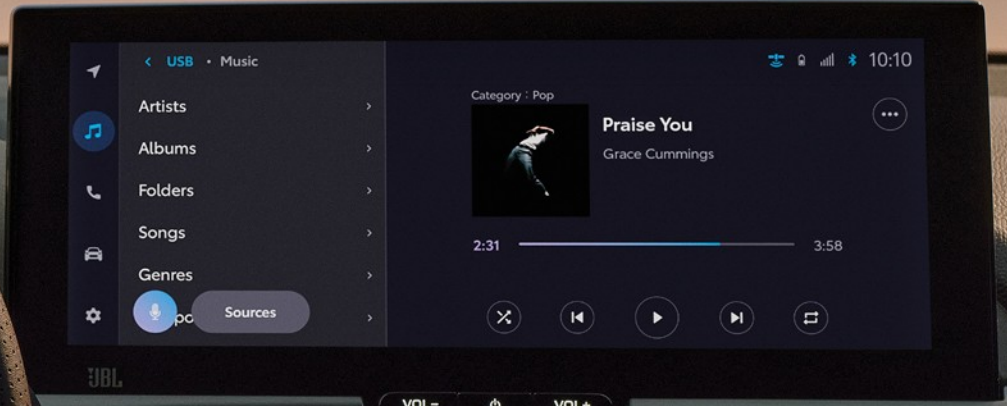




TOYOTA C-HR HYBRID

NAVİGASYON* VE MULTİMEDYA

KULLANICI EL KİTABI

*Görseller ve donanımlar Türkiye'de sunulan versiyonlardan farklılık gösterebilir.

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Tüm hakları saklıdır. Toyota Türkiye Pazarlama ve Satış A.Ş.'nin izni olmaksızın bu kitabın tamamı veya bir kısmı tekrar yazılamaz ve kopya edilemez.

Bu kitap.. Toyota Türkiye Pazarlama ve Satış A.Ş. bünyesinde EĞİTİM MÜDÜRLÜĞÜ tarafından yayımlanmıştır.

Yayın No. OM9AP35T

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For your information

Multimedia owner's manual

- This manual describes the operation of the multimedia system. Please read this manual and the vehicle "Owner's manual" carefully to ensure proper use.
- Please be aware that the content of this manual may be different from the system in some cases, such as due to software updates and changes to specifications.
- This manual contains information related to system software Ver.2300 and earlier. For the latest information, refer to the following URL. Before using this system, be sure to read the information relating to the latest software version. For details of the current software version, see "[Updating and checking the software information](#)" (→ P.75).

Depending on the country or area, the software update service may not be available.

► TOYOTA C-HR

Language	URL	QR code
English	https://www.toyota-europe.com/manual?parameter=om9ap35e.c-hr.2609.hev.mm	
French	https://www.toyota-europe.com/manual?parameter=om10761k.c-hr.2609.hev.mm	
Spanish	https://www.toyota-europe.com/manual?parameter=om9ap36s.c-hr.2609.hev.mm	

► TOYOTA C-HR PHEV

Language	URL	QR code
English	https://www.toyota-europe.com/manual?parameter=om9ap35e.c-hr.2609.phev.mm	

Language	URL	QR code
French	https://www.toyota-europe.com/manual?parameter=om10761k.c-hr.2609.phev.mm	
Spanish	https://www.toyota-europe.com/manual?parameter=om9ap36s.c-hr.2609.phev.mm	

- The screens shown in this manual may differ from the actual screen of the system depending on availability of functions, subscription status, and map data available at the time this manual was produced.
- The company names and products listed in this manual are trademarks and/or registered trademarks of their respective companies.

Disclaimer about data compensation

This system saves data onto the internal memory. Data saved in the memory may become corrupted or lost due to system failure, repair, malfunction, bugs, or other causes.

Please note that Toyota Motor Corporation takes no responsibility whatsoever for direct and/or indirect damage, and offers no compensation for data if the data that was saved in the internal memory could not be saved properly.

Removal of the 12-volt battery

When the power switch is turned off, all data is saved in the system. If the 12-volt battery terminal is removed before the data is saved, the data may not be saved correctly.

Safety instructions

To use this system in the safest possible manner, follow all the safety tips shown below.

This system is intended to assist in reaching the destination and, if used properly, can do so. The driver is solely responsible for the safe operation of the vehicle and the safety of your passengers. Do not use any feature of this system to the extent it becomes a distraction and prevents safe driving. The first priority while driving should always be the safe operation of the vehicle. While driving, be sure to observe all traffic regulations. If a traffic sign on the road has been changed, route guidance may not have the updated information such as the direction of a one way street.

While driving, listen to the voice instructions as much as possible and glance at the screen briefly and only when it is safe. However, do not totally rely on voice guidance. Use it just for reference. If the system cannot determine the current position correctly, there is a possibility of incorrect or delayed guidance, or no voice guidance at all.

The data in the system may occasionally be incomplete. Road conditions, including driving restrictions (no left turns, street closures, etc.) frequently change. Therefore, before following any instructions from the system, look to see whether the instruction can be done safely and legally.

This system cannot warn about such things as the safety of an area, condition of streets, and availability of emergency services. If unsure about the safety of an area, do not drive into it. Under no circumstances is this system a substitute for the driver's personal judgement.

WARNING

- For safety, the driver should not operate the system while he/she is driving. Insufficient attention to the road and traffic may cause an accident.
- While driving, be sure to obey the traffic regulations and maintain awareness of the road conditions.

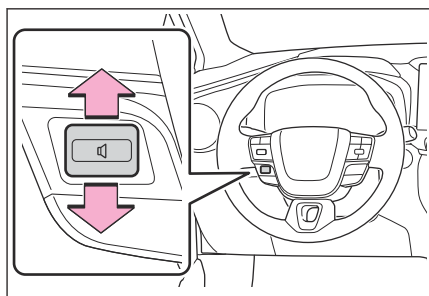
Reading this manual

Explains symbols used in this manual.

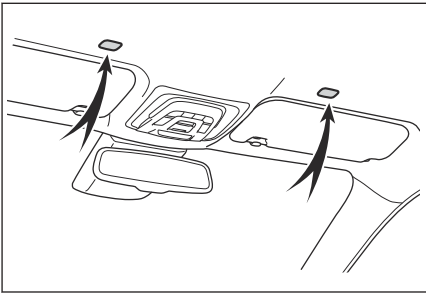
Symbols in this manual

Symbols	Meanings
	WARNING : Explains something that, if not obeyed, could cause death or serious injury to people.
	NOTICE : Explains something that, if not obeyed, could cause damage to or a malfunction in the vehicle or its equipment.
1 2 3 ...	Indicates operating or working procedures.
	INFORMATION : Explains something other than descriptions about operation methods and functions that you should know and are useful to know.

Symbols in illustrations



Symbols	Meanings
	Indicates the action (pushing, turning, etc.) used to operate buttons and other devices.

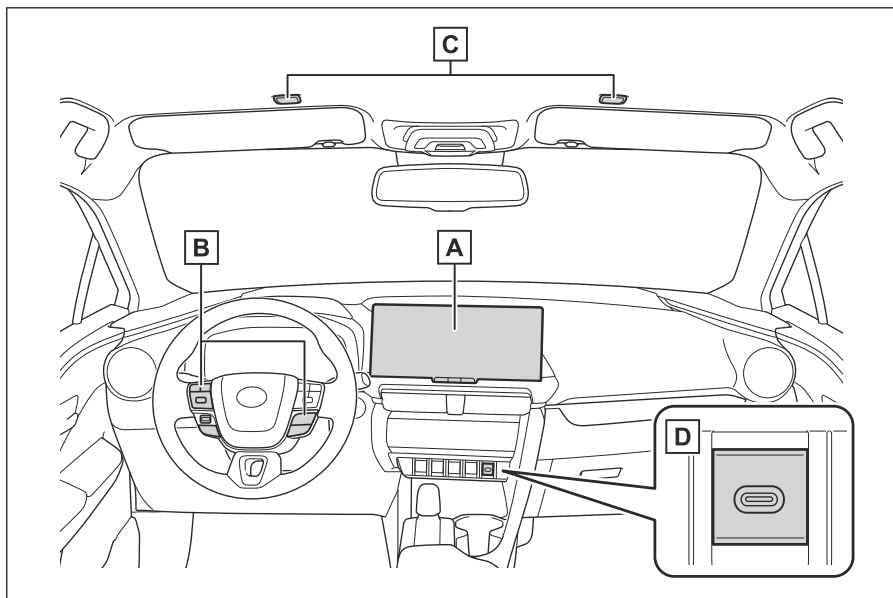


Symbols	Meanings
	Indicates the component or place being explained.

Pictorial index

Instrument panel

The below illustration is for a left-hand drive vehicle.



- A DisplayP.14**
- B Steering switches**
 - Controlling audioP.36
 - Operating the system with voice controlP.41
 - Making a phone callP.218
- C MicrophonesP.40,212**
- D USB Type-C portP.38**

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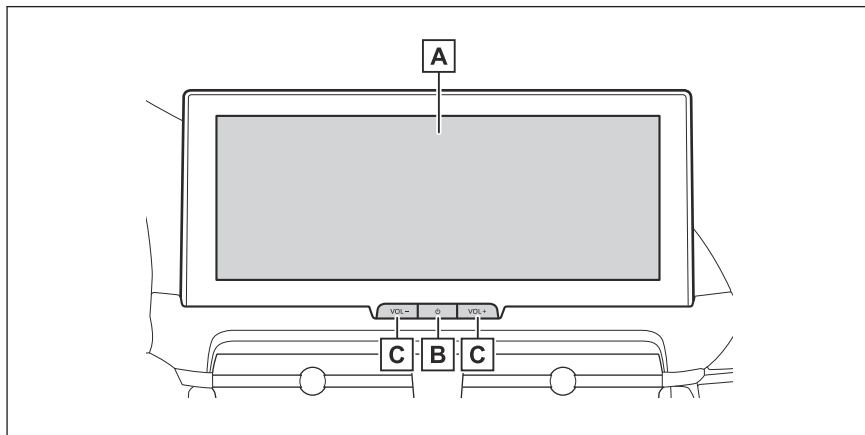
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Display and control

► 12.3-inch display



A Display

Operate the touch screen by directly touching it.

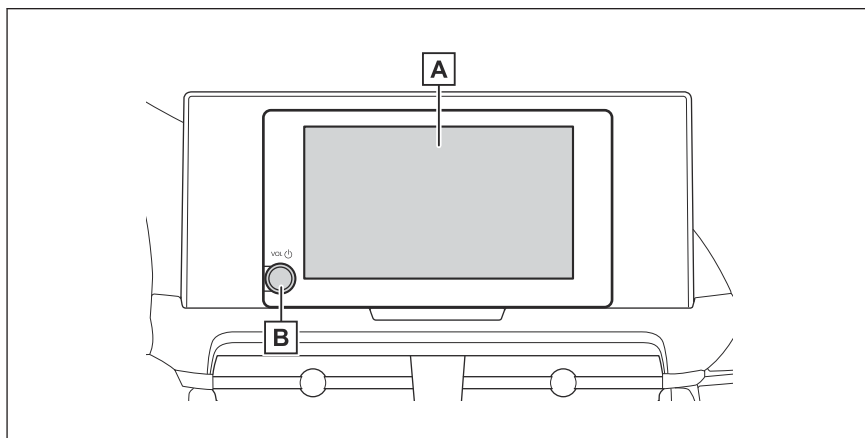
B [] switch

Turn the audio on and off.(→ P.34)

C [VOL] switches

Adjust the audio volume.

► 8-inch display



A Display

Operate the touch screen by directly touching it.

B [VOL] knob

Turn the audio on/off and adjust the volume.(→ P.34)



INFORMATION

- The illustration is for left-hand drive vehicles. The button positions and shapes differ for right-hand drive vehicles.
- The LCD screen may appear washed out or dark depending on the surrounding environment or angle it is viewed.
- The screen may be difficult to see if sunlight or other external light hits the screen.
- The screen may appear dark or hard to see if you wear polarized sunglasses.



WARNING

For safety, the driver should operate the display as little as possible while driving and should stop the vehicle to operate the display. Operating the display while driving is dangerous such as mistakenly turning the steering wheel or other unforeseen accidents. Additionally, look at the display only as necessary and as briefly as possible when driving the vehicle.



NOTICE

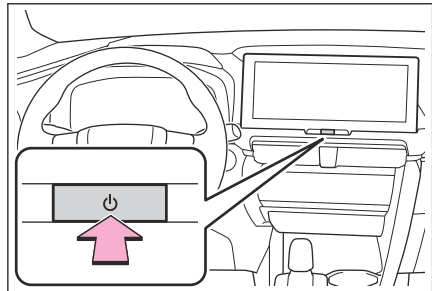
Do not use the multimedia system for long periods of time with the hybrid system turned off. Doing so may deplete the 12-volt battery.

Restarting the system

When the system response is extremely slow, you can restart the system.

Press and hold the [] switch for at least 3 seconds.

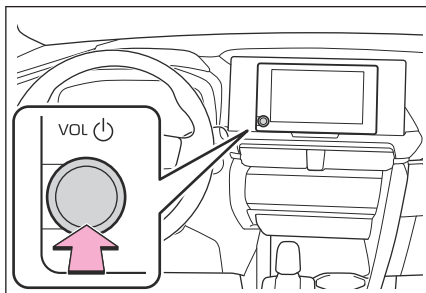
► 12.3-inch display



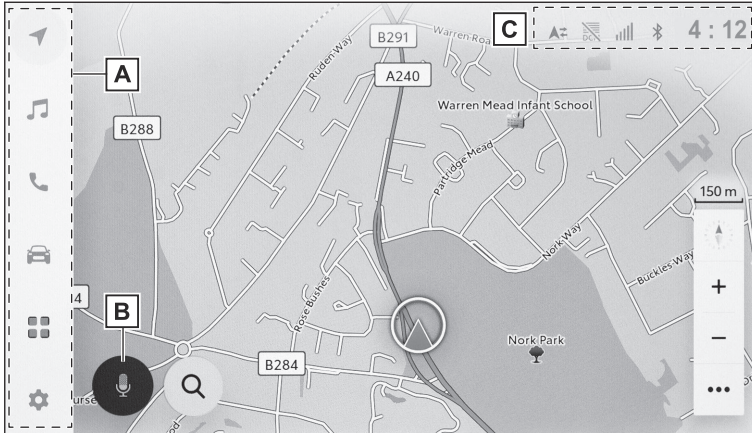
1-1. Basic operation of multimedia system

Press and hold the [VOL ] knob for at least 3 seconds.

► 8-inch display



Multimedia screen overview



A Main menu

Changes the function to be displayed on the screen when an icon is touched.

B Microphone button

Displays the voice control screen enabling verbal operation of the navigation, audio and various other functions.

C Status icons

The clock and icons with information about communication statuses, etc. are displayed at the top of the screen.

Related Links

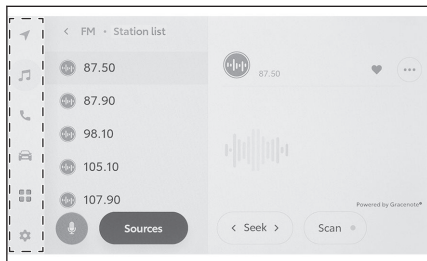
[Main menu\(P. 18\)](#)

[Status icons\(P. 20\)](#)

[Starting voice control\(P. 41\)](#)

Main menu

The function to be displayed on the screen can be changed by touching an icon.



: Apple CarPlay®

Displays the Apple CarPlay screen.(→ P.128, 131)



: Android Auto™

Displays the Android Auto screen.(→ P.134, 137)



: Navigation

Displays the map screen. The navigation system can be operated to search for a destination or perform other navigation system-related tasks.
(→ P.28, 145)



: Audio

Displays the audio control screen. The desired source can be selected to play audio.(→ P.34, 179)



: Phone

Displays the phone screen. A cellular phone connected via Bluetooth® can be used to make hands-free phone calls.(→ P.209)



: Vehicle information*1

Displays the vehicle information screen. Vehicle information such as fuel consumption displays and settings of vehicle equipment can be done.



: Connected

Displays the apps screen.

*1 : Refer to the vehicle "Owner's manual".

This function is not available in some countries. For details (service available countries list, operation, setup, etc.), contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.



: Settings

Displays the settings screen. Multimedia system and vehicle settings can be changed.(→ [P.56](#))

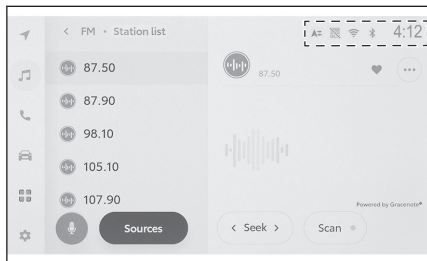


INFORMATION

The Apple CarPlay/Android Auto icons are displayed when a supported device connects to the system and the applicable function is enabled.

Status icons

The time and icons with information about communication statuses are displayed at the top of the screen.



4:12

Displays the current time. Touching the clock displays the date and time settings screen.



Displays the connection status of the cellular phone connected via Bluetooth®. Touching the icon displays the Bluetooth® settings screen.



Displays the reception level of the connected cellular phone.



Displays the remaining battery charge of the connected cellular phone.



Displays the status of sharing data with the Toyota Center Server.



is displayed when data sharing with the Toyota Center Server is disabled.



Displays the reception status of the Data Communication Module (DCM).*



Displays the Wi-Fi® reception level.



Displayed when the Toyota parking assist-sensor is active.*



Displayed when a hands-free call was made while a screen other than the phone screen was being displayed.

* : If equipped



Displayed when the internet radio is playing.*¹



Displayed when a wireless charger is installed in the vehicle.*



Displays the status of the Excess speed notification method in Road Sign Assist (RSA). Touching the icon changes the notification buzzer on/off for excess speed notification.*¹



INFORMATION

- The displayed remaining battery charge for the cellular phone may not match the display on the cellular phone. Additionally, the remaining battery charge may not be able to be displayed depending on the phone model.
- You may not be able to use Wi-Fi® if the reception level is poor.
- If you use your cellular phone in places or situations like the following, you may not be able to connect via Bluetooth®:
 - The cellular phone is behind or under a seat, or inside the glove box or console box
 - The cellular phone is touching or covered with metallic materials
- If the cellular phone is set to power saving mode, the Bluetooth® connection may automatically be disconnected. If that happens, disable power saving mode on the cellular phone.

Related Links

[Changing general multimedia system settings\(P. 64\)](#)

[Setting Bluetooth® devices\(P. 100\)](#)

*¹ : This function is not available in some countries or areas.

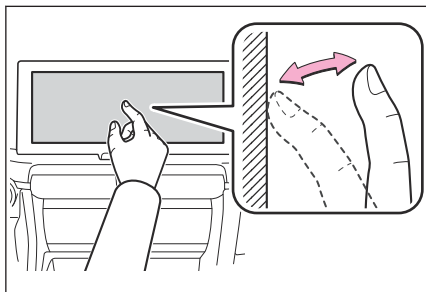
* : If equipped

Operating the touch screen

Operate the touch screen by directly touching it with a finger.

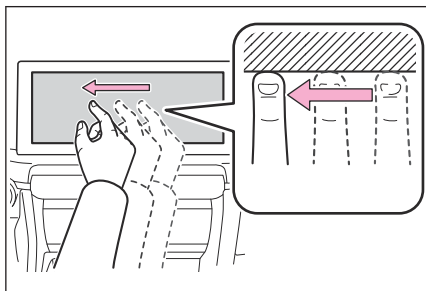
■ Touch

Gently touch the screen. You can select items on the screen.



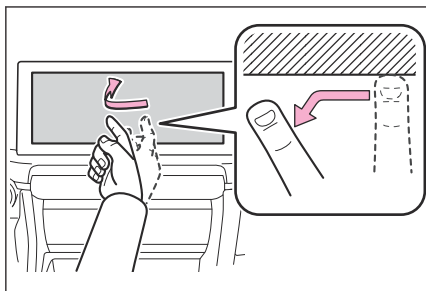
■ Drag

Move your finger while it is touching the screen. The list and map screens can be scrolled to the amount that the finger is moved.



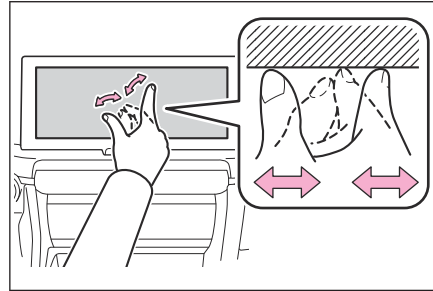
■ Flick

Quickly swipe your fingertip that touches the screen. The list and map screens are scrolled by larger amount than scrolls by dragging.



■ Pinch in/pinch out

Move two fingers in and out while touching the screen. You can zoom in and out on maps.



INFORMATION

- In order to operate some functions, it may be necessary to touch and hold or double tap (touch 2 times quickly) the screen.
- The sensitivity level when touching the screen can be changed.
- Response sound when the screen button is touched can be turned on/off.
- Flick operations may not work smoothly in high altitude areas.
- Operation of the screen is restricted while driving.

— Related Links —

[Changing general multimedia system settings\(P. 64\)](#)

Notes for operating the touch screen

INFORMATION

- If there is no response from the buttons on the screen, take your finger off the screen and try again.
- In the following situations, the screen buttons may not respond or malfunction:
 - If a glove is worn
 - If the screen is operated with a fingernail
 - If the screen is being touched with another finger or palm at the same time
 - Dirt or water is on the screen
 - If a plastic film or coating is on the screen
 - If the vehicle is near a TV tower, power plant, filling station, broadcast station, large display, airport, or any other place from which strong radio waves or noise emanates
 - When you are carrying or charging a portable wireless communication device, such as a radio or cellular phone, in the vehicle

1-1. Basic operation of multimedia system

- If the screen is touched or covered with a metallic object like one of the following, the screen buttons may not respond or malfunction:
 - A card covered in metal such as aluminum foil
 - A cigarette case that uses aluminum foil
 - A wallet, purse, or bag with metallic parts
 - Coins
 - Media, such as CDs and DVDs, a USB cable, etc.
- If the system is started with a finger touching the screen, the screen buttons may not respond. Remove any fingers off the screen and try again. If the buttons are still not responding, turn off the power switch and restart the system.
- The Apple CarPlay map application does not support the pinch in/pinch out feature.

NOTICE

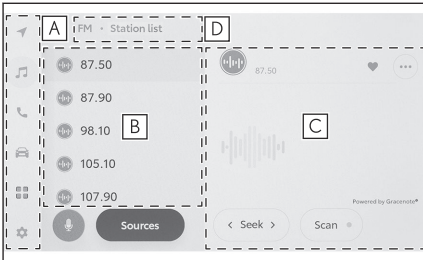
- To protect the screen, gently touch the screen with your finger when operating it.
- Do not operate the touch screen with anything other than your finger.
- Gently clean the screen with a glasses cleaning cloth or similar soft cloth. Touching the screen forcibly with your finger or a hard cloth may scratch the surface of the screen.
- Do not use benzine or an alkaline solution to clean the screen. Doing so may damage the screen.
- Under certain conditions, the screen may feel slightly hot. Be careful as if it is touched for a long time, it may cause slight burns.

Basic screen function

1

Basic operation

A list screen will be displayed if there are multiple candidates such as settings and audio. Scroll the list to select the desired item.



A Main menu

Changes the function to be displayed on the screen by touching an icon.

B Submenu

Displays items on a list. Scrolling the list can be done by dragging or flicking the screen.

C Main area

Displays detailed information about the item you selected on the submenu.

D Breadcrumb list

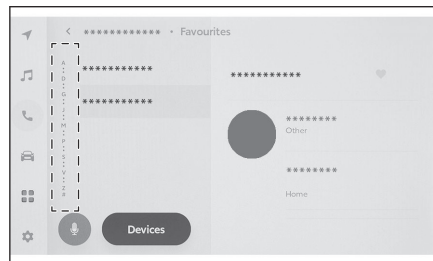
Displays screen titles in a hierarchy. Touching [<] returns to the hierarchy one level up.

INFORMATION

Operation of the screen is restricted while driving.

■ Searching a list

Touching text in an index displays the desired item from the list.



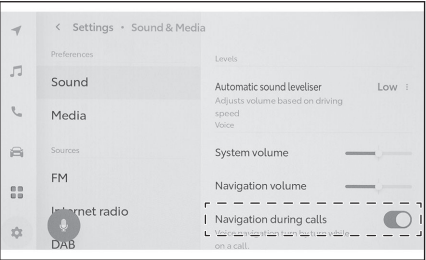
1-1. Basic operation of multimedia system

■ Turning the settings on or off

Touching an item turns the setting on or off.

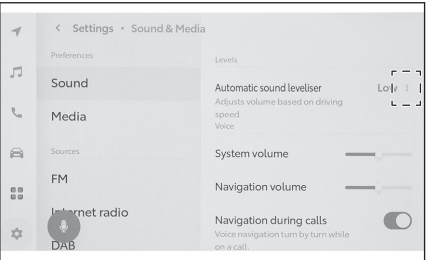
 : On

 : Off



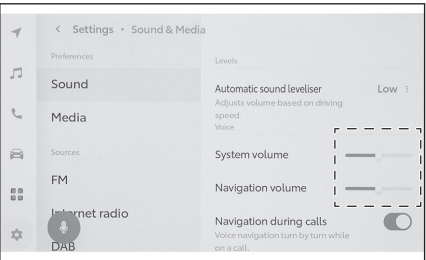
■ Multiple setting options

Touching an item that has [⋮] to it enables you to select an item from multiple options.



■ Adjusting the level

Dragging the slider enables the level of the setting to be adjusted.



Related Links

[Main menu\(P. 18\)](#)

Entering letters and numbers

Letters and numbers can be entered by using the keyboard. Entering letters displays predictive text.

► Screen example



 : Closes the keyboard and returns to the previous screen.

 : Displays suggested text based on current text input.

 : Deletes one character.

 : Switches the keyboard.

 : Toggles between uppercase and lowercase.

[Go] : Perform search based on input text.

 : Closes the keyboard.

123 : Changes to the numbers and symbols input mode.

ABC : Changes to the alphabet text input mode.

 : Changes to the handwriting input screen.

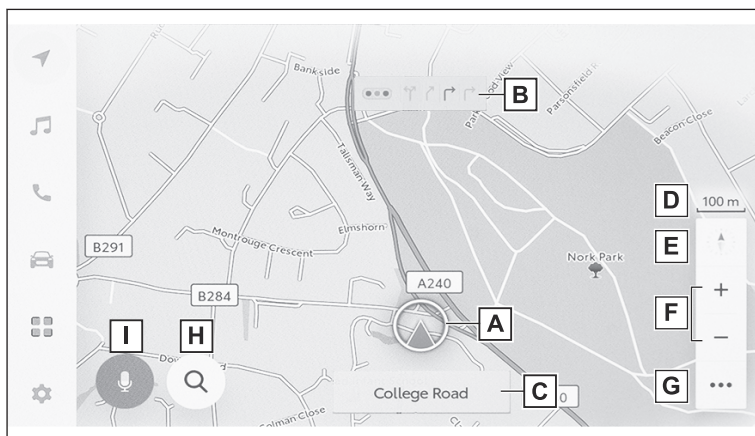
INFORMATION

- The displayed keyboard type differs depending on the feature.
- Touch and hold  to directly select the keyboard type.
- Double tap  to fix the letters to uppercase for input.

Map screen

Information displayed on the map screen and its purpose is as follows.

Touch [] from the main menu.



A Current position mark

Displays current position and orientation of the vehicle.

B Lane information display

Displays the through and turning lanes at an intersection/junction. (Only available for intersections/junctions with information in the map data)

During route guidance, the suggested lane to drive in will be displayed in high-light.

C Name display

Displays the name of the roads being driven on. (Only available for points with information in the map data)

D Scale display

Displays the scale of the displayed map.

E Orientation mark

Displays the orientation of the map. Touch to change the orientation of the map.

F Zoom in/out button

Zooms the map screen in/out.

G Display setting button

Displays the display setting screen and allows for changing of the nearby POI display settings, etc.

H Destination button

Displays the destination search screen.

I Microphone button

Displays the voice control screen.

Related Links

[Displaying the vehicle's current position\(P. 30\)](#)

[Changing the orientation of the map\(P. 32\)](#)

[Map display settings\(P. 153\)](#)

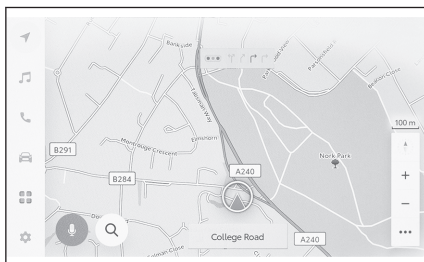
[Searching for a destination\(P. 158\)](#)

[Operating the system with voice control\(P. 39\)](#)

Displaying the vehicle's current position

The current position of the vehicle is displayed by the current position mark [].

When the map screen has been scrolled, touch [] or [] from the main menu, to return the map to the vehicle's current position.



INFORMATION

- When the vehicle is new, or a cable has been disconnected and reconnected to a 12-volt battery terminal, the actual current position of the vehicle and the position [] displayed by the current position mark [] may differ. However, after driving for a while, through map matching and received GPS information, the displayed current position [] will be corrected automatically. (Depending on the situation, it may take several minutes.) If GPS information is not received and the current position is not corrected automatically, stop the vehicle in a safe location and correct the current position manually.
- The shape of the current position mark [] differs depending on the map color.

— Related Links —

[Map display customization settings\(P. 80\)](#)

[Position/Direction calibration\(P. 91\)](#)

Changing the scale of the map

The map screen can be zoomed in/out.

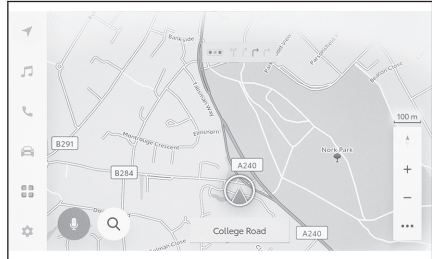
Touch [+] or [-] on the map screen.

- The scale can also be changed using double tap or pinch in/pinch out operations on the screen.

Double tap zoom in : Touch the screen quickly 2 times

Zoom out tap : Touch the screen with two fingers

- Touch and hold [+]/[-] to steplessly change the map scale.



City map

When the map is fully zoomed, a city map can be displayed.

With the map scale display at 50m (150 ft.), touch [+].

To cancel the city map, touch [-] or pinch in on the screen.

INFORMATION

- If the current area is not included in the map data, the city map will not be displayed.
- If the vehicle moves to or the map is scrolled to an area where the city map is not available, the city map will be canceled automatically.

Changing the orientation of the map

The orientation of the map can be fixed or changed to match the vehicle heading. Change the orientation as desired.

Each time [] on the map screen is touched, the orientation of the map screen will change between north up, heading up, and 3D display.

- North up display []

The map is always displayed with north up, regardless of the direction travel of the vehicle.

- Heading up display []

The map is always displayed with the direction of travel of the vehicle always up.

- 3D map []

Displays a 3D map. When 3D map is selected, the map is displayed with the direction of travel of the vehicle always up.

INFORMATION

- The display angle of the 3D map can be adjusted.
- When the orientation of the map is heading up or 3D map, if the map is changed to any screen other than the current position screen (destination setting map screen, full route map screen, etc.), the orientation will change to north up. However, it will return to heading up or 3D map when the current position screen is displayed.

Related Links

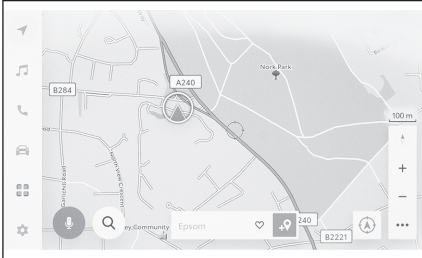
[Display angle setting\(P. 80\)](#)

Moving the map

The map can be moved and a touched point can be set as the center of the map screen.

Touch a point on the map.

- The center of the map screen will be moved to the touched point.



- If information is available for a POI, it will be displayed when touched.
- By touching [] after scrolling the map to any point, the point can be set as a new destination or waypoint.
- By touching [] after scrolling the map to any point, the point can be set as a favorite.
- Touch [] or [] to return to the vehicle's current position.

INFORMATION

The map can be scrolled by touching and dragging or flicking the screen.

— Related Links —

[Operating the touch screen\(P. 22\)](#)

[Changing the orientation of the map\(P. 32\)](#)

[Displaying information for a point\(P. 149\)](#)

Audio system ON/OFF and volume adjustment

The audio can be turned off when not in use, or the volume can be adjusted to an appropriate level.

The system can be used when the power switch is in ACC*¹ or ON.

INFORMATION

■ When ACC customization is in off

With the power switch turned off, the multimedia system can still be used for a certain time until the battery-saving function starts operating. To turn off the multimedia system, perform either of the following actions:

- Press [] switch ([VOL ] knob).
- Open the driver's door.

NOTICE

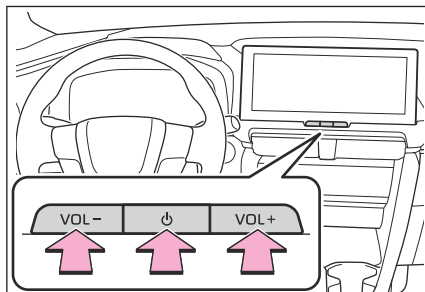
- Do not use the multimedia system for extended periods when the hybrid system is not running. Doing so may deplete the 12-volt battery.
- Listen to the audio at an appropriate volume that will not interfere with safe driving.

■ Operating with the audio control switches

Press [] switch to turn the audio on and off.

Press [VOL] switches to adjust the audio volume.

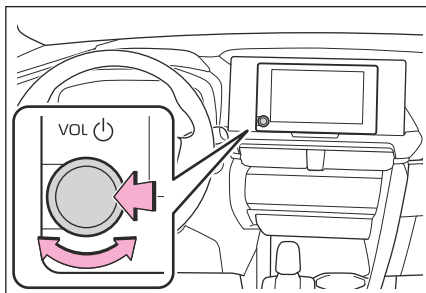
► 12.3-inch display



*1 : ACC mode can be enabled/disabled on the customize menu. For details, refer to the vehicle "Owner's manual".

Press [VOL ] knob to turn the audio on and off. Turn the knob to adjust the volume.

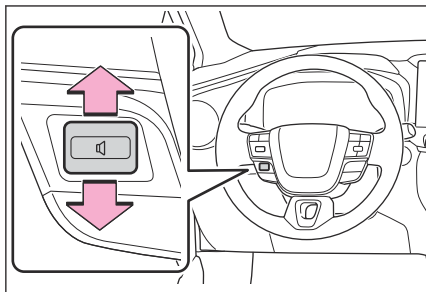
► 8-inch display



■ Operating with the steering switches

[] switch

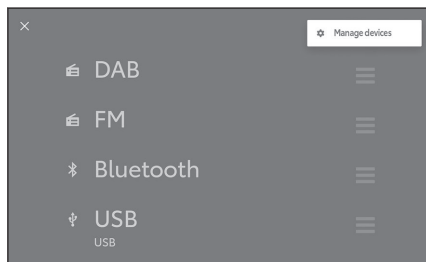
Adjust the audio volume. Press and hold to adjust the audio volume continuously.



Changing the audio source

Source can be changed to radio, USB, etc.

- 1 Touch [] from the main menu.
- 2 Touch [Sources].
- 3 Touch the source you wish to select.



INFORMATION

- If a cellular phone is used inside the vehicle or nearby while listening to audio, noise may be output from the audio speakers.
- The following functions cannot be used depending on the connection method for Apple CarPlay.
 - iPod
 - USB audio or USB video
 - Bluetooth® audio
 - Miracast®
 - Android Auto
- The following functions are not available while connected to Android Auto.
 - iPod
 - USB audio or USB video
 - Apple CarPlay

Changing the source with the steering switch

Changing the source with the steering switch is possible.

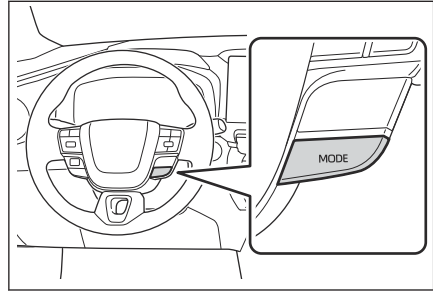
[MODE] switch

The sources will switch in order.

Press and hold to pause or mute.

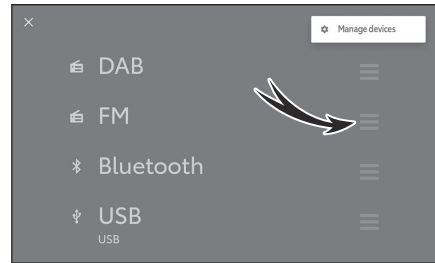
Press and hold again to cancel.

If you change the button layout on the source selection screen, the switching order will also change.

**Changing the list layout on the source selection screen**

The list layout can be changed as desired to make it easier to operate.

- **Change the list layout by dragging [☰] on the right side of the source to be relocated.**

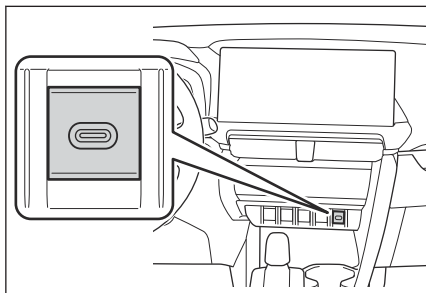


Connecting a device via the USB Type-C port

Connect a device such as smartphone or portable player.

● Connect the USB Type-C cable to the port.

When connecting a USB flash drive, connect it directly to the USB Type-C port.



INFORMATION

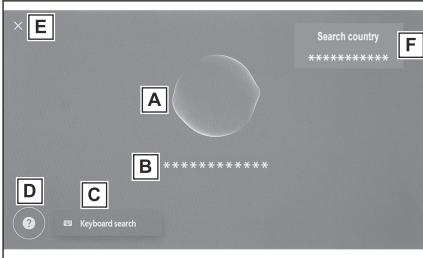
- When a USB hub is used to connect multiple devices, devices other than the first device to be recognized cannot be used.
- Refer to the instruction manual of the USB Type-C cable and the device to be connected.
- Use a power source such as the battery supplied with the connected device. Using the accessory socket installed in the vehicle may cause noise output. For details about the accessory socket, refer to the vehicle "Owner's manual".

NOTICE

- Do not push down on or subject the connected device to unnecessary pressure. The device or its terminal may be damaged.
- Keep the port free of foreign matter. The device or its port may be damaged.

Operating the system with voice control^{*1}

Using the voice control system enables the operation of the navigation system, audio, hands-free phone calls, and many other features with voice commands. When using the Toyota Link^{*1}, information that takes advantage of content on the cloud server can be searched.



A Displays voice recognition status.



/ : Waiting for speech



: Listening



: Processing voice recognition

B Displays the response of the system and recognition results as text.

C Displays the keyboard screen.

Enables you to search for various information using a keyboard.

D Displays examples of voice commands in a list.

You can check examples of speech frequently used in voice commands by feature.

E Closes the voice control screen.

F Displays a country name where POI or address is searched.^{*1}

INFORMATION

- The connection status of Toyota Link^{*1} may be displayed on the screen.
[No online service] : No valid online service contract or a language was selected in which online services are not available.
[No internet connection] : Not connected to the internet.
- The voice recognition screen will be displayed as a banner while driving.

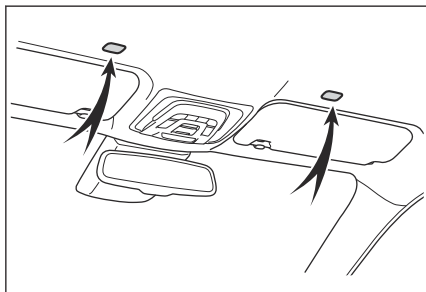
^{*1} : This function is not available in some countries or areas.

Related Links

[Searching for information using the keyboard\(P. 47\)](#)

Microphones

Microphones are installed on the driver's side and the passenger's side, respectively.



INFORMATION

- Voice controls can be done from the driver seat or passenger seat by activating the voice control system with wake word. In this case, voice commands from seats other than the system activating seats are not recognized.
- Some functions are not available for voice control from passenger seat.

Supported languages

This function is compatible with the following languages:

■ Europe

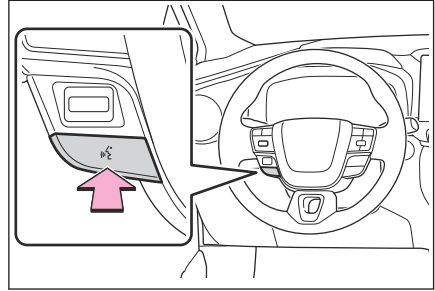
- Local voice recognition support : English, German, French, Spanish, Italian, Russian, Dutch, Portuguese, Polish, Flemish, Swedish, Turkish, Czech, Norwegian, Danish, Finnish, Greek, Slovak, Hungarian
- Cloud voice recognition support : English, German, French, Spanish, Italian, Russian, Dutch, Portuguese, Polish, Flemish, Swedish, Turkish, Czech, Norwegian, Danish

Starting voice control*1

Voice control can be started by any of the following operations:

■ Press the talk switch

Press [] switch (talk switch) on the steering wheel.

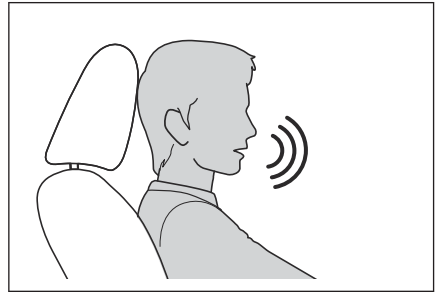


■ Say the wake word

Say "Hey Toyota".

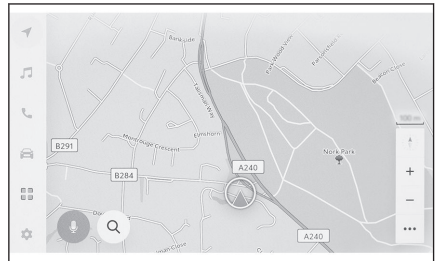
- The wake word can be changed on the settings screen.
- The wake word can be used and then immediately issue a voice command.

Example : "Hey Toyota", "Go to near-by coffee shop"



■ Touch the microphone button

Touch [] on the screen.



INFORMATION

- If the voice control system was activated by the [] switch on the steering wheel or microphone button, voice controls from the driver seat can be done.
- The voice control system may not recognize commands if they are not said clearly. Take note of the following points when using it:

*1 : This function is not available in some countries or areas.

1-4. Voice control system

- Speak in a clear voice.
- Close the window as commands may not be recognized properly due to noise (wind noise or external noise).
- If the air conditioner blows loudly, commands may not be recognized properly, so reduce the air volume.
- If music is being played loudly while a command is issued, that command may not be recognized, so lower the music volume.
- Commands may not be recognized if several people speak at once.
- You can interrupt the voice prompt by saying a voice command.
- You can turn voice prompt on or off on the voice control settings screen.
- You can adjust the system voice volume on the sound and media settings screen.

Related Links

[Changing the voice control settings\(P. 69\)](#)

[Changing sound and media settings\(P. 92\)](#)

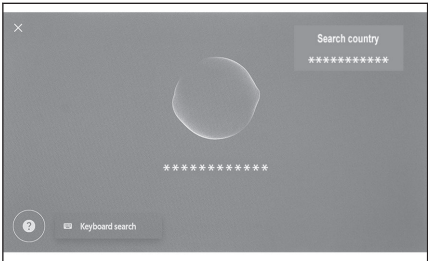
Stopping voice control

Voice control can end with one of the following operations:

- Say **"Cancel"**.
- Touch  on the voice control screen.
- Press and hold  switch on the steering.

Speaking a voice command*1

Say a voice command when the voice control screen appears. The system can recognize natural speech.



INFORMATION

- Commands may not be recognized if said with an accent or non-standard phrasing.
- If the voice control system does not recognize aliases or abbreviations when searching for place names and facilities, say the official name.
- Speaking by including what you want to do, makes it easier for the voice control system to recognize your command. For example, when searching for a destination by name, do not say only the name. Instead, say a phrase which includes a name and a verb, such as "Go to nearby coffee shop".

List of features

This is a list of the main features that can be operated verbally and example voice commands.

The available features differ depending on the vehicle and equipped system.

Common commands

Action	Example voice command
Start from the beginning	"Start over"
Stop voice control	"Cancel"
Open hints for voice commands	"Help"
Return to the previous screen	"Go back"
Select a list number	"Number one"
Change the list page	"Next page" "Previous page"

*1 : This function is not available in some countries or areas.

1-4. Voice control system

■ Destination search^{*1}

The destination can be set using the locations address, facility name or category.

Action	Example voice command
Search for a facility	"Find a <POI category/POI name>" "Go to nearby coffee shop"
Search for an address	"Get directions to <address>"
Return to your home	"Take me home"

■ Navigation operation^{*1}

The map can be operated and destination can be deleted.

Action	Example voice command
Change the map type	"Change map to 3D"
Changing the map scale	"Zoom in" "Zoom out"
Display the map screen	"Show map"
Check the route information	"What's my ETA?"
Delete the destination	"Delete destination"
Displays the destination history	"Show recent destinations"

■ Audio operation

Audio operations, such as radio, USB memory, Bluetooth® audio, can be performed.

Artist names, album names, song names which are registered to the media can be specified.

Radio station names can also be specified.

Action	Example voice command
Adjust the volume	"Volume up" "Volume down"
Mute the volume	"Mute audio"
Play next/previous song	"Next song" "Previous song"
Specify a song to play ^{*2}	"Play <artist>" "Play <album>" "Play <song>"
Select a radio station ^{*3}	"Tune to <FM frequency>" "Tune to <FM station name>"

^{*1} : If equipped

^{*2} : You can play music stored on a device connected via USB.

^{*3} : This function is not available in some countries or areas.

Action	Example voice command
Change the audio source	"Change to <audio source>"

■ Hands-free phone operation

Phone calls can be made with a Bluetooth® cellular phone connected to the vehicle.

The name and phone type, which are registered in the contacts, can be specified and from there the phone number can be called.

Action	Example voice command
Make a phone call to a contact in your phone book*1	"Call <contacts>"
Make a phone call to a phone number*1	"Call <phone number>"
Display the call history*1	"Show recent calls"
Send a message*1*2	"Send message to <contact name>"
Read out a message*1	"Read message"
Display the Bluetooth® connection screen	"Show Bluetooth Settings"

■ Information search service*3*4

Using online service and searching information can be done.

Action	Example voice command
Check the weather information	"Tell me the weather today"

■ Climate control

Air conditioner temperature and fan speed can be operated.

Action	Example voice command
Turn the air conditioning on or off	"Turn on the air conditioner" "Turn off the air conditioner"
Adjust the air conditioner temperature	"Turn up the temperature" "Turn down the temperature" "Set the temperature to 25 degrees"
Adjust the air conditioner fan speed	"Turn the fan speed up" "Turn the fan speed down" "Set the fan speed to 3"

*1 : Voice commands from the passenger's seat are not recognized.

*2 : The new message function is available only for SMS. The reply to message function is available for SMS and MMS.

*3 : If equipped

*4 : Toyota Link contract is required.

1-4. Voice control system

■ Vehicle device control*1*2

Vehicle functions such opening and closing the windows can be operated.

Action	Example voice command
Open or close the window	"Open all windows" "Close all windows" "Open driver side window" "Close driver side window"
Turn on the front windshield wiper	"Turn on the front wiper"
Operate the room light	"Turn all the lights on"
Change the illumination color	"Set the illumination to red"
Display the odometer	"Show odometer"
Display Trip Meter A	"Show Trip A"
Display the camera view*3	"Show side camera view" "Show wide front camera" "Show moving camera"
Change the camera view*3	"Change camera view"

■ Vehicle information

Information, such as fuel consumption and cruising range can be checked.

Action	Example voice command
Check the fuel economy	"What's my fuel consumption?"
Check the cruising range	"What's my cruising range?"
Check the average speed	"What's my average speed?"

■ Verbal response to displayed notifications

Verbal responses can be made to incoming phone calls and receiving messages. Settings related to verbal responses can be changed on the voice settings screen.

Related Links

[Changing the voice control settings\(P. 69\)](#)

*1 : Voice commands from the passenger's seat are not recognized.

*2 : Toyota Link contract is required.

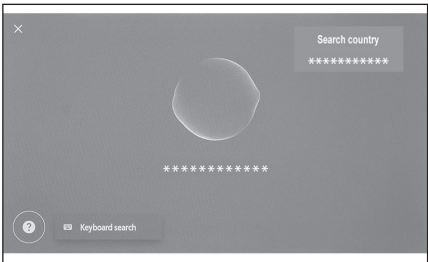
*3 : If equipped

Searching for information using the keyboard

Various information can be searched by using the keyboard.

1 Touch **Keyboard search**.

If search history exists, the history screen will appear, enabling you to select from the history.



2 **Select the category that you want to search.**

[Navigation] : Enter an address, facility name, phone number, area, road name, intersection, etc.

[Media] : Enter an album, artist, song name, playlist, genre, radio station, etc.

[Phone] : Enter a name, phone number, or something else registered in the phone book.

[Vehicle] : Enter a vehicle information that you want to display.

[Settings] : Enter the setting that you want to configure, such as audio, phone, and navigation.



3 **Enter the search keyword and touch [Go].**



4 **When the list of search results is displayed, touch the desired item.**

 **INFORMATION**

- Operation of the screen is restricted while the vehicle is moving.
- Search is not available when you are connected to Apple CarPlay/Android Auto.

2-1. Multimedia system initial set-up

Registering a user profile **50**

2-2. Various settings

Changing the various settings **56**

2-3. Driver settings

Changing and registering a user profile **58**

Setting up how to identify a driver **61**

2-4. General settings

Changing general multimedia system settings **64**

2-5. Screen settings

Changing the screen display settings **67**

2-6. Voice control settings

Changing the voice control settings **69**

2-7. Vehicle settings

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2-8. Navigation Settings

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2-9. Sound and media settings

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Adjusting the sound of each source **97**

2-10. Wi-Fi® Settings

Changing Wi-Fi® settings **98**

2-11. Bluetooth® Settings

Setting Bluetooth® devices **100**

Registering a user profile*1

For the initial setup of the multimedia system, register a driver and enable the user profiles.

By using user profiles, various vehicle and multimedia settings can be saved in "My settings" for each driver. When the vehicle is used by multiple drivers, such as family and friends, the vehicle can be used without changing the settings of other drivers.

The vehicle can be driven in guest mode if it is desired to not use a user profile.

User profiles

Multimedia settings and other vehicle settings for each driver can be saved and the applicable driver can load them before driving the vehicle.

- Up to three user profiles can be registered.
- The following setting information can be saved in a profile:
 - Some multimedia settings : Volume, navigation, audio, etc. (These settings are saved in the cloud.)
 - Some vehicle settings : Air conditioning, meters, etc. (These settings are saved in the vehicle only and not in the cloud.)
- Settings are automatically saved to the current profile when they are changed.
- Search history, individual settings, and other private information can be protected by setting up a profile.
- By registering a device that identifies the driver, such as a smartphone and smart key, the profile is automatically loaded when getting in the vehicle.

■ Linking to a Toyota account*1

- An active Toyota account is required to use a profile.
- If your Toyota account is linked to the Toyota app, your profile can be downloaded from the cloud when driving any vehicle which has a valid Toyota account service contract and equipped with the same model of multimedia system.
- Registered profiles can be reviewed and changed on the Toyota app.
- The driver who is registered as the owner can delete all drivers registered in the vehicle. Drivers who are not the vehicle owner cannot delete the owner's profile.
- The same profile cannot be used in another vehicle at the same time.

*1 : This function is not available in some countries or areas.

- Changing some multimedia settings automatically updates the profile saved at the cloud and a screen notifying the driver that the profile has been updated appears.
- Some multimedia settings are saved in the cloud, so even if a profile is deleted in the vehicle, it is not deleted from the cloud.

Related Links

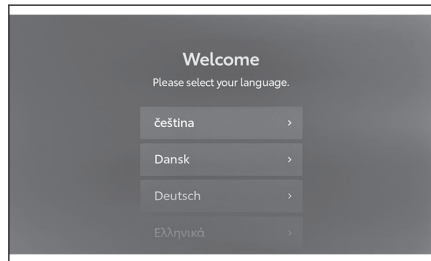
[Setting up how to identify a driver\(P. 61\)](#)

Registering a user profile for the first time (Type A)

An active Toyota account is required to use a profile.

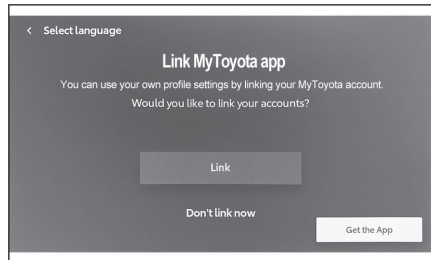
- 1 After the power switch is turned on, the language selection screen will be displayed. Touch the desired language.**

Select the display language when registering the driver. After completing the driver registration, the system language will return to the default language.



- 2 To use the Toyota app on a smartphone to register a profile, touch [Link].**

- If you have not installed the Toyota app, touch **[Get the App]** and download it using the QR code on the screen.
- If you do not want to register a profile, touch **[Don't link now]**. If you touch **[Do not show setup again]**, the profile registration screen will no longer be displayed.



- 3 Open the Toyota app on a smartphone, follow the instructions on the screen and scan the QR code, or enter the verification code to register a driver.**

- 4 Touch [I Agree].**

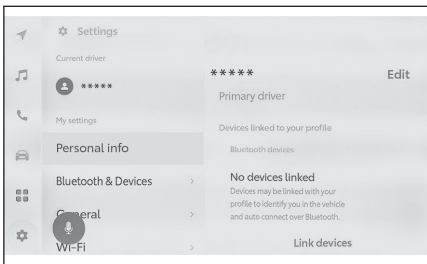
Once registration is complete, a message is displayed and your profile is saved.

- 5 After registering your profile, register a device in order to identify the driver. To continue with setup, touch [Continue].**

You can also register a device at a later time.

6 Register a device on the driver list screen. By registering a device to identify the driver, your profile will be automatically loaded.

- You can register any desired device, such as a smartphone in your profile.
- You can register multiple devices in your profile.



 INFORMATION

If a user profile was not registered, registration can be restarted on the driver list screen.

Related Links

- [Setting up how to identify a driver\(P. 61\)](#)
- [Changing and registering a user profile\(P. 58\)](#)

Registering a user profile for the first time (Type B)

1 After start the vehicle, the language selection screen will be displayed. Touch the desired language.

Select the display language when registering the driver. After completing the driver registration, the system language will return to the default language.

This screen may not be displayed in some countries or areas.

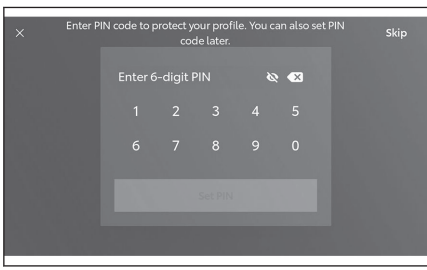
2 To register a user profile, touch [Create].

If you do not want to register a profile, touch **[Don't create now]**. If you touch **[Do not show setup again]**, the profile registration screen will no longer be displayed.

3 Enter the user profile name.

4 Enter the desired PIN code.

- Set a PIN code to protect the privacy of the user profile.
- To register a profile without setting a PIN code, touch **[Skip]**.



5 Reenter your PIN code to register your profile.

Once registration is complete, a message is displayed and your profile is saved.

- 6 After registering your profile, register a device in order to identify the driver. To continue with setup, touch [Continue].**

You can also register a device at a later time.

- 7 Register a device on the driver list screen. By registering a device to identify the driver, your profile will be automatically loaded.**

— Related Links —

[Setting up how to identify a driver\(P. 61\)](#)

Automatically loading a user profile

Taking a smartphone or some other device in the vehicle to identify the driver enables the user profile to be automatically loaded.

- The vehicle detects the device registered in the profile when the power switch is turned to ACC or ON. When a registered device is detected, the profile that the device is assigned to is automatically loaded.
- If the device registered in the profile is not detected, the vehicle is used in guest driver mode.
- Touching [**Settings**] displays the driver list screen enabling you to change profiles.
- You can select a smartphone or some other device as the device to identify the driver.



INFORMATION

- If multiple devices registered in a profile are detected, the driver is identified based on the information of the device detected first. If a highly trusted device is detected after that, the detection result is updated and the profile changed.
- Of the Bluetooth® devices registered to a user profile, only the Bluetooth® device of the most recent driver will be detected. Driver identification may be delayed or may not be able to be performed before starting the vehicle depending on the usage conditions of the Bluetooth® device. It is therefore recommended to register a smart key in addition to Bluetooth® devices.

— Related Links —

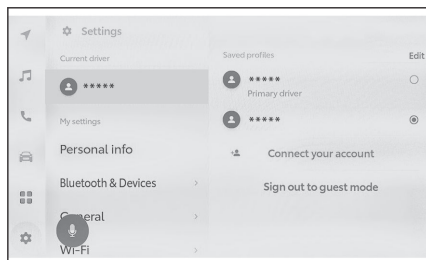
[Setting up how to identify a driver\(P. 61\)](#)

[Changing and registering a user profile\(P. 58\)](#)

Changing the user profile (Type A)

You can select the profile that you want to use on the user profile list registered on the vehicle.

- 1 Touch [] from the main menu.
- 2 Touch [] (User profile name or vehicle name) or [][Guest] on the sub menu.
- 3 From "Saved profiles", select the user profile name that you want to change to.



4 Enter the password.

- The password may not be required if the Bluetooth® device, which is linked to the selected profile, is connected to the system.
- Enter the password set on the Toyota app when the Toyota account was created.
- Once the user profile has changed, a message is displayed on the screen.

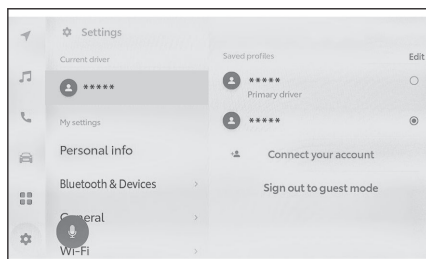
INFORMATION

If the system detects a device set to another user profile, a pop-up message will appear. Touching [] will enable the user profile to be changed.

Changing the user profile (Type B)

You can select the profile that you want to use on the user profile list registered on the vehicle.

- 1 Touch [] from the main menu.
- 2 Touch [] (User profile name or vehicle name) or [][Guest] on the sub menu.
- 3 From "Saved profiles", select the user profile name that you want to change to.



4 Enter the PIN code.

- Once the user profile has changed, a message is displayed on the screen.



INFORMATION

If the system detects a device set to another user profile, a pop-up message will appear. Touching [] will enable the user profile to be changed.

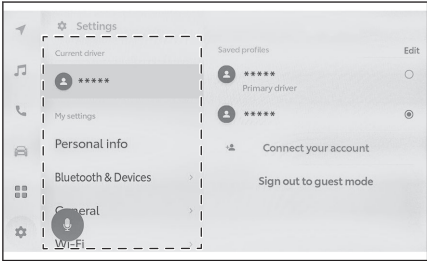
Related Links

[Setting up how to identify a driver\(P. 61\)](#)

Changing the various settings

The various settings related to the multimedia system can be changed.

- 1 Touch [] from the main menu.
- 2 Select the desired item.



Setting	Description	
"Current driver"^(1)		
[](User profile name or vehicle name) [ Guest]	Displays the name of the current driver. Touching the driver name enables to switch or register a user profile. (→ P.58)	
"My settings"		
[Personal info]		Register a device to identify the driver. (→ P.61)
[Bluetooth & Devices]	Register or edit a Bluetooth® device. (→ P.100)	
[General]	Change the clock settings, display language, and other general multimedia settings.(→ P.64)	
[Wi-Fi]	Configure Wi-Fi® settings and other advanced settings. (→ P.98)	
[Display]	Adjust the screen contrast and brightness, etc.(→ P.67)	
[Sound & Media]	Change the system voice volume and audio source settings.(→ P.92)	
[Navigation]	Change settings related to map display and route guidance.(→ P.78)	
[Voice & Search]	Change settings related to the voice recognition feature.(→ P.69)	

Setting	Description
"Vehicle"	
[Vehicle customise] ⁽²⁾	Change settings related to vehicle devices.
[Dealer info]	Register and delete dealer information.(→ P.71)
[Info & Security]	Change settings related to security and privacy.(→ P.72)
[Software update]	Check and update software information.(→ P.75)

(1) This function is not available in some countries or areas.

(2) Refer to the vehicle "Owner's manual".



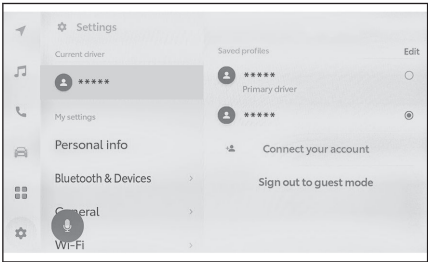
INFORMATION

For safety purposes, there are functions that cannot be operated while the vehicle is moving.

Changing and registering a user profile*1

The user profile can be registered or changed. By registering a user profile, multimedia settings, and various other individual vehicle settings can be saved as a profile for each driver.

- 1 Touch [⚙️] from the main menu.
- 2 Touch [👤] (User profile name or vehicle name) or [👤][Guest] on the submenu.
- 3 Select the desired item.



Setting	Description
"Saved profiles"	The user profiles registered on the vehicle are displayed in a list. The profile can be switched by touching the desired profile and enter the password. Touching [Edit] enables you to delete a registered user profile. (not available in guest mode)
[👤][Connect your account] / [Create profile]	Register a new user profile. If the driver has already been registered on other vehicle, some multimedia settings registered on the vehicle will be reflected.
[Sign out to guest mode] / [Sign out]	Change to the guest driver. By using the guest driver, personal settings can be adjusted and not saved to another user profile. When handing your vehicle off to another person, touching [Sign out to guest mode] will hide the personal information of the connected device. This can be used to protect private information, such as the search history or personal settings. Profiles other than the search history or personal settings will be applied to the guest drivers.

*1 : This function is not available in some countries or areas.

 INFORMATION

For safety purposes, these settings cannot be operated while the vehicle is moving.

Creating a new user profile (Type A)

- 1 Touch [] from the main menu.
- 2 Touch [] (User profile name or vehicle name) or [] [Guest] on the submenu.
- 3 To use the Toyota app on a smartphone to register a profile, touch [Connect your account].
- 4 Touch [Link].
 - If you have not installed the Toyota app, touch [Get the App] and download it using the QR code on the screen.
- 5 Open the Toyota app on a smartphone, follow the instructions on the screen and scan the QR code, or enter the verification code to register a driver.
- 6 Touch [I Agree].

Once registration is complete, a message is displayed and your profile is saved.
- 7 After registering your profile, register a device in order to identify the driver. To continue with setup, touch [Continue].

You can also register a device at a later time.
- 8 Register a device on the driver setup screen. By registering a device to identify the driver, your profile will be automatically loaded.
 - You can register any desired device, such as a smartphone in your profile.
 - You can register multiple devices in your profile.

Creating a new user profile (Type B)

- 1 Touch [] from the main menu.
- 2 Touch [] (User profile name or vehicle name) or [] [Guest] on the submenu.
- 3 Touch [] [Create Profile].
- 4 Enter the user profile name.
- 5 Enter the desired PIN code.
 - Set a PIN code to protect the privacy of the user profile.
 - To register a profile without setting a PIN code, touch [Skip].
- 6 Reenter your PIN code to register your profile.

2-3. Driver settings

Once registration is complete, a message is displayed and your profile is saved.

- 7 After registering your profile, register a device in order to identify the driver. To continue with setup, touch [Continue].**

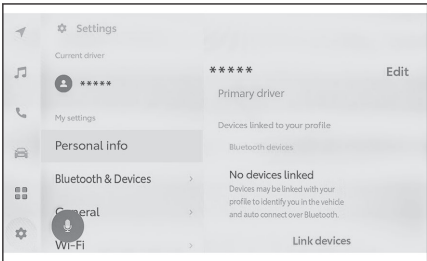
You can also register a device at a later time.

- 8 Register a device on the driver setup screen. By registering a device to identify the driver, your profile will be automatically loaded.**

Setting up how to identify a driver^{*1}

Set a device in order to identify a driver. When the power switch is turned to ACC or ON and a registered device is detected, the profile that the device is assigned to is automatically loaded. You can select a Bluetooth[®] device such as a smartphone as the device to be registered.

- 1 Touch [] from the main menu.
- 2 Touch [Personal info] on the submenu.
- 3 Select the desired item.



Setting	Description
User profile name ⁽¹⁾	The name of the user profile is displayed. Touch [Edit] to change the profile name.
"Devices linked to your profile"	
"PIN" ⁽¹⁾⁽²⁾	Driver identification is performed using a PIN code and the applicable profile is loaded. Touch [Set new PIN] to register.
"Face identification" ⁽¹⁾⁽³⁾⁽⁴⁾	Driver identification is performed using a face and the applicable profile is loaded. Touch [Set-up face] to register.(→ P.62) To delete the registered face information, touch [Remove face data] .

^{*1} : This function is not available in some countries or areas.

Setting	Description
[Link key] ⁽¹⁾⁽³⁾	Place all the desired electronic keys to be registered in the vehicle and then perform registration. Key(s) registered and allocated to other driver(s) cannot be registered. When the smart entry & start system is disabled, the key used to unlock the doors will be assigned to the driver.
[Link digital key] ⁽¹⁾⁽³⁾⁽⁴⁾	Place all the desired digital keys to be registered in the vehicle and then perform registration. Digital key(s) registered and allocated to other driver(s) cannot be registered. As when the vehicle's electronic key is detected earlier than a registered digital key the detection of the digital key will be stopped, it is recommended to register both the electronic key and digital key.
"Bluetooth devices" ⁽¹⁾	Driver identification is performed using a smartphone or other Bluetooth® device and the applicable profile is loaded. Touch [Link devices] to register. (→ P.118)
[Reset settings]	Some multimedia settings for the selected user profile will be deleted.
[Delete driver] ⁽¹⁾	The registration for the selected user profile will be deleted. Deleting the user profile registered for the owner will delete all users profile registered in the vehicle.

(1) Not displayed in guest mode

(2) This function is not available in some countries or areas.

(3) Refer to the vehicle "Owner's manual".

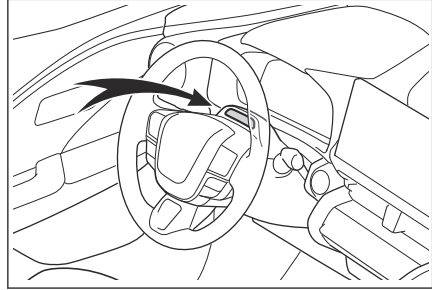
(4) If equipped

Registering face identification

Face identification enables the system to identify the driver.

- 1 Touch [] on the main menu.
- 2 Touch [Personal info] on the submenu.
- 3 Touch [Set-up face].

- 4 Carefully read the Terms of Service and touch [Accept].
- 5 Look directly at the driver monitor camera, ensure only your face is being displayed, and then touch [Begin].

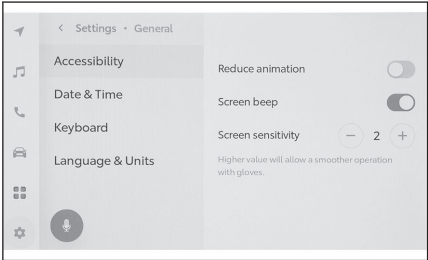


- 6 The system will start scanning your face.
 - Once registration is complete, a message is displayed on the screen.
 - If an error message appears, follow the on-screen instructions and try again.

Changing general multimedia system settings

The time settings, display language, and other general multimedia system settings can be changed.

- 1 Touch [] from the main menu.
- 2 Touch [General] on the submenu.
- 3 Select the desired item.



● [Accessibility]

Setting	Description
[Reduce animation]	Reduce the animations displayed when changing screens.
[Screen beep]	Turn the sound that is made when you touch the screen on or off.
[Screen sensitivity]	Adjust the screen touch sensitivity.

● [Date & time]

Setting	Description
[Set automatically]	Use GPS information and map data to automatically set the time. Turning this setting off will enable you to set the time and time zone manually.
"Time"	
[24-hour time]	Change between 24-hour and 12-hour time display.
[Time zone]	When [Set automatically] is turned off, you can set the time zone.
[Daylight savings]	When [Set automatically] is turned off, you can set summer time to [Auto], [On], or [Off].

Setting	Description
[Set time automatically]	When [Set automatically] is turned off, you can decide whether to set the time automatically using GPS. Turning this setting off will enable you to set the time manually.
[Set time manually]	When [Set time automatically] is turned off, you can manually set the time.
"Date"	
[Format]	Change the date display format. (MM/DD/YYYY, DD/MM/YYYY, YYYY/MM/DD, etc.)

● **[Keyboard]**

Setting	Description
"History"	
[Memorise keyboard]	Enable the system to learn the keyboard input results.
[Delete keyboard history]	Delete the keyboard text learning history.
[Delete search history]	Delete the keyboard search history.

● **[Language & Units]**

Setting	Description
[Language]	Change languages. Both the language displayed on the screen and system voice language change.
[System language] ⁽¹⁾	Change the language displayed on the screen.
[Voice language] ⁽¹⁾	Change the system voice language.
"Measurements"	
[Set automatically]	Automatically sets the display units for distance, and so on based on the country information.
[Trip info. unit]	When [Set automatically] is turned off, you can manually set the display unit.

(1) This function is not available in some languages.

2-4. General settings



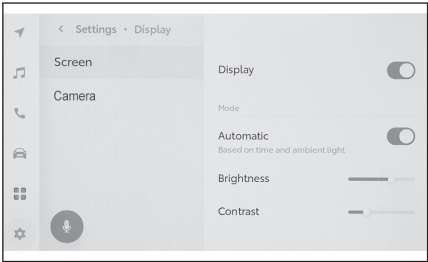
INFORMATION

Set the Apple CarPlay/Android Auto language using the connected device.

Changing the screen display settings

The screen contrast and brightness can be adjusted.

- 1 Touch [] from the main menu.
- 2 Touch [Display] on the submenu.
- 3 Select the desired item.



● [Screen]

Setting	Description
[Display]	Set whether to turn the screen display on or off. If the screen is turned off, nothing will be displayed on the screen and only audio will be played. To display the screen again, touch the screen and touch the button in the center of the screen.
"Mode"	
[Automatic]	The screen can automatically be changed between daytime mode and nighttime mode when the headlights illuminate or turn off.
[Daytime (light)]	When [Automatic] is turned off, the screen can be changed to daytime mode manually.
[Nighttime (dark)]	When [Automatic] is turned off, the screen can be changed to nighttime mode manually.
[Brightness]	Adjust the screen brightness.
[Contrast]	Adjust the strength of the screen contrast.

● [Camera]

2-5. Screen settings

Setting	Description
"Camera screen"	
[Brightness]	Adjust the camera screen brightness.
[Contrast]	Adjust the strength of the camera screen contrast.

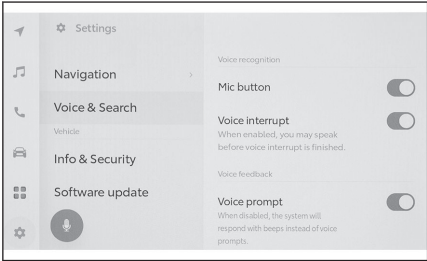
INFORMATION

- For details of how to adjust the audio image quality, see "[Adjusting the image quality](#)"(→ P.96).
- Even if the screen is turned off, the GPS will continue to track the vehicle's current location.
- When the screen is turned off
 - If the screen is touched while the screen display is off, the release button will be displayed in the center of the screen. To display the screen, touch the release button. If there is no operation for 3 seconds, the screen display will turn off again.
 - Even if the screen display is off, the screen may be displayed temporarily, such as when you press the [] switch (talk switch) on the steering wheel or when the shift position is set to "R".

Changing the voice control settings*1

The settings related to the voice recognition feature can be changed.

- 1 Touch [] from the main menu.
- 2 Touch [Voice & Search] on the submenu.
- 3 Select the desired item.



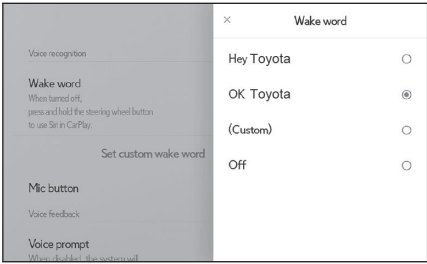
Setting	Description
"Voice recognition"	
[Wake word]	Change the wake word that starts voice control.
[Set custom wake word]	Set the wake word that starts voice control to any word.
[Mic button]	Show or hide [] button on the screen.
"Voice feedback"	
[Voice prompt]	Turn the voice prompts on or off.
"Notification"	
[Voice support]	You can respond verbally to an incoming phone call and other notifications.

Changing the wake word to start the voice control system

- 1 Touch [] from the main menu.
- 2 Touch [Voice & Search]on the submenu.
- 3 Touch [Wake word].

*1 : This function is not available in some countries or areas.

4 Select the desired wake word from the list.



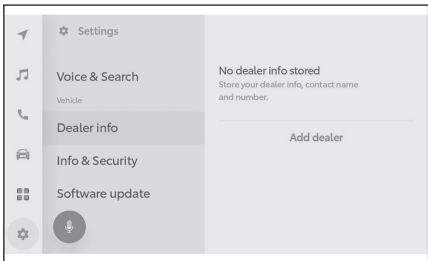
 INFORMATION

- If you want to set a custom word, touch [**Set custom wake word**] and enter your desired word using the keyboard beforehand.
- If custom wake word is too short, the voice control system may not be able to recognize it when spoken to. Use a wake word with at least 3 syllables.

Setting dealer information*1

You can register and delete dealer information. Registering the information of the dealer at which you get your vehicle serviced enables you to contact the dealer from the settings screen when you want to reserve a service.

- 1 Touch [] from the main menu.
- 2 Touch [Dealer info] on the submenu.
- 3 Select the desired item.



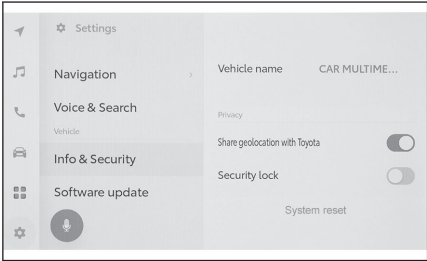
Setting	Description
[Add dealer]	Registers the preferred dealer, contact name and phone number.
Dealer name	Displays the stored dealer name. Touching [] enables to change the information.
"Contact"	Displays the stored contact name. Touching [] enables to change the information.
"Phone"	Displays the stored phone number. Touching [] enables to change the information.
[Delete dealer]	Deletes the dealer information.

*1 : This function is not available in some countries or areas.

Changing the security settings

Settings related to security and privacy can be changed.

- 1 Touch [] from the main menu.
- 2 Touch [Info & Security] on the submenu.
- 3 Select the desired item.



Setting	Description
[Vehicle name]	Displays the system name (vehicle name). This is the device name displayed when searching for a Bluetooth® device from an external device. The name can be changed by touching it.
"Digital keys"(1)(2)	
[Enable digital keys]	Enable the use of digital keys.
[Remove digital keys]	Delete registered digital keys. When deleting the digital key, perform the operation in an area with good DCM reception. If deleting the digital key fails, wait about 1 minute and try again.
"Privacy"	
[All data sharing](3)	Select to enable/disable data upload via communication service. When disabled, the communication service is not available. When enabled, the privacy policy and terms of use will be displayed on the screen. Touch [I Agree].

Setting	Description
[Voice data sharing] ⁽³⁾	Select to enable/disable voice data upload via communication service. When disabled, voice data is not available via communication service. When enabled, the privacy policy and terms of use will be displayed on the screen. Touch [I Agree] .
[Location data sharing]	Set whether to send location information when using the communication service. Turning this setting off will disable some services that use location information.
[Security lock]	Enable the password-protected security lock to protect personal information. When set ON, entering the password will be required when the 12-volt battery is replaced or the multimedia system is removed from the vehicle.
[Reset security lock password]	Reset the set security lock password.
[Remote security] ⁽³⁾	The operating status of Remote security is displayed.
[System reset]	Reset all of the system's data and restore the settings to the factory defaults.

- (1) If equipped
- (2) Refer to the vehicle "Owner's manual".
- (3) This function is not available in some countries or areas.

 **INFORMATION**

- Communication may be cut off after resetting the system. In that case, restart the system.
- After initializing all the information, all the data in the multimedia system will be initialized and returned to the factory default. It cannot be returned to the state before initialization.

Related Links

[Restarting the system\(P. 15\)](#)

Setting up the security lock

- 1 Touch [] from the main menu.
- 2 Touch [Info & Security] on the submenu.
- 3 Touch [Security lock].
- 4 Touch [OK].
- 5 **Set a password that contains between 4 and 15 alphanumeric characters.**
- 6 **Reenter your password.**

A message will appear and the security lock is enabled.



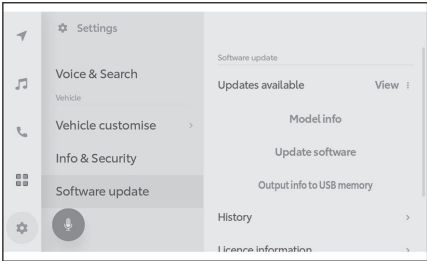
INFORMATION

- After a password is set, if the system is reset after the 12-volt battery is replaced or the multimedia system is removed from the vehicle, a password to operate the multimedia system needs to be entered. Enter the password that you set.
- If the password is entered incorrectly a certain number of times, access to enter a password will no longer be granted. If that happens, ask your dealer to unlock the system.
- To ensure security, do not repeatedly use the same password or a word that can be found in the dictionary when setting a password.

Updating and checking the software information*1

Check and update software information. The software is updated for the purpose of improving multimedia system functions and operations for more smoother usability.

- 1 Touch [] from the main menu.
- 2 Touch [Software update] on the submenu.
- 3 Select the desired item.



Setting	Description
"Software update"	
[Updates available]	Touch [View] to check software update information. After checking whether there is an update available and the content of the update, the updated data can be downloaded and software update can be installed. If there is no updated data available, [No updates available] will be displayed.
[Model info]	Check the current software version etc.
[Update software]	Updating the software. This will not be displayed if there is no update data available.
[History]	Check software update history. This setting will not be displayed if there is no update history.
[License information]	Check the software license information.
[Update notification]	Turn the notification for software updates on or off.

Updating the software*1

Use one of the following methods to update the software:

*1 : This function is not available in some countries or areas.

- **Update the software using Data Communication Module (DCM)**
- **Update the software using Wi-Fi®**



INFORMATION

- Map data cannot be updated using this service.
- Some operations cannot be performed while the software is updating.
- If you have any questions, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.



NOTICE

- Update the software at your own risk.
- The software cannot be restored to the previous version once the software has been updated.
- The update software can only be used on this system. It cannot be used on any other device.
- Depending on the content of the software update, some settings may be reset. If that happens, reconfigure the applicable settings after the software has been updated.
- Although basic functions are possible during the software update, operation may be slow. If possible, do not operate the system.
- After the software is updated, the Toyota Motor Corporation distribution server will be automatically notified that the update has completed. Note that Toyota Motor Corporation does not use the information it receives for any purpose other than software updates. You may also be charged for communication fees depending on your subscription.

Updating the software using DCM or Wi-Fi®

This system regularly accesses the distribution server to check for software updates.

1. Touch the button in the software update notification.
2. Follow the on-screen instructions to check and agree to the update content and terms.
 - Downloading of the update data will start. Once the data has been downloaded, installation will begin.
 - The time required for download and installation may increase depending on the communications environment. If you turn off the power switch while the software is installing, installation will resume the next time the vehicle is started.
 - Once the update is complete, a message is displayed on the screen.

- If the system needs to be restarted, a message will appear. Touching **[Yes]** restarts the system.
- To check the software update history, touch **[History]** on the software update history screen.

■ Manually updating the software

1. Touch [] from the main menu.
2. Touch **[Software update]** on the submenu.
3. Touch **[View]** of "Updates available".
4. Follow the on-screen instructions to check and agree to the update content and terms.
 - Downloading of the update data will start. Once the data has been downloaded, installation will begin.
 - The time required for download and installation may increase depending on the communications environment. If you turn off the power switch while the software is installing, installation will resume the next time the vehicle is started.
 - Once the update is complete, a message is displayed on the screen.
 - If the system needs to be restarted, a message will appear. Touching **[Yes]** restarts the system.
 - To check the software update history, touch **[History]** on the software update history screen.



INFORMATION

- If critical update data is available on the distribution server, a message will be displayed. Touch **[OK]** to download the update data.
- If the software update fails, the system will start with the previous version.
- The following conditions must be met to use Wi-Fi® to update the software:
 - The Wi-Fi® function is turned on.
 - The vehicle must be in a location where it can access Wi-Fi®
 - The system must be connected to a Wi-Fi® access point (e.g. home, work, etc.)

Navigation system settings

Through the navigation system settings, various settings can be changed, such as the map color, text size, etc.

1 Touch [] from the main menu.

2 Touch [Navigation].

3 Touch the desired item.

- Map display settings
- Route settings
- Guidance settings
- Map update settings
- Traffic settings
- Other settings

Related Links

[Changing the map display settings\(P. 79\)](#)

[Route settings\(P. 81\)](#)

[Guidance settings\(P. 86\)](#)

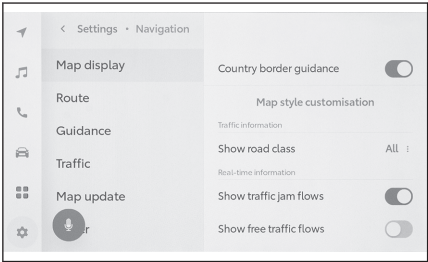
[Map database version and covered area\(P. 178\)](#)

[Traffic settings\(P. 88\)](#)

[Other settings\(P. 89\)](#)

Changing the map display settings

- 1 Touch [⚙️] from the main menu.
- 2 Touch [Navigation].
- 3 Touch the desired item.



Setting	Description
[Country border guidance] ⁽¹⁾	Touch to turn the country border guidance setting on/off. When set to on, voice guidance will be output when crossing country borders. In addition, information on speed limits and driving regulations for that country is displayed.
[Map style customisation]	Touch to change the map display customization settings.
"Traffic information"	
[Show road class]	Touch to change the traffic information display road type setting. After touching a desired road type, touch [OK].
"Real-time information"	
[Show traffic jam flows]	Touch to turn the display of congestion and traffic jams, based on current information, on/off.
[Show free traffic flows]	Touch to turn the display of free flowing roads, based on current information, on/off.
[Traffic incident warning]	Touch turn the traffic incident warning display on/off.
[Show POI icons settings]	Touch to change the Points Of Interest (POI) icon settings.

2-8. Navigation Settings

Setting	Description
[3D view settings]	Touch to change the display angle of the 3D map.
[On street parking suggestion] ⁽²⁾	Touch to turn the street parking suggestions on/off.
[Map language] ⁽¹⁾	Touch to change the map language. After touching [Region] or [System Language], touch [OK].

(1) With built-in navigation system

(2) This function is not available in some countries or areas.

Related Links

[Display angle setting\(P. 80\)](#)

[Map display customization settings\(P. 80\)](#)

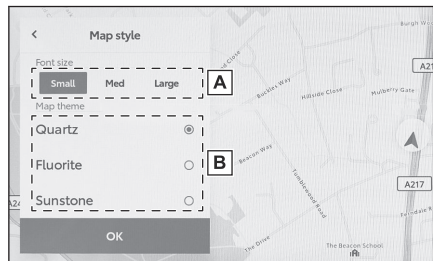
Map display customization settings

The map color and text size can be changed.

- 1 Touch [] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Map style customization].
- 4 Touch the desired item.

- A** Touch to change the size of the text on the map display.
- B** Touch to change the map color.

- 5 Touch [OK].



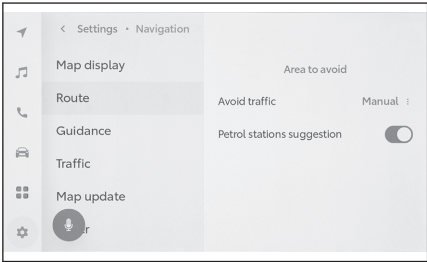
Display angle setting

The display angle of the 3D map can be set.

- 1 Touch [] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [3D view settings].
- 4 Touch [] (increase angle) or [] (decrease angle).
- 5 Touch [OK].

Route settings

- 1 Touch [⚙️] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Route].
- 4 Touch the desired item.



Setting	Description
[Area to avoid]	Touch to register and edit areas to avoid.
[Avoid traffic]	Touch to change the avoid traffic function setting. After touching [Auto], [manual] or [off], touch [OK].
[Petrol stations suggestion]	Automatic display of the fuel stations list can be turned on/off.
[Charging stations suggestion] ⁽¹⁾	Automatic display of the charging stations list can be turned on/off.
[Predictive Efficient Drive] ⁽²⁾⁽³⁾⁽⁴⁾⁽⁵⁾	Touch to turn Predictive Efficient Drive on/off.

(1) Vehicles with plug-in hybrid system.
(2) If equipped
(3) This function is not available in some countries or areas.
(4) For reflecting driving data to next supporting, it is recommended to uncheck [Predictive Efficient Drive] checkbox when the vehicle state is significantly different from usual such as towing.
(5) Refer to the vehicle "Owner's manual".

Related Links

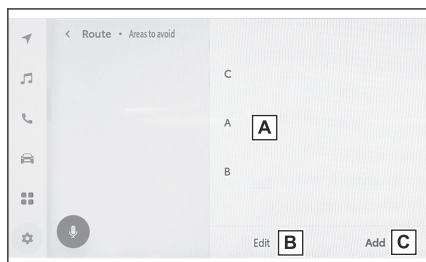
- [Areas to avoid settings\(P. 82\)](#)
- [Search result list screen\(P. 162\)](#)
- [Full route map screen\(P. 166\)](#)

Areas to avoid settings

If an area is known to have road construction, is closed, or frequently has traffic jams, it can be registered as an area to avoid, and routes which avoid this area will be searched for.

- 1 Touch [] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Route].
- 4 Touch [Area to avoid].
- 5 Touch the desired item.

- A Displays a list of registered areas to avoid. Touch to edit the touched area to avoid.
- B Touch to delete a registered area to avoid.
- C Touch to register an area to avoid.



Registering areas to avoid

- 1 Touch [] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Route].
- 4 Touch [Area to avoid].
- 5 Touch [Add].
- 6 Scroll the map to search for an area to avoid.
- 7 Touch [OK].

The range of the area to avoid is displayed as a yellow square.
- 8 Touch [](increase) or [](decrease) to set the range of the area to avoid and then touch [OK].
- 9 After changing the desired items on the editing screen, touch [OK].

INFORMATION

- If there are no other routes but passing through an area to avoid, search result may include roads in the area to avoid.
- Minimizing an area to avoid can change it to an [] (memory point to avoid) display. Highways and sea routes in areas set to avoid may not be able to

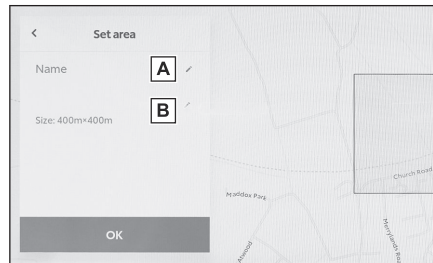
be avoided in search results. Set specific memory point to avoid on the road separately.

Editing areas to avoid

- 1 Touch [] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Route].
- 4 Touch [Area to avoid].
- 5 Touch the area to avoid you wish to edit.
- 6 Touch the setting you wish to change.

- A** Touch to change the name of the area to avoid.
- B** Touch to change the area to avoid and the range of the area to avoid.

- 7 Touch [OK].



Deleting areas to avoid

- 1 Touch [] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Route].
- 4 Touch [Area to avoid].
- 5 Touch [Edit].
- 6 Touch [] of the area to avoid you wish to delete.
 - [Del. All]: Delete all areas to avoid.
 - [Cancel]: Cancel deletion of areas to avoid.
- 7 Touch [Complete].

Predictive Efficient Drive^{*1*2*3}

This system operates based on the driving situation and traffic information to enhance fuel economy.

- The Predictive Efficient Drive function can be turned on/off.

*1 : If equipped

*2 : This function is not available in some countries or areas.

*3 : Refer to the vehicle "Owner's manual".

Related Links

[Route settings\(P. 81\)](#)

Predictive Deceleration Support

The system is using collected driver's actions in the past to predict deceleration/stop points. By providing deceleration support to collected deceleration/stop points, the hybrid battery charge amount can be increased.

- The system automatically stores and registers as a Predictive Deceleration Support location where the driver always decelerates or stops based on pedal operation and the vehicle speed of the driver
- The registered Predictive Deceleration Support locations are shown on the map as icons []. When the position of the vehicle approaches the registered Predictive Deceleration Support location, the icon changes to an emphasized [] icon.



INFORMATION

- The upper limit of the icons which can be displayed on the screen is [100].
- If the number of registered Predictive Deceleration Support locations exceeds the limit, excess locations will be deleted starting with the Predictive Deceleration Support location with the oldest data.
- The icon is displayed in a more detailed map than 1/80000. (excluding city map)
- If driver sets a destination, Predictive Deceleration Support location outside the route isn't highlighted.
- Registered Predictive Deceleration Support points cannot be restored once deleted.
- Registered Predictive Deceleration Support points cannot be deleted one by one.

Predictive SOC Control^{*1*2}

The following types of control are performed based on data such as road and traffic information to help ensure that the vehicle efficiently uses electricity.

- When there is a long downhill slope along the route, the system reduces the hybrid battery level before reaching the slope to help ensure charging capacity for regenerative braking while traveling downhill.
- When traffic congestion is predicted along the route, the system helps ensure a certain battery level before reaching congested roads to reduce

^{*1} : SOC means state of charge.

^{*2} : Vehicles without plug-in hybrid system.

the frequency of starting the engine to charge the hybrid battery due to low battery levels.

INFORMATION

- The system operates when starting route guidance and the position of the vehicle is along the guided route. (The system does not operate in parking lots, etc.)
- When multiple destinations are set, the system will continue to operate to the last destination.

Predictive EV Drive^{*1}

To enhance vehicle efficiency while driving, the Predictive EV Drive function will make decision of when Hybrid system automatically switches between EV & HV driving. This decision is based on available route information like hybrid battery state of charge, traffic information & road conditions like highway, uphill, etc.

When the system operates, it informs the driver about the benefit on the navigation screen upon arrival at the destination.

Also, the system adjusts the remaining charge of the hybrid battery to prioritise EV driving in LOW EMISSION ZONE^{*2} (Geofencing).

INFORMATION

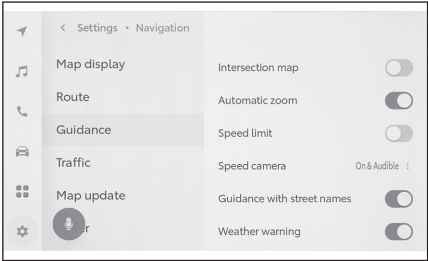
- The system operates when AUTO EV/HV mode or EV mode is selected.
- The system operates when starting route guidance and the position of vehicle is along the guided route. (The system does not operate in parking lots, etc.)
- When multiple destinations are set, the system will continue to operate to the last destination.

^{*1} : Vehicles with plug-in hybrid system.

^{*2} : LOW EMISSION ZONE is developed in the map database of Navigation.

Guidance settings

- 1 Touch [] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Guidance].
- 4 Touch the desired item.



Setting	Description
[Intersection map]	Touch to turn the enlarged intersection display on/off.
[Automatic zoom]	Touch to turn automatic zoom on/off.
[Speed limit] ⁽¹⁾⁽²⁾	Touch to set speed limit information on/off. If the vehicle has entered a time-dependent speed limit area (shopping center area, pedestrian zone, school zone, etc.) within specified time, a mark will be displayed near the warning and speed limit information display.
[Speed camera] ⁽¹⁾⁽²⁾	Touch to change the speed cameras icons display setting. After touching [On], [On & Audible] or [Off], touch [OK].
[Guidance with street names]	Touch to set the street name guidance on/off.
[Weather warning] ⁽²⁾	Touch to set the weather warning on/off.
[Traffic jam warning guidance]	Touch to turn traffic jam voice guidance on/off.
[Landmark voice guidance] ⁽¹⁾	Touch to set the Landmark voice guidance on/off.

Setting	Description
[Guide language]	Touch to change the voice guidance language. ● After touching the language, touch [OK]. ● Although the general voice guidance language can be changed, the language for location specific names cannot be changed.

- (1) With built-in navigation system
- (2) This function is not available in some countries or areas.

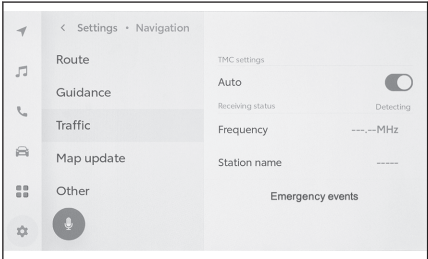
Related Links

- [Lane display screens\(P. 174\)](#)
- [Speed cameras\(P. 154\)](#)

Traffic settings

Traffic information such as traffic congestion or traffic incident warnings can be made available.

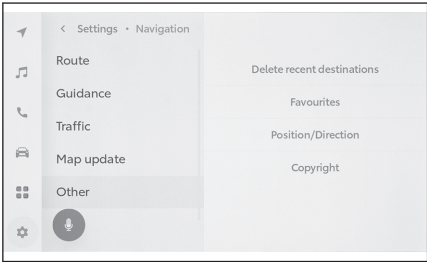
- 1 Touch [⚙️] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Traffic].
- 4 Touch the desired item.



Setting	Description
"TMC settings"	
[Auto]	Touch change the traffic information reception settings.
"Receiving status"	
[Frequency]	Touch to change the frequency. (When TMC automatic reception setting is turned off)
[Station name]	Displays the station name.
[Emergency events]	Touch to display the emergency events list. Touch list to display details.

Other settings

- 1 Touch [] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Other].
- 4 Touch the desired item.



Setting	Description
[Delete recent destinations]	Touch to delete the destination history. After touching the destinations you wish to delete, touch [OK]. To delete all, touch [Delete all], and then touch [OK].
[Favourites]	Touch to edit favorites.
[Position/Direction]	Touch to correct the position of your vehicle.
[Copyright]	Touch to display the copyright.

— Related Links —

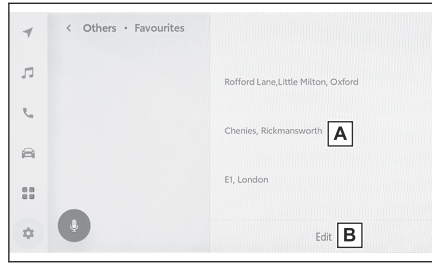
- [Favorites settings\(P. 89\)](#)
- [Position/Direction calibration\(P. 91\)](#)

Favorites settings

- 1 Touch [] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Other].
- 4 Touch [Favourites].

5 Touch the desired item.

- A** Displays a list of registered favorites. Touch to edit the touched favorite.
- B** Touch to delete a registered favorite.



Registering favorites

To register a point as a favorite, when the information screen for a point is displayed on the map screen, touch [] to register the point.

Related Links

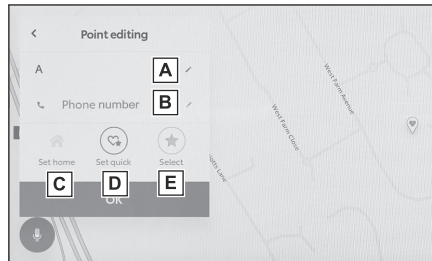
[Displaying information for a point\(P. 149\)](#)

[Full route map screen\(P. 166\)](#)

Editing favorites list

- 1 Touch [] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Other].
- 4 Touch [Favourites].
- 5 Touch the favorite you wish to edit.
- 6 Touch the desired item.

- A** Edit your favorite name.
- B** Edit the phone number.
- C** Touch to register the current point as home.
- D** Touch to register the current point as a frequently visited point.
- E** Change the icon displayed on the map.



7 Touch [OK].

INFORMATION

When a frequently visited point is registered, it will be displayed at the top of the favorites list when setting a destination.

Deleting favorite

- 1 Touch [] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Other].
- 4 Touch [Favourites].
- 5 Touch [Edit].
- 6 Touch [] of the favorite you wish to delete.
 - [Del. All]: Delete all favorites.
 - [Cancel]: Cancel deletion of favorites.
- 7 Touch [Complete].

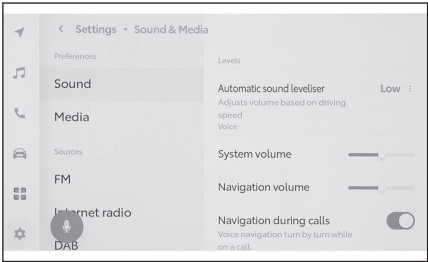
Position/Direction calibration

When driving, the current position mark will be automatically corrected by GPS signals. If GPS reception is poor at the current location, the current position mark can be adjusted manually.

- 1 Touch [] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Other].
- 4 Touch [Position / Direction].
- 5 Scroll the map to the desired point and touch [OK].
- 6 Touch an arrow to adjust the direction of the current position mark and touch [OK].

Changing sound and media settings

- 1 Touch [⚙️] from the main menu.
- 2 Touch [Sound & Media] on the submenu.
- 3 Select the desired item.



● [Sound] > [Levels]

Setting	Description
[Automatic sound leveliser]	Automatically adjust for volume based on the vehicle speed.

● [Sound] > [Voice]

Setting	Description
[System volume]	Adjust the system guidance volume.
[Navigation volume]	Adjust the volume of the voice guidance for the navigation system.
[Navigation during calls]	Turn on or off to interrupt the navigation system voice guidance during a phone call.
[Adaptive volume control]	Automatically increases the voice guidance volume when you are driving on an expressway.
[Driving assist volume]	Adjusts the volume of the driving support system

● [Media] > [General]

Setting	Description
[Display cover art]	Displays cover art such as for music albums.

● [FM] > [FM]

Setting	Description
[Station list]	Reorders the station list.
[Enable FM radio]*1	Hides [FM] on the source selection screen.

*1 : This function is not available in some countries or areas.

Setting	Description
[FM traffic announcement]	Automatically switches stations when traffic information starts on an FM broadcasting station.
[FM alternative frequency]	Switches to an alternative frequency with better reception when the signal fades for an FM broadcasting station.
[Regional code change]	Switches to local broadcasting on the same program network.
[FM radio text]	Displays radio text from the FM broadcasting station.

● **[Internet radio]*¹**

Setting	Description
[Enable internet radio]	When the radio reception condition deteriorates, the system switches to IP radio.
[Changing to IP stream]	Settings can be changed for when switching to IP radio. - When [Auto] is set, it switches automatically. - Setting [By request] notifies of a switch request.
[Enhanced meta-data/art work]	Uses the Gracenote radio recognition technology. - Displays the logos of the favorites and the station list. - Changes the category names of the station list. - Automatically updates the station list.

● **[DAB]*¹**

Setting	Description
[Traffic announcement]	Automatically switches stations when traffic information starts on DAB.
[Service news]	Automatically switches stations when there is a DAB announcement broadcast (such as news, weather information, alerts, or warnings). - When the announcement ends, the system resumes the previous program. - Alarm announcements are broadcast even if the settings is off.
[Alternative frequency]	Switches to an alternative frequency with better reception when the signal fades for DAB.
[Radio text]	Displays radio text from DAB.

*1 : This function is not available in some countries or areas.

2-9. Sound and media settings

Setting	Description
[Slideshow]	Displays the slideshow images. The slideshow is available depending on the service.



INFORMATION

Using the [VOL] switches ([VOL ] knob) during system voice guidance adjusts the volume of the voice guidance.

Switching the screen mode

Switch between normal video and widescreen video.

- 1 Touch [] from the main menu.
- 2 Touch [Sources].
- 3 Touch the source for which screen mode will be switched.
- 4 Touch [].
- 5 Touch [Screen].

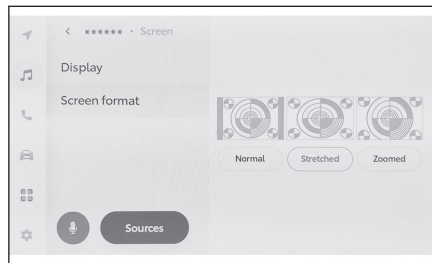
The button is displayed in video mode.

- 6 Touch [Screen format].
- 7 Select the desired mode.

[Normal] : Displays the input video in a 4:3 aspect ratio.

[Stretched] : Enlarges the input video display to fit the screen.

[Zoomed] : Enlarges the input video display equally in the vertical and horizontal directions.



INFORMATION

- The settable mode varies according to the video mode.
- Black bands may be added to restrict the video display area to prevent the video from looking strange.

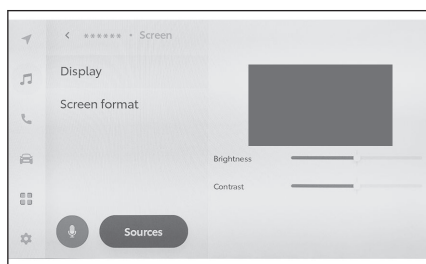
Adjusting the image quality

Adjusts the contrast and brightness of the image.

- 1 Touch [🎵] from the main menu.
- 2 Touch [Sources].
- 3 Touch the source of which image quality will be adjusted.
- 4 Touch [⋮].
- 5 Touch [Screen].
The button is displayed in video mode.
- 6 Touch [Display].
- 7 Set each item.

"Brightness" : Adjusts the brightness.

"Contrast" : Adjusts the contrast.



Adjusting the sound of each source

Adjusts the sound quality and volume balance of each source.

- 1 Touch [] from the main menu.
- 2 Touch [Sources].
- 3 Touch the source of the sound to be adjusted.
- 4 Touch [].
Depending on the source, go onto 6.
- 5 Touch [Sound].
- 6 Set each item.

"Treble" : Adjusts the level of the treble.

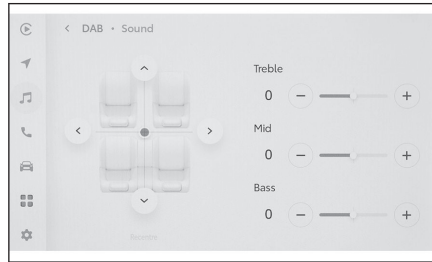
"Mid" : Adjusts the level of the mid-range.

"Bass" : Adjusts the level of the bass.

Fader and balance : Adjust the fader

and balance by moving the [].

Touch [Recentre] to return to the center.



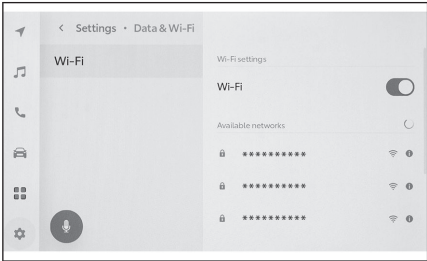
INFORMATION

Adjust the Treble, Mid, and Bass settings independently for each source.

Changing Wi-Fi® settings

Change Wi-Fi® settings.

- 1 Touch [] from the main menu.
- 2 Touch [Wi-Fi] on the sub menu.
- 3 Set each item.



● "Wi-Fi settings"

Setting	Description
[Wi-Fi]	Enables or disables the Wi-Fi® function.

- A message may be displayed depending on the multimedia system settings. Perform the operation according to the guidance on the screen.
 - Turning on [Wi-Fi] will display nearby networks that are available.
 - Turning off [Wi-Fi] will disconnect the Wi-Fi® connection.
- "Available networks" ("Available networks" will display while [Wi-Fi] is on.)

Setting	Description
Name of network to connect to (Network SSID)	Connects to the network touched.
Name of network display (Network SSID)[]	Displays the network information display.

- Network name may display as duplicate when more than one MAC address shares the same network.
 - A maximum of 30 networks can be displayed. The list is automatically updated every six seconds.
 - If there are devices using the same network name (Network SSID), it cannot identify which device to use. If using multiple devices, use different network names (Network SSIDs) for each device.
- Network information display (Displays when [] for the network name is touched.)

Setting	Description
[Auto connect]*1	Turns on or off the setting to automatically connect when searching for networks.
"Network SSID"	Displays the network name (Network SSID).
"MAC address"	Displays the MAC address of the network.
"Security"	Displays the security protocol of the network.
"Frequency band"	Displays the network frequency.
[Forget this network]*1	Deletes the connection history of the selected network from the multimedia system. The deleted network will be recognized as a network which has never been connected to the system before.

- **[Forget this network]** does not disconnect the current Wi-Fi® network connection. The network information will not be remembered and not re-connect to this Wi-Fi® network when restarting Wi-Fi®.



INFORMATION

- The network connection history retains up to 20 items, deleting the oldest when a new one is saved.
- Insecure networks are not registered in the network connection history.

Related Links

[Precautions when using Wi-Fi® devices\(P. 120\)](#)

[Connecting to a network using Wi-Fi®\(P. 122\)](#)

*1 : Only networks with a connection history to the multimedia system are displayed.

Setting Bluetooth® devices

How to use the multimedia system and the connected Bluetooth® device can be set.

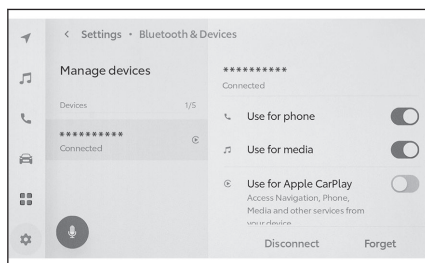
INFORMATION

- Settings details are set separately for each individual Bluetooth® device.
- Audio may skip if hands-free calling is selected while playing Bluetooth® audio.
- Depending on the Bluetooth® device model, it may be necessary to perform operations on the Bluetooth® device.
- A Bluetooth® device cannot be selected during an emergency call.
- Settings cannot be selected while driving.
- Settings may not be selectable depending on the status of the Bluetooth® device.

- 1 Touch [] from the main menu.
- 2 Touch [Bluetooth & Devices].
- 3 Touch the Bluetooth® device to configure from the sub menu.

Nothing will display unless at least one Bluetooth® device is registered.

- 4 Set each item.



Setting	Description
[Use for phone]	Enables or disables the hands-free call function.*1*2

*1 : Displayed only when the Bluetooth® device can execute this function. Toggling the function on or off will display or hide related functions, or turn them on or off. This cannot be used for calls or audio while Apple CarPlay or Android Auto is set to on. The same also applies in reverse.

*2 : The connection with this function will be disconnected if the button is turned off. When connected with a device such as by being automatically connected, the function that turned off will not automatically turn on. The connection with this function will be started if the button is turned on.

Setting	Description
[Use for media]	Enables or disables the audio function.*1*2
[Use for Apple CarPlay]	Enables or disables the Apple CarPlay function.*1*2
[Use for Android Auto]	Enables or disables the Android Auto function.*1*2 If the [Use for Android Auto] settings are switched OFF while using Android Auto, [Use for phone] settings will be switched ON.
[Setup secure password]	The password for the Wireless Android Auto function can be changed.*3
[Set as secondary device]	Sets the device as a secondary device.*3 This setting can be used when a driver has been registered and the detected cellular phone has not been set as their main device. Once set as a secondary device, the device will be recognized as such. The priority of the vehicle's Bluetooth® connection will be in the sequence of main device, secondary device, and the most recently connected device.
[Remove secondary device setting]	Removes the device as a secondary device.*3
[Disconnect]	Disconnects a Bluetooth® device from the multimedia system. The connected functions will turn off. The device may not automatically connect to the function even if the device is reconnected.
[Forget]	Allows registered Bluetooth® devices to be deleted.

● "Volume"

*1 : Displayed only when the Bluetooth® device can execute this function. Toggling the function on or off will display or hide related functions, or turn them on or off. This cannot be used for calls or audio while Apple CarPlay or Android Auto is set to on. The same also applies in reverse.

*2 : The connection with this function will be disconnected if the button is turned off. When connected with a device such as by being automatically connected, the function that turned off will not automatically turn on. The connection with this function will be started if the button is turned on.

*3 : This function is not available in some countries or areas.

Setting	Description
[Ringtone]	Adjusts the ringtone volume.* ¹
[Received volume]	Adjusts the receiver volume.* ¹
[New message]	Adjusts the volume for incoming messages.

● "General"

Setting	Description
[Ringtone]	The ringtone for hands-free calling can be set as follows. • Sets the ringtone set for the cellular phone as the ringtone for the multimedia system. • Sets the existing ringtone. • Sets the system to read aloud the name of the party calling.*²
[Message tone]	The ringtone for incoming messages can be set as follows. • Set to the existing incoming ringtone. • Set to mute. • Set to read aloud the name of the sender.*²
[Sort contacts by]	The display of names registered in your contacts can be changed as follows. • Sort contacts by the first name. • Sort contacts by the last name.
[Auto read messages]	Enables or disables the automated message read out function.
[Clear call history]	Deletes hands-free call history data. Displayed when a cellular phone with [Sync contacts] turned off is connected.

● "Syncing"

Setting	Description
[Sync contacts]	Enables or disables automatic transfer of contacts, favorites, and history to the multimedia system. When the setting is changed from disabled to enabled automatic transfer of the phone book starts.

*1 : Cellular phone and multimedia system speaker volume/ringtone volume may be synchronized. The speaker volume/ringtone volume with the multimedia system cannot be synchronized depending on the cellular phone model.

*2 : This function is not available in some languages.

Setting	Description
[Sync contacts]	Some cellular phone models do not allow favorites to be transferred.
[Display contact images]	Enables or disables the contact image display. The contact image cannot be downloaded to the multimedia system unless the [Sync contacts] is set to on.

Related Links

[Precautions when using Bluetooth® devices\(P. 106\)](#)

[Bluetooth® specifications and compatible profiles\(P. 109\)](#)

[Precautions for hands-free calling\(P. 210\)](#)

[Precautions for Bluetooth® audio playback\(P. 204\)](#)

[Precautions when using Apple CarPlay and Android Auto\(P. 125\)](#)

[Setting a Bluetooth® device as a primary device\(P. 118\)](#)

[Setting a Bluetooth® device as a secondary device\(P. 119\)](#)

[Changing and registering a user profile\(P. 58\)](#)

[Registering a user profile for the first time \(Type A\)\(P. 51\)](#)

3-1. Using the Bluetooth® function

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Bluetooth® specifications
and compatible profiles.... **109**

Registering a Bluetooth®
device from the multime-
dia system **110**

Deleting a registered
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Connecting with a
Bluetooth® device **114**

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3-2. Connecting to a Wi-Fi® net- work

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3-3. Using Apple CarPlay and An- droid Auto

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When Apple CarPlay or An-
droid Auto might be mal-
functioning **140**

Precautions when using Bluetooth® devices

Pay special attention to the following information when using a Bluetooth® device on the multimedia system.

INFORMATION

- The vehicle uses Bluetooth® communications on the 2.4GHz frequency band. Performance may vary depending on various factors.
- Simultaneous use of Wi-Fi® using the same 2.4GHz band wireless communication as Bluetooth® could cause mutual interference.
- Mutual interference between Bluetooth® and Wi-Fi® could cause issues such as garbled video, audio skipping, or reduced communication speed. The effect of interference will be reduced if a Bluetooth® device is connected. If a Bluetooth® device has been registered, connecting with the registered device could improve this issue. (The connection of a Bluetooth® device can be checked with by the status icon on the multimedia system screen.)
- Using a Bluetooth® cellular phone simultaneously with a wireless device could negatively affect communication for each.
- The Bluetooth® function cannot be used by the multimedia system while Apple CarPlay is connected wirelessly.
- When a Bluetooth® device is connected via Bluetooth®, its battery will be consumed more quickly than normal.
- Bluetooth® connections will be disconnected during emergency calls. Any disconnected Bluetooth® devices will be reconnected once the emergency call is finished.

WARNING

- For safety, the driver should not operate the cellular phone itself while driving when using hands-free calling.
- Stop the vehicle in a safe location prior to calling. If a call is received while driving, be sure to drive safely and keep the call short.

NOTICE

- Do not use a Bluetooth® device near the multimedia system. Coming too close could worsen sound quality or the connection.
- Do not leave a cellular phone inside the vehicle. The inside of the vehicle can become hot, which could cause the cellular phone to malfunction.

■ Users with pacemakers or other electrical medical devices

Observe the following precautions with regard to radio waves during Bluetooth® communication.

⚠ WARNING

- The vehicle antenna for Bluetooth® communication is built into the multimedia system.
- People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the Bluetooth® antennas. The radio waves may affect the operation of such devices.
- Before using Bluetooth® devices, users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves could have unexpected effects on the operation of such medical devices.

■ When used simultaneously with Bluetooth® audio

- The following behaviors will occur if a Bluetooth®-compatible device (cellular phone) is used hands-free and simultaneously with Bluetooth® audio.
 - The Bluetooth® connection of the cellular phone may be disconnected.
 - There is possibility that background noise may exist during a hands-free phone call.
 - Hands-free call operation may lag.
- Audio may skip if the communication device selected for hands-free calling is changed during Bluetooth® audio playback.
- The portable device connection may be disconnected when transferring contact data. It will be reconnected once transfer is complete. (Reconnection may not be possible for some models)
- It may not be possible to make both a hands-free connection and audio connection, even for cellular phones that support both hands-free connections and audio connections.
- For a list of specific devices which operation has been confirmed on this system, check with any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

— Related Links —

[Precautions when using Wi-Fi® devices\(P. 120\)](#)

3-1. Using the Bluetooth® function

Precautions for Bluetooth® audio playback(P. 204)

Precautions for hands-free calling(P. 210)

Precautions for playback of Miracast®(P. 208)

Status icons(P. 20)

Bluetooth® specifications and compatible profiles

The multimedia system supports the following specifications and compatible profiles. Operation is not guaranteed for all Bluetooth® devices.

■ Supported Bluetooth® specifications

Bluetooth® Core Specification Ver.5.0

■ Compatible profiles

● HFP (Hands Free Profile)

Supported versions: Ver.1.7.2

This is a profile to allow hands-free phone calls using a cellular phone. It has outgoing and incoming call functions.

● PBAP (Phone Book Access Profile)

Supported versions: Ver.1.2.3

Profile for synchronizing data such as contact data and call history

● OPP (Object Push Profile)

Supported versions: Ver.1.2.1

Profile for transferring contact data

● MAP (Message Access Profile)

Supported versions: Ver.1.4.2

This is a profile to use phone message functions.

● SPP (Serial Port Profile)

Supported versions: Ver.1.2

- Profile for converting Bluetooth®-equipped devices as virtual serial ports
- Profile for linking smartphones

● A2DP (Advanced Audio Distribution Profile)

Supported versions: Ver.1.3.2

This is a profile to transmit stereo audio or high quality sound to the audio system.

● AVRCP (Audio/Video Remote Control Profile)

Supported versions: Ver.1.6.2

Profile for controlling audio remotely

Registering a Bluetooth® device from the multimedia system

A cellular phone or portable device must be registered in order to use hands-free calling or Bluetooth® audio. Once registration is complete, Bluetooth® will automatically be connected each time the multimedia system is started.

When Apple CarPlay/Android Auto is connected, the device will be automatically registered.

If no Bluetooth® device is connected, the registration screen can also be displayed by pressing and holding the [] switch on the steering wheel.

INFORMATION

- A cellular phone can be registered as both a hands-free phone and Bluetooth® audio device.
- Up to 5 Bluetooth® devices can be registered. However, a maximum of 2 devices can be used as a hands-free phone. (Setting of a driver is required to connect 2 hands-free phones.)*¹
- Refer to the Bluetooth® device's instruction manual for information on how to operate the Bluetooth® device.
- Registration will need to be repeated once for each Bluetooth® device if multiple Bluetooth® devices will be used.
- A PIN code is a verification code used when registering a Bluetooth® device to the multimedia system.
- Dialing may be locked out after connecting, depending on the cellular phone settings. Cancel the auto lock function on the cellular phone before use.
- If another device is registered while connected to a cellular phone or portable device, the connection to the portable device or cellular phone playing audio will be disconnected.
- Miracast® audio may skip if a Bluetooth® device is registered while using Miracast®.
- For safety reasons, devices cannot be registered while driving.
- If Bluetooth® device registration cannot be completed, restart the Bluetooth® device.

1 Touch [] from the main menu.

2 Touch [Bluetooth & Devices].

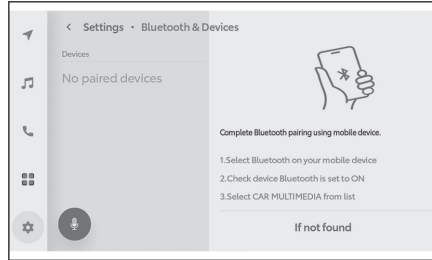
If no device is registered, proceed to Procedure 4.

3 Touch [Add another device].

*1 : This function is not available in some countries or areas.

While a device is connected to the multimedia system, the confirmation screen for disconnecting the device may be displayed. Disconnect the device to perform registration.

4 Touch [If not found].



5 Touch the device to register from the main area.

- The Bluetooth® address may be displayed instead of the device name.
- If the device to register is not displayed in the main area, try registering from the Bluetooth® device.
- Certain models of Bluetooth® devices may not be displayed in the device list, unless a certain screen is displayed on the Bluetooth® device. Refer to the Bluetooth® device's instruction manual for details.

6 Check that the displayed PIN code matches the PIN code displayed on the Bluetooth® device, and then touch [OK].

- Some Bluetooth® devices may need to be operated to complete registration.
- When an HFP supported Bluetooth® device is registered, that device is automatically set as the main device if the driver does not have a main device set.*1
- The Apple CarPlay or Android Auto settings may be displayed. The Apple CarPlay or Android Auto screen will be displayed if the use of either is enabled.
- A message indicating that connection is complete is displayed, and the name of the registered Bluetooth® device is displayed in the submenu.
- If an operation failed screen is displayed, follow the operation instructions on the screen.

Related Links

[Registering a user profile\(P. 50\)](#)

[Changing and registering a user profile\(P. 58\)](#)

[Precautions when using Apple CarPlay and Android Auto\(P. 125\)](#)

*1 : This function is not available in some countries or areas.

Registering from a Bluetooth® device

If the Bluetooth® device cannot be found by searching with the multimedia system, register by searching for the multimedia system from the Bluetooth® device.

1 Touch [] from the main menu.

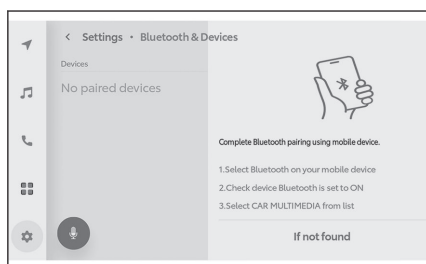
2 Touch [Bluetooth & Devices].

3 Touch [Add another device].

While a device is connected to the multimedia system, the confirmation screen for disconnecting the device may be displayed. Disconnect the device to perform registration.

4 **Register the multimedia system from the Bluetooth® device to be used.**

- Perform the operation according to the operating procedure of the Bluetooth® device.
- Be sure to display this Bluetooth® connection screen before performing registration on the Bluetooth® device.



5 **Check that the displayed PIN code matches the PIN code displayed on the Bluetooth® device, and then touch [OK].**

- Some Bluetooth® devices may need to be operated to complete registration.
- When an HFP supported Bluetooth® device is registered, that device is automatically set as the main device if the driver does not have a main device set.*1
- The Apple CarPlay or Android Auto settings may be displayed. The Apple CarPlay or Android Auto screen will be displayed if the use of either is enabled.
- A message indicating that connection is complete is displayed, and the name of the registered Bluetooth® device is displayed in the submenu.
- If an operation failed screen is displayed, follow the operation instructions on the screen.

Related Links

[Registering a user profile\(P. 50\)](#)

[Changing and registering a user profile\(P. 58\)](#)

[Precautions when using Apple CarPlay and Android Auto\(P. 125\)](#)

*1 : This function is not available in some countries or areas.

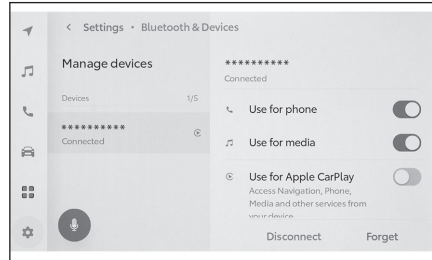
Deleting a registered Bluetooth® device

Registered Bluetooth® devices can be deleted.

- 1 Touch [] from the main menu.
- 2 Touch [Bluetooth & Devices].
- 3 Touch the Bluetooth® device to be deleted from the submenu.
- 4 Touch [Forget].

A device that has been set as the primary device of another user cannot be deleted.*1

- 5 Touch [Forget].



INFORMATION

- A registered cellular phone cannot be deleted during an emergency call.
- It may not be possible to delete on the first try, depending on the status of the Bluetooth® device.

Related Links

[Setting a Bluetooth® device as a primary device\(P. 118\)](#)

[Registering a user profile\(P. 50\)](#)

[Changing and registering a user profile\(P. 58\)](#)

*1 : This function is not available in some countries or areas.

Connecting with a Bluetooth® device

Connection with a Bluetooth® device is required to use various function of the multimedia system. There are two connection methods, automatic and manual.

INFORMATION

- Refer to the Bluetooth® device's instruction manual for information on how to operate the Bluetooth® device.
- If multimedia system behavior is unstable when connecting a cellular phone, end the call and try connecting again.
- A connection cannot be made if Bluetooth® on the Bluetooth® device is not turned on.
- When connection of the Bluetooth® device is completed, it will be displayed at the top of the screen.
- While the Bluetooth® device is connected, the Bluetooth® connection status icon is displayed.
- The display area may illuminate and stay on while the power switch is turned on, depending on the model of cellular phone. If this occurs, turn illumination off on the cellular phone. (For information on setting, refer to the cellular phone instruction manual)
- The Bluetooth® function cannot be used on the device connected as Apple CarPlay.
- The Bluetooth® function cannot be used by the multimedia system while Apple CarPlay is connected wireless.
- The Bluetooth® function except the hands-free function cannot be used on the device connected as Android Auto.
- Miracast® audio may skip if a Bluetooth® device is connected while using Miracast®.

■ Bluetooth® reconnection

If a Bluetooth® connection that was once established is disconnected while the power switch is turned on, a reconnection will be automatically attempted.

■ Number of Bluetooth® device connections

- When a driver is set*1

Up to two hands-free phones and one audio device will be connected automatically. (The hands-free phone and audio device can also be set as the same device.)

*1 : This function is not available in some countries or areas.

● When a driver is not set

Up to one hands-free phone and one audio device will be connected automatically. (The hands-free phone and audio device can also be set as the same device.)

 INFORMATION

- Try connecting manually if reconnection fails.
- If Apple CarPlay is connected, you may not be able to reconnect the Bluetooth® connection.

— **Related Links** —

[Status icons\(P. 20\)](#)

[Registering a user profile\(P. 50\)](#)

[Changing and registering a user profile\(P. 58\)](#)

[Manually connecting Bluetooth® devices\(P. 116\)](#)

Automatically connecting Bluetooth® devices

The multimedia system will automatically connect to Bluetooth® devices in the set priority order each time the power switch is turned from off to on.

● When a driver is set*1

Automatically connects in order of the primary device, secondary device, and then devices in order of most recent connection.

Up to two hands-free phones and one audio device will be connected automatically. (The hands-free phone and audio device can also be set as the same device.)

● When a driver is not set

Automatically connects in order of most recent connection.

Up to one hands-free phone and one audio device will be connected automatically. (The hands-free phone and audio device can also be set as the same device.)

 INFORMATION

- Try connecting manually if reconnection fails.
- The Bluetooth® device may need to be operated, depending on the model of Bluetooth® device.

*1 : This function is not available in some countries or areas.

3-1. Using the Bluetooth® function

- Devices that were manually disconnected such as by touching the **[Disconnect]** button will not be automatically reconnected.

Related Links

[Setting a Bluetooth® device as a primary device\(P. 118\)](#)

[Setting a Bluetooth® device as a secondary device\(P. 119\)](#)

[Registering a user profile\(P. 50\)](#)

[Changing and registering a user profile\(P. 58\)](#)

Manually connecting Bluetooth® devices

In order to connect another Bluetooth® device, or if automatic connection fails, it is possible to connect to registered Bluetooth® devices.

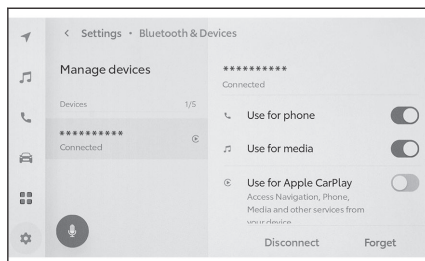
- 1 Touch **[Settings]** from the main menu.
- 2 Touch **[Bluetooth & Devices]** on the submenu.

The device search screen will display on the multimedia system if no Bluetooth® devices are registered. Register the Bluetooth® device.

- 3 Touch the Bluetooth® device to connect to on the submenu.

If the Bluetooth® device to connect to is not listed in the submenu, register the Bluetooth® device.

- 4 Turn on the function (phone, audio, etc.) that you want to connect from the main area.



INFORMATION

It may not be possible to connect on the first try, depending on the status of the Bluetooth® device. If this occurs, try connecting again after a while.

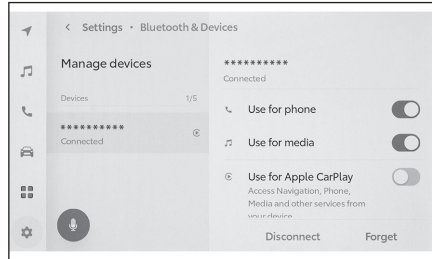
Related Links

[Registering a Bluetooth® device from the multimedia system\(P. 110\)](#)

Disconnecting Bluetooth® devices

Connected Bluetooth® devices can be disconnected from the multimedia system.

- 1 Touch [] from the main menu.
- 2 Touch [Bluetooth & Devices] on the submenu.
- 3 Touch the Bluetooth® device to be disconnected on the submenu.
- 4 Touch [Disconnect] from the main area.



Setting a Bluetooth® device as a primary device*1

Setting a Bluetooth® device as the primary device makes it the first to be connected during automatic connection.

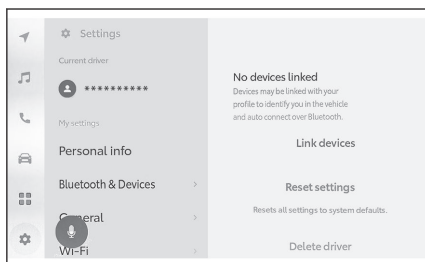
- A Bluetooth® device that supports HFP must be connected to the multimedia system.
- Registration of a driver is required to set a device as the primary device.

INFORMATION

A Bluetooth® device set as the primary device of another user cannot be set as the primary device.

- 1 Touch [] from the main menu.
- 2 Touch [Personal info].
- 3 Touch [Link devices] or [Change link devices] from the main area.

The device search screen will be displayed if there is no Bluetooth® device that can be set as the primary device. Search for the Bluetooth® device to set and newly register it to the multimedia system. After the device is newly registered, it can be set as the primary device.



- 4 Select the Bluetooth® device to be set as the primary device.

Disconnect the currently connected Bluetooth® device, then connect the primary device and secondary device.

Related Links

[Automatically connecting Bluetooth® devices\(P. 115\)](#)

[Setting Bluetooth® devices\(P. 100\)](#)

[Registering a user profile\(P. 50\)](#)

[Changing and registering a user profile\(P. 58\)](#)

[Registering a Bluetooth® device from the multimedia system\(P. 110\)](#)

*1 : This function is not available in some countries or areas.

Setting a Bluetooth® device as a secondary device*1

By setting a Bluetooth® device as a secondary device, it will be recognized as a secondary device when connected.

- The same Bluetooth® device cannot be set as a primary device and secondary device for a driver.
- A Bluetooth® device that supports HFP must be connected to the multi-media system.
- Registration of a driver is required to set a device as the secondary device.

1 Touch [] from the main menu.

2 Touch [Bluetooth & Devices] on the submenu.

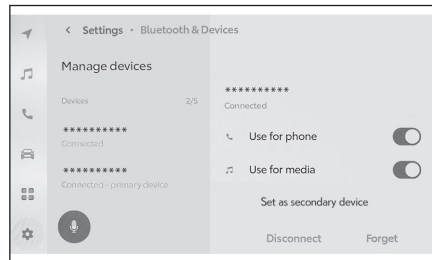
The device search screen will display if no Bluetooth® devices are registered. Register a Bluetooth® device.

3 Touch the Bluetooth® device to be set as the secondary device.

If the Bluetooth® device to be set is not listed, register the Bluetooth® device.

4 Touch [Set as secondary device] from the main area.

This will change to a cancel button if the device is already set as a secondary device.



Related Links

[Automatically connecting Bluetooth® devices\(P. 115\)](#)

[Setting Bluetooth® devices\(P. 100\)](#)

[Registering a user profile\(P. 50\)](#)

[Changing and registering a user profile\(P. 58\)](#)

*1 : This function is not available in some countries or areas.

Precautions when using Wi-Fi® devices

Pay special attention to the following information when using the Wi-Fi® of the multimedia system.

■ Users with pacemakers or other electrical medical devices

Observe the following precautions with regard to radio waves during Wi-Fi® communication.

WARNING

- Use Wi-Fi® devices only when safe and legal to do so.
- The vehicle antenna for Wi-Fi® communication is built into the multimedia system.
- People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the Wi-Fi® antennas.
The radio waves may affect the operation of such devices.
- Before using Wi-Fi® devices, users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves.
Radio waves could have unexpected effects on the operation of such medical devices.

■ Using Wi-Fi® and Bluetooth® simultaneously

The vehicle uses 2.4GHz Wi-Fi® which is the same frequency used by Bluetooth®. Using both Wi-Fi® and Bluetooth® simultaneously could cause interference to occur with each other which can result in poor performance or connection issues.

■ Things to know about Wi-Fi®

INFORMATION

- Performance may vary depending on various environmental and electrical factors.
- Use this function when connecting to a portable device. Connections to devices other than portable devices may be disconnected, depending on the environment.
- Leaving the Wi-Fi® area will disconnect communication.
- If the vehicle is near a radio antenna, radio station or other source of strong radio waves and electrical noise, communication may be slow or impossible.

- The communication speed may drop or it even may become impossible to use this service in certain usage environments. (Due to factors such as the wireless antenna location and any wireless devices being used nearby.)

Compatible Wi-Fi® communication protocols

IEEE 802.11b/g/n (2.4GHz)

IEEE 802.11a/n/ac (5GHz)*1

Compatible security protocols

- WEP
- WPA™
- WPA2™
- WPA3™

Related Links

[Precautions for playback of Miracast®\(P. 208\)](#)

[Precautions when using Bluetooth® devices\(P. 106\)](#)

[Status icons\(P. 20\)](#)

[Changing Wi-Fi® settings\(P. 98\)](#)

[About web browser \(Internet\) function\(P. 250\)](#)

*1 : This function is not available in some countries or areas.

Connecting to a network using Wi-Fi®*1

The multimedia system can be connected to the Internet by connecting to a Wi-Fi® network.

INFORMATION

- The reception level is displayed at the top of the screen.
- This function cannot be used while Apple CarPlay or Android Auto is connected wirelessly.
- Some smartphone models may require establishing a connection each time.
- If networks are detected while the Wi-Fi® function is on, automatic connection will prioritize connecting to the network with the most recent connection.

— Related Links —

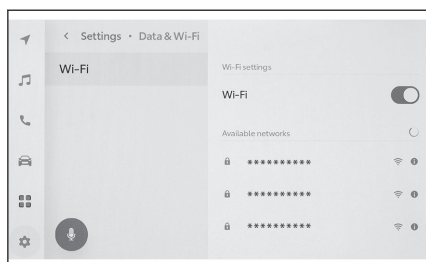
[Changing Wi-Fi® settings\(P. 98\)](#)

Connecting to Wi-Fi® using a smartphone

Refer to the following operation example to establish a Wi-Fi® connection using a smartphone that supports Wi-Fi® tethering. For details on setting up tethering, refer to documents such as the instruction manual for the smartphone. Some smartphone models may require establishing a connection each time.

- 1 Touch  from the main menu.
- 2 Touch [Wi-Fi] on the sub menu.
- 3 Set [Wi-Fi] in the main area to on.

- A message may be displayed depending on the multimedia system settings. Perform the operation according to the screen guidance.
- Turning on [Wi-Fi] will display near-by networks that are available.



- 4 Select the name of the network that matches the name being broadcasted by the smartphone.
 - Network name may display as duplicate when more than one MAC address shares the same network.
 - A maximum of 30 networks can be displayed. The list is automatically updated every six seconds.

*1 : This function is not available in some countries or areas.

- If there are devices using the same network name (Network SSID), it cannot identify which device to use. Use different network names (Network SSIDs) if using multiple devices.
- No selections can be made while driving.

5 Enter the corresponding password for this network.

- If no password is set, the connection will be made after selecting the network.
- If networks are detected with the automatic connection setting on, they will be connected to automatically.



INFORMATION

The network connection history retains up to 20 items, deleting the oldest when a new one is saved.

Establishing a Wi-Fi® connection to an available network

Connect to the Internet from a nearby network using Wi-Fi®.

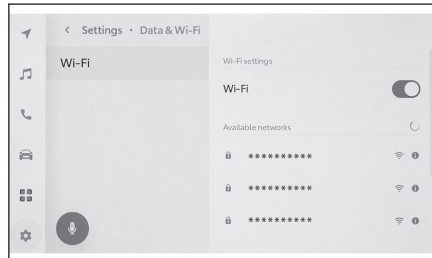
Confirm the password of the network to be used in advance.

1 Touch [] from the main menu.

2 Touch [Wi-Fi] on the sub menu.

3 Set [Wi-Fi] in the main area to on.

- A message may be displayed depending on the multimedia system settings. Perform the operation according to the screen guidance.
- Turning on [Wi-Fi] will display nearby networks that are available.



4 Touch the network to be connected to from [Available networks] in the main area.

Network name may display as duplicate when more than one MAC address shares the same network.

Network name may display as duplicate when more than one MAC address shares the same network.

A maximum of 30 networks can be displayed. The list is automatically updated every six seconds.

If there are devices using the same network name (Network SSID), it cannot identify which device to use. Use different network names (Network SSIDs) if using multiple devices.

No selections can be made while driving.

Touch [] for the applicable network to check network details.

5 Enter the corresponding password for this network.

- If no password is set, the connection will be made after selecting the network.

3-2. Connecting to a Wi-Fi® network

- If networks are detected with the automatic connection setting on, they will be connected to automatically.

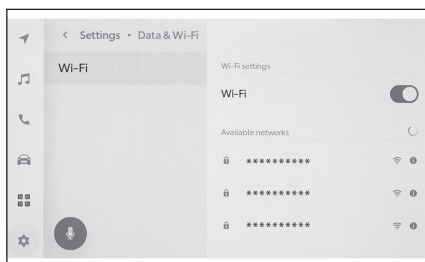
INFORMATION

The network connection history retains up to 20 items, deleting the oldest when a new one is saved.

Disconnecting Wi-Fi®

Wi-Fi® can be disconnected by turning off the Wi-Fi® function.

- 1 Touch [] from the main menu.
- 2 Touch [Wi-Fi] on the sub menu.
- 3 Set [Wi-Fi] in the main area to off.



Precautions when using Apple CarPlay and Android Auto

Apple CarPlay and Android Auto allow for some applications (such as map, phone, and music applications) to be used by the multimedia system. While connected to Apple CarPlay or Android Auto, supported applications will display. Pay special attention to the following information when using Apple CarPlay or Android Auto.

To use Android Auto in your car, install the Android Auto app from Google's Play Store.

Compatible devices

- Apple iPhone devices that support Apple CarPlay. (iOS Ver. 13.3 or later)
For the supported devices, check <https://www.apple.com/ios/carplay/>.^{*1}
- Android devices that supports Android Auto.
For the supported devices, check <https://www.android.com/auto/>.^{*1}

WARNING

For safety reasons, drivers should not operate the smartphone itself while driving.

NOTICE

- Do not leave the smartphone inside the vehicle. The inside of the vehicle can become hot, which could cause the smartphone to malfunction.
- Do not push down on or subject the smartphone to unnecessary pressure while it is connected. The smartphone or port may be damaged.
- Keep the USB Type-C port free of foreign matter. The smartphone or port may be damaged.

INFORMATION

- For USB connections, use a data USB Type-C cable provided by the phone manufacturer.
- Some system button functions will change while connected to Apple CarPlay or Android Auto.
- When connected via Apple CarPlay/Android Auto, some related functions like Bluetooth® audio and phone will be managed by Apple CarPlay/Android Auto.
- The Bluetooth® function cannot be used by the multimedia system while Apple CarPlay is connected wirelessly in some countries or areas.
- Starting Apple CarPlay or Android Auto while using Miracast® may stop Miracast®.

^{*1} : Operation is not guaranteed.

- The guidance volume can be changed on the **[Sound & Media]** settings screen. It can also be changed using the audio system volume adjustment.
- While Apple CarPlay or Android Auto of a device is connected, Apple CarPlay or Android Auto of a different device cannot be used.
- Apple CarPlay/Android Auto is an application developed by Apple Inc/Google LLC. Its functions and services may be terminated or changed without notice depending on the connected device's operation system, hardware and software, or due to changes in Apple CarPlay/Android Auto specifications.
- For applications that support Apple CarPlay or Android Auto, refer to the respective website.
- While using Apple CarPlay or Android Auto, vehicle and user information such as the location and vehicle speed will be shared with the application publisher and cellular phone service provider.
- Downloading and using an application signifies your consent with its terms of use.
- Data is sent over the Internet and may result in charges being incurred. For information on data rates, contact the cellular phone service provider.
- Some functions including music playback may be restricted, depending on the application.
- Each function is an application provided by its respective company, and may be changed or suspended without prior notice. For details, refer to the website for the respective function.
- If the vehicle's navigation system is being used during route guidance and a new route is set using the Apple CarPlay or Android Auto map app, route guidance using the vehicle's navigation system will stop. If the Apple CarPlay or Android Auto map app is being used during route guidance and a new route is set using the vehicle's navigation system, route guidance using the Apple CarPlay or Android Auto map app will stop.
- Devices connected via Apple CarPlay cannot use Bluetooth® functions.
- Devices connected via Android Auto cannot use Bluetooth® functions other than hands-free calling.
- In case of USB connection, if the USB Type-C cable is unplugged while connected via USB, Apple CarPlay or Android Auto will stop operating. Audio output will stop and the screen will switch to the multimedia system screen.
- Even if Android Auto is disconnected, the hands-free phone system can be used because the phone will still be connected.

Related Links

[Changing sound and media settings\(P. 92\)](#)

[Audio system ON/OFF and volume adjustment\(P. 34\)](#)

[Precautions for playback of iPod/iPhone\(P. 194\)](#)

Precautions for playback of Apple CarPlay(P. 197)

Precautions for playback of Android Auto(P. 200)

Precautions for playback of Miracast®(P. 208)

Precautions when using Bluetooth® devices(P. 106)

Precautions when using Wi-Fi® devices(P. 120)

Precautions for Bluetooth® audio playback(P. 204)

Using Apple CarPlay with an unregistered smartphone

Apple CarPlay can be used by connecting an unregistered smartphone to the multimedia system. The procedure is different for registered smartphones.

This function is not available in some countries or areas.

— Related Links —

[Using Apple CarPlay with a registered smartphone\(P. 131\)](#)

Using Apple CarPlay with a USB connection

Apple CarPlay can be used by connecting a smartphone to the multimedia system using a data USB Type-C cable.

1 Enable Siri from your smartphone's settings menu.

2 Connect the smartphone to the USB Type-C port.

The Apple CarPlay home screen is displayed.

- It may take around three to six seconds to return to the original screen, depending on the smartphone being connected.
- If guidance is displayed on the smartphone screen, follow those operation instructions.

3 Operate Apple CarPlay.

iPhone applications that support Apple CarPlay can be used by touching the application.



Displays the multimedia system screen.

To display the Apple CarPlay home screen again, touch [] from the main menu.

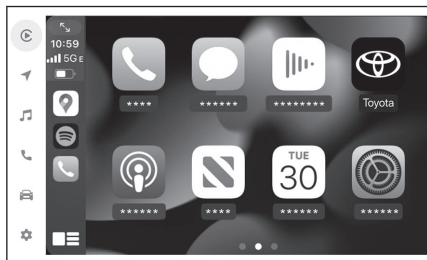


Switch the screen display.

Touching and holding this will start Siri.



Show or hide the main menu of the multimedia system screen.



 INFORMATION

- While Apple CarPlay is connected, press and hold the [] switch on the steering to start Siri. To cancel Siri, perform a short press of the [] switch on the steering.
- While Apple CarPlay is connected, speaking the Siri wake word will start Siri. The wake word function of Siri can only be used when the language is set to English/German/French/Spanish/Italian. Also, the connected device must have iOS version 14.3 or later.
- If wireless connection is set to be used on the smartphone when registered via USB connection, the device can be wirelessly connected on the next attempt.

Related Links[Connecting a device via the USB Type-C port\(P. 38\)](#)[Voice control system\(P. 39\)](#)[Changing the voice control settings\(P. 69\)](#)**Using Apple CarPlay with wireless connection**

Apple CarPlay can be connected to the multimedia system wirelessly using vehicle's wireless connection capability.

- 1 Enable Siri from your smartphone's settings menu.**
- 2 Touch [] from the main menu.**
- 3 Touch [Bluetooth & Devices].**
 - The device search screen will be displayed if there is no smartphone registered to the multimedia system. Proceed to Procedure 5.
- 4 Touch [Add another device].**
- 5 Touch [If not found].**
- 6 Select the smartphone to register.**
- 7 Check that the displayed PIN code matches the PIN code displayed on the smartphone, and then touch [OK].**
 - Perform the operation according to the guidance on the screen.
- 8 If Apple CarPlay settings are displayed, touch [Yes].**

The Apple CarPlay home screen is displayed.

 - It may take around three to six seconds to return to the original screen, depending on the smartphone being connected.
 - If an operation failed screen is displayed, follow the operation instructions on the screen.

3-3. Using Apple CarPlay and Android Auto

- If guidance is displayed on the smartphone screen, follow those operation instructions.

9 Operate Apple CarPlay.

iPhone applications that support Apple CarPlay can be used by touching the application.



Displays the multimedia system screen.

To display the Apple CarPlay home screen again, touch [] from the main menu.

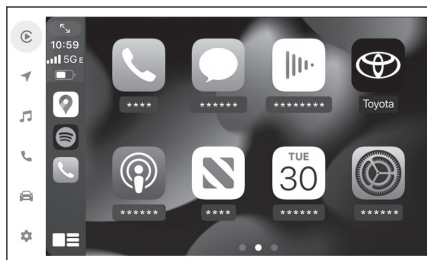


Switch the screen display.

Touching and holding this will start Siri.



Show or hide the main menu of the multimedia system screen.



INFORMATION

- While Apple CarPlay is connected, press and hold the [] switch on the steering to start Siri. To cancel Siri, perform a short press of the [] switch on the steering.
- While Apple CarPlay is connected, speaking the Siri wake word will start Siri. The wake word function of Siri can only be used when the language is set to English/German/French/Spanish/Italian. Also, the connected device must have iOS version 14.3 or later.

Related Links

[Voice control system\(P. 39\)](#)

[Changing the voice control settings\(P. 69\)](#)

Using Apple CarPlay with a registered smartphone

Apple CarPlay can be used by connecting a registered smartphone to the multimedia system. The procedure is different for unregistered smartphones.

This function is not available in some countries or areas.

Related Links

[Using Apple CarPlay with an unregistered smartphone\(P. 128\)](#)

Using Apple CarPlay with a USB connection

Apple CarPlay can be used by connecting a smartphone to the multimedia system using a data USB Type-C cable.

- Check that your smartphone is connected to multimedia system.

1 Enable Siri from your smartphone's settings menu.

2 Connect the smartphone to the USB Type-C port.

The Apple CarPlay home screen is displayed.

- It may take around three to six seconds to return to the original screen, depending on the smartphone being connected.
- If an operation failed screen is displayed, follow the operation instructions on the screen.
- If guidance is displayed on the smartphone screen, follow those operation instructions.
- If the Apple CarPlay home screen is not displayed, check the following.
 - Touch [] from the main menu.
 - If [] of the main menu is not displayed, select the smartphone to use with Apple CarPlay and set [Use for Apple CarPlay] to ON.

3 Operate Apple CarPlay.

iPhone applications that support Apple CarPlay can be used by touching the application.

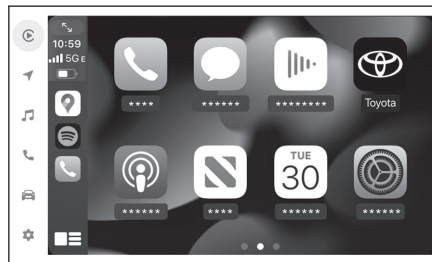


Displays the multimedia system screen.

To display the Apple CarPlay home screen again, touch [] from the main menu.



Switch the screen display.



Touching and holding this will start Siri.



Show or hide the main menu of the multimedia system screen.



INFORMATION

- While Apple CarPlay is connected, press and hold the [] switch on the steering to start Siri. To cancel Siri, perform a short press of the [] switch on the steering.
- While Apple CarPlay is connected, speaking the Siri wake word will start Siri. The wake word function of Siri can only be used when the language is set to English/German/French/Spanish/Italian. Also, the connected device must have iOS version 14.3 or later.

Related Links

[Connecting a device via the USB Type-C port\(P. 38\)](#)

[Voice control system\(P. 39\)](#)

[Changing the voice control settings\(P. 69\)](#)

[Setting Bluetooth® devices\(P. 100\)](#)

Using Apple CarPlay with wireless connection

Apple CarPlay can be connected to the multimedia system wirelessly using vehicle's wireless connection capability.

- Check that your smartphone is connected to multimedia system.

1 Enable Siri from the settings menu on the smartphone.

2 Touch [] from the main menu.

3 Touch [Bluetooth & Devices].

4 Select the smartphone to use with Apple CarPlay and set [Use for Apple CarPlay] to ON.

The Apple CarPlay home screen is displayed.

- It may take around three to six seconds to return to the original screen, depending on the smartphone being connected.
- If an operation failed screen is displayed, follow the operation instructions on the screen.
- If guidance is displayed on the smartphone screen, follow those operation instructions.
- If the Apple CarPlay home screen is not displayed, Touch [] from the main menu.

5 Operate Apple CarPlay.

iPhone applications that support Apple CarPlay can be used by touching the application.



Displays the multimedia system screen.

To display the Apple CarPlay home screen again, touch [] from the main menu.



Switch the screen display.

Touching and holding this will start Siri.



Show or hide the main menu of the multimedia system screen.



INFORMATION

- While Apple CarPlay is connected, press and hold the [] switch on the steering to start Siri. To cancel Siri, perform a short press of the [] switch on the steering.
- While Apple CarPlay is connected, speaking the Siri wake word will start Siri. The wake word function of Siri can only be used when the language is set to English/German/French/Spanish/Italian. Also, the connected device must have iOS version 14.3 or later.

Related Links

[Voice control system\(P. 39\)](#)

[Changing the voice control settings\(P. 69\)](#)

[Setting Bluetooth® devices\(P. 100\)](#)

Using Android Auto with an unregistered smartphone

Android Auto can be used by connecting an unregistered smartphone to the multimedia system. The procedure is different for registered smartphones.

This function is not available in some countries or areas.

Related Links

[Using Android Auto with a registered smartphone\(P. 137\)](#)

Using Android Auto with a USB connection

Android Auto can be used by connecting a smartphone to the multimedia system using a data USB Type-C cable.

1 Confirm that the Android Auto application is installed on the smartphone to connect.

2 Connect the smartphone to the USB Type-C port.

The Android Auto home screen is displayed.

- It may take around three to six seconds to return to the original screen, depending on the smartphone being connected.
- If guidance is displayed on the smartphone screen, follow those operation instructions.

3 Operate Android Auto.

Applications that support Android Auto can be used by touching the application.

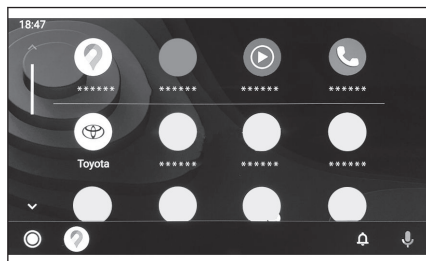


Displays the multimedia system screen.

To display the Android Auto home screen again, touch [] from the main menu.



Start Google Assistant™.



INFORMATION

While Android Auto is connected, press and hold the [] switch on the steering to start Google Assistant™. To cancel Google Assistant™, perform a short press of the [] switch on the steering.

Related Links

[Connecting a device via the USB Type-C port\(P. 38\)](#)

Using Android Auto with wireless connection*1

Android Auto can be connected to the multimedia system wirelessly using vehicle's wireless connection capability.

- 1 **Confirm that the Android Auto application is installed on the smartphone to connect.**

- 2 **Touch [] from the main menu.**

- 3 **Touch [Bluetooth & Devices].**

The device search screen will be displayed if there is no smartphone registered to the multimedia system. Proceed to Procedure 5.

- 4 **Touch [Add another device].**

- 5 **Touch [If not found].**

- 6 **Select the smartphone to register.**

- 7 **Check that the displayed PIN code matches the PIN code displayed on the smartphone, and then touch [OK].**

● Perform the operation according to the guidance on the screen.

- 8 **If Android Auto settings are displayed, touch [Yes].**

The Android Auto home screen is displayed.

● It may take around three to six seconds to return to the original screen, depending on the smartphone being connected.

● If an operation failed screen is displayed, follow the operation instructions on the screen.

- 9 **Operate Android Auto.**

Applications that support Android Auto can be used by touching the application.

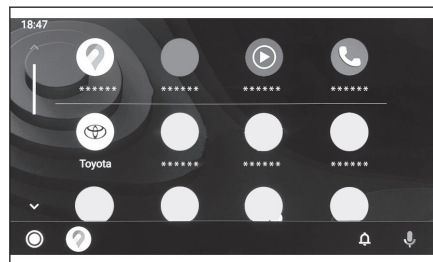


Displays the multimedia system screen.

To display the Android Auto home screen again, touch [] from the main menu.



Start Google Assistant™.



*1 : This function is not available in some countries or areas.



INFORMATION

While Android Auto is connected, press and hold the [] switch on the steering to start Google Assistant™. To cancel Google Assistant™, perform a short press of the [] switch on the steering.

Using Android Auto with a registered smartphone

Android Auto can be used by connecting a registered smartphone to the multimedia system. The procedure is different for unregistered smartphones.

This function is not available in some countries or areas.

Related Links

[Using Android Auto with an unregistered smartphone\(P. 134\)](#)

Using Android Auto with a USB connection

Android Auto can be used by connecting a smartphone to the multimedia system using a data USB Type-C cable.

- Check that your smartphone is connected to multimedia system.
- 1 **Confirm that the Android Auto application is installed on the smartphone to connect.**
- 2 **Connect the smartphone to the USB Type-C port.**

The Android Auto home screen is displayed.

- It may take around three to six seconds to return to the original screen, depending on the smartphone being connected.
- If an operation failed screen is displayed, follow the operation instructions on the screen.
- If guidance is displayed on the smartphone screen, follow those operation instructions.
- If the Android Auto home screen is not displayed, check the following.
 - Touch [] from the main menu.
 - If [] of the main menu is not displayed, select the smartphone to use with Android Auto and set [Use for Android Auto] to ON.

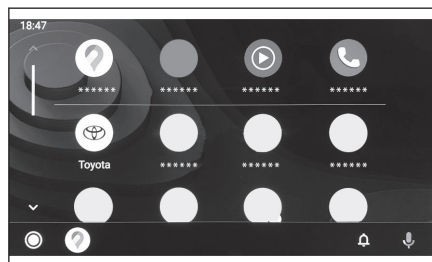
3 Operate Android Auto.

Applications that support Android Auto can be used by touching the application.



Displays the multimedia system screen.

To display the Android Auto home screen again, touch [] from the main menu.





Start Google Assistant™.



INFORMATION

While Android Auto is connected, press and hold the [] switch on the steering to start Google Assistant™. To cancel Google Assistant™, perform a short press of the [] switch on the steering.

Related Links

[Connecting a device via the USB Type-C port\(P. 38\)](#)

[Setting Bluetooth® devices\(P. 100\)](#)

Using Android Auto with wireless connection*1

Android Auto can be connected to the multimedia system wirelessly using vehicle's wireless connection capability.

- Check that your smartphone is connected to multimedia system.
- 1 **Check the wireless Android Auto password in the Bluetooth® settings.**
 - When you want to change the password, touch [**Setup secure password**] in the Bluetooth® settings.
- 2 **Confirm that the Android Auto application is installed on the smartphone to connect.**
- 3 **Touch [] from the main menu.**
- 4 **Touch [Bluetooth & Devices].**
- 5 **Select the smartphone to use with Android Auto and set [Use for Android Auto] to ON.**

The Android Auto home screen is displayed.

- It may take around three to six seconds to return to the original screen, depending on the smartphone being connected.
- If an operation failed screen is displayed, follow the operation instructions on the screen.
- If guidance is displayed on the smartphone screen, follow those operation instructions.
- If the Android Auto home screen is not displayed, touch [] from the main menu.

*1 : This function is not available in some countries or areas.

6 Operate Android Auto.

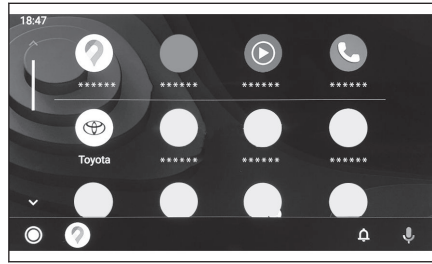
Applications that support Android Auto can be used by touching the application.



Displays the multimedia system screen.



Start Google Assistant™.



INFORMATION

While Android Auto is connected, press and hold the [] switch on the steering to start Google Assistant™. To cancel Google Assistant™, perform a short press of the [] switch on the steering.

— Related Links —

[Setting Bluetooth® devices\(P. 100\)](#)

When Apple CarPlay or Android Auto might be malfunctioning

If having trouble with Apple CarPlay or Android Auto, check the following table first.

Symptom	Solution
Apple CarPlay or Android Auto does not start.	Confirm that the smartphone being connected supports Apple CarPlay or Android Auto. Confirm that Apple CarPlay or Android Auto is enabled on the smartphone. Confirm that the Android Auto application is installed on the smartphone being connected. For details, refer to the following URL. ● Apple CarPlay: https://www.apple.com/ios/carplay/ ● Android Auto: https://www.android.com/auto/
	Confirm that the Apple CarPlay or Android Auto function on the registered smartphone is turned on in the multimedia system.
	If connecting with a USB Type-C cable, confirm that the USB Type-C cable is securely connected to the smartphone and the USB Type-C port. Connect the smartphone directly to the USB Type-C port. Do not use a USB hub. Make sure the correct USB Type-C port is used to connect Apple CarPlay and Android Auto. USB Type-C port used exclusively for charging cannot be used for smartphone apps. Wireless charger used for wireless charging will not start wireless Apple CarPlay/Android Auto connection. For an Apple CarPlay wireless connection, check the following items. ● Confirm that the smartphone can be connected via Bluetooth® to the multimedia system. ● Confirm that the smartphone is set to be able to use Wi-Fi®. For Apple CarPlay: Confirm that the Lightning cable being used is Apple-certified. Confirm that Siri is enabled. The smartphone linking function cannot be used with a charging-only USB Type-C cable. Use a cable capable of transferring data. Some cables may not be supported.

Symptom	Solution
Apple CarPlay or Android Auto does not start.	Recommended USB Type-C cable requirements are listed below. ● iPhone: Use an official Apple USB Type-C cable or a USB Type-C cable that has been Apple MFi certified. ● Android: Use a cable that is 1.8 m (6 ft.) or shorter, and do not use an extension cable. ● Use a cable displaying the USB logo . If the smartphone linking function worked previously but no longer works, replacing the USB Type-C cable may resolve the issue. After checking all of the above, connect Apple CarPlay or Android Auto.
When an Apple CarPlay/Android Auto connection is established and a video is being played, the video is not displayed, but audio is output through the system.	As the system is not designed to play video through Apple CarPlay/Android Auto, this is not a malfunction.
Audio is not outputted.	The volume of the multimedia system may be muted or set too low. Increase the volume on the multimedia system.
	Make sure Apple supported apps are used for Apple CarPlay and Google supported apps are used for Android Auto. Playing music from web browser will lead to no or improper audio output.
The screen flickers and audio is noisy.	Check whether the USB Type-C cable connected to the multimedia system is damaged. To check whether there is internal damage to the USB Type-C cable, connect the smartphone to another system such as a PC, then confirm that charging starts and that it is recognized by the system.
	Replace the USB Type-C cable with another cable.
The map display cannot be enlarged or shrunk using the Apple CarPlay map app.	Pinch operations are not supported for the Apple CarPlay map app.
The Apple CarPlay screen is shown in the center and does not fill up the whole display.	Full-screen display is supported on iOS Ver. 10 or later. Update to the latest iOS version.

3-3. Using Apple CarPlay and Android Auto

Symptom	Solution
During Apple CarPlay music app playback, if an application that is not compatible with Apple CarPlay ⁽¹⁾ is started on the iPhone and audio is output and then the volume is changed on the multimedia system, the audio of the incompatible application stops and the system resumes playback on the original music application.	This operation is in accordance with the specifications of the multimedia system, and is not a malfunction.
During audio playback on the multimedia system (such as FM), if interrupt audio is output from an app that is not compatible with Apple CarPlay ⁽¹⁾ , the system does not return to the original audio source.	This operation is in accordance with the specifications of the multimedia system, and is not a malfunction. Manually change the audio source. Alternatively, avoid using apps that are not compatible with Apple CarPlay ⁽¹⁾ . Some navigation apps are compatible beginning with iOS 12. Update iOS and apps to the latest versions.
While using Apple CarPlay, the route guidance arrow and turn-by-turn navigation are not displayed on the multi-information display.	Depending on specifications with the multi-information display, this operation may not be displayed.
While using Android Auto, turn-by-turn navigation is not displayed on the multi-information display or the multimedia system screen.	
While using Android Auto, hands-free call audio cannot be heard from the vehicle's speakers.	End current call. Disconnect the USB Type-C cable from the smartphone and try using hands-free calling. Check whether audio can be heard now.
	Increase the volume on the multimedia system and check whether hands-free call audio can be heard. Try using another smartphone. Check whether audio can be heard now.
The phone was connected after Android Auto was stopped.	This operation is in accordance with the specifications of the multimedia system, and is not a malfunction.

- (1) Apps that are not compatible with Apple CarPlay are the apps installed on an iPhone that are not displayed in the app list on the Apple CarPlay screen.

Related Links

[Setting Bluetooth® devices\(P. 100\)](#)

[Connecting a device via the USB Type-C port\(P. 38\)](#)

[Audio system ON/OFF and volume adjustment\(P. 34\)](#)

[Connecting with a Bluetooth® device\(P. 114\)](#)

[Changing sound and media settings\(P. 92\)](#)

[Notes for operating the touch screen\(P. 23\)](#)

4-1. Navigation system

- About the use of map information provision services using Wi-Fi® **146**
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4-2. Map information

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4-6. Map update

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About the use of map information provision services using Wi-Fi®

- Services which use Wi-Fi® (herein referred to as "these services") can be used for free within a certain validity period*¹ which begins when the vehicle which this multimedia system is installed is first purchased.
- These services include those provided by third-party service providers as follows.
 - Traffic congestion information: The time when the vehicle is connected, etc., and position information is sent to TomTom Global Content B.V. (herein referred to as "TomTom"). Based on the information received, TomTom will provide online services, including sending of traffic congestion information, which is displayed on this multimedia system.
 - Facility information/nearby information: Searched for facility names and position information will be sent to HERE Global B.V. (herein referred to as "HERE"). Based on the information received, HERE provides online services, including sending of facility information and nearby information, which is displayed on this multimedia system.
- To use these services, after connecting the multimedia system to a Wi-Fi® access point and acknowledging the precautions, privacy policy, or terms of service for each service provider*² displayed on the screen, touch **[Agree]** on the pop up screen.

TomTom	https://www.tomtom.com/en_gb/legal/eula-automotive/ https://www.tomtom.com/en_us/privacy/
HERE	https://legal.here.com/terms/ https://legal.here.com/privacy/policy

- Toyota Motor Corporation and its affiliates do not guarantee the operation, quality, accuracy of information provided, or make any other guarantees regarding these services, and are not liable for any damages to the user caused by the content of, delays in, or interruption of these services. Services provided through this multimedia system may be subject to change, discontinuation, or suspension without notice.

*¹ : The expiration date can be checked on the navigation system settings screen. For details, refer to the navigation system settings screen. If you wish to continue using the services after the expiration date, contact your Toyota dealer.

*² : For the terms of service for the services of each service provider, refer to the following URL.

Connected navigation^{*1}

Connected navigation is a wireless communication based navigation service using updated map data and destination information obtained from the Toyota Smart Center. To use this service, it is necessary to enter a Toyota Smart Center subscription contract.

- Displays updated map, obtained from the Toyota Smart Center, of the area near your current location. During the route guidance, obtains updated map of the area along the route.
- The Toyota Smart Center searches for the optimum route on a regular basis, including while the route guidance is taking place, and proposes a new route if more time-saving route to the destination is found.

Connected navigation (with built-in navigation system)

As the vehicle device has navigation map data, this service uses it in areas where it is not possible to communicate with the Toyota Smart Center and displays the vehicle navigation map and searches for routes. When the vehicle enters a good communication environment, communication with the Toyota Smart Center will begin automatically, and the connected navigation will display the map and search for routes.

INFORMATION

- When a destination is set, a route will automatically be searched for by the Toyota Smart Center. Routes sent from the Toyota Smart Center are indicated by .
- When a Toyota Smart Center subscription contract has not been entered, the vehicle navigation system is available for map display and route guidance.

Connected navigation (without built-in navigation system)

As the vehicle device does not have navigation map data, this service displays temporarily stored map in areas where it is not possible to communicate with the Toyota Smart Center. Navigation functions, such as route search, may not be able to be used in a poor communication environment.

INFORMATION

- When a Toyota Smart Center subscription contract has not been entered, navigation functions are not available, and the compass screen will be displayed.
- Temporarily stored map is available for square area of side approx. 80 km (50 mile) centered around your vehicle and area along the route (when a destination is set). If poor communication status persists for a certain period in

^{*1} : This function is not available in some countries or areas.

4-1. Navigation system

the area outside of the map stored area, the navigation functions will be limited further, such as the map not being able to be displayed.

Displaying information for a point

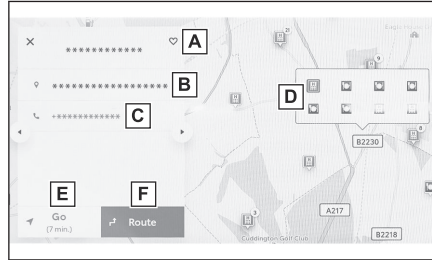
Information for a selected point or POI on the map screen can be checked.

1 Touch POI or touch and hold a desired point.

If a desired point is selected, the address for the point will be displayed. Touch [] to register the selected point as a favorite.

2 Touch the desired item.

- A** Touch to register the point as a favorite.
- B** Displays detailed the address for the selected point.
- C** Touch to call the phone number registered to the POI.
- D** If multiple POIs exist at the same point, a list of POIs will be displayed.



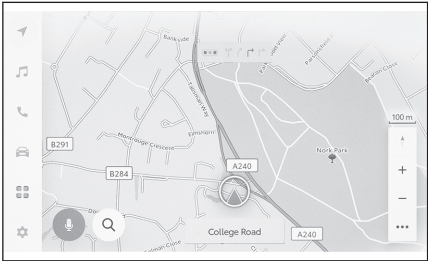
Touch a POI to display its information. The displayed information can be changed by touching [] or [].

- E** Touch to set the point as a destination and start route guidance.
- F** Touch to set the point as a destination and display the full route map screen. If another destination has already been set, destinations can be added as waypoints.

Map options screen

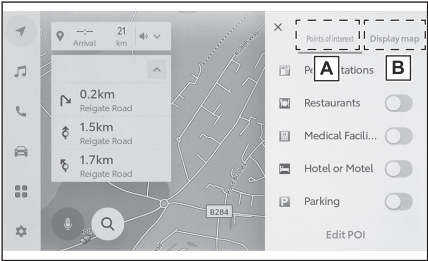
Information displayed on the map, such as POI icons, traffic information, etc., can be set.

1 Touch [...] on the map screen.



2 Touch [Points of interest] or [Display map].

- A The POI icons displayed on the map can be set.
- B The information displayed on the map can be set.



Related Links

[Displaying POI icons\(P. 151\)](#)

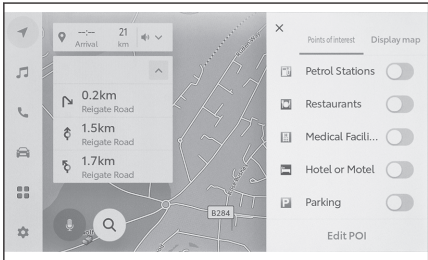
[Map display settings\(P. 153\)](#)

Displaying POI icons

POI icons, such as for restaurant, etc., can be displayed on the map.

- 1 Touch [] on the map screen.
- 2 Touch [Points of interest].
- 3 Touch the POI you wish to display on the map screen.

To set a genre of POI other than those displayed, touch [Edit POI].



INFORMATION

- POIs which are not included in the map data cannot be displayed.
- When the map scale is set to higher than 1km (0.6miles) POIs will not be displayed.
- Only POIs which are within an approximately 10 km (6miles) radius of the current position mark [] or [] can be displayed (Up to 200 POIs).
- When the map scale is set to 800 m (0.5 miles) or lower, instead of densely displaying each POIs whose category(ies) are set to be displayed , a POI icon in an area will be displayed as a representative image. (This will make roads on the map easier to see.)
The displayed icon will show the number of POIs it represents at the top right corner of the icon (example:[]). Touch the icon to display all of them.
- The display of nearby POIs can also be set on the detailed navigation settings screen.

Related Links

[Changing the map display settings\(P. 79\)](#)

Setting displayed POI icons

Changes to options is limited while driving.

- 1 Touch [] on the map screen.
- 2 Touch [Points of interest].
- 3 Touch [Edit POI].

4-2. Map information

- 4 Touch the registered POI you wish to replace.
- 5 Touch a new POI to register.

Map display settings

Traffic information, etc. can be displayed on the map screen.

1 Touch [] on the map screen.

2 Touch [Display map].

A Touch to change the display of traffic information between displayed/hidden.*1

B Touch to change the display of nearby on street parking between displayed/hidden.*1

C Touch to change the display of Motorway exits between displayed/hidden.

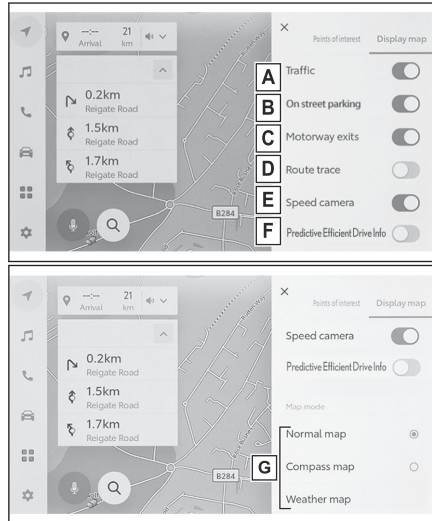
D Touch to change the display of the driven route (route trace) between displayed/hidden.

When changed to hidden, a pop-up asking to confirm the deletion of stored information will be displayed.

E Touch to change the display of speed camera between displayed/hidden.*1*2

F Touch to change the display of Predictive Efficient Drive between displayed/hidden.*1*2

G Touch to change the map display to Normal map, Compass map, or Weather map.



Related Links

[On street parking\(P. 153\)](#)

[Displaying the driven route \(route trace\)\(P. 154\)](#)

[Speed cameras\(P. 154\)](#)

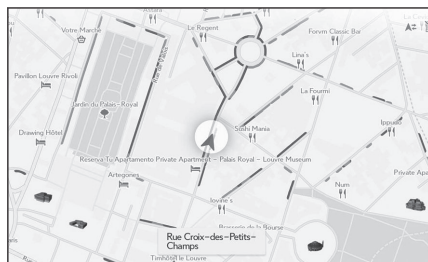
[Traffic Information\(P. 155\)](#)

On street parking*2

If [On street parking] is set to on in the map display settings, on street parking near the vehicle will be displayed.

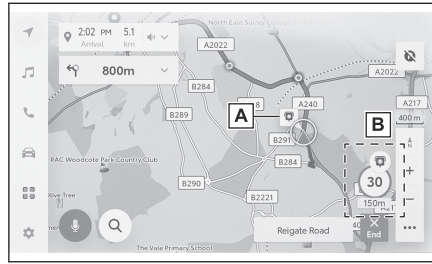
*1 : If equipped

*2 : This function is not available in some countries or areas.



- ### Displaying the driven route (route trace)

- A Speed camera location on the map.
- B Displays information about the speed camera icon and distance to speed camera.



INFORMATION

- The above items will be displayed depending on the map scale.
- The above items will be displayed depending on the available map data.
- The displaying of the above items can be switched off.
- Depending on content management conditions, the actual location of cameras may not be displayed.

Related Links

[Guidance settings\(P. 86\)](#)

Traffic Information*1

Traffic data can be received via IP-Traffic to display traffic information on the map screen.

To use this function, it is necessary for the Toyota Smart Center usage contract.

- 1 Touch [] on the map screen.
- 2 Touch [Display map].
- 3 Touch [Traffic].

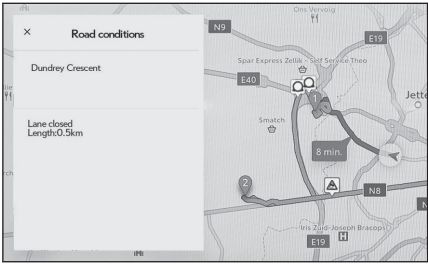
Traffic information will be displayed on the map screen.

- Icons are used to indicate traffic information, such as construction and accidents.
- The arrows indicate the flow of traffic. The color changes depending on the speed.

If the traffic incident icon is selected, details about the selected traffic incident can be displayed.



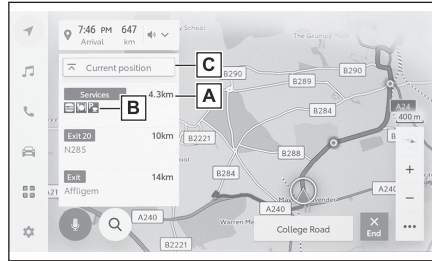
*1 : This function is not available in some countries or areas.



Highway mode

When a highway or expressway is entered, the display will automatically change to the highway mode display.

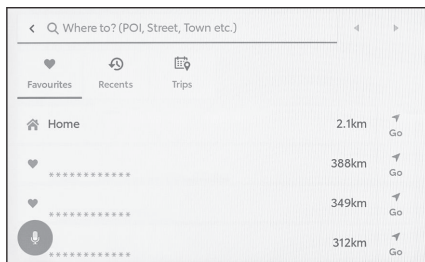
- A** Displays the distance from the vehicle's current position.
- B** Displays up to 6 POIs for a facility.
- C** When the displayed segment has been changed, touch to return the map to the segment being driven on.



Searching for a destination

A destination can be searched for and set on the destination search screen.

- 1 Touch [] on the map screen.
- 2 The destination search screen will be displayed. Touch the desired search method.



- 3 The search result list screen is displayed. Touch the item you want to set as the destination from the list.
 - If a destination has already been set, touch **[New destination]** (set a new destination) or **[Add to route]**.
 - When using Connected navigation, destinations can also be searched for using content on the cloud.

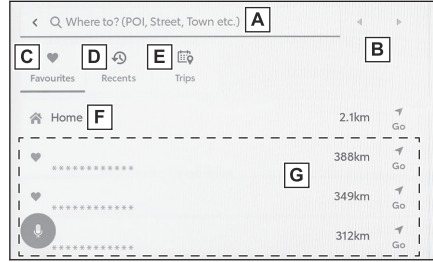
Related Links

[Editing waypoints\(P. 172\)](#)

[Searching for information using the keyboard\(P. 47\)](#)

Destination search screen

- A** Touch to search using a location name, address, or phone number.
- B** Touch to move the text cursor.
- C** Touch to display a list of all points registered as a favorites.
This can only be used if a point has been registered as a favorite.
- D** Touch to display a list of all points from the destination history (previously set destinations).
This can only be used if destination history exists.
- E** Touch to display a list of the destinations of the Drive Plan sent in advance from a smartphone.*1
- F** Starts a route search with your home as the destination.
If a home is not registered, it can be registered by touching [🏠].
- G** If the name of a destination is touched, the full route map screen will be displayed. Touch [Go] to start route guidance immediately.



Related Links

[Searching through character entry\(P. 159\)](#)

[Searching through destination history\(P. 161\)](#)

[Searching through Drive Plan\(P. 161\)](#)

[Setting home as destination\(P. 160\)](#)

[Setting a favorite as the destination\(P. 160\)](#)

Searching through character entry

A destination can be searched for by entering a location name, address, or phone number.

- 1 Touch [🔍] on the map screen.**
- 2 Touch [Where to? (POI, Street, Town etc.)].**
- 3 Enter the location name, address, phone number, etc. and touch [Go].**
 - Potential destinations are searched for and displayed with each entered character.

*1 : This function is not available in some countries or areas.

4-3. Destination search operation

- According to the input characters and based on previously searched for terms, the destination history, and favorites, predictive search terms will be displayed.
- If a search does not turn up any results due to a possible typo, a potentially correct search term will be displayed.
- If the number of input characters exceeds the character limit, the excess characters will be deleted.

Related Links

[Entering letters and numbers\(P. 27\)](#)

Setting up home

- 1 Touch [] on the map screen.
- 2 Touch [].
- 3 Move the map to the location you wish to register and touch [OK].

Setting home as destination

- 1 Touch [] on the map screen.
- 2 Touch [].
Touch [Go] to start route guidance immediately.

Related Links

[Favorites settings\(P. 89\)](#)

Setting a favorite as the destination

- 1 Touch [] on the map screen.
- 2 Touch the desired favorite.
If the name of a destination is touched, the full route map screen will be displayed.
Touch [Go] to start route guidance immediately.

INFORMATION

Registered favorite points can also be searched for by entering their name.

Related Links

[Favorites settings\(P. 89\)](#)

Searching through destination history

- 1 Touch [] on the map screen.
- 2 Touch [Recents].
- 3 Touch the desired destination from the destination history.
If the name of a destination is touched, the full route map screen will be displayed.
Touch [Go] to start route guidance immediately.

Searching through Drive Plan^{*1}

When a drive plan (destination, departure time, etc.) has been set using a smartphone, the vehicle navigation system is notified of the drive plan after entering the vehicle, and a destination can be set by selecting the registered drive plan.

To use this function, a driver must be registered.

- 1 Touch [] on the map screen.
- 2 Touch [Trips].
- 3 Touch the desired Drive Plan.
If the name of a destination is touched, the full route map screen will be displayed.
Touch [Go] to start route guidance immediately.



INFORMATION

If the vehicle is parked far from the destination, the destination set in the vehicle navigation system can be sent to the smartphone navigation application.

Related Links

[Registering a user profile\(P. 50\)](#)

^{*1} : This function is not available in some countries or areas.

4-3. Destination search operation

Search result list screen

When searching for a destination, if there are multiple search results, a destination list will be displayed.

- A** Touch to return to the previous screen.
- B** Displays the input characters for the search.
- C** Touch to display the search options.
- D** Displays a list of search results.
Potential destinations within a location will also be displayed.
- E** Displays the position of the items in the currently displayed list on the map.



- After scrolling the map, if **[Search this area]** is touched, a destination can be searched for within the area scrolled to.

Search options

The displayed range and order of the search result list can be changed.

- 1 Touch **[≡]** on the search result list screen.
- 2 Set search options.
- 3 Touch **[Complete]** to complete changing settings.

Adding a waypoint

If a destination has already been set, new destinations can be added as waypoints.

● With a destination already set, search for a destination.

A message is displayed when you try to set a destination.

- **[New destination]** : Delete the currently set destination and begin searching for a route to the new destination.
- **[Add to route]** : Add the selected point as a waypoint and begin searching for a route to the destination.



INFORMATION

- A waypoint can be added by touching any point on the map screen.
- Up to 10 destinations, including waypoints, can be set.
- The most recently added waypoint will be set as the first destination. The order of the destinations can be changed by editing the waypoints.

Related Links

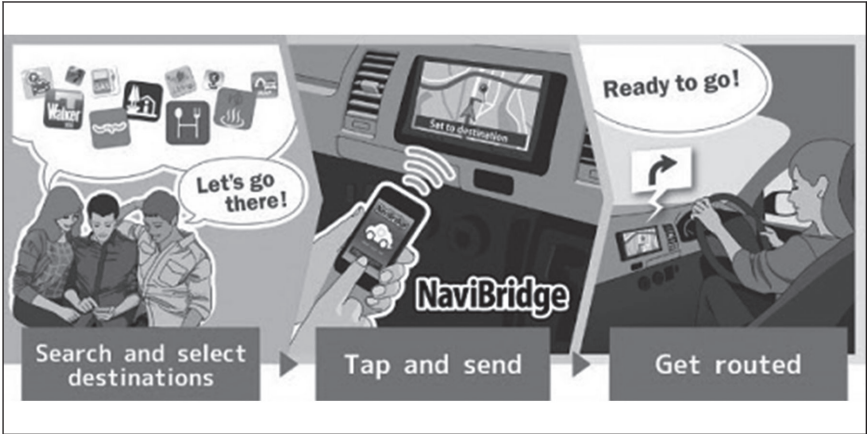
[Searching for a destination\(P. 158\)](#)

[Editing waypoints\(P. 172\)](#)

Setting destinations from your smartphone

NaviBridge

NaviBridge*1 is a "Send To Car" app that can easily send destinations searched for with keyword search and a wide variety of compatible apps on your smartphone to your vehicle navigation system, and automatically sets it as the destination for navigation.



NaviBridge (for iOS/Android) is available for free download.
Refer to the following website for detailed information such as download methods.

NaviBridge support website: <https://navicon.com/navibridge/support>



► Connection methods:

Connection method	iOS device	Android device
Bluetooth® (Wireless)	○	○
USB (Wired)	△ ⁽¹⁾	×

(1) Requires HF connection

*1 : "NaviBridge" is a registered trademark of Micware Co., Ltd.

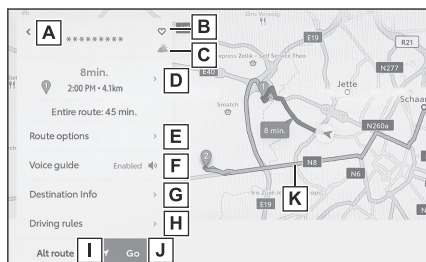
► Available functions:

Destination setting	Multiple destinations	Map operation	Sharing locations with friends
○	○	×	×

Full route map screen

After setting a destination, the full route map screen will be displayed. On the full route map screen, the desired route can be selected or the route information can be checked.

- A** Displays the name or address of the destination.
- B** Touch to register the destination as a favorite.
- C** Displays the current weather at the destination.*¹
- D** Displays the distance, travel time, and estimated time of arrival from the starting point to the destination.



When multiple destinations are set, touch to display a list of the estimated time of arrival for each destination.

- E** Touch to display the route options.
- F** Touch to mute voice guidance.
- G** Touch to display detailed information about the destination.
- H** Touch to display driving restrictions information.*²

If there are driving restrictions (exhaust restrictions or ecological vehicle sticker required segments) along a route, the restriction details can be checked. Restriction information can be switched by touching [◀] or [▶].

- I** Touch to select another route.
- J** Touch to start route guidance. Touch and hold to start a demo of route guidance to the destination.
- K** Touch to select the desired route other than the currently navigating route.
 - Select from the following three routes: recommended route, time priority route, and general road priority route. As initial setting, recommended route is selected.

Related Links

[Route settings\(P. 81\)](#)

[Search result list screen\(P. 162\)](#)

*1 : This function is not available in some countries or areas.

*2 : With built-in navigation system

[Viewing a route guidance demo\(P. 168\)](#)

[Changing route options\(P. 169\)](#)

[Changing the route\(P. 170\)](#)

[Editing waypoints\(P. 172\)](#)

Viewing a route guidance demo

Before route guidance is started, a demo of the route guidance can be viewed.

- **Touch and hold [Go] on the full route screen.**

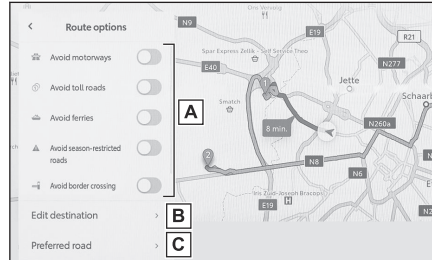
To end the demo, touch [] or begin driving.

Changing route options

The route search conditions can be changed, such as to avoid routes that include tolls or expressways.

- 1 Touch **[Route options]** on the full route map screen.
- 2 Change the setting of the item for the desired condition.

- A** Touch to change between avoiding/not avoiding specific types of roads. Route guidance will be performed avoiding types of roads which are set to on.
- B** Touch to change the order of set waypoints.
- C** Touch to add, delete, or change waypoints on the route.



Related Links

[Setting points to pass through on a route\(P. 171\)](#)

[Editing waypoints\(P. 172\)](#)

Changing the route

A desired route can be selected from several routes with different conditions.

- 1 Touch **[Alternative route]** on the full route map screen.
- 2 After selecting the desired route, touch **[OK]**.



INFORMATION

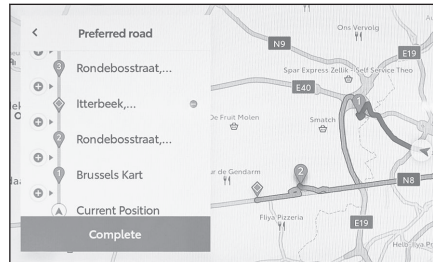
- New alternative routes will be delivered sequentially.*¹
- Changes the route by touching the route directly on the map screen of full route map screens.

*1 : This function is displayed only when using Connected navigation.

Setting points to pass through on a route

After setting a destination, points to pass through on a route can be set.

- 1 Touch [+] on the waypoint setting screen.



- 2 Touch the point you want to add as a waypoint on the map and touch [Complete].

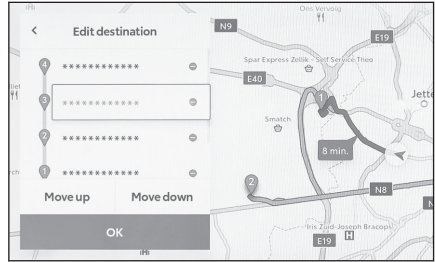
[-]: Delete the corresponding waypoint.

Editing waypoints

Waypoints can be deleted or their order set on the route can be changed.

- 1 Touch to display **[Move up]** and **[Move down]** and change the order of the waypoints.

[]: Delete the corresponding waypoint.



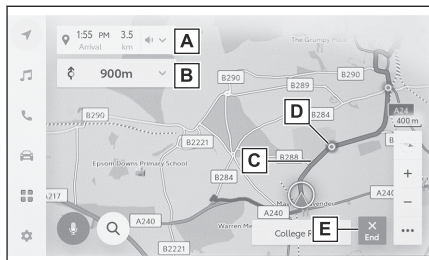
- 2 Touch **[OK]**.

Related Links

[Searching for a destination\(P. 158\)](#)

Route guidance screen

Easy to understand, vocal and visual guidance are provided during route guidance at relevant points, such as intersections and junctions.



- A** Displays the distance and estimated time of arrival from the current position of the vehicle to the destination.
If the route has been deviated from, the estimated time of arrival will not be displayed. Instead, the straight line distance to the destination will be displayed.
Touch to display the full route map screen.
- B** Displays the distance to the next turn and the turn direction.
Touch to display a lane list up to the destination.
- C** Display the route to the destination.
For setting the display color of the route, refer to setting the map display.
- D** Displays the nearest intersection/junction to be passed or turned at during route guidance.
- E** End route guidance. When multiple destinations have been set, touch **[Delete destination]** to delete all destinations and stop route guidance, and touch **[Delete next destination]** to delete only the next destination and continue route guidance.

INFORMATION

- If the route cannot be searched for, a message will be displayed on the screen.
- When map data is not available, a compass screen will be displayed.*¹

Related Links

[Changing the map display settings\(P. 79\)](#)

[Lane display screens\(P. 174\)](#)

*1 : Only when using Connected navigation (without built-in navigation system)

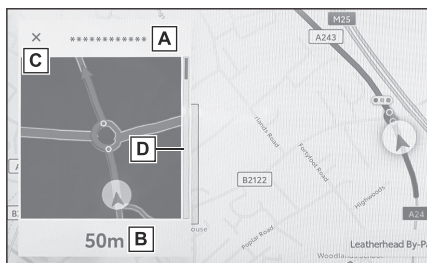
Lane display screens

During route guidance, when approaching an intersection/junction which is to be turned at, an enlarged intersection display will be displayed.

Enlarged intersection display

Intersection guidance is output when approaching an intersection which is to be turned at. Also, an enlarged display of the intersection will be displayed just before the intersection.

- A** Displays the names of roads which are passed through or turned at.
- B** Displays the distance from the current position
- C** Closes the enlarged intersection display.
- D** Displays the remaining distance bar to the guidance point.



INFORMATION

- The enlarged intersection display will not be displayed for intersections which there is no information in the map data.
- The displayed enlarged intersection display may differ from the actual intersection.
- Intersection guidance may not be output immediately after beginning route guidance.
- The enlarged intersection display may be displayed late or early.
- When intersections which are to be turned at are close to each other, the enlarged intersection display will be displayed continuously.
- The enlarged intersection display will be displayed for intersections to be turned at. Intersection guidance will not be output for intersections before the intersection to be turned at.
- The remaining distance displayed on the enlarged intersection display and displayed on the multi-information display may differ.
- The enlarged intersection display displayed on the navigation system display and displayed on the multi-information display differ.

— Related Links —

[Guidance settings\(P. 86\)](#)

Enlarged 3D display

In order to make a turn easier to understand during route guidance, an enlarged 3D display which matches the surroundings of the intersection may be displayed.

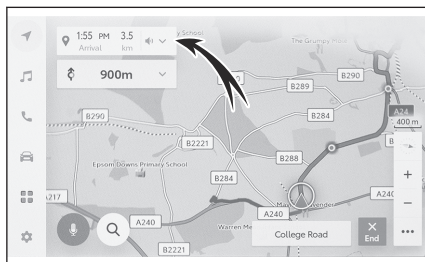
Touch [] to cancel the enlarged display.



Searching for a route again

During route guidance (even when the route has been deviated from), the route can be searched for again.

1 Touch [V] on the map screen.



2 Touch [Route options] or [Alternative route].

3 Touch the search conditions.

4 Touch [OK].

Related Links

[Changing route options\(P. 169\)](#)

[Full route map screen\(P. 166\)](#)

[Changing the route\(P. 170\)](#)

Typical voice guidance prompts

As the vehicle approaches an intersection, or point, where maneuvering the vehicle is necessary, the navigation system's voice guidance will provide various messages.



INFORMATION

- Voice guidance may be made early or late.
- If the navigation system cannot determine the current position correctly, you may not hear voice guidance or may not see the magnified intersection on the screen.



WARNING

Be sure to obey the traffic regulations and keep the road condition in mind especially when you are driving on IPD roads (roads that are not completely digitized in our database). The route guidance may not have the updated information such as the direction of a one way street.

Related Links

[Changing sound and media settings\(P. 92\)](#)

[Guidance settings\(P. 86\)](#)

Map database version and covered area

Coverage areas and legal information can be displayed and map data can be updated.

■ Displaying map information

- 1 Touch [] on the main menu.
- 2 Touch [Navigation].
- 3 Touch [Map Update].
- 4 Check that the map information screen is displayed.

 Displays map coverage areas and map version.

 Updates map.

 Displays legal information.

For map data updates, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.



5-1. Radio operationListening to the radio **180**Listening to DAB **182****5-2. Internet radio**Using Internet radio **184****5-3. USB flash drive operation**Playing music files on a
USB flash drive **185**Playing video files on a
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patible devices **205**Playing Miracast® **206**

Precautions for playback of

Miracast® **208**

Listening to the radio

Switch to your preferred frequency and listen to the radio.

INFORMATION

- When a stereo broadcast is received, the broadcast switches to the stereo broadcast automatically.
- If the signal becomes weak, the radio reduces the amount of channel separation to prevent the weak signal from creating noise. If the signal becomes extremely weak, the radio switches from stereo to mono reception.

1 Touch [] from the main menu.

2 Touch [Sources].

3 Touch [FM].

4 Select the station selection method as necessary.

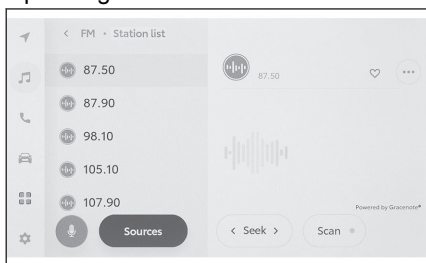
[Presets] : Select the broadcasting station from the stations registered in the presets.

[Station list] : Select the broadcasting station from the broadcasting station list.

[Direct tune] : Select the broadcasting station by entering a frequency with the numeric keypad.

5 Operate the radio that is being received as necessary.

- Operating from the screen



[Seek] : Touch [] or [] to automatically select the broadcasting station closest to that position with the best reception sensitivity. Touch and hold to jump to the next frequency with available radio signal. When released, the broadcasting station closest to that position with the best reception sensitivity is selected automatically.

[Scan] : Search for broadcasting stations while moving automatically toward higher frequencies.

When a broadcasting station is received, it can be monitored for about 5 sec. Touch to continue listening to this broadcasting station.

[] : Registers the received broadcast station in the preset. When registered, touch to cancel.

[] : Displays the settable items.

- **[Radio text]** : Displays the radio text distributed by the FM broadcasting station.

Preset buttons or station list of submenu : Receives the selected broadcasting station.

● Operating with the steering switches

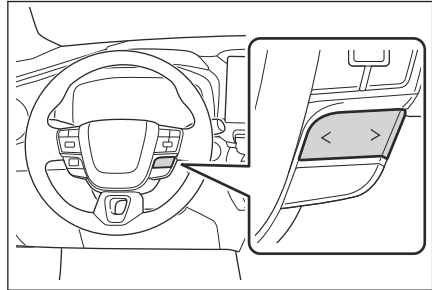
[<]/[>] switches

When selected from the **"Presets"** screen, switch the frequencies or broadcasting stations registered in the preset buttons in order.

When selected from the **"Station list"** screen, switch the broadcasting stations displayed in the station list.

When selected from the **"Direct tune"** screen, automatically selects the broadcasting station closest to that position with the best reception sensitivity.

Press and hold to switch frequencies. When released, the broadcasting station closest to that position with the best reception sensitivity is selected automatically.



— Related Links —

[Changing sound and media settings\(P. 92\)](#)

[Adjusting the sound of each source\(P. 97\)](#)

Listening to DAB*1

Switch to preferred frequency and listen to DAB.

INFORMATION

The time playable with time shift varies depending on the recorded bit rate of DAB, DAB unit memory size, and time of starting broadcast reception.

1 Touch [] from the main menu.

2 Touch [Sources].

3 Touch [DAB].

4 Select the station selection method as necessary.

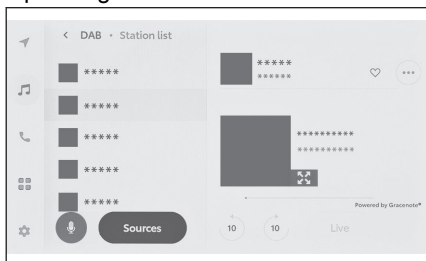
[Presets] : Select the service from the services registered in the presets.

[Station list] : Select the service from the service list.

[Manual tune] : Select the broadcasting station manually. Select the station by selecting [Ensemble] or [Service].

5 Operate the radio that is being received as necessary.

● Operating from the screen



[][] : Use the time shift function to listen again to the service you are currently listening to. Touch to skip the playback of the service forward or back by 10 sec. Touch and hold to fast rewind or fast forward.

[Live] : Release time shift to receive the service currently being broadcast.

[] : Registers the currently received service in the preset. When registered, touch to cancel.

[] : Displays the settable items.

- [Radio text] : Displays the radio text distributed by the DAB.

Preset buttons or station list of sub menu : Receives the selected service.

[] : Switches to the expanded slideshow or cover art. Touch [] to return to the previous screen.

● Operating with the steering switches

*1 : This function is not available in some countries or areas.

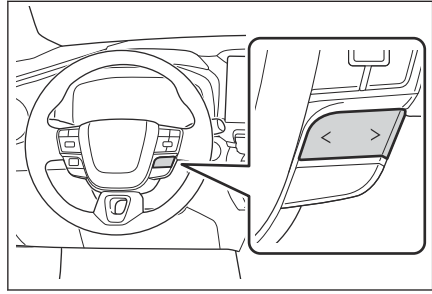
[<]/[>] switches

When selected from the **"Presets"** screen, switch the services registered in the preset buttons in order.

When selected from the **"Station list"** screen, switch the services displayed in the station list.

When selected from the **"Manual tune"** screen, automatically selects the service closest to that position with the best reception sensitivity.

Press and hold to switch services. When released, the service closest to that position with the best reception sensitivity is selected automatically.



Related Links

[Changing sound and media settings\(P. 92\)](#)

[Adjusting the sound of each source\(P. 97\)](#)

Using Internet radio^{*1}

Information such as the song name, cover art, and station logo is available for the track broadcast on the radio while listening to FM/DAB. This information can be retrieved from the Gracenote server via DCM or Wi-Fi® and displayed.

When connected to the internet via DCM or Wi-Fi®, the broadcast connection can switch to the internet if the radio signal reception worsens. This enables continued listening of the same broadcast.



INFORMATION

- Not all broadcasting stations are necessarily supported.
- Internet radio can be received when the radio signal reception deteriorates.
- When using the internet radio, the broadcast switches to the analog broadcast automatically once the radio signal has been receivable for a certain continuous period.
- Turning the internet radio on and off or changing the switchover between automatic and manual when using internet radio in the settings.

Related Links

[Changing sound and media settings\(P. 92\)](#)

^{*1} : This function is not available in some countries or areas.

Playing music files on a USB flash drive

Play music files on a USB flash drive connected to the USB Type-C port to enjoy music. When a USB flash drive is connected, a button with the device's name is displayed on the source selection screen. This may not be displayed for some devices.

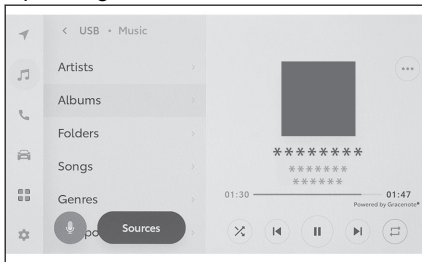
Connect the USB flash drive.

- 1 Touch [] from the main menu.
- 2 Touch [Sources].
- 3 Touch the device name or [USB].

If there are no video files on the USB flash drive, go onto Procedure 5.

- 4 Touch [Music].
- 5 Operate the USB flash drive that is playing as necessary.

● Operating from the screen



[] : Performs random playback.

Each time this is touched, the mode switches between random playback for all files or tracks, random playback canceled, and random playback of the currently playing folder or album.

[] : Plays the currently playing file or track from the beginning. When at the start of the file or track, the previous file or track will play from the beginning.

Touch and hold to fast rewind. Release to start playback from that position.

[] : Pauses playback.

[] : Plays

[] : Switches the files or tracks.

Touch and hold to fast forward. Release to start playback from that position.

[] : Touch to perform repeat playback.

Each time this is touched, the mode switches in order from repeat the currently playing file or track, repeat playback of the currently playing folder or album, and repeat playback of all files or tracks.

5-3. USB flash drive operation

[] : Displays the settable items.

List of submenu : Selects a track from the following conditions.

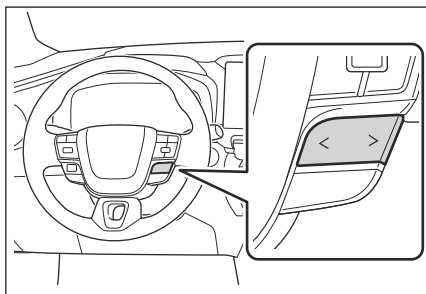
- **[Artists]** : Select a track by artist name.
- **[Albums]** : Select a track from the album name.
- **[Folders]** : Select a track from the folder name.
- **[Songs]** : Select a track from the song name.
- **[Genres]** : Select a track from the genre.
- **[Composers]** : Select a track from the composer name.

● Operating with the steering switches

[<]/[>] switches

Switch the files or tracks.

Press and hold to fast forward or fast rewind. Release to start play-back from that position.



Related Links

[Connecting a device via the USB Type-C port\(P. 38\)](#)

[Changing sound and media settings\(P. 92\)](#)

[Adjusting the sound of each source\(P. 97\)](#)

Playing video files on a USB flash drive

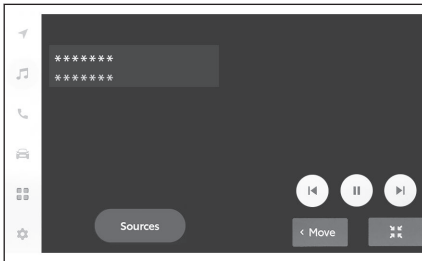
Play video files on a USB flash drive connected to the USB Type-C port to enjoy music or videos. When a USB flash drive is connected, a button with the device's name is displayed on the source selection screen. This may not be displayed for some devices.

Connect the USB flash drive.

- 1 Touch [].
- 2 Touch [Sources].
- 3 Touch the device name or [USB].
- 4 Touch [Video].
- 5 Operate the USB flash drive that is playing as necessary.

- Operating during full screen display

Touch the screen to display the operation buttons.



[] : Plays the currently playing file from the beginning. When at the start of the file, the previous file will play from the beginning.

Touch and hold to fast rewind the video. Release to start playback from that position.

[] : Pauses video playback.

[] : Plays the video.

[] : Switches the files.

Touch and hold to fast forward the video. Release to start playback from that position.

Touch and hold while the video is paused to perform slow playback.

[**Move**] : Moves the operation buttons.

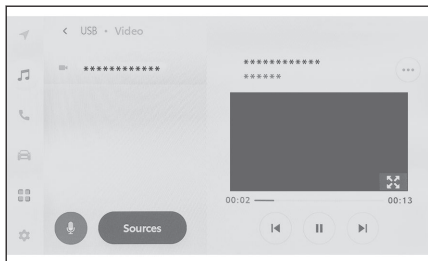
Move the operation buttons when they overlap and make the video difficult to see.

[] : Displays the operation screen.

- Operating from the operation screen

5-3. USB flash drive operation

To display the operation screen, touch [] on the full screen display.



[] : Plays the currently playing file from the beginning. When at the start of the file, the previous file will play from the beginning.

Touch and hold to fast rewind the video. Release to start playback from that position.

[] : Pauses video playback.

[] : Plays the video.

[] : Switches the files.

Touch and hold to fast forward the video. Release to start playback from that position.

Touch and hold while the video is paused to perform slow playback.

[] : Switches to full screen display.

[] : Displays the settable items.

Folder names or file names of submenu : Touch a folder name to select the folder, and touch a file name to change the playback file.

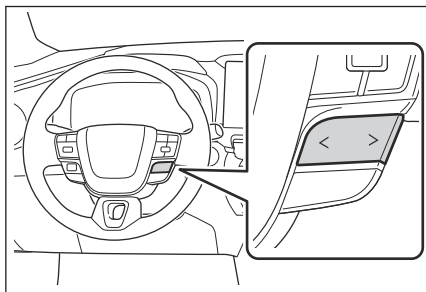
● Operating with the steering switches

[<]/[>] switches

Switch the files.

Press and hold to fast forward or fast rewind the video. Release to start playback from that position.

Press and hold while the video is paused to perform slow playback.



Related Links

[Connecting a device via the USB Type-C port\(P. 38\)](#)

[Changing sound and media settings\(P. 92\)](#)

[Switching the screen mode\(P. 95\)](#)

Adjusting the image quality(P. 96)

Adjusting the sound of each source(P. 97)

Precautions for playback of USB flash drive

Pay special attention to the following information about playing a USB flash drive.

INFORMATION

- Removing a USB flash drive or disconnecting a connected device during playback may cause noise to be output.
- When a USB flash drive is connected and the source is switched from another source to the USB flash drive, the first file on the drive is played. If the same USB flash drive (without its contents changed) is inserted again, playback will be started from the previously played song.
- Reading a file in an unsupported format may affect operations.
- When a USB hub is used to connect multiple devices, devices other than the first device to be recognized cannot be used.

WARNING

For safety reasons, the driver should not operate the USB flash drive while driving.

NOTICE

- Do not leave a USB flash drive inside the vehicle. The inside of the vehicle can become hot, which could cause the USB flash drive to malfunction.
- Do not push down on or subject the connected USB flash drive to unnecessary pressure. The USB flash drive or port may be damaged.
- Keep the port free of foreign matter. The USB flash drive or port may be damaged.

■ Playback of MP3/WMA/AAC/WAV/FLAC/ALAC/Ogg Vorbis

When a USB flash drive storing MP3/WMA/AAC/WAV/FLAC/ALAC/Ogg Vorbis files is connected, first all the files on the USB flash drive are checked.

It is recommended that no files other than MP3/WMA/AAC/WAV/FLAC/ALAC/Ogg Vorbis files and no unnecessary folders are written onto the USB flash drive. This ensures that the USB flash drive check finishes quickly.

INFORMATION

Many types of encoder software, such as freeware, are available in the market for MP3/WMA/AAC/WAV/FLAC/ALAC/Ogg Vorbis. Depending on the encoder condi-

tion or file format, audio quality deterioration or noise at playback start may occur, or playback may not be possible.

 NOTICE

Do not add an incorrect extension to a file. Adding an extension to a file that does not match the file contents may result in files being incorrectly recognized and played. This will output a loud noise that may damage the speakers.

Incorrect examples:

- Adding the ".mp3" extension to a file that is not MP3
- Adding the ".wma" extension to a file that is not WMA

Related Links

[Changing sound and media settings\(P. 92\)](#)

[Information about media that can be used\(P. 316\)](#)

[Format information\(P. 316\)](#)

[USB flash drive\(P. 321\)](#)

Playing iPod/iPhone

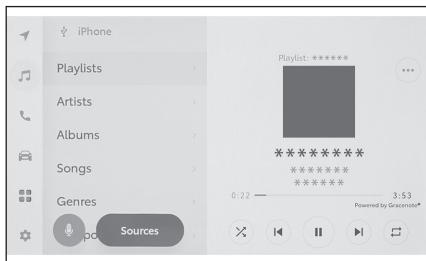
Play back music files on an iPod/iPhone connected to the USB Type-C port. When an iPod/iPhone is connected, a button with the device's name is displayed on the source selection screen. This may not be displayed for some devices.

INFORMATION

- Depending on the generation and model of iPod/iPhone that is connected, the cover art image may look grainy or list scroll display may be slow.
- Some operations may not be available or they may operate differently, depending on the generation and model of iPod/iPhone that is connected.

Connect an iPod or iPhone.

- 1 Touch [] from the main menu.
- 2 Touch [Sources].
- 3 Touch the device name or [USB].
- 4 Operate an iPod/iPhone that is playing as necessary.
 - Operating from the screen



[] : Performs shuffle playback.

Each touch switches the shuffle setting.*1

[] : Plays the currently playing track from the beginning. When at the start of the track, the previous track will play from the beginning.

Touch and hold to fast rewind. Release to start playback from that position.

[] : Pauses playback.

[] : Plays.

[] : Switches the tracks.

Touch and hold to fast forward. Release to start playback from that position.

*1 : The order in which shuffle or repeat settings switch depends on the connected device.

[] : Performs repeat playback.

Each touch switches the repeat setting.*1

[] : Displays the settable items.

List of submenu : Selects a track from the following conditions.

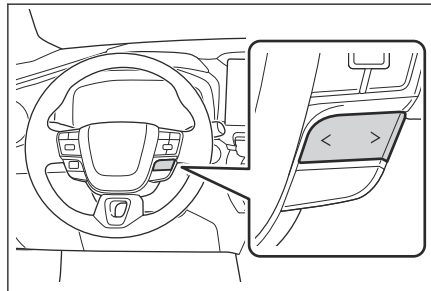
- **[Playlists]** : Select a track from the playlist.
- **[Artists]** : Select a track by artist name.
- **[Albums]** : Select a track from the album name.
- **[Songs]** : Select a track from the song name.
- **[Genres]** : Select a track from the genre.
- **[Composers]** : Select a track from the composer name.
- **[Radio]** : Select a track from the radio station.
- **[Audiobooks]** : Select a track from the audiobook name.
- **[Podcasts]** : Select a track from the Podcast name.

● Operating with the steering switches

[<]/[>] switches

Switch the tracks.

Press and hold to fast forward or fast rewind. Release to start playback from that position.



— Related Links —

[Connecting a device via the USB Type-C port\(P. 38\)](#)

[Changing sound and media settings\(P. 92\)](#)

[Adjusting the sound of each source\(P. 97\)](#)

*1 : The order in which shuffle or repeat settings switch depends on the connected device.

Precautions for playback of iPod/iPhone

Pay special attention to the following information about playing iPod/iPhone.

INFORMATION

- This function cannot be used while Android Auto is connected.
- Disconnecting a port or disconnecting a connected device while in iPod/iPhone mode may cause noise to be output.
- When a USB hub is used to connect multiple devices, devices other than the first device to be recognized cannot be used.
- When switching from a different source to an iPod/iPhone while the iPod/iPhone is connected, playback may be started from the previously played track.*1

WARNING

For safety reasons, the driver should not operate the iPod/iPhone while driving.

NOTICE

- Do not leave the iPod/iPhone inside the vehicle. The inside of the vehicle can become hot, which could cause the iPod/iPhone to malfunction.
- Do not push down on or subject the connected iPod/iPhone to unnecessary pressure. The iPod/iPhone, or the port, may be damaged.
- Keep the port free of foreign matter. The iPod/iPhone or the port may be damaged.

— Related Links —

[iPhone/iPod\(P. 319\)](#)

*1 : Depending on the device connected, operation may be different from described.

Playing Apple CarPlay

Play music files on an iPhone connected to the USB Type-C port or a wirelessly connected iPhone. When Apple CarPlay is connected, a button with the device's name is displayed on the source selection screen. This may not be displayed for some devices.

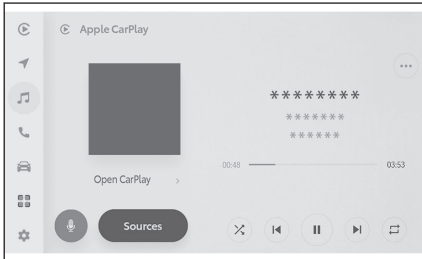
INFORMATION

- Some operations may not be available or they may operate differently, depending on the generation and model of iPhone that is connected.
- In cases such as the track not playing normally or audio skipping, update iOS to the latest version. Updating may resolve the issues.

Connect Apple CarPlay.

- 1 Touch [] from the main menu.
- 2 Touch [Sources].
- 3 Touch [Apple CarPlay] (device name).
- 4 Operate the Apple CarPlay that is playing as necessary.

- Operating from the screen



[] : Performs shuffle playback.

Each touch switches the shuffle setting.*1

[] : Plays the currently playing track from the beginning.

When at the start of the track, the previous track will play from the beginning.

Touch and hold to fast rewind. Release to start playback from that position.

[] : Pauses playback.

[] : Plays.

[] : Switches the tracks.

Touch and hold to fast forward. Release to start playback from that position.

*1 : The order in which shuffle or repeat settings switch depends on the connected device.

5-5. Apple CarPlay operation

[] : Performs repeat playback.

Each touch during repeat playback switches the repeat setting.*1

[] : Displays the settable items.

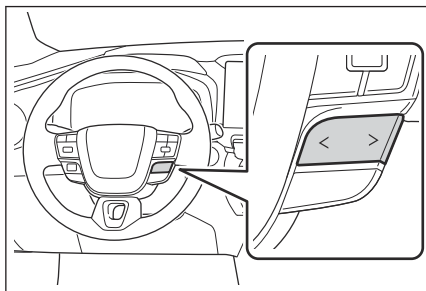
[**Open CarPlay**] : Displays the Apple CarPlay screen.

● Operating with the steering switches

[<]/[>] switches

Switch the tracks.

Press and hold to fast forward or fast rewind. Release to start playback from that position.



Related Links

[Changing sound and media settings\(P. 92\)](#)

[Adjusting the sound of each source\(P. 97\)](#)

[Using Apple CarPlay with an unregistered smartphone\(P. 128\)](#)

[Using Apple CarPlay with a registered smartphone\(P. 131\)](#)

[Setting Bluetooth® devices\(P. 100\)](#)

*1 : The order in which shuffle or repeat settings switch depends on the connected device.

Precautions for playback of Apple CarPlay

Pay special attention to the following information about playing Apple CarPlay.

This function is not available in some countries or areas.

INFORMATION

- This function cannot be used while Android Auto is connected.
- Disconnecting a connected device while Apple CarPlay is connected via USB may cause noise to be output.
- When a different source is switched to Apple CarPlay while an iPhone is connected, playback will be started from the previously played track.

WARNING

For safety reasons, the driver should not operate the iPhone while driving.

NOTICE

- Do not leave the iPhone inside the vehicle. The inside of the vehicle can become hot, which could cause the iPhone to malfunction.
- Do not push down on or subject the connected iPhone to unnecessary pressure. The iPhone or port may be damaged.
- Keep the port free of foreign matter. The iPhone or port may be damaged.

— Related Links —

[Precautions when using Apple CarPlay and Android Auto\(P. 125\)](#)

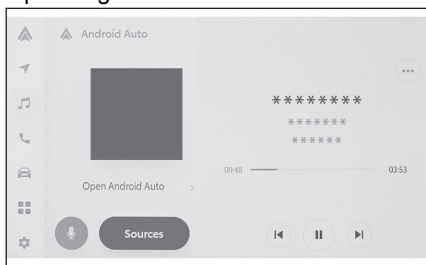
Playing Android Auto

Play music files on an Android device connected to the USB Type-C port or a wirelessly connected Android device. When an Android device is connected, a button with the device's name is displayed on the source selection screen. This may not be displayed for some devices.

Connect Android Auto.

- 1 Touch [] from the main menu.
- 2 Touch [Sources].
- 3 Touch [Android Auto] (device name).
- 4 Operate the Android Auto that is playing as necessary.

● Operating from the screen



[] : Plays the currently playing track from the beginning. When at the start of the track, the previous track will play from the beginning.

[] : Pauses playback.

[] : Plays.

[] : Switches the tracks.

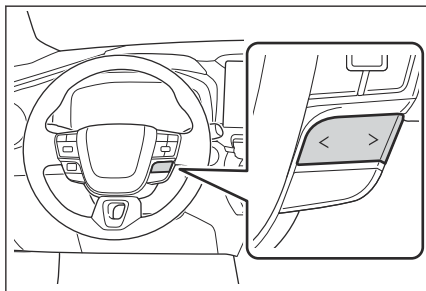
[] : Displays the settable items.

[Open Android Auto] : Displays the Android Auto screen.

● Operating with the steering switches

[<]/[>] switches

Switch the tracks.



Related Links

[Changing sound and media settings\(P. 92\)](#)

[Adjusting the sound of each source\(P. 97\)](#)

[Setting Bluetooth® devices\(P. 100\)](#)

[Using Android Auto with an unregistered smartphone\(P. 134\)](#)

[Using Android Auto with a registered smartphone\(P. 137\)](#)

Precautions for playback of Android Auto

Pay special attention to the following information about playing Android Auto.

This function is not available in some countries or areas.

INFORMATION

- This function cannot be used while Apple CarPlay is connected.
- Disconnecting a connected device while Android Auto is connected may cause noise to be output.
- When a different source is switched to Android Auto while an Android device is connected, playback will be started from the previously played track.

WARNING

For safety reasons, the driver should not operate the Android device while driving.

NOTICE

- Do not leave the Android device inside the vehicle. The inside of the vehicle can become hot, which could cause the Android device to malfunction.
- Do not push down on or subject the connected Android device to unnecessary pressure. The Android device or port may be damaged.
- Keep the port free of foreign matter. The Android device or port may be damaged.

Related Links

[Precautions when using Apple CarPlay and Android Auto\(P. 125\)](#)

Playing Bluetooth® audio

By connecting a portable device, the portable device can be used without operating it directly.

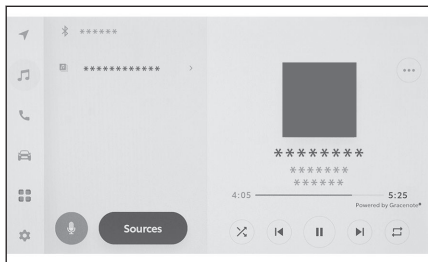


INFORMATION

- The following information may not be displayed depending on the connected portable device.
 - Folder title
 - Song name
 - Album name
 - Artist name
 - Playback time
 - Total time
 - Random
 - Repeat
 - Playback/pause
 - Track up/down
- The following issues may occur depending on the connected device.
 - Operation cannot be performed from the multimedia system.
 - Operation or volume is different.
 - The display of data such as song information or time may differ between the multimedia system and the portable device.
 - The connection may disconnect when playback stops.
- When playing for a long time, the sound may skip.
- The volume while connected may differ depending on the portable device.

A portable device can be connected to the multimedia system.

- 1 Touch [] from the main menu.
- 2 Touch [Sources].
- 3 Touch the device name or [Bluetooth].
- 4 Operate the Bluetooth® audio that is playing as necessary.
 - Operating from the screen



[] : Performs random playback.

Each touch switches the random setting.*1

[] : Plays the currently playing track from the beginning. When at the start of the track, the previous track will play from the beginning.

Touch and hold to fast rewind. Release to start playback from that position.

[] : Pauses playback.

[] : Plays.

[] : Switches the tracks.

Touch and hold to fast forward. Release to start playback from that position.

[] : Performs repeat playback.

Each touch switches the repeat setting.*1

[] : Displays the settable items.

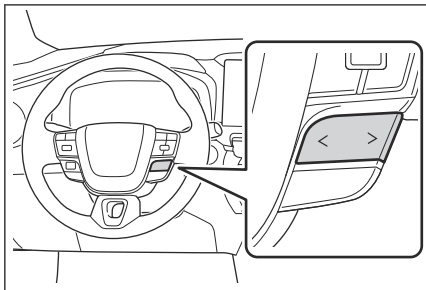
Folder names or track names of sub menu : Touch a folder name to select the folder, and touch a file name to change the playback file.

● Operating with the steering switches

[<]/[>] switches

Switch the tracks.

Press and hold to fast forward or fast rewind. Release to start playback from that position.



— Related Links —

[Changing sound and media settings\(P. 92\)](#)

[Adjusting the sound of each source\(P. 97\)](#)

*1 : The order in which random or repeat settings switch depends on the model.

Setting Bluetooth® devices(P. 100)

Precautions for Bluetooth® audio playback

Pay special attention to the following information when using Bluetooth® audio playback.

INFORMATION

- Registration of the cellular phone or other Bluetooth® portable audio player (hereafter referred to as portable device) in the multimedia system is required before use.
- Please be aware that some functions may be limited depending on the model of portable device.
- This function cannot be used while Apple CarPlay is connected wirelessly.
- Using simultaneously with a wireless device could negatively affect communication for each.
- When the Wi-Fi® function is enabled in the multimedia system settings, the Bluetooth® audio sound may be interrupted.

WARNING

- For safety reasons, the driver should not operate the portable device while driving.
- The vehicle antenna for Bluetooth® communication is built into the multimedia system.
People using electrical medical devices other than implantable cardiac pacemakers, implantable cardiac resynchronization therapy-pacemakers, or implantable cardioverter defibrillators should consult with their physician and the device manufacturer to determine whether electrical waves could adversely affect devices before use.

NOTICE

- Do not leave the portable device inside the vehicle. The inside of the vehicle can become hot, which could cause the portable device to malfunction.
- Do not use a portable device near the multimedia system. Bringing it too close could cause sound or connection quality to deteriorate.

— Related Links —

[Changing Wi-Fi® settings\(P. 98\)](#)

[Bluetooth®\(P. 322\)](#)

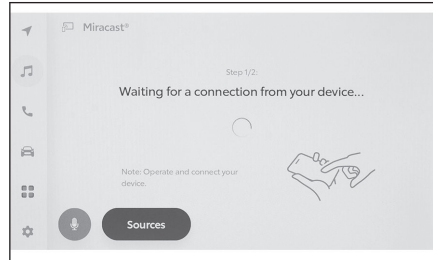
[Precautions when using Bluetooth® devices\(P. 106\)](#)

[Registering a Bluetooth® device from the multimedia system\(P. 110\)](#)

Connecting Miracast®-compatible devices

Android smartphones and tablets that support Miracast® can be connected. To determine whether a device being used supports Miracast®, refer to the instruction manual and other documentation included with the device.

- 1 Touch [🎵] from the main menu.
- 2 Touch [Sources].
- 3 Touch [Miracast®].
- 4 This makes Miracast®-compatible devices capable of connecting.
 - For details on how to operate the device, refer to the instruction manual included with the device.
 - If a connection failed screen is displayed, start the connection procedure over from the beginning.
- 5 Check the device name and then touch [OK].



Related Links

[Changing Wi-Fi® settings\(P. 98\)](#)

Playing Miracast®

Music and video from a smartphone or tablet can be enjoyed via playback on the multimedia system.

 **INFORMATION**

- The Miracast® volume may differ depending on the connected device.
- The audio will turn off when the Wi-Fi® connection is disconnected.

Connect a device compatible with Miracast®.

- 1 Touch [] from the main menu.
- 2 Touch [Sources].
- 3 Touch [Miracast®].
- 4 Operate the Miracast® content that is playing as necessary.
 - Operating during full screen display

Touch the screen to display the operation buttons.

[] : Displays the operation screen.



- Operating from the operation screen

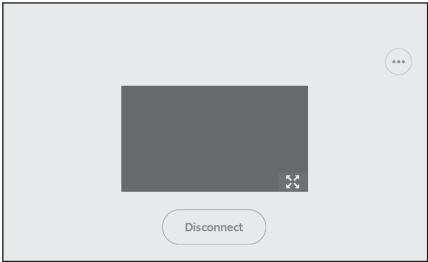
To display the operation screen, touch [] on the full screen display.

[] : Displays the settable items.

[] : Switches to full screen display.

[Disconnect] : Disconnect Miracast®.

The audio will turn off.



Related Links

[Changing sound and media settings\(P. 92\)](#)

[Switching the screen mode\(P. 95\)](#)

[Adjusting the image quality\(P. 96\)](#)

[Adjusting the sound of each source\(P. 97\)](#)

Precautions for playback of Miracast®

Pay special attention to the following information when using Miracast® playback.

INFORMATION

- The device is connected via Wi-Fi® (P2P mode).
- Miracast® is a registered trademark of Wi-Fi Alliance®.
- This function cannot be used while Apple CarPlay is connected wirelessly.
- Performance may vary depending on various environmental and electrical factors.
- The displayed names of Miracast® vary depending on the device.
- When the Wi-Fi® network connection is enabled, Wi-Fi® network connection communication and Miracast® communication can affect each other. This may cause image distortion and audio stuttering.

WARNING

Do not connect or operate a smartphone or tablet while driving.

NOTICE

Do not leave the smartphone or tablet inside the vehicle. The inside of the vehicle can become hot, which could cause the smartphone or tablet to malfunction.

— Related Links —

[Changing Wi-Fi® settings\(P. 98\)](#)

[Precautions when using Wi-Fi® devices\(P. 120\)](#)

6-1. Precautions when using hands-free calls

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Precautions for hands-free calling

By connecting a Bluetooth® cellular phone (hereafter referred to as "cellular phone") that has been verified with the system, the phone function can be used to make and receive calls without operating the cellular phone directly. This is known as hands-free calling.

A cellular phone must support the multimedia system specifications in order to connect to the system. However, be aware that some functions may be limited depending on the model of cellular phone.

Even while connected to Apple CarPlay or Android Auto, the hands-free phone screen for Apple CarPlay or Android Auto may not be displayed, depending on conditions.



INFORMATION

- Observe the following precautions when using the cellular phone with the hands-free function.
 - A cellular phone must be registered to the multimedia system and connected with Bluetooth® before hands-free calling can be used. To use hands-free calling, first register a cellular phone.
 - Make sure the cellular phone is able to utilize the Bluetooth® function.
 - If attempting to make or receive a call during Bluetooth® audio playback, the screen display and dial tone or ringtone sound may be delayed.
- The multimedia system is not guaranteed to operate with all Bluetooth® devices.

The following issues may occur depending on the cellular phone model.

- When the power switch is operated during a hands-free call, the call may be disconnected.
 - The calling screen may not be displayed, or the call screen may be displayed before the other party answers the phone.
 - Even if numbers are entered using the numeric keypad on the call screen, the tone signal may not be transmitted depending on the cellular phone service provider.
 - After dialing, it may be necessary to perform operations on the cellular phone.
- Hands-free calling may be unavailable in the following situations.
 - When outside of the calling area
 - When outgoing calls are restricted, such as when the lines are congested
 - During emergency calls
 - While contact data is being transferred from the cellular phone

- When dial lock is turned on for the cellular phone
 - When the cellular phone is in use, such as when transmitting data
 - When the cellular phone is malfunctioning
 - When the cellular phone is not connected
 - When the cellular phone has a low battery
 - When the cellular phone is turned off
 - When the settings prevent the cellular phone from being used for hands-free calls
 - When switching from data communication or contact transfer to hands-free calling with the multimedia system. (While switching, Bluetooth® connection status for the multimedia system will not be displayed)
 - When the cellular phone itself cannot be used for any other reason
- If hands-free calling and the Wi-Fi® function (Wi-Fi® or Miracast®) are used simultaneously, the Bluetooth® connection of the cellular phone may be disconnected.

WARNING

- The driver should operate mobile devices in hands free mode only. Failure to follow this warning will lead to driver distraction which can cause personal injury or death.
- The driver is solely responsible for the safe operation of the vehicle.
- People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the Bluetooth® antennas. The radio waves may affect the operation of such devices.
- Before using Bluetooth® devices, users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves could have unexpected effects on the operation of such medical devices.

NOTICE

Do not leave a cellular phone inside the vehicle. The inside of the vehicle can become hot, which could cause the cellular phone to malfunction.

— Related Links —

[Precautions when using Bluetooth® devices\(P. 106\)](#)

6-1. Precautions when using hands-free calls

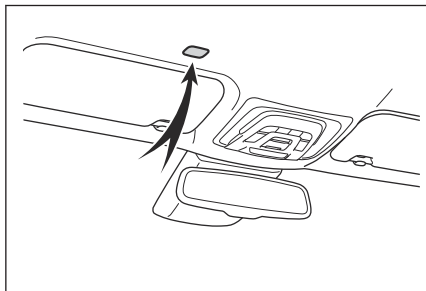
Bluetooth® specifications and compatible profiles(P. 109)

Registering a Bluetooth® device from the multimedia system(P. 110)

Precautions for call audio

In a hands-free call, the car's built-in microphone can be used to speak. Pay special attention to the following information when making a hands-free call.

- The audio when receiving calls or when talking during calls is output from speakers on both sides of the front seats.
- The audio is muted when a voice or ringtone is output from the hands-free system.



INFORMATION

- During calls, take turns speaking with the other party on the phone. If both parties speak at the same time, it may be difficult to hear what the other party is saying.
- If the receiver volume is too high, the other party's voice may be audible outside the vehicle or echoes may be heard.
- Speak clearly in a loud voice.
- In the following cases, it may be difficult for the other party to hear your voice.
 - Driving on an unpaved road.
 - Driving at high speeds.
 - The windows are open.
 - The air conditioning vents are pointed towards the microphone.
 - The sound of the air conditioning fan is loud.
 - Bring your cellular phone closer to the microphone
- There might be an adverse effect on sound quality (such as noise or echo) depending on the phone or network being used.
- If other Bluetooth® devices are connected at the same time, noise may be generated in the hands-free system audio.
- If the multimedia system has been configured to use the Wi-Fi® function (Wi-Fi® or Miracast®), noise may be generated in the hands-free system audio.

- Cellular phone and multimedia system speaker volume/ringtone volume may be synchronized. The speaker volume/ringtone volume with the multimedia system cannot be synchronized depending on the cellular phone model.

NOTICE

Do not touch or poke sharp objects into the microphone. This may cause a malfunction.

Precautions when selling or disposing of the vehicle

A lot of personal information is registered when using the hands-free system. Make sure to clear all information before selling or disposing of the vehicle.

After initializing all the information, all the data in the multimedia system will be initialized and returned to the factory default. It cannot be returned to the state before initialization.

— Related Links —

[Changing the security settings\(P. 72\)](#)

When hands-free calling might be malfunctioning

If you notice any of the following symptoms, refer to the following table for possible reasons and solutions, and check the symptom again.

■ Using hands-free calls

Symptom	Possible reason	Solution
Hands-free calls cannot be used	Your cellular phone does not support Bluetooth®.	For a list of specific devices which operation has been confirmed on multimedia system, check with any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
	Your cellular phone version is not compatible with Bluetooth®.	Use a cellular phone compatible with Bluetooth® Core Specification Ver. 5.0 or later.

■ Cellular phone registration and connection

Symptom	Possible reason	Solution
Your cellular phone cannot be registered	The cellular phone registration operation has not been completed.	Select the authentication button when it is shown on your cellular phone and continue the registration operation.
	There is registration information remaining on either the cellular phone or the multimedia system.	Perform the registration operation again after deleting the registration information from both the multimedia system and the cellular phone.
Cannot connect via Bluetooth®	A cellular phone other than the one to use is already connected via Bluetooth®.	Manually connect the cellular phone to use via Bluetooth® from the multimedia system.
	The Bluetooth® function of the cellular phone is not activated.	While the power switch is in ACC or ON, activate the Bluetooth® function on the cellular phone.
	The cellular phone registration information has been deleted.	Perform the registration operation after deleting the registration information from both the multimedia system and the cellular phone.

■ Calling and receiving calls

Symptom	Possible reason	Solution
Cannot make or receive calls	Outside the service area	Move the vehicle into to a service coverage area.
	Call restriction (dial lock) is turned on for the cellular phone.	Turn off call restriction (dial lock) for the cellular phone.

■ Contacts

Symptom	Possible reason	Solution
Cannot transfer or automatically transfer contact data	The cellular phone profile does not support transferring contact data.	For a list of specific devices which operation has been confirmed on multimedia system, check with any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
	[Sync contacts] in the Bluetooth® settings on the multimedia system is set to off.	Set [Sync contacts] in the Bluetooth® settings on the multimedia system to on.
	The cellular phone is waiting for approval to transfer contacts.	Select the contacts transfer approval button on the cellular phone.
An approval confirmation screen is displayed on the cellular phone	The cellular phone is not set to always allow.	Set the cellular phone to always allow.
The contact data is registered elsewhere	The contacts are not registered to the cellular phone.	Please register the contacts to the cellular phone.
Cannot edit contact data	[Sync contacts] in the Bluetooth® settings on the multimedia system is set to on.	Set [Sync contacts] in the Bluetooth® settings on the multimedia system to off.

■ When using the Bluetooth® message function

Symptom	Possible reason	Solution
Messages cannot be viewed.	Message transfer is not enabled on the cellular phone.	Enable message transfer on the cellular phone (approve message transfer on the phone).
New message notifications are not displayed.	Automatic message transfer function is not enabled on the cellular phone.	Enable automatic transfer function on the cellular phone.

■ Other conditions

Symptom	Possible reason	Solution
If symptoms do not improve after applying possible solutions.	The cellular phone and multimedia system are too far apart.	Move the cellular phone and multimedia system closer together.
	Electromagnetic interference is being generated.	Turn the power off for any devices that may be generating electromagnetic waves, such as Wi-Fi® devices. Set the Wi-Fi® setting on the multimedia system to off.
	The cause lies in the cellular phone.	Turn the power off for the cellular phone, and remove the battery pack.
		Turn the cellular phone's Bluetooth® connection from off to on.
		Turn off the cellular phone's Wi-Fi® connection.
		Stop any security software or background applications that are running on the cellular phone.
		Make sure to carefully confirm the provider and operating status of applications installed on the cellular phone before use.

INFORMATION

For more details, refer to the instruction manual included with the cellular phone.

— Related Links —

[Registering a Bluetooth® device from the multimedia system\(P. 110\)](#)

[Deleting a registered Bluetooth® device\(P. 113\)](#)

[Setting Bluetooth® devices\(P. 100\)](#)

[Disconnecting Wi-Fi®\(P. 124\)](#)

Operating with the steering switches

Some hands-free call functions can be operated from the steering switches, such as receiving or making calls.

● Operate the switches as necessary.

[] switch

- While a call cannot be made, displays the history screen.

- Phone calls can be made when

[] is displayed on the phone screen.

- While making a call or during a call, ends the call.
- While receiving a call or during call waiting, answers the call.

[] switch

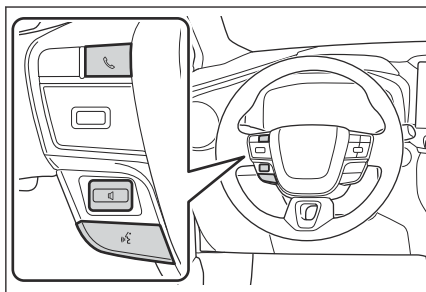
Adjusts the ringtone volume or receiver volume.

Press and hold to adjust continuously.

[] switch

Calls can be made using voice command.

To end voice control system, press and hold the talk switch.



INFORMATION

- While Apple CarPlay or Android Auto is connected, press [] to display the Apple CarPlay or Android Auto phone screen on the multimedia system.
- While Apple CarPlay and a hands-free phone are connected, press [] to display the Apple CarPlay or multimedia system phone screen. The function that was used last is prioritized. If neither has been used, the primary device is prioritized.*¹
- While Android Auto and a hands-free phone are connected, press [] to display the multimedia system phone screen.*¹
- When receiving a call, the incoming call screen for the cellular phone (hands-free phone, Apple CarPlay, or Android Auto) is displayed.*¹

— Related Links —

[Precautions when using Apple CarPlay and Android Auto\(P. 125\)](#)

*1 : This function is not available in some countries or areas.

Starting voice control(P. 41)

Making calls from call history

Calls can be made to phone numbers that have been recorded in the call history as outgoing or incoming calls.

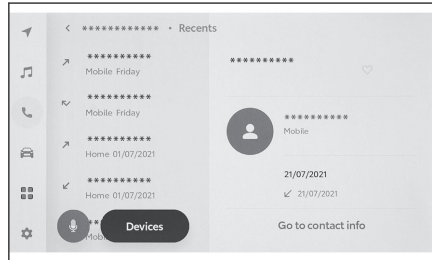
1 Touch [] from the main menu.

2 Touch [Recents].

3 Select the contact.

For phone numbers that are not registered in the contact, the phone number will be displayed as it is.

4 Touch the desired phone number.



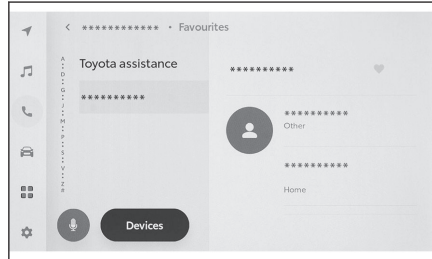
INFORMATION

- The latest 100 entries in the call history are shown. If the call history exceeds 100 entries, history items are automatically deleted starting from the oldest.
- The outgoing call history is registered as follows, depending on conditions.
 - If the call was placed to a phone number registered in contacts or to the multimedia system, the name and image data are also registered if they exist.
 - When several calls have been made to the same phone number, the number of calls will be displayed after the name of the contact.
- The incoming call history is registered as follows, depending on conditions.
 - If the call was received from a phone number registered in contacts, the name and image data are also registered if they exist.
 - If multiple calls were received from the same phone number, all are registered.
 - Missed calls and declined calls are also registered.
 - If the other party does not support caller ID, the call is registered as "Unknown".
- Calls that were placed on hold are also registered to the call history.
- Depending on the model of cellular phone, it may not be possible to make international calls.

Making calls from the favorites list

Make a call from your favorites list by adding your contacts to your favorites.

- 1 Touch [] from the main menu.
- 2 Touch [Favourites].
- 3 Select the person you want to call from your favorites list.
- 4 Touch the desired phone number.



INFORMATION

- When [Sync contacts] is ON, cellular phone favorites are automatically transferred to the multimedia system.
- Depending on the cellular phone model, favorites cannot be transferred.
- The favorites data can also be registered from the data registered in contacts on the multimedia system.

Related Links

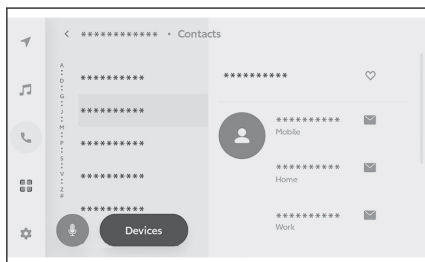
[Setting Bluetooth® devices\(P. 100\)](#)

[Transferring contact data\(P. 236\)](#)

Making calls from contacts

Calls can be made from the contacts registered on the multimedia system.

- 1 Touch [] from the main menu.
- 2 Touch [Contacts].
- 3 Select a contact.
- 4 Touch the desired phone number.



INFORMATION

- If [Sync contacts] is displayed on the screen, touching it transfers the contact data of the cellular phone to the multimedia system.
- If no contact data has been registered, contact data must be transferred or added to the multimedia system.
- The contact data of the hands-free phone that is connected is displayed on the multimedia system. When the hands-free phone is switched during a 2-phone connection, the contact data also switches.*1

— Related Links —

[Adding new contact data to contacts\(P. 240\)](#)

[Transferring contact data\(P. 236\)](#)

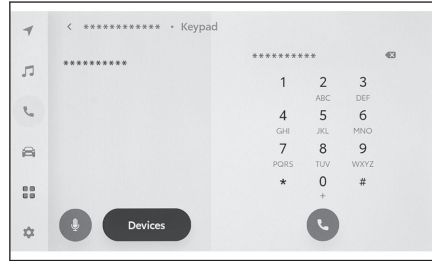
*1 : This function is not available in some countries or areas.

Making calls from keypad

Enter the phone number on the keypad to make a call.

- 1 Touch [] from the main menu.
- 2 Touch [Keypad].
- 3 Enter the phone number.
- 4 Touch [], or press the [] switch on the steering.

Calls can also be made by touching a contact displayed on the submenu.



INFORMATION

Depending on the cellular phone model, it may be necessary to perform operations on the cellular phone.

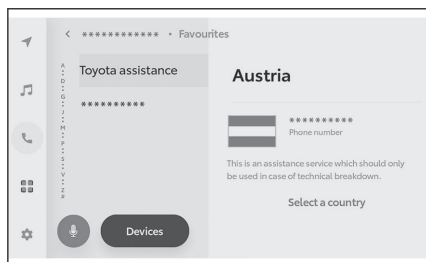
Related Links

[Operating with the steering switches\(P. 218\)](#)

Calling Toyota roadside assist service*1

Toyota roadside assist service can be called from the favourites list. The call must be made from a country that supports the use of Toyota roadside assist service. The country must be registered in order to use this function.

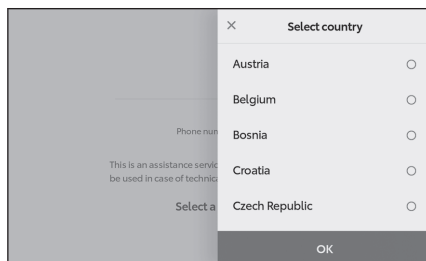
- 1 Touch [] from the main menu.
- 2 Touch [Favourites].
- 3 Touch [Toyota assistance] on the favourites list.
- 4 Touch the phone number.



Registering the country in Toyota assistance

The country must be registered in Toyota assistance in order to use Toyota roadside assist service.

- 1 Touch [] from the main menu.
- 2 Touch [Favourites].
- 3 Touch [Toyota assistance] on the favourites list.
- 4 Touch [Select a country].
- 5 Select the country.
- 6 Touch [OK].



*1 : This function is not available in some countries or areas.

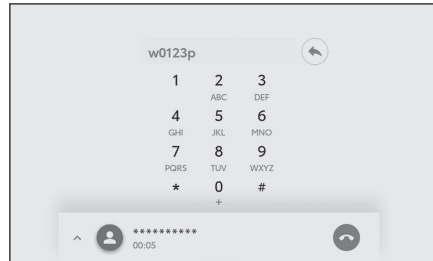
Calling using a wait or pause signal

Numbers that include wait (w) or pause (p) signals can be called. The transmission of the numbers that follow the wait (w) or pause (p) signal is suspended or stopped for about 2 seconds.

- A wait (w) signal suspends the transmission of the number. Transmission resumes after an operation by the user until the next wait (w) signal. When a pause (p) signal is included partway, the transmission stops for 2 seconds before sending the following number.
- A pause (p) signal stops the transmission of the number for about 2 seconds.

- 1 Touch [📞] from the main menu.
- 2 Touch [Contacts].
- 3 Select the contact.
- 4 Select the phone number that includes a wait (; or w) or pause (, or p) signal.
- 5 If the phone number includes a wait (w) signal, touch [⏸].

When [⏸] is touched, the number that was suspended by the wait (w) signal resumes transmission until the next wait (w) signal. When a pause (p) signal is included partway, the transmission stops for 2 seconds before sending the following number.



INFORMATION

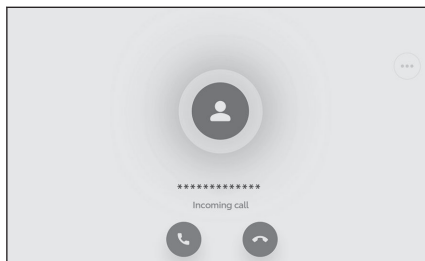
- Depending on the model of cellular phone, the wait signal may be displayed as a semi colon (;) and the pause signal may be displayed as a comma (,) on the cellular phone screen.
- This function is used to make international calls.
- Release tones can be used when automated operation of a phone based service such as an answering machine or bank phone service is desired. A phone number with wait(w) or pause(p) signals can be registered in the contact list.

Answering calls

When a call is received, a ringtone sounds and the incoming call screen or incoming call notification is displayed. When the voice control system setting is on, the voice control system will start when a call is received.*1

● Answer the call by doing one of the following.

- Touch [].
- Press the [] switch on the steering wheel.
- Speak a voice command to answer the phone with the voice control system.



INFORMATION

- The incoming call screen is not displayed while the rear view monitor system screen is being displayed. Incoming call notification is provided by ringtone only.
- During an incoming call, all sounds other than those coming from the hands-free call are muted. However, voice guidance with a higher priority than the hands-free call is not muted.
- Even if the cellular phone ringtone is set on the multimedia system, the multimedia system may output a different ringtone depending on the cellular phone settings.
- Depending on the cellular phone settings such as drive mode, you may not be able to receive calls.
- Depending on the cellular phone model, the following may occur.
 - The ringtone may be heard from both the vehicle speakers and the cellular phone.
 - When receiving a call, the caller's phone number may not be displayed.
 - If a call was received by operating the cellular phone directly, or if the cellular phone has been set to automatically answer calls, the call may stay on the cellular phone.
 - If there was an incoming call while the cellular phone is transmitting data, the incoming call screen may not be displayed on the multimedia system and the ringtone may not sound.
- If the cellular phone supports automatic contact data transfer (PBAP), the image data in contacts has been transferred, and **[Display contact images]** is set to on, the contact's image will be shown alongside their phone number when a call is received.

*1 : This function is not available in some languages.

- If the ringtone setting on the multimedia system has been set to anything other than the cellular phone ringtone, the ringtone that has been registered on the multimedia system sounds, even if the cellular phone has been placed in silent (vibrate) mode or the ringtone deleted.
- The call is declined when a call is received from a phone number that is set to be declined in the cellular phone settings.

Related Links

[Changing the voice control settings\(P. 69\)](#)

[Operating with the steering switches\(P. 218\)](#)

[Operating the system with voice control\(P. 39\)](#)

[Setting Bluetooth® devices\(P. 100\)](#)

Declining calls

On the multimedia system, calls can be declined using several methods.

- **When receiving a call, perform any of the following operations to decline the call.**

- Touch [].
- Operate the cellular phone directly.
- Speak a voice command to decline the call with the voice control system.

INFORMATION

The call is declined when a call is received from a phone number that is set to be declined in the cellular phone settings.

Related Links

[Operating with the steering switches\(P. 218\)](#)

[Operating the system with voice control\(P. 39\)](#)

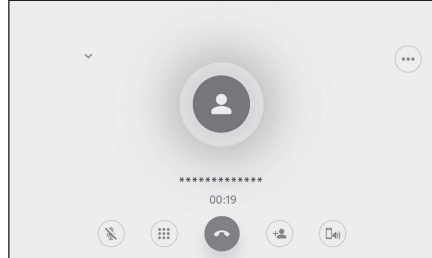
Perform operations from the call screen

During a call, various operations can be performed from the call screen.

[] : Mutes the sound transmission so that the other party on the call cannot hear you speak. While muted, the button changes to blue.

To deactivate, touch the button again.

- You can hear what the other party is saying.



[] : Displays the keypad screen. The call screen will be displayed as small while the keypad screen is displayed.

[] : Hang up during a call.

[] : Display the contact list in the submenu to make a call to another person.

- You can make a call to another person by touching the phone number during a call to make a call.

[] : Allows a call to be switched between the cellular phone and the multimedia system. During a cellular phone call, the button changes to blue.

[] : Cancel the pending call. Only displayed on hold.

[] : Reduce the call screen.

[] : Display the call screen in the main area.

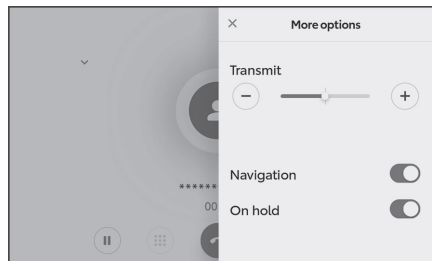
[] : Displays the option screen.

The following operations can be performed on the option screen.

- **[Transmit]** : Adjusts the transmission volume.

Changing the transmission volume may cause the sound quality to deteriorate.

- **[Navigation]** : Turn on or off to interrupt the navigation system voice guidance during a phone call.



- **[On hold]** : Temporarily puts the call on hold.
Turn off **[On hold]** to deactivate.
Depending on the model of cellular phone, it may not be possible to put calls on hold.
- **[✕]** : Returns to the call screen. If the call screen is returned to while a call is on hold, the held call can be released by displaying the option screen again.



INFORMATION

- Depending on the state of the multimedia system, the call screen may be reduced or not displayed.
- Switching calls may not be possible depending on the cellular phone model.
- Calls cannot be switched from the hands-free system to the cellular phone while driving. Switching calls may not be possible depending on the cellular phone model.
- If the cellular phone you are talking on is connected to the multimedia system as a hands-free phone, the call screen is displayed. Depending on the model of cellular phone, the call will either continue on the cellular phone or switch to a call on the multimedia system.
- If you operate the power switch during a call with a hands-free phone, the call may be disconnected or continued on the cellular phone depending on the cellular phone model. If you want to continue on your cellular phone, you may need to operate your cellular phone.

Related Links

[Operating with the steering switches\(P. 218\)](#)

[Changing sound and media settings\(P. 92\)](#)

Answering a second call

If you receive a second call from another party during an ongoing call, call-waiting can be used to handle both calls. When a second call is received, an incoming call notification is displayed at the top of the screen.

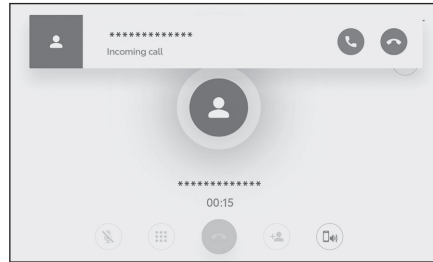
INFORMATION

- You must have a call waiting contract with your cellular phone provider.
- If the cellular phone does not support HFP Ver. 1.5 or later, call-waiting will not be available.
- Depending on the cellular phone model and subscription details, it may not be possible to use this function.

- **When receiving a second call,**
touch [] on the screen, or
press the [] switch on the steering.

Answering the second call places the previous call on hold.

The caller will be switched each time [Swap calls] is touched.



Related Links

[Operating with the steering switches\(P. 218\)](#)

Declining second calls

When a second call is received during another call, the call waiting call can be declined.

When receiving a second call, touch [].

INFORMATION

Depending on the model of cellular phone, both calls may be disconnected. Refer to the instruction manual included with the cellular phone.

Related Links

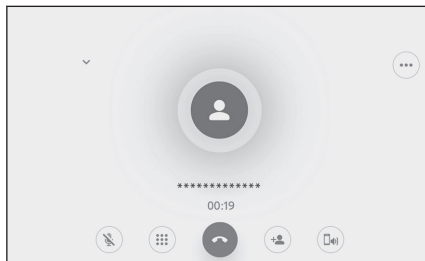
[Operating with the steering switches\(P. 218\)](#)

Making a call to another party during an ongoing call

You can call a new third party during an ongoing call.

- 1 Touch [] on the call screen.
- 2 Select the contact.
- 3 Select the phone number.

This function puts the other party on hold during a call.



INFORMATION

- You must have a call waiting contract with your cellular phone provider.
- If the cellular phone does not support HFP Ver. 1.5 or later, call-waiting will not be available.
- Depending on the cellular phone model and subscription details, it may not be possible to use this function.

Making conference calls

Add the person on hold when talking to another party while a call is on hold.

● **Touch [Merge calls] during an ongoing call with a third party.**

Calls on hold are taken off hold and switched to a conference call.



INFORMATION

- A subscription for conference calls may be needed to be purchased from your cellular phone provider.
- Depending on the cellular phone model and subscription details, it may not be possible to use this function.
- When the conference call ends, the call ends with all members of the conference call.

Ending calls

Several methods are available for ending a hands-free call.

- **Perform any of the following operations during a call.**

- Press the [] switch on the steering.

If the switch is pressed and held, all calls will be ended, including calls on hold.

- Touch [] while making a call or on the call screen.
- Operate the cellular phone to end the call.

Related Links

[Operating with the steering switches\(P. 218\)](#)

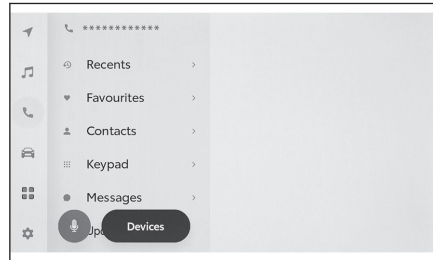
Switching phones for hands-free calls^{*1}

If two cellular phones are connected as hands-free phones, each cellular phone can be used. The hands-free system makes it possible to switch cellular phones. The hands-free phone screen displays the selected cellular phone data, such as contacts and history. Functions such as incoming calls can also be used with the unselected cellular phone.

To connect two cellular phones as hands-free phones, it is necessary to register and set a driver.

- 1 Touch [] from the main menu.
- 2 Touch [Devices].
- 3 Select the cellular phone you want to use.

A cellular phone that is on a call, receiving a call, or making a call cannot be selected.



INFORMATION

- If making a call from a screen other than the hands-free phone screen, the call is placed as the primary device.
- If you are on a hands-free call using either one of the devices, calls cannot be placed from the other device.
- When a hands-free call is being made by any of the hands-free phones and an incoming call is answered by another hands-free phone, the first call is disconnected.
- The following functions are also available on the unselected cellular phone.
 - Phone incoming call function
 - Message receiving and sending functions (when receiving a message)
- The primary device will not necessarily be changed even if the cellular phone is switched.

— Related Links —

[Registering a user profile\(P. 50\)](#)

[Changing and registering a user profile\(P. 58\)](#)

[Setting a Bluetooth® device as a primary device\(P. 118\)](#)

^{*1} : This function is not available in some countries or areas.

Transferring contact data

Up to 5,000 contacts can be registered for each connected cellular phone. Only the contacts corresponding to the connected cellular phone can be displayed. In the contacts, up to 4 phone numbers can be registered for each contact. Contacts are managed for each connected phone.

This function can only be used with cellular phones that support either manual contact data transfer (OPP) or automatic contact data transfer (PBAP). Refer to the included instruction manual or compatible profiles for the connected cellular phone, to determine whether it supports either of these.

To transfer contacts with automatic contact data transfer (PBAP), [**Sync contacts**] must be set to on in the Bluetooth® settings.

INFORMATION

- When transferring contact data, each data is subject to the following restrictions.
 - When five or more phone numbers are registered to a single contact, all phone numbers will be registered to the multimedia system as multiple contacts with the same name.
 - The name is transferred at the same time as the phone number.
Depending on the model, some letters, such as symbols, or all letters may not be transferred. Furthermore, even if they are transferred they may not be displayed correctly.
 - Typically, secret memory is not read. (It is possible in some cases, depending on cellular phone specifications)
 - The group names registered to the cellular phone are not transferred.
 - The phone number type shown in contacts on the multimedia system is automatically assigned based on information from the source device. However, depending on the model of cellular phone and usage environment, the icons may all be identical.
 - Depending on the model of cellular phone, the cellular phone's pin number and an authentication password may need to be entered when transferring contact data. In this case, please enter [1234] as the authentication password.
 - The contacts of cellular phones that do not support manual transfer (OPP) cannot be added or registered via Bluetooth®.
- Models of cellular phone that support batch transfer have the following characteristics when transferring contact data.
 - Transfer may take as long as 10 minutes.

- Even if the contact list transfer screen is being displayed, it is possible to switch to another screen. In this case, contact list transfer will continue.
- Events will be handled in the following way during contact list transfer.
 - If a call is received during a manual contact list transfer (OPP), the call will be received on the cellular phone itself. Calls cannot be made from the multimedia system during manual transfer.
 - If the cellular phone supports neither automatic contact list transfer (PBAP) nor manual contact list transfer (OPP), contact data cannot be transferred using Bluetooth®. Note that the contact data can be transferred using a USB flash drive.
 - If the power switch is turned off during contact list transfer, the transfer will be canceled. In this case, start the hybrid system and carry out transfer operations again.
- In the following cases, the contact data being transferred is not saved. (Some of the transferred data is not saved either.)
 - When automatic transfer (PBAP) ends in the middle due to the memory capacity of the multimedia system.
 - When automatic transfer (PBAP) is interrupted for some reason.
- The multimedia system's contact data cannot be transferred to the cellular phone.
- During contact list transfer, the Bluetooth® audio connection may be disconnected. It will be reconnected once transfer is complete. (Reconnection may not be possible for some models)
- When transferring, make sure the multimedia system has been started.
- The automatic contact list transfer (PBAP) function enables the transfer of contacts, favorites, and history to the multimedia system. Some cellular phone models do not allow favorites to be transferred.
- If **[Sync contacts]** is on, cellular phone favorites will be automatically transferred to the multimedia system.
- Depending on the model, it may be necessary to perform operations on the cellular phone when transferring contact data with automatic contact data transfer (PBAP).
- If automatic contact data transfer (PBAP) does not start, it may start if you end all other functions.
- If automatic contact data transfer (PBAP) does not start, it may start when all other functions have completed.
- To display contact images, set **[Display contact images]** to on in the Bluetooth® settings. To transfer the contact image data, **[Sync contacts]** and **[Display contact images]** must be set to on in the Bluetooth® settings.

Related Links

[Bluetooth® specifications and compatible profiles\(P. 109\)](#)

[Setting Bluetooth® devices\(P. 100\)](#)

Transferring cellular phone contact data using manual transfer (OPP)

The phone numbers (contact data) registered to the cellular phone can be transferred to the multimedia system using manual contact data transfer (OPP).

When **[Sync contacts]** is set to ON, **[Sync contacts]** turns off when the phone book transfer is complete.

Contact data cannot be transferred manually (with OPP) on a cellular phone that is using Apple CarPlay or Android Auto.

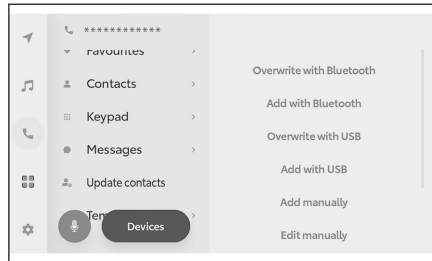
- 1 Touch [] from the main menu.
- 2 Touch **[Update contacts]**.
- 3 Select from the following transfer method.

[Overwrite with Bluetooth] : Overwrite current contact data.

[Add with Bluetooth] : Add to current contact data.

- 4 Operate the cellular phone to transfer contact data.

If a transfer failed screen is displayed, start over from the beginning.



Related Links

[Bluetooth® specifications and compatible profiles\(P. 109\)](#)

Transferring phone contact data from a USB flash drive

The phone numbers (contact data) registered to a USB flash drive can be transferred to the multimedia system.

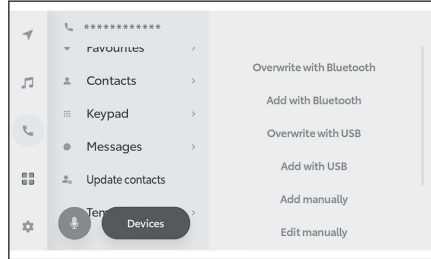
- When **[Sync contacts]** is set to ON, **[Sync contacts]** turns off when the phone book transfer is complete.
- This function cannot be used when connected to Apple CarPlay or Android Auto.
- Only contact data saved to a USB flash drive in vCard format (.vcf) can be transferred.

- Data cannot be transferred from a USB flash drive on its own. Make sure that the cellular phone can be used with the multimedia system before performing operations.

- 1 **Connect the USB flash drive to the USB Type-C port.**
- 2 **Touch [] from the main menu.**
- 3 **Touch [Update contacts].**
- 4 **Select from the following transfer method.**

[Overwrite with USB] : Overwrite current contact data with contact data on the USB flash drive.

[Add with USB] : Add contact data on the USB flash drive to current contact data.



- 5 **Select the files you want to transfer from the file list.**
- 6 **Touch [OK].**

If a transfer failed screen is displayed, start over from the beginning.



INFORMATION

Depending on the type of cellular phone, vCard data can be transferred as contact information using the cellular phone connected via USB. It may also be possible to transfer information from SD cards connected to the cellular phone.

Related Links

[Connecting a device via the USB Type-C port\(P. 38\)](#)

Adding new contact data to contacts

Contacts can be created by entering data directly into contacts on multimedia system. For each person in contact, the name, phone numbers (up to 4), and phone types (1 for each phone number, such as home or cellular) can be registered in contacts.

- New data can also be added from **[Modify contact list]** on the history screen to bring up the contacts editing screen.
- If **[Sync contacts]** is set to on, new multimedia system contacts cannot be added. Set **[Sync contacts]** to off before doing this.

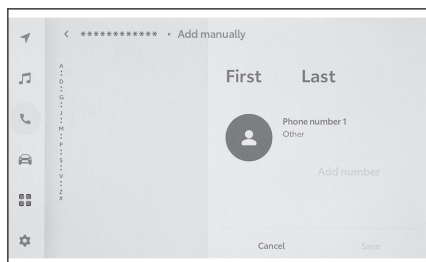
This function cannot be used when connected to Apple CarPlay or Android Auto.

- 1 Touch [] from the main menu.
- 2 Touch **[Update contacts]**.
- 3 Touch **[Add manually]**.
- 4 Select and enter each item.

- Touch **[Add number]** to set additional phone numbers.

If a phone number has not been entered, it is not possible to add a phone number.

- Select the phone type (such as home or cellular) of the phone number.



- 5 Touch **[Save]**.

An item cannot be registered unless a name and phone number have been entered.

Related Links

[Setting Bluetooth® devices\(P. 100\)](#)

[Making calls from call history\(P. 220\)](#)

Modifying data in contacts

Contact data that has been registered can be modified.

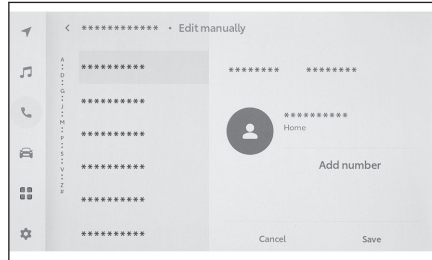
If **[Sync contacts]** is set to on, multimedia system contacts cannot be edited. Set **[Sync contacts]** to off before doing this.

This function cannot be used when connected to Apple CarPlay or Android Auto.

- 1 Touch [] from the main menu.

- 2 Touch [Update contacts].
- 3 Touch [Edit manually].
- 4 Select the contact you want to modify.
- 5 Select and enter each item.

- Touch [Add number] to set additional phone numbers.
- Touch the type (such as home or cellular) below the phone number to choose the phone type (such as home or cellular) of the phone number.



- 6 Touch [Save].

An item cannot be registered unless a name and phone number have been entered.

Related Links

[Setting Bluetooth® devices\(P. 100\)](#)

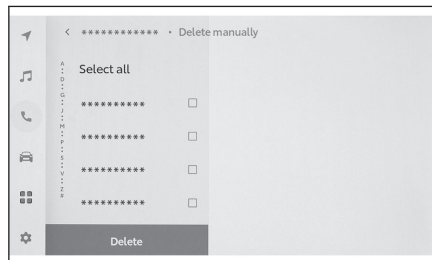
Deleting data in contacts

Contact data that has already been registered can be deleted.

If [Sync contacts] is set to on, multimedia system contacts cannot be deleted. Set [Sync contacts] to off before doing this.

This function cannot be used when connected to Apple CarPlay or Android Auto.

- 1 Touch [Phone] from the main menu.
- 2 Touch [Update contacts].
- 3 Touch [Delete manually].
- 4 Select the data you want to delete.
- 5 Touch [Delete] from the bottom of the submenu.



Related Links

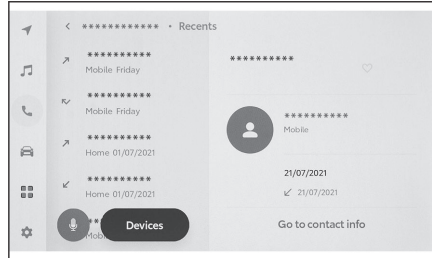
[Setting Bluetooth® devices\(P. 100\)](#)

Registering favorites

Frequently used contact data can be registered in favorites.

To use this function, set **[Sync contacts]** to off.

- 1 Touch [📞] from the main menu.
- 2 Touch **[Contacts]** or **[Recents]**.
- 3 Select the data you want to register.
- 4 Select [❤️] for the data item to be registered.



Related Links

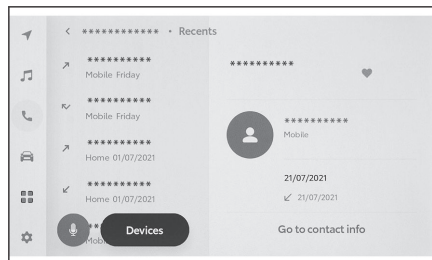
[Setting Bluetooth® devices\(P. 100\)](#)

Deleting favorites

Registered favorites can be deleted.

To use this function, set **[Sync contacts]** to off.

- 1 Touch [📞] from the main menu.
- 2 Touch **[Favourites]**, **[Contacts]**, or **[Recents]**.
- 3 Select the data you want to delete.
- 4 Select the [❤️] for the data item to be deleted.



Related Links

[Setting Bluetooth® devices\(P. 100\)](#)

Precautions when using the message function

Messages are transferred from the cellular phone connected for hands-free calls. The multimedia system can be used to check, reply, and send messages. Depending on the cellular phone model being connected, it may not be possible to transfer messages to the multimedia system. If the cellular phone does not support messaging, this function cannot be used.

This function can be used with cellular phones that support HFP and MAP. To check if a cellular phone is compatible with HFP and MAP, check the user's manual that came with the cellular phone, or its compatible profiles.

INFORMATION

- You need to enable the message sharing setting from your cellular phone settings.
- This function cannot be used during emergency calls.
- Depending on the cellular phone model, it may not be possible to use the e-mail function.
- Depending on the cellular phone model, it may not be possible to use the reply function.
- Cellular phone messages will be automatically transferred when each message function is used.
- Depending on the connected cellular phone model, it may be necessary to perform additional operations on the cellular phone.
- For SMS messages, the subject is not displayed.
- Depending on the cellular phone model, the subject name of a received MMS may not be displayed.
- If **[Auto read messages]** is on, messages are read aloud.
- Some information may not be displayed depending on your cellular phone model and registration status to the multimedia system.

— Related Links —

[Setting Bluetooth® devices\(P. 100\)](#)

[Bluetooth® specifications and compatible profiles\(P. 109\)](#)

Checking messages

Sent and received messages can be checked.

- 1 Touch [] from the main menu.
- 2 Touch **[Messages]**.
- 3 Select an account.

4 Select the message sender.

5 Select each item as necessary.

[] : Enlarges or minimizes the message screen.

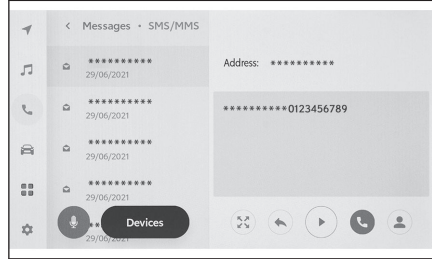
[] : Displays the reply to message screen.

[] : Reads the message aloud.*1
To stop the message being read aloud, touch [].

[] : Calls the message sender by phone.

Depending on the contact registration status, the phone number must be selected.

[] : Displays the contact information of the other party.



INFORMATION

While the message screen is enlarged with an e-mail, touch **[Mark Unread]** or **[Mark Read]** to mark the message as unread or read.

Related Links

[Replying to messages\(P. 245\)](#)

[Making calls from the message function\(P. 248\)](#)

[Making calls from contacts\(P. 222\)](#)

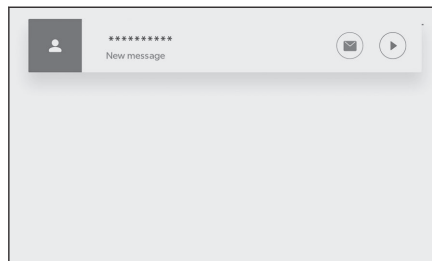
Checking new messages

When an e-mail or an SMS or MMS message is received, a new message notification is displayed at the top of the screen. While **[Voice support]** is on, voice control system starts.

● The following operations can be performed when a message is received.

[] : Displays the body of the message.

[] : Reads the message aloud.*1



*1 : This function is not available in some languages.

Related Links

[Changing the voice control settings\(P. 69\)](#)

[Replying to messages\(P. 245\)](#)

Replying to messages

Replies can be sent to received messages.

- 1 Touch [] from the main menu.
- 2 Touch [Messages].
- 3 Select an account.
- 4 Select the message sender.
- 5 Touch [].
- 6 Enter each item.

[Template] : Fill in the selected template message.

[] : Enter using the keyboard.

- 7 Touch [Send] to reply.



INFORMATION

Replies can also be sent with templates using voice control system. (SMS only)

Related Links

[Operating the system with voice control\(P. 39\)](#)

[Editing templates\(P. 246\)](#)

[Entering letters and numbers\(P. 27\)](#)

[Starting voice control\(P. 41\)](#)

Sending new messages

New e-mail or SMS messages can be sent. MMS is not supported.

- 1 Touch [] from the main menu.
- 2 Touch [Contacts].
- 3 Select recipients from your contact list.

6-8. How to use the message function

4 Select the desired [✉] or e-mail address.

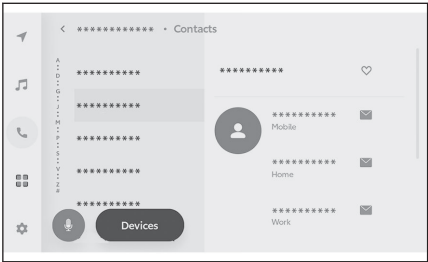
For email addresses, select the sender account.

5 Enter each item.

[Template] : Fill in the selected template message.

[✍] : Enter using the keyboard.

6 Touch [Send].



 INFORMATION

Reply templates can also be sent using the voice control system. (SMS only)

— Related Links —

[Operating the system with voice control\(P. 39\)](#)

[Editing templates\(P. 246\)](#)

[Entering letters and numbers\(P. 27\)](#)

[Starting voice control\(P. 41\)](#)

Editing templates

Templates can be edited.

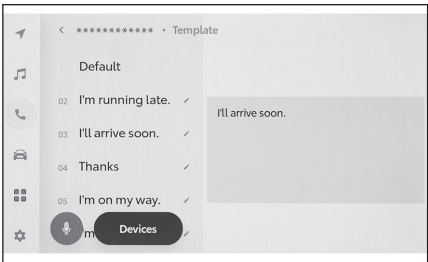
1 Touch [📞] from the main menu.

2 Touch [Template].

3 Touch [✍] of the template to edit.

4 Enter the template and save.

Touch [Default] to initialize all the template sets.



 INFORMATION

- The templates are set separately for each cellular phone.
- Editing some templates may not be possible.

Related Links

[Replying to messages\(P. 245\)](#)

[Sending new messages\(P. 245\)](#)

Making calls from the message function

Hands-free calls can be made using the message function.

● Touch the blue number to make a call.

Consecutive numbers may be recognized as phone numbers. In addition, some phone numbers, such as phone numbers from other countries, may not be recognized.

Making calls from the e-mail, SMS, or MMS message screen

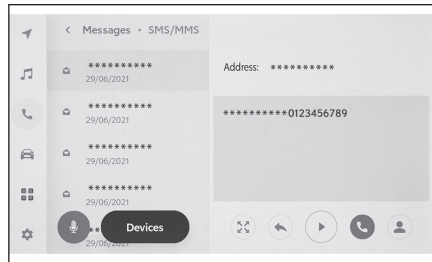
Email, SMS, and MMS senders can be called.

- For e-mail, a phone number must be registered in the same contact data.
- For MMS, the phone number may need to be registered to the same contact data.

- 1 Touch [] from the main menu.
- 2 Touch [Messages].
- 3 Select an account.
- 4 Select the message sender.

5 Touch [] or press the [] switch on the steering.

Depending on the contact registration status, the phone number must be selected.



Related Links

[Operating with the steering switches\(P. 218\)](#)

7-1. Web browser (Internet)

About web browser (Internet) function **250**

Displaying the web browser screen **251**

Operating the web browser screen **252**

About web browser (Internet) function*¹

By connecting to the internet, websites (news sites, blogs, streaming music sites, video sites, etc.) can be viewed.

INFORMATION

To use the web browser function, it is necessary for the vehicle Wi-Fi® to be connected to an access point.

WARNING

For safety, only watch website after completely stopping the vehicle and applying the parking brake or changing the shift position to "P". (Only audio is output while driving.)

*1 : With built-in navigation system

Displaying the web browser screen

- 1 Touch [] from the main menu.
- 2 Touch [Web browser].

The web browser screen is displayed.

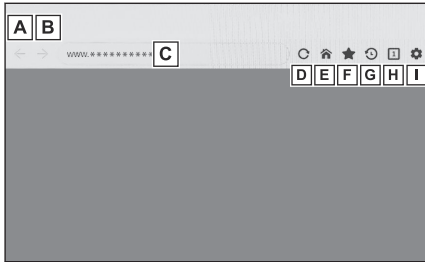


INFORMATION

- Only websites which use "HTTPS"(secure connection) can be accessed.
- Depending on the website, it may not be displayed correctly.
- Some websites cannot be displayed or transitioned.
- Some websites may not display some characters.
- Depending on the content, you may not be able to play video or audio.
- It may take some time to display depending on the resolution of the video and image and the communication environment.
- Copyright-protected video content cannot be played.
- Do not enter any information such as credit card information or bank account information.
- Some functions cannot be used, such as downloading files and logging in to websites.
- Web browser does not support voice input on websites. (voice dictation, etc.)

Operating the web browser screen

The web browser screen can be operated by touching displayed items on a page or the toolbar at the top of the web browser screen.



A Return to the previous page.

B Proceed to the next page.

C Displays the URL of the page.

Touch to enter a URL and display the corresponding page.

D Reload the displayed page.

While a page is reloading, the button will change to [X]. Touch [X] to cancel reloading of the page.

E Display the home page.

F Display the bookmark management screen.

By touching the name of a bookmark on the management screen, the corresponding page will be displayed.

G Display the browsing history management screen.

By touching the name of a page on the management screen, the corresponding page will be displayed.

H Display the tab management screen.

By touching the name of a tab on the management screen, the corresponding tab will be displayed.

I Display the settings screen.

INFORMATION

- While a page is being reloaded, the status can be checked by the changing of the background color of the toolbar.
- By touching and holding text on the screen, text can be selected to copy. To copy the text, touch the copy button. Copied text can then be pasted into the URL display area by touching it.

Related Links

Managing bookmarks(P. 253)

Managing Browsing history(P. 254)

Managing tab(P. 254)

Setting web browser function(P. 255)

Managing bookmarks

Bookmarks can be registered/edited/deleted on the bookmark management screen.

1 Touch [★] on the toolbar.

2 Touch the desired items.

A Close the bookmark management screen.

B Displays the URL of the last displayed page.

Touch to edit the URL.

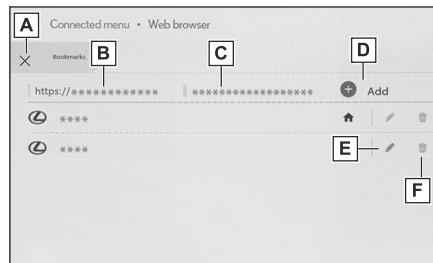
C Displays the bookmark name for the most recently displayed page.

The bookmark name can be edited by touching it.

D Add a bookmark with the content entered in **B** and **C**.

E Edit bookmarks.

F Delete bookmarks.



INFORMATION

Up to 100 bookmarks can be saved.

Editing bookmark

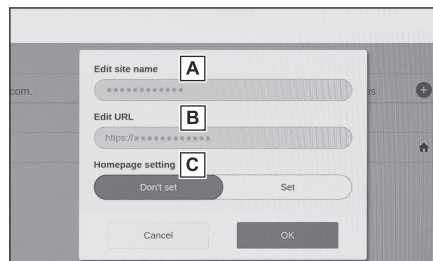
The bookmark name and URL can be edited and a bookmark can be set as the homepage.

A Edit the bookmark name.

B Edit the bookmark URL.

C By touching [Set] the page registered to the bookmark can be set as the homepage.

The [🏠] icon is displayed for the bookmark which is set as the homepage.



7-1. Web browser (Internet)

When done editing, touch [OK] to return to the bookmark management screen.

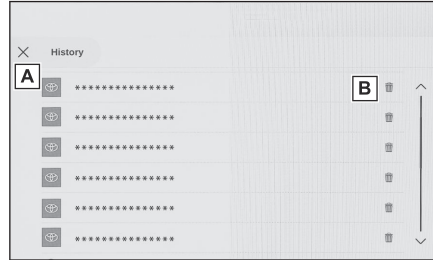
Managing Browsing history

Browsing history can be deleted on the browsing history management screen.

1 Touch [🔄] on the toolbar.

2 Touch the desired item.

- A Close the browsing history management screen.
- B Delete the browsing history.



INFORMATION

Up to 100 items can be saved in the browsing history. If the browsing history exceeds 100 items, the oldest history will be deleted automatically.

Managing tab

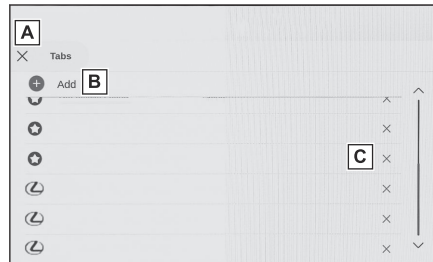
Tabs can be changed to/added/closed on the tab management screen.

1 Touch [1] on the toolbar.

The number displayed in [1] is the number of tabs currently open.

2 Touch the desired item.

- A Close the tab management screen.
- B Add a new tab. If the added tab is touched, the home screen will be displayed.
- C Delete the tab.



INFORMATION

- Up to 10 tabs can be opened.
- When a new tab is opened, video or music being played back may stop.

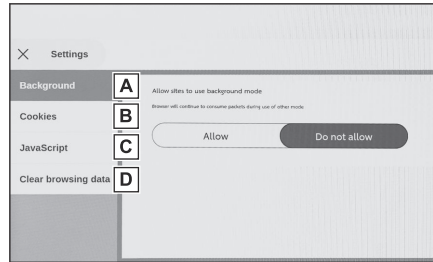
Setting web browser function

Settings related to the web browser function can be changed.

1 Touch [] on the toolbar.

2 Touch the desired item.

- A Enable/disable operation of the web browser in the background while using other functions.
- B Enable/disable saving and loading of cookie data, and to block/un-block third party cookies.
- C Enable/disable use of JavaScript.
- D Delete browsing history, cookies and other site data, and cached images and files.



INFORMATION

If **[Background]** is set to **[Allow]**, data transfer will occur even when using other functions.

8-1. Rear view monitor system

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function **258**

Rear view monitor system
precautions **260**

8-2. Panoramic view monitor

Panoramic view monitor
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shift position is in "P" **271**

Display mode when the
shift position is in "D" or
"N" **273**

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shift position is in "R" **281**

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side rear view mirrors are
folded **289**

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derfloor vision **291**

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Changing the panoramic
view monitor settings **295**

Precautions for the panor-
amic view monitor **297**

8-1. Rear view monitor system

Rear view monitor system function*

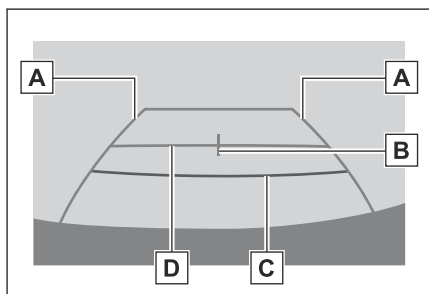
The rear view monitor system assists the driver by displaying an image of the view behind the vehicle with fixed guide lines on the screen while backing up, for example while parking.

INFORMATION

The screen illustrations used in this text are intended as examples, and may differ from the image that is actually displayed on the screen.

Displaying the rear view monitor system screen

The rear view monitor system screen will be displayed if the shift position is shifted to the "R" position while the power switch is in ON.



A Vehicle width guide line

Displays a guide path when the vehicle is being backed straight up.

The displayed width is wider than the actual vehicle width.

B Vehicle center guide line

This line indicates the estimated vehicle center on the ground.

C Distance guide line

Shows distance behind the vehicle.

Displays a point approximately 0.5 m (1.5 ft.) (red) from the edge of the bumper.

D Distance guide line

Shows distance behind the vehicle.

Displays a point approximately 1 m (3 ft.) (blue) from the edge of the bumper.

WARNING

The rear vehicle width guide lines are wider than the actual width of the vehicle. Always make sure to visually check behind you and your surroundings when you are reversing.

* : If equipped

Turning off the rear view monitor system

The rear view monitor system is canceled when the shift position is shifted into any position other than the "R" position.

Rear view monitor system precautions

Driving precautions

The rear view monitor system is a supplemental device intended to assist the driver when backing up. When backing up, be sure to visually check all around the vehicle both directly and using the mirrors before proceeding. If you do not, you may hit another vehicle, and could possibly cause an accident.

Pay attention to the following precautions when using the rear view monitor system.

WARNING

- Never depend on the rear view monitor entirely. Always make sure to visually check behind you and your surroundings as you would when driving any other vehicle. In particular, be careful not to collide with vehicles parked nearby or other objects.
- Always make sure to visually check behind you and your surroundings while you are driving.
- Never drive while looking only at the screen. The image on the screen may be different to the actual conditions. Moreover, there is a limit to the range of image that the camera can capture. Never turn or reverse only looking at the screen. Doing so may result in a collision with another vehicle or some other unforeseen accident. Be sure to visually check the vehicle's surroundings and use the vehicle's rear-view and side mirrors.
- The position of the guide lines displayed on the screen may change due to factors such as number of passengers, load weight, and road gradient. Always make sure to visually check behind you and your surroundings while you are driving.
- Do not use the rear view monitor system in the following cases:
 - On icy or slick road surfaces, or in snow
 - When using tyre chains or emergency tyres
 - When the back door is not closed completely
 - On roads that are not flat or straight, such as curves or slopes
 - If the tyres of a size other than specified by Toyota are installed
 - If the suspension has been modified
 - If a non-Toyota product is installed on the area displayed on the screen
- In low temperatures, the screen may darken or the image may become faint. The image could distort when the vehicle is moving, or you may become unable to see the image on the screen. Be sure to visually check all around the vehicle both directly and using the mirrors before proceeding.

⚠ WARNING

- If the tyre sizes are changed, the position of the fixed guide lines displayed on the screen may change.
- The camera uses a special lens. The distances between objects and pedestrians that appear in the image displayed on the screen will differ from the actual distances.

⚠ NOTICE

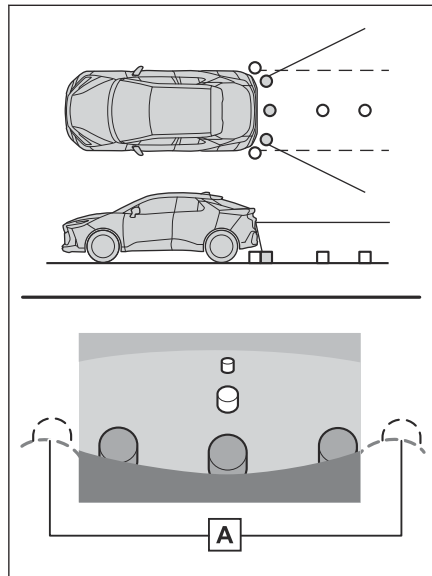
- The camera may not function correctly and the image may be displayed on the screen in the following manner:
 - When the shift position is in "R", part or all of the screen may appear black
 - When the shift position is in "R", the screen may not change to the camera image
 - When a shift position other than "R" is selected, the image from the camera may remain displayed
 - The guide lines are not displayed on the camera image, and attention symbols and caution notices are displayed

Area displayed on the screen

The rear view monitor system displays an image of the view from the bumper of the rear area of the vehicle.

A Corners of bumper

The area around both corners of the bumper will not be displayed.

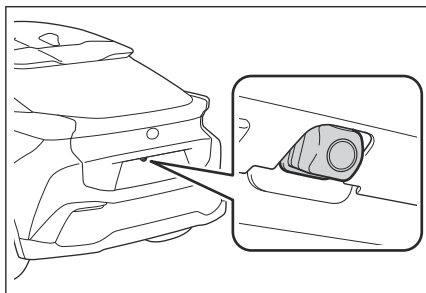


INFORMATION

- The image adjustment procedure for the rear view monitor system screen is the same as the procedure for adjusting the screen.
- The area displayed on the screen may vary according to vehicle orientation conditions.
- Objects which are close to either corner of the bumper or under the bumper cannot be displayed.
- The camera uses a special lens. The distance of the image that appears on the screen differs from the actual distance.
- Items which are located higher than the camera may not be displayed on the monitor.

Camera position

The camera for the rear view monitor system is located as shown in the illustration.



Cleaning the camera

If dirt or foreign matter (such as water droplets, snow, mud, etc.) is adhering to the camera, it cannot transmit a clear image. In this case, flush it with a large quantity of water and wipe the camera lens clean with a soft and wet cloth.

NOTICE

- The rear view monitor system may not operate properly in the following cases.
 - If the back of the vehicle is hit, the position and mounting angle of the camera may change.
 - As the camera has a water proof construction, do not detach, disassemble or modify it. This may cause incorrect operation.
 - When cleaning the camera lens, flush the camera with a large quantity of water and wipe it with a soft and wet cloth. Strongly rubbing the camera lens may cause the camera lens to be scratched and unable to transmit a clear image.

⚠ NOTICE

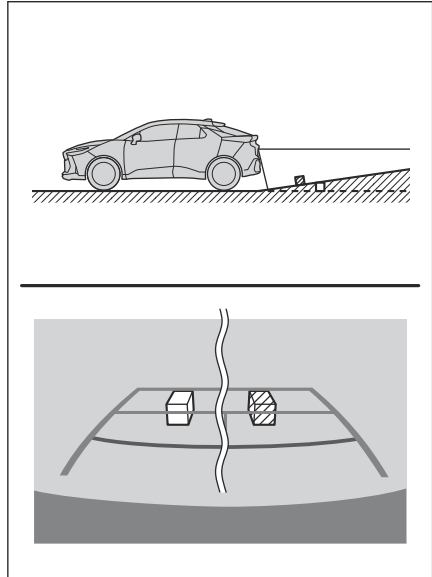
- Do not allow organic solvent, car wax, window cleaner or a glass coating to adhere to the camera. If this happens, wipe it off as soon as possible.
- If the temperature changes rapidly, such as when hot water is poured on the vehicle in cold weather, the system may not operate normally.
- When washing the vehicle, do not apply intensive bursts of water to the camera or camera area. Doing so may result in the camera malfunctioning.
- Do not expose the camera to strong impact as this could cause a malfunction. If this happens, have the vehicle inspected by any Toyota retailer or Toyota authorized repairer, or any reliable repairer as soon as possible.

Differences between the screen and the actual road

- The distance guide lines and the vehicle width guide lines may not actually be parallel with the dividing lines of the parking space, even when they appear to be so. Be sure to check visually.
- The distances between the vehicle width guide lines and the left and right dividing lines of the parking space may not be equal, even when they appear to be so. Be sure to check visually.
- The distance guide lines give a distance guide for flat road surfaces. In any of the following situations, there is a margin of error between the fixed guide lines on the screen and the actual distance/ course on the road.

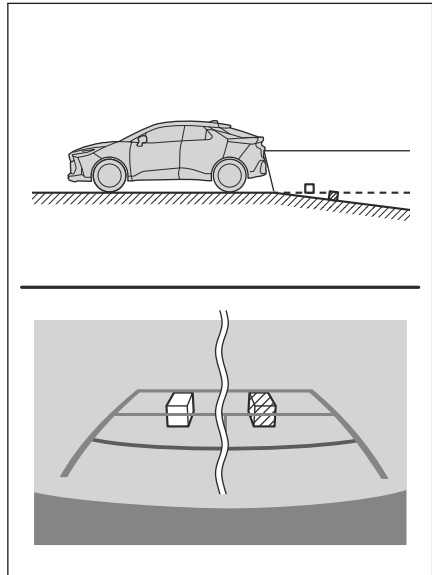
■ When the ground behind the vehicle slopes up sharply

The distance guide lines will appear to be closer to the vehicle than the actual distance. Because of this, objects will appear to be farther away than they actually are. In the same way, there will be a margin of error between the guide lines and the actual distance/course on the road.



■ When the ground behind the vehicle slopes down sharply

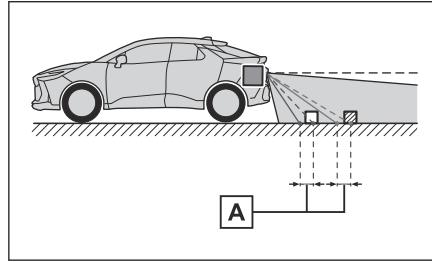
The distance guide lines will appear to be farther from the vehicle than the actual distance. Because of this, objects will appear to be closer than they actually are. In the same way, there will be a margin of error between the guide lines and the actual distance/course on the road.



■ When any part of the vehicle sags

When any part of the vehicle sags due to the number of passengers or the distribution of the load, there is a margin of error between the fixed guide lines on the screen and the actual distance/course on the road.

A A margin of error



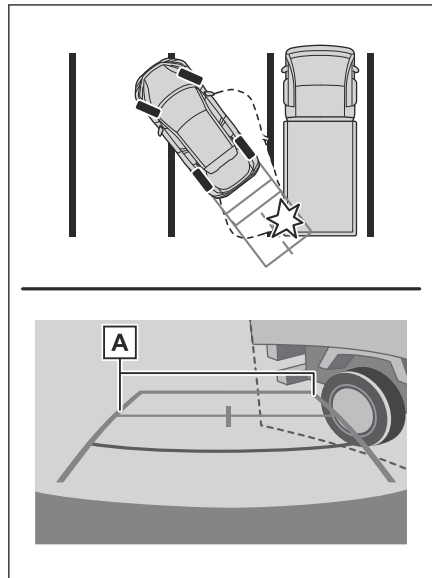
Differences between the screen and actual 3D objects

The distance guide lines are displayed according to flat surfaced objects (such as the road). It is not possible to determine the position of three-dimensional objects (such as vehicles) using the vehicle width guide lines and distance guide lines. When approaching a three-dimensional object that extends outward (such as the flatbed of a truck), be careful of the following.

■ Vehicle width guide lines

Visually check the surroundings and the area behind the vehicle. In the case shown below, the truck appears to be outside of the vehicle width guide lines and the vehicle does not look as if it hits the truck. However, the rear body of the truck may actually cross over the vehicle width guide lines. In reality if you back up as guided by the vehicle width guide lines, the vehicle may hit the truck.

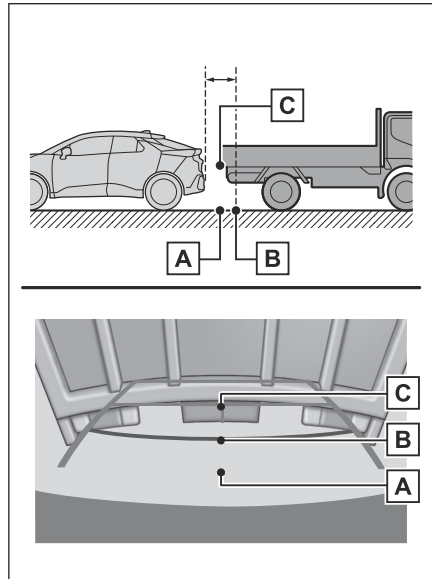
A Vehicle width guide lines



8-1. Rear view monitor system

Distance guide lines

Visually check the surroundings and the area behind the vehicle. On the screen, it appears that a truck is parking at point **B**. However, in reality if you back up to point **A**, you will hit the truck. On the screen, it appears that **A** is closest and **C** is farthest away. However, in reality, the distance to **A** and **C** is the same, and **B** is farther than **A** and **C**.



If you notice any symptoms

If you notice any of the following symptoms, refer to the likely cause and the solution, and re-check.

If the symptom is not resolved by the solution, have the vehicle inspected by any Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Symptom	Likely cause	Solution
The image is difficult to see	● The vehicle is in a dark area ● The temperature around the lens is either high or low ● The outside temperature is low ● There are water droplets on the camera ● It is raining or humid ● Foreign matter (mud etc.) is adhering to the camera ● Sunlight or headlights are shining directly into the camera ● The vehicle is under fluorescent lights, sodium lights, mercury lights etc.	Back up while visually checking the vehicle's surroundings. (Use the monitor again once conditions have been improved.) The procedure for adjusting the picture quality of the rear view monitor system is the same as the procedure for adjusting the screen.

Symptom	Likely cause	Solution
The image is blurry	Dirt or foreign matter (such as water droplets, snow, mud etc.) is adhering to the camera.	Flush the camera with a large quantity of water and wipe the camera lens clean with a soft and wet cloth.
The image is out of alignment	The camera or surrounding area has received a strong impact.	Have the vehicle inspected by any Toyota retailer or Toyota authorized repairer, or any reliable repairer.
The fixed guide lines are very far out of alignment	The camera position is out of alignment.	Have the vehicle inspected by any Toyota retailer or Toyota authorized repairer, or any reliable repairer.
	● The vehicle is tilted (there is a heavy load on the vehicle, tyre pressure is low due to a tyre puncture, etc.) ● The vehicle is used on an incline.	If this happens due to these causes, it does not indicate a malfunction. Back up while visually checking the vehicle's surroundings.

Related Links

[Changing the screen display settings\(P. 67\)](#)

Panoramic view monitor functions*

The panoramic view monitor is a device that assists you in driving at low speeds by displaying seamless vision from above the vehicle on the screen that is a composite of images from the front, side, and rear cameras installed on the vehicle.

INFORMATION

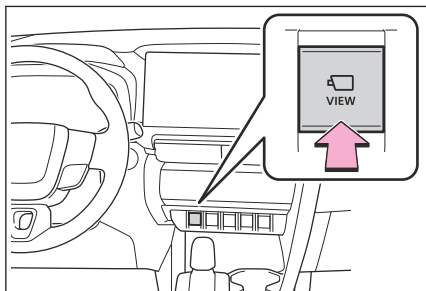
The illustrations of screens used in the descriptions are examples and may differ to the actual vision from the camera due to vehicle glare and such like.

WARNING

- The panoramic view monitor is a device that assists you in checking around the vehicle. Always make sure to visually check your surroundings while you are driving.
- Due to the characteristics of the camera lens, the actual position and distance of people and obstacles differ from what appears on the screen.

Camera switch

Displays the panoramic view monitor and switches the display mode.

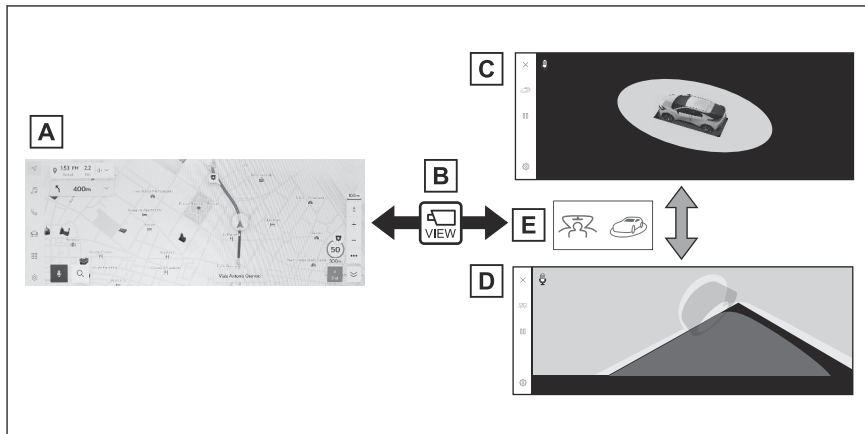


Displaying the panoramic view monitor screen

When you press the camera switch or shift the shift position to "R" while the power switch is in ON, the panoramic view monitor operates.

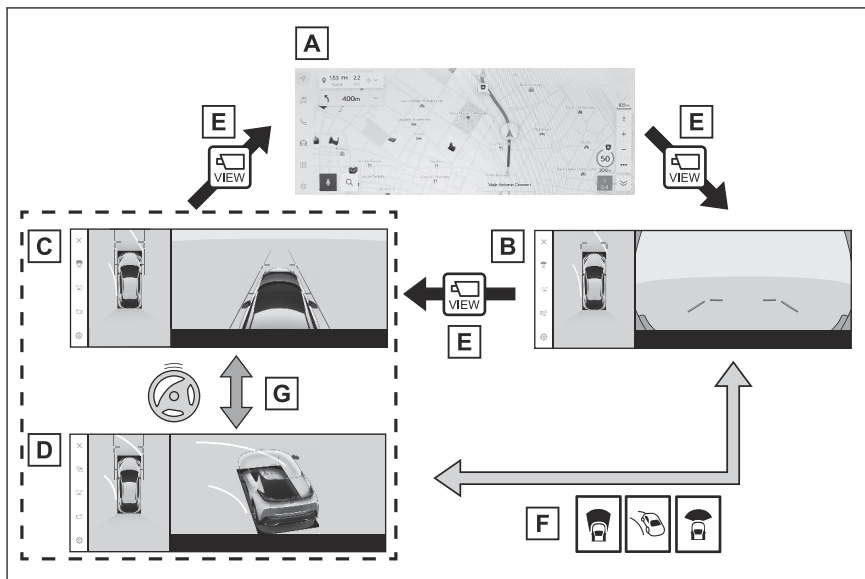
* : If equipped

■ Display mode when the shift position is in “P”



- A Navigation screen, audio screen, etc.
- B Pressing the camera switch
- C Moving view
- D See-through view
- E Touch the display mode switching button

■ Display mode when the shift position is in “D” or “N”

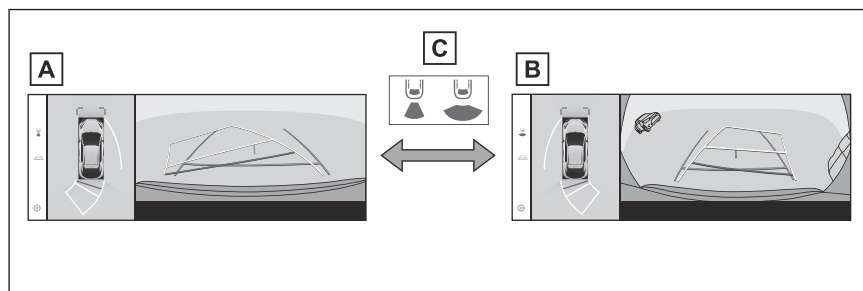


- A Navigation screen, audio screen, etc.
- B Wide front view & panoramic view

8-2. Panoramic view monitor

- C** Side clearance view & panoramic view
- D** Cornering view & panoramic view
- E** Pressing the camera switch
- F** Touch the display mode switching button
- G** When the steering wheel is turned by 180 degrees or more from the center (straight-line) position

■ Display mode when the shift position is in “R”



- A** Rear view & panoramic view
- B** Wide rear view & panoramic view
- C** Touch the display mode switching button

📄 INFORMATION

- If you press the camera switch when the vehicle is moving at about 20 km/h (12 mph) or less, the panoramic view monitor screen will be displayed. When the vehicle exceeds about 20 km/h (12 mph), the panoramic view monitor screen will disappear and the previous screen will be displayed.
- The guide lines mode and other display settings can be saved by registering the user profile.
- The voice control system can be used to display the panoramic view monitor screen, change the screen mode and for other operations.*1

— Related Links —

[Registering a user profile\(P. 50\)](#)

[Starting voice control\(P. 41\)](#)

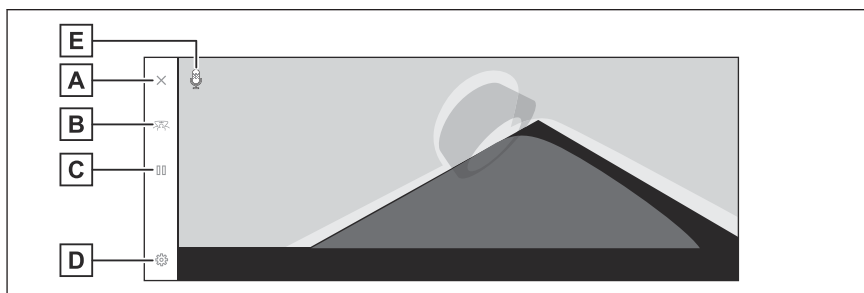
*1 : This function is not available in some countries or areas.

Display mode when the shift position is in "P"

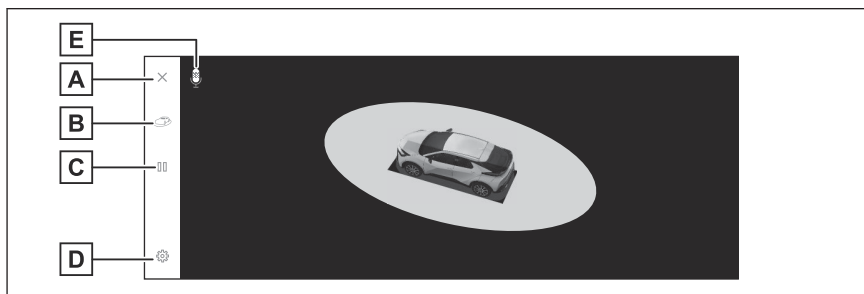
This is a mode that displays images combined from the cameras to enable you to check obstacles around the vehicle. Images are displayed as if seen from the driver's seat and on an angle from above the vehicle.

1. Shift the shift position to "P".
2. Press the camera switch.
 - The mode changes every time the display mode switching button is touched.
 - Pressing the camera switch again returns the display to the previous screen, such as the navigation screen.

See-through view



Moving view



A Screen off button

Turns off the camera screen and returns the previous screen, such as the navigation.

B Display mode switching button

Switches between see-through view and moving view.

C Rotation pause/resume button

Pauses and resumes the rotation of the display.

D Customize settings button

8-2. Panoramic view monitor

Changes settings, such as the automatically display cornering view, the vehicle body color, the Toyota parking assist-sensor detection distance.

Voice recognition icon^{*1}

This icon is displayed when the voice control system is in operation.

INFORMATION

- When the Toyota parking assist-sensor is turned on, you can display see-through view or moving view. (For details about the Toyota parking assist-sensor, see the vehicle "Owner's manual".)
- You can also pause and resume the rotation of the see-through view and moving view screen by touching any point on the screen.

Related Links

[Changing the panoramic view monitor settings\(P. 295\)](#)

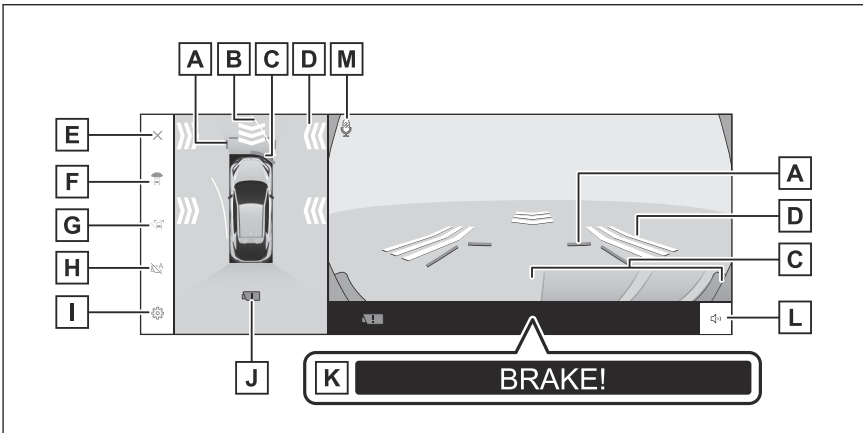
^{*1} : This function is not available in some countries or areas.

Display mode when the shift position is in "D" or "N"

You can check for nearby pedestrians, bicycles, and vehicles at intersections with poor visibility and T-junctions by displaying vision of your surroundings on the screen. This mode also provides support to check both sides of the vehicle for safety, avoid collisions on narrow roads, and pulling over to the side of the road.

1. Shift the shift position to "D" or "N".
2. Press the camera switch.
 - The mode changes every time you press the camera switch.
 - If the cornering view mode is on and you turn the steering wheel more than 180 degrees from the straight position, the display will change from side clearance view & panoramic view to cornering view & panoramic view.

■ Wide front view & panoramic view



- A** Front distance guide lines
Displays about 1 m (3 ft.) in front of the vehicle.
- B** Forward estimated course lines
Displays course lines that are linked to operation of the steering wheel. (Yellow)
These lines are displayed when the steering wheel is turned more than 90 degrees from the straight position.
- C** Toyota parking assist-sensor
Displays an indicator on the screen and sounds a buzzer when an object is detected by a sensor. (For details about the Toyota parking assist-sensor, see the vehicle "Owner's manual".)
- D** Moving objects alert

8-2. Panoramic view monitor

If moving objects alert detects nearby vehicles and/or obstacles from the front or side of the vehicle, an indicator is displayed on the screen.

E Screen off button

Turns off the camera screen and returns the previous screen, such as the navigation.

F Display mode switching button

Switches display mode every time touch the button.

G Guide line switching button

Switches guide line mode every time touch the button.

H Automatic display button

Turns auto display mode on or off. When the shift position is in "D" or "N", wide front view & panoramic view or side clearance view/cornering view & panoramic view will be automatically displayed in accordance with the vehicle speed.

I Customize settings button

Changes settings, such as the automatically display cornering view, the vehicle body color, the Toyota parking assist-sensor detection distance.

J Camera dirt detection icon

This icon is displayed when dirt is detected on the camera.

K PKSB (Parking Support Brake)*¹

If an obstacle that you may collide with is detected, a message is displayed on the screen. (For details about PKSB (Parking Support Brake), see the vehicle "Owner's manual".)

L Mute button

This button temporarily mutes the Toyota parking assist-sensor sound.

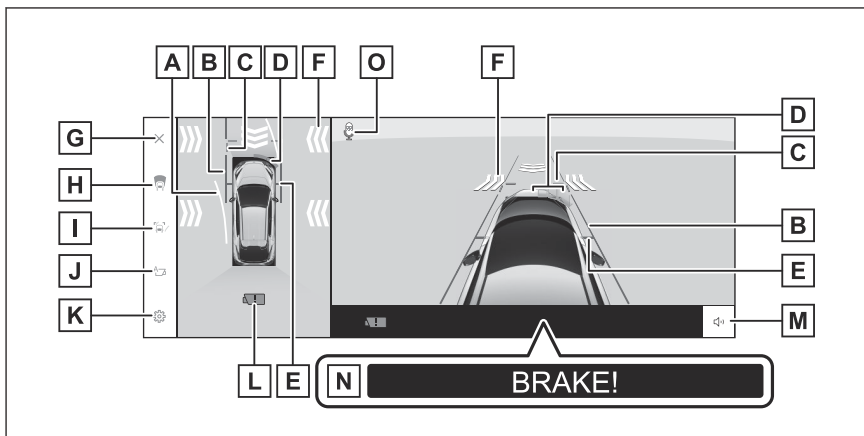
M Voice recognition icon*²

This icon is displayed when the voice control system is in operation.

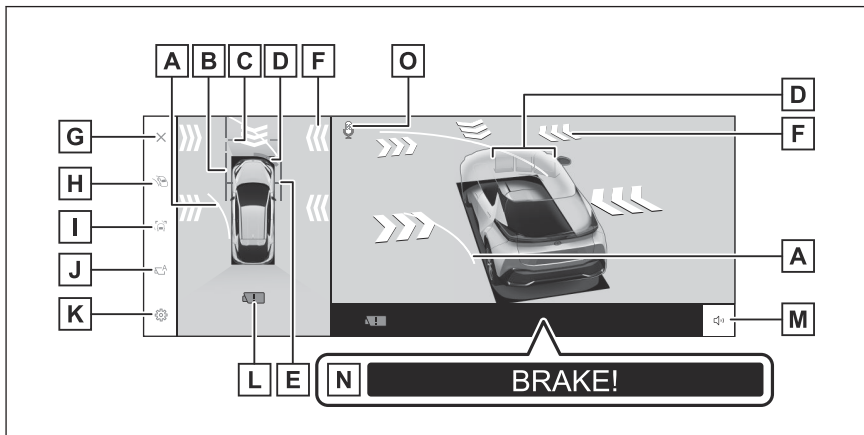
*1 : If equipped

*2 : This function is not available in some countries or areas.

Side clearance view & panoramic view



Cornering view & panoramic view



A Forward estimated course lines

Displays course lines that are linked to operation of the steering wheel. (Yellow)
These lines are displayed when the steering wheel is turned more than 90 degrees from the straight position.

B Vehicle width guide lines

Shows guide lines of the vehicle's width including the outside rear view mirrors.

C Front distance guide lines

Displays about 1 m (3 ft.) in front of the vehicle.

D Toyota parking assist-sensor

Displays an indicator on the screen and sounds a buzzer when an object is detected by a sensor. (For details about the Toyota parking assist-sensor, see the vehicle "Owner's manual".)

8-2. Panoramic view monitor

Front tire guide lines

Displays the position of the front tires.

Moving objects alert

If moving objects alert detects nearby vehicles and/or obstacles from the front or side of the vehicle, an indicator is displayed on the screen.

Screen off button

Turns off the camera screen and returns the previous screen, such as the navigation.

Display mode switching button

Switches display mode every time touch the button.

Guide line switching button

Switches guide line mode every time touch the button.

Automatic display button

Turns the auto display mode on or off. When the shift position is in "D" or "N", wide front view & panoramic view or side clearance view/cornering view & panoramic view will be automatically displayed in accordance with the vehicle speed.

Customize settings button

Changes settings, such as the automatically display cornering view, the vehicle body color, the Toyota parking assist-sensor detection distance.

Camera dirt detection icon

This icon is displayed when dirt is detected on the camera.

Mute button

This button temporarily mutes the Toyota parking assist-sensor sound.

PKSB (Parking Support Brake)*¹

If an obstacle that you may collide with is detected, a message is displayed on the screen. (For details about PKSB (Parking Support Brake), see the vehicle "Owner's manual".)

Voice recognition icon*²

This icon is displayed when the voice control system is in operation.

INFORMATION

- When the Toyota parking assist-sensor is turned on, you can display side clearance view & panoramic view/cornering view. (For details about the Toyota parking assist-sensor, see the vehicle "Owner's manual")
- The display position of the Toyota parking assist-sensor may not match the position of the obstacle displayed in the camera image.

*1 : If equipped

*2 : This function is not available in some countries or areas.

⚠ WARNING

- The position of the guide lines displayed on the screen may change due to factors such as number of passengers, load weight, and road gradient. Always make sure to visually check behind you and your surroundings while you are driving.
- The Toyota parking assist-sensor display is overlapped and displayed on the camera image, so it may be difficult to see depending on the brightness of the surroundings and colors.

Related Links

[Changing the guide line display mode\(P. 277\)](#)

[Auto display mode\(P. 278\)](#)

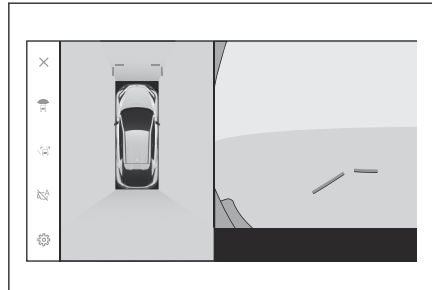
[Changing the panoramic view monitor settings\(P. 295\)](#)

Changing the guide line display mode

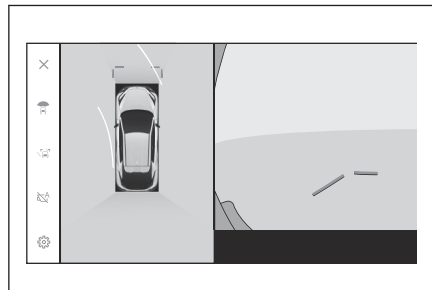
The guide line display mode changes every time the guide line display mode button is touched.

■ Distance guide lines mode

Displays about 1 m (3 ft.) in front of the vehicle. (blue)

**■ Estimated course lines mode**

Displays course lines that are linked to operation of the steering wheel. (Yellow) These lines are displayed when the steering wheel is turned more than 90 degrees from the straight position.



Auto display mode

Although you can display wide front view & panoramic view and side clearance view & panoramic view/cornering view by pressing the camera switch, you can also set auto display mode to display the views automatically in accordance with the vehicle speed.

- Touching the automatic display button [] turns on auto display mode.
- Turning on auto display mode automatically displays the views in the following situations:
 - When the shift position is in "D" or "N"
 - The vehicle decelerates to less than 10 km/h (6 mph) (the shift position is in any position other than "R")

Cornering view auto display

You can set the cornering view auto display mode to automatically display cornering view & panoramic view in accordance with the operation of the steering wheel.

- Turning on cornering view auto display mode automatically displays cornering view in the following situations:
 - When the shift position is in "D" or "N"
 - The vehicle decelerates to less than 12 km/h (7 mph)
 - When the steering wheel is turned by 180 degrees or more from the center (straight-line) position



INFORMATION

You can change cornering view auto mode in the custom settings.

Related Links

[Changing the panoramic view monitor settings\(P. 295\)](#)

Toyota parking assist-sensor linked display

Depending on the Toyota parking assist-sensor detection state, wide front view & panoramic view/Side clearance view/Cornering view & panoramic view will be displayed.

- The views are displayed automatically when the Toyota parking assist-sensor detects an obstacle (when the shift position is in "D" or "N").
- The display returns to the previous screen automatically when the Toyota parking assist-sensor stops detecting an obstacle.

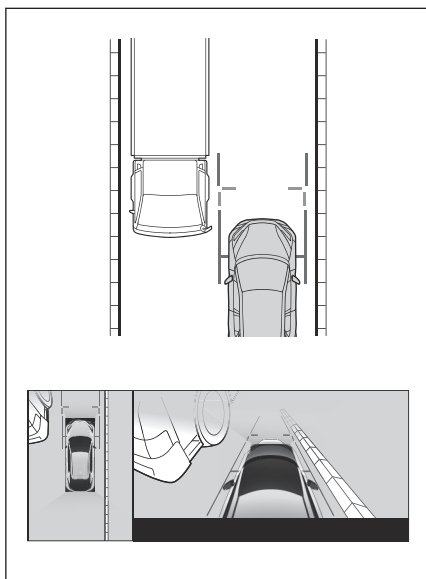
INFORMATION

- You can also return to the previous screen by pressing the camera switch displayed on the screen.
- If the panoramic view monitor screen is canceled when an obstacle is detected, the panoramic view monitor screen can be displayed again by touching the Toyota parking assist-sensor mark shown on the multimedia system screen.

Using the vehicle width guide lines

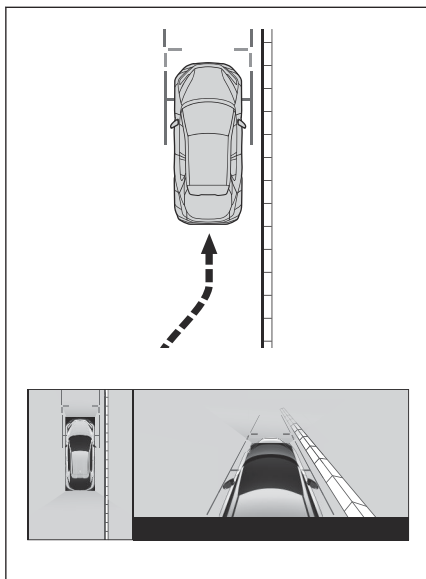
■ Side clearance view & panoramic view

- Check the positional relationship between the vehicle width guide lines and an obstacle.
- Turn the steering wheel and drive forward so that the vehicle width guide lines do not overlap the actual obstacle.



8-2. Panoramic view monitor

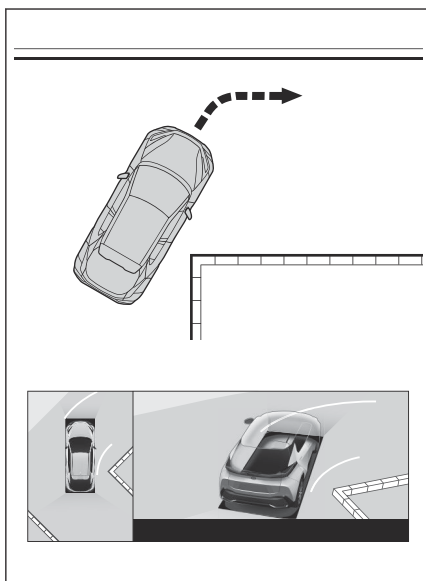
- Check the positional relationship between the vehicle width guide lines and an object such as curbs on the shoulder of a road.
- Pull the vehicle over so that the vehicle width guide lines do not overlap the obstacle as shown in the figure.
- By driving with the vehicle width guide lines parallel to the object, you can park alongside the object.



Using the forward estimated course lines

■ Cornering view & panoramic view

- Check the positional relationship between the forward estimated course lines and an obstacle.
- Turn the steering wheel and drive forward so that the forward estimated course lines do not overlap the actual obstacle.



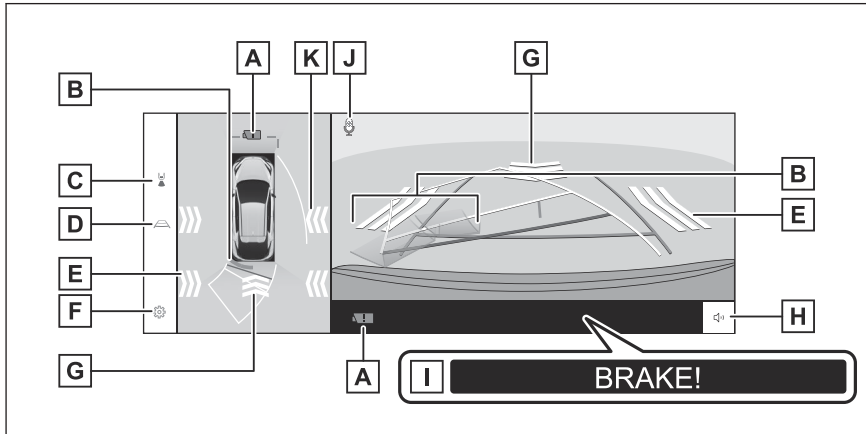
Display mode when the shift position is in "R"

To check for safety when parking the vehicle, an image is displayed from above the vehicle and from the rear camera.

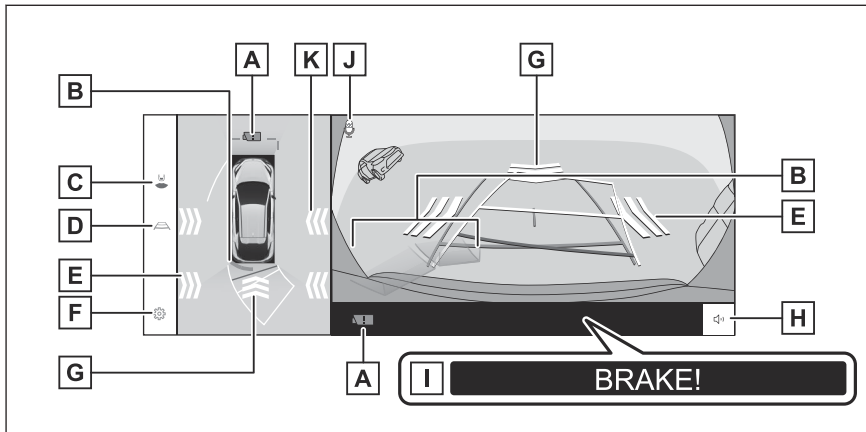
1. Shift the shift position to "R".

- The mode changes every time you touch the display mode switching button.

■ Rear view & panoramic view



■ Wide rear view & panoramic view



A Camera dirt detection icon

This icon is displayed when dirt is detected on the camera.

B Toyota parking assist-sensor

8-2. Panoramic view monitor

Displays an indicator on the screen and sounds a buzzer when an object is detected by a sensor. (For details about the Toyota parking assist-sensor, see the vehicle "Owner's manual")

C Display mode switching button

Switches display mode every time touch the button.

D Guide line switching button

Switches guide line mode every time touch the button.

E RCTA(Rear Cross Traffic Alert) / RCD (Rear Camera Detection) / Moving objects alert

An indicator is displayed on the screen in the following situations.

- When the rear radar detects an obstacle or a vehicle approaching from the rear
- If the rear camera detects a pedestrian behind the vehicle
(For details about RCTA(Rear Cross Traffic Alert) / RCD (Rear Camera Detection), see the vehicle "Owner's manual".)
- If the rear camera detects a moving object

F Customize settings button

Changes settings, such as the automatically display cornering view, the vehicle body color, the Toyota parking assist-sensor detection distance.

G RCD (Rear Camera Detection) / Moving objects alert

If the rear camera detects a pedestrian or a moving object behind the vehicle, an indicator is displayed on the screen. (For details about RCD (Rear Camera Detection), see the vehicle "Owner's manual".)

H Mute button

Mute the Toyota parking assist-sensor / RCTA(Rear Cross Traffic Alert) / RCD (Rear Camera Detection) / moving objects alert sound.

Operating the shift automatically cancels mute.

I PKSB (Parking Support Brake)^{*1}

If an obstacle that you may collide with is detected, a message is displayed on the screen. (For details about PKSB (Parking Support Brake), see the vehicle "Owner's manual".)

J Voice recognition icon^{*2}

This icon is displayed when the voice control system is in operation.

K Moving objects alert^{*1}

If moving objects alert detects nearby vehicles and/or obstacles from the side of the vehicle, an indicator is displayed on the screen.

^{*1} : If equipped

^{*2} : This function is not available in some countries or areas.

INFORMATION

- When rear view is displayed, touch the display to change to wide rear view.
- The display position of the Toyota parking assist-sensor may not match the position of the obstacle displayed in the camera image.

WARNING

- The position of the guide lines displayed on the screen may change due to factors such as number of passengers, load weight, and road gradient. Always make sure to visually check behind you and your surroundings while you are driving.
- The Toyota parking assist-sensor, RCTA, RCD, and the object movement warning displays are overlapped and displayed on the camera image, so it may be difficult to see depending on the brightness of the surroundings and colors.

Related Links

[Changing the guide line display mode\(P. 283\)](#)

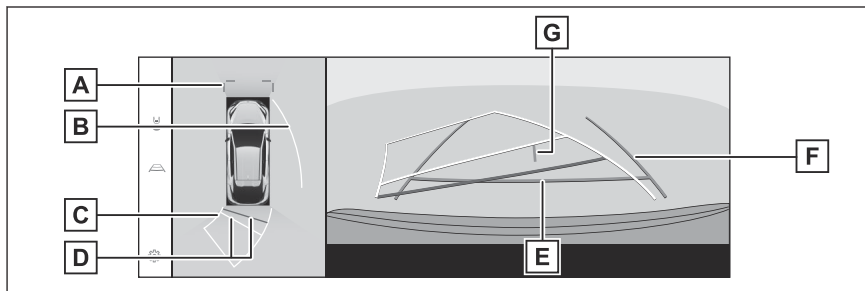
[Changing the panoramic view monitor settings\(P. 295\)](#)

Changing the guide line display mode

The guide line display mode changes every time you touch the guide line switching button.

■ Estimated course lines mode

This mode displays estimated course lines that move in accordance with the operation of the steering wheel.

**A Front distance guide lines**

Displays about 1 m (3 ft.) (blue) in front of the vehicle.

B Side estimated course lines

Displays course lines (yellow) that are linked to operation of the steering wheel.

C Reverse estimated course lines

8-2. Panoramic view monitor

Displays course lines (yellow) that are linked to operation of the steering wheel.

D Rear distance guide lines

Displays the distance behind the vehicle.

- The distance guide line is linked to the estimated course lines.
- Displays about 0.5 m (1.5 ft.) (red) and 1 m (3 ft.) (yellow) from the center of the end of the rear bumper.

E Rear distance guide line

Displays about 0.5 m (1.5 ft.) (blue) from the end of the rear bumper.

F Vehicle width guide lines

Displays course lines when the vehicle is being reversed in a straight line.

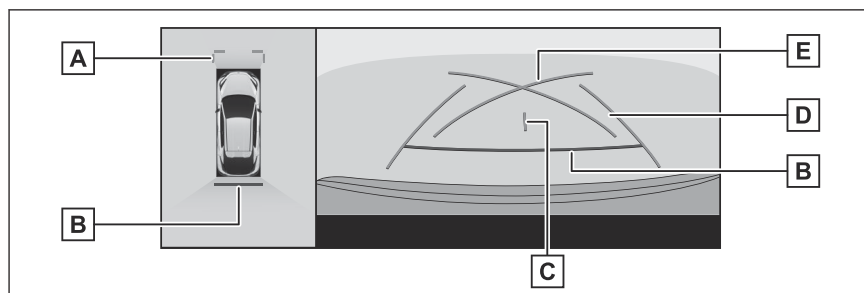
- The lines are wider than the actual width of the vehicle.
- When the vehicle is straight, the guide lines will overlap with the estimated course lines.

G Vehicle center guide line

Displays the center of the vehicle width guide lines.

■ Parking assist guide lines mode

This mode displays the steering wheel return points (parking assist guide lines). This mode is recommended for those who have a sense of the vehicle and can park the vehicle without the aid of the estimated course lines.



A Front distance guide lines

Displays about 1 m (3 ft.) (blue) in front of the vehicle.

B Rear distance guide lines

Displays the distance behind the vehicle.

- Displays about 0.5 m (1.5 ft.) (red) from the center of the end of the rear bumper.

C Displays the distance behind the vehicle.

Displays the center of the vehicle width guide lines.

D Vehicle width guide lines

Displays course lines when the vehicle is being reversed in a straight line.

- The lines are wider than the actual width of the vehicle.

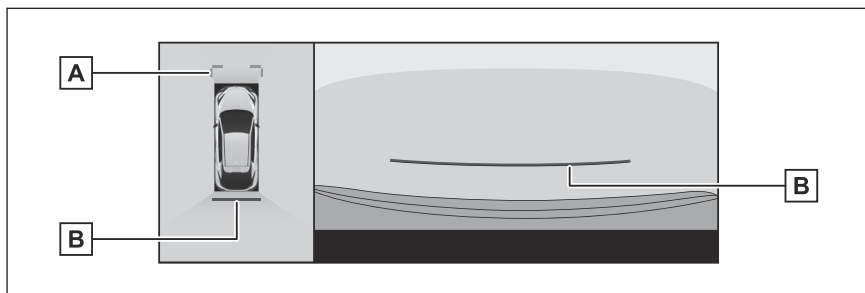
E Parking assist guide lines

Displays the course lines of the smallest turn possible behind the vehicle.

- Use the position of operating the steering wheel when parking as a guide.

■ Distance guide lines mode

This mode only displays the distance guide lines. It is recommended for those who do not need the guide lines.



A Front distance guide lines

Displays about 1 m (3 ft.) (blue) in front of the vehicle.

B Rear distance guide lines

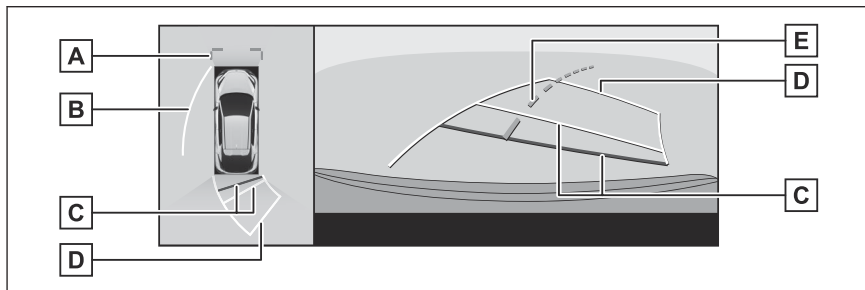
Displays the distance behind the vehicle.

- Displays about 0.5 m (1.5 ft.) (red) from the center of the end of the rear bumper.

■ Estimated course center line mode

This mode displays estimated course lines and a vehicle center guide line that move in accordance with the operation of the steering wheel.

Use this mode when approaching a signpost or pole with the center of the rear bumper.



A Front distance guide lines

8-2. Panoramic view monitor

Displays about 1 m (3 ft.) (blue) in front of the vehicle.

B Side estimated course lines

Displays course lines (yellow) that are linked to operation of the steering wheel.

C Rear distance guide lines

Displays the distance behind the vehicle.

- The distance guide line is linked to the estimated course lines.

- Displays about 0.5 m (1.5 ft.) (red) and 1 m (3 ft.) (yellow) from the center of the end of the rear bumper.

D Reverse estimated course lines

Displays course lines (yellow) that are linked to operation of the steering wheel.

E Estimated course center line

Displays the vehicle center guide line (green) that is linked to operation of the steering wheel.

 INFORMATION

The guide lines will not be displayed if the back door is not closed. If you close the back door but the guide lines are still not displayed, have the vehicle inspected by any Toyota retailer or Toyota authorized repairer, or any reliable repairer.

 WARNING

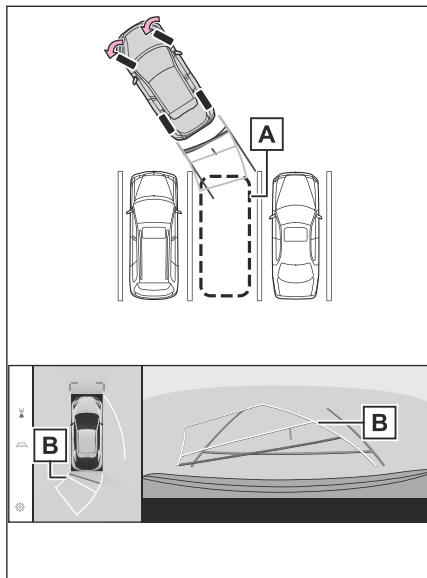
The rear vehicle width guide lines are wider than the actual width of the vehicle. Always make sure to visually check behind you and your surroundings when you are reversing.

Parking using the estimated course lines mode

- 1 Shift the shift position to "R".

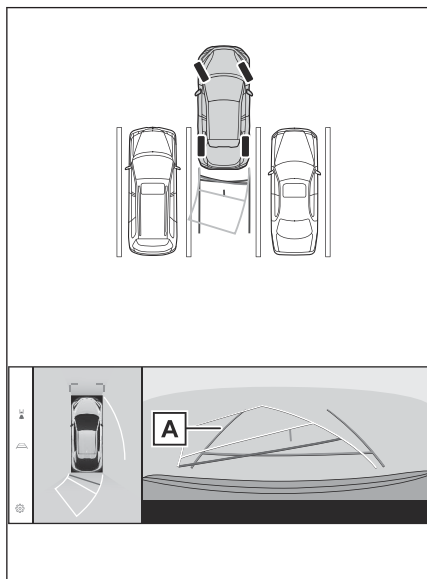
- 2 Turn the steering wheel so that the estimated course lines are within the parking space and then reverse slowly.**

- A** Parking space
B Estimated course lines



- 3 When the rear of the vehicle has entered the parking space, turn the steering wheel so that the vehicle width guide lines are within the left and right dividing lines of the parking space.**

- A** Vehicle width guide lines

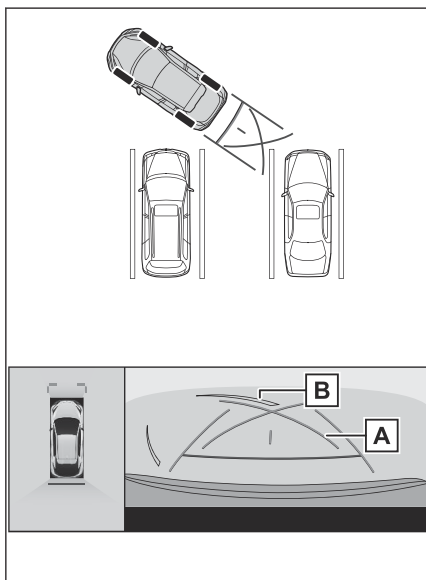


- 4 Once the vehicle width guide lines and the parking space lines are parallel, straighten the steering wheel and reverse slowly until the vehicle has completely entered the parking space.**
- 5 Stop the vehicle in an appropriate place to finish parking.**

Parking using the parking assist guide lines mode

- 1 Shift the shift position to "R".
- 2 Reverse until the parking assist guide lines align with the dividing line of the parking space.

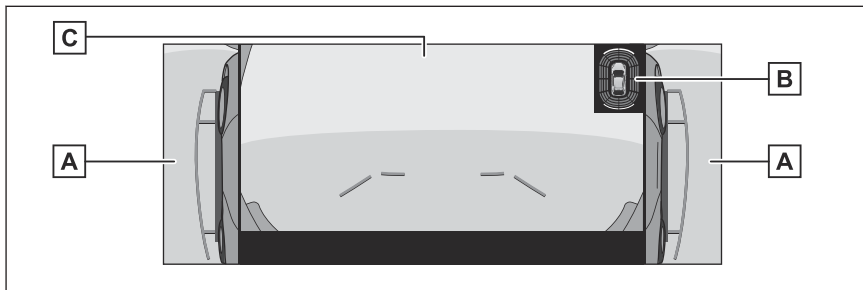
- ☐ A Parking assist guide lines
- ☐ B Parking space dividing line



- 3 Turn the steering wheel all the way, and reverse slowly.
- 4 Once the vehicle is parallel with the parking space, straighten the steering wheel and reverse slowly until the vehicle has completely entered the parking space.
- 5 Stop the vehicle in an appropriate place to finish parking.

The screen when the outside rear view mirrors are folded

When the outside rear view mirrors are folded, an image from the side cameras rather than panoramic view will be displayed. This can assist you in confirming that the vicinity of the vehicle is safe when you are parking in a narrow place.



A Side views

B Toyota parking assist-sensor

Displays an indicator on the screen and sounds a buzzer when an object is detected by a sensor. (For details about the Toyota parking assist-sensor, see the vehicle "Owner's manual")

C Wide front view/Rear view/Wide rear view



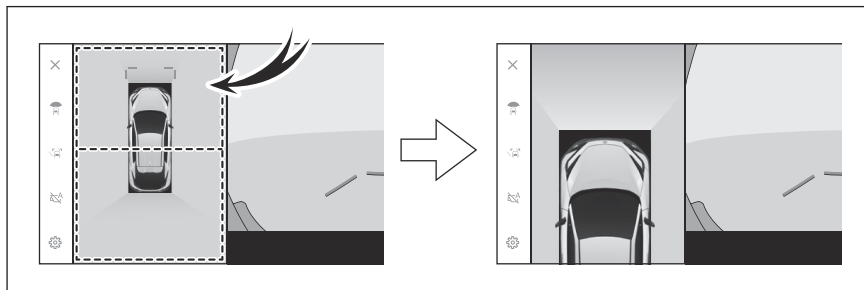
INFORMATION

The display position of the Toyota parking assist-sensor may not match the position of the obstacle displayed in the camera image.

Zooming in on the screen

Zooming in on the screen can be done if the image on the screen is too small and hard to see.

Touch the area that you want to zoom in on the panoramic view or wide front view.



- The selected area is zoomed in on.
- In panoramic view, you can zoom in one of the two places in front or rear of the vehicle.
- To cancel the zoom, touch the screen again.

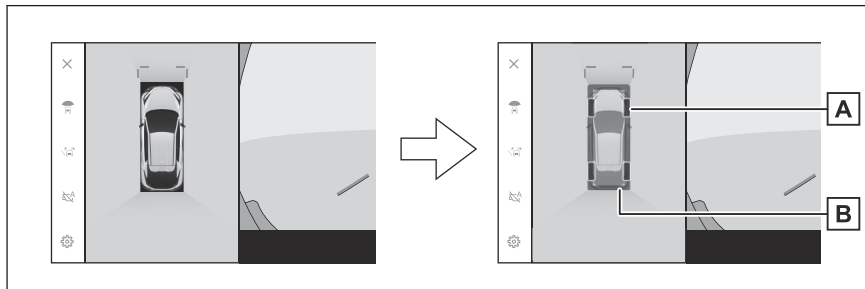
INFORMATION

- The zoom feature is enabled when all of the following conditions are met:
 - The vehicle speed is below 12 km/h (7 mph)
 - The Toyota parking assist-sensor is turned on
- In any of the following situations, the zoom feature will be canceled automatically:
 - The vehicle speed is above 12 km/h (7 mph)
 - The Toyota parking assist-sensor is turned off
- The guide lines will not be displayed when the panoramic view is zoomed.

Displaying transparent underfloor vision

A composite of camera vision captured in the past from the current vehicle position to assist understanding of the situation under the vehicle, tire positions, and so on can be displayed.

Transparent underfloor vision is displayed when the setting on the customized setting screen is turned on and the vehicle is moving forward or backward.



A Tire tracks

Displays the tire position guides linked to the steering wheel.

B Vehicle guide lines

Displays the exterior of the vehicle.

INFORMATION

- Transparent underfloor vision is not displayed in the following cases:
 - The vehicle speed is above 20 km/h (12 mph)
 - The vehicle stops and a certain amount of time passes
 - If the vehicle does not move a certain distance after it is started
 - The side mirrors are folded
 - ABS is operating
 - The system is not functioning correctly
- The system may not function correctly in the following situations:
 - Snow covered roads
 - There are shadows from lights and so forth
 - There is dirt or a foreign object on the camera lens
 - Water (river, sea, etc.)
 - Optional equipment has been installed
 - There is an obstacle in front of the camera
 - The tires were replaced

8-2. Panoramic view monitor

- The back door is open and the camera is not in the correct position
- The road surface is slippery or the wheels slip
- The vehicle is on a hill or other steep roads
- As vision that was captured in the past is being displayed, the screen and the actual situation may differ in the following cases:
 - An obstacle appears or moves after vision is captured
 - Sand or snow crumbles and moves after vision is captured
 - Mud or puddles are in the display range
 - When the vehicle slips
- Part or all of the transparent underfloor vision may appear black in the following cases:
 - The vehicle starts moving with no captured vision
 - If the vehicle does not move a certain distance after it is started
 - The steering wheel is turned more than a certain angle
 - The vehicle stops and a certain amount of time passes
 - The outside rear view mirrors are folded
 - ABS is operating
 - The system is not functioning correctly

WARNING

- The tire and vehicle guide lines may not align correctly with the actual vehicle position due to the number of passengers, vehicle load, road gradient, road surface conditions, brightness of the surroundings, optional equipment, tire replacements, and other reasons. Always make sure to check your surroundings while you are driving.
- Displayed vision is vision that was captured in the past. Therefore, if obstacles and other objects move after being captured, the transparent underfloor vision and the actual situation may not always match.

Related Links

[Changing the panoramic view monitor settings\(P. 295\)](#)

Moving objects alert*

If a moving object is detected around the vehicle when the panoramic view is displayed, an alarm will sound and an indicator will be displayed on the screen.

The moving objects alert is operational when all of the following are met:

- When the "D" or "R" shift position is selected
- When the vehicle speed is approximately 15 km/h (9 mph) or less
- When the outside rear view mirrors are not closed

INFORMATION

- In situations such as the following, the camera sensors may not detect a moving object correctly:
 - When the object is a running person
 - When a person suddenly appears from behind the vehicle or a building
 - When the object is a person riding a skateboard or self-balancing personal transporter
 - When the object is a person clothed in similar color as the surroundings
 - When part of person's body is hidden behind an object, such as a cart or luggage
 - When it is dark after the sunset
 - When in inclement weather, such as rain, snow, fog, etc.
 - When a camera lens is dirty with mud, snow melting agent, etc. or damaged
 - When water droplets are attached on a camera lens
 - When a very bright light shines directly into a camera sensor
 - When there is a difference in brightness/darkness, such as near an open shutter of a garage or underground parking space
- When an object, such as the following, is detected, the system may operate even though there is no possibility of a collision:
 - Moving objects/substance, such as a flag, emission gas, large rain drops, snow, rainwater on the road, etc.
 - Patterns formed on a road, such as white lines, pedestrian crossings, stone pavement, tram rails, road repair traces, fallen leaves, gravels, puddles, etc.
 - Gratings or a road gutter
 - A road shoulder or ramp
 - Reflections of an object on a puddle or wet road surface
 - Shadows

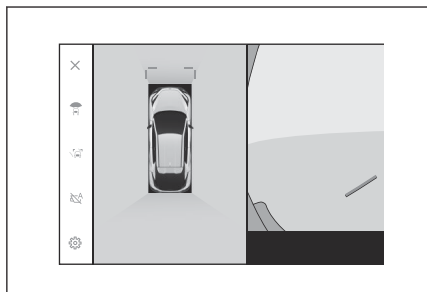
* : If equipped

- Objects having height/slender length, such as columns, traffic corns, fire hydrants, etc.
- Pedestrians, bicycles, or vehicles that are standing still
- In situations such as the following, the system may operate even though there is no possibility of a collision:
 - When the vehicle rides on a ramp
 - When there is a change in gradient
 - When the vehicle is tilted at a steep angle, due to carrying load or sudden braking
 - When tires other than specified are installed
 - When the vehicle height has been excessively changed (nose-up, nose-down)
 - When a non-genuine part is installed near the camera sensors
 - When a non-genuine bumper protector, such as a bumper trim, is installed
 - When an arm is held outside of a window
 - When the camera sensors are displaced, due to re-installation or a collision
 - When a towing hook is installed
 - When a camera lens is dirty with mud, snow melting agent, etc.
 - When water droplets are attached on a camera lens
 - When there is a flashing light source, such as the emergency flashers

Changing the panoramic view monitor settings

Settings related to panoramic view monitor such as the cornering view auto display and vehicle body color can be changed.

1 Touch [].



2 Select the desired item.

● [Cornering View]

Automatically display the cornering view.

● [View Under Vehicle]

Turn the transparent underfloor vision display setting on or off. Setting it to on and moving the vehicle forward or backwards displays a composite of camera vision captured in the past from the current vehicle position to assist understanding of the situation under the vehicle, front tire positions, and so on. The vision is displayed in panoramic view, side clearance view, or cornering view.

● [TOYOTA Park Assist 3D Display]

Show or hide the Toyota parking assist-sensor display.

● [TOYOTA Park Assist Distance]

Change the distance that the Toyota parking assist-sensor starts detecting obstacles.

● [Vehicle Body Colour]

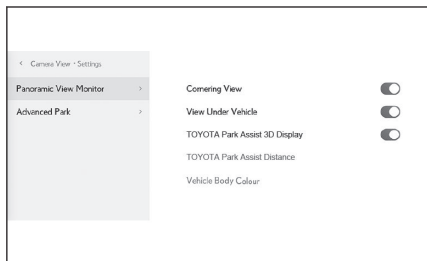
Change the vehicle body color displayed on the screen.

● [Moving object alert]

Set the moving object alert display on/off.

● [Warnings when auto display mode enabled]

Set the moving object alert display on/off when the automatic display mode is ON.



INFORMATION

For safety purposes, you cannot display the custom settings screen while the vehicle is moving.

— Related Links —

[Changing the body color\(P. 296\)](#)

[Changing the Toyota parking assist-sensor detection distance\(P. 296\)](#)

Changing the body color

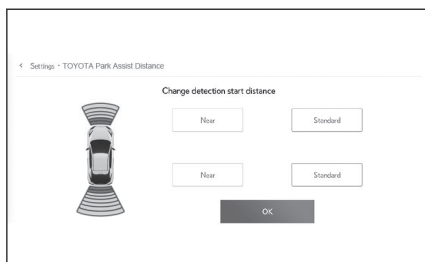
Change the vehicle body color displayed on the screen.

- 1 Touch [Vehicle Body Colour].
- 2 Select the desired body color.
- 3 Touch [OK].

Changing the Toyota parking assist-sensor detection distance

Change the distance that the Toyota parking assist-sensor starts detecting obstacles.

- 1 Touch [TOYOTA Park Assist Distance].
- 2 Select the distance at which you want to start detecting objects.
- 3 Touch [OK].



Precautions for the panoramic view monitor

Always make sure to visually check behind you and your surroundings while driving. If not, collision with other vehicles or an unforeseen accident may occur. Follow the below precautions when using the panoramic view monitor.

WARNING

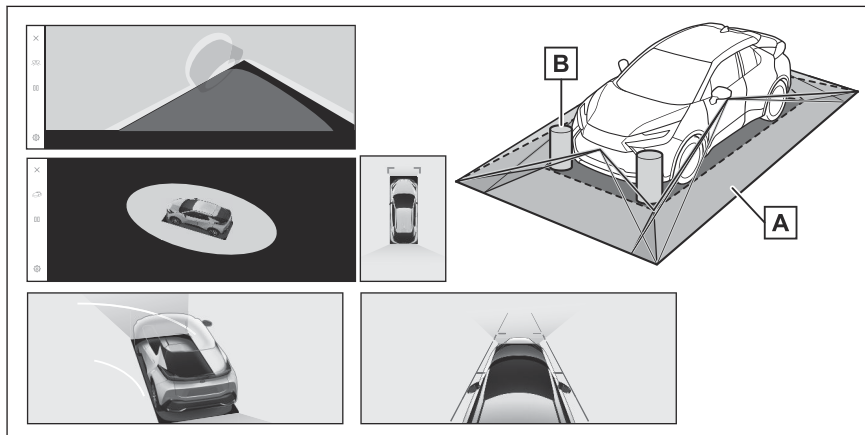
- Never depend on the panoramic view monitor entirely. Always make sure to visually check behind you and your surroundings as you would when driving any other vehicle. In particular, be careful not to collide with vehicles parked nearby or other objects.
- Always make sure to visually check behind you and your surroundings while you are driving.
- Never drive while looking only at the screen. The image on the screen may be different to the actual conditions. Moreover, there is a limit to the range of image that the camera can capture. Never turn or reverse only looking at the screen. Doing so may result in a collision with another vehicle or some other unforeseen accident. Be sure to visually check the vehicle's surroundings and use the vehicle's rear-view and side mirrors.
- The position of the guide lines displayed on the screen may change due to factors such as number of passengers, load weight, and road gradient. Always make sure to visually check behind you and your surroundings while you are driving.
- Do not use the panoramic view monitor in the following cases:
 - On icy or slick road surfaces, or in snow
 - When using tire chains or emergency tires
 - When the front door(s) or back door are not closed completely
 - On roads that are not flat, such as hills
 - If the tires of a size other than specified by Toyota are installed
 - If the suspension has been modified
 - If a non-Toyota product is installed on the area displayed on the screen
- In low external temperatures, the screen may darken or the image may become faint. The image could distort when the vehicle is moving, or you may not be able to see the image on the screen, so always visually check your surroundings while you are driving.
- If you replace your tires, the position of the guide lines displayed on the screen may be incorrect.

NOTICE

- See-through view, moving view, panoramic view, side clearance view, and cornering view produce an image that is a composite of images captured by the front camera, rear camera, and side cameras. As there is a limit to the displayable range and content, make sure you fully understand the features of the panoramic view monitor before you use it.
- The four corners of the see-through view, moving view, panoramic view, side clearance view, and cornering view have a video composition processing region centered on borders of the cameras, and image clarity may decline. However this is not a fault.
- Depending on lighting conditions near each camera, bright and dark patches may appear on the see-through view, moving view, panoramic view, side clearance view, and cornering view.
- See-through view, moving view, panoramic view, side clearance view, and cornering view does not extend higher than the installation position and image capture range of each camera.
- There are blind spots around the vehicle and as such there are regions not displayed on the panoramic view monitor.
- Three-dimensional objects displayed in wide front view, rear view, wide rear view or side view may not be displayed in see-through view, moving view, panoramic view, side clearance view, and cornering view.
- People and other three-dimensional obstacles may appear differently when displayed on the panoramic view monitor. (These differences include cases in which displayed objects appear to have fallen over, disappear near image processing regions, appear from video composition processing areas, or when the actual distance to an object differs from the displayed position.)
- When the back door, which is equipped with the rear camera, or front doors, which are equipped with side mirrors that have the built-in side cameras, are open, images will not be displayed properly on the panoramic view monitor.
- The vehicle icon displayed in see-through view, moving view, panoramic view, side clearance view, and cornering view is a computer generated image, so the color, shape and size will differ from the actual vehicle. Therefore, nearby three-dimensional objects may appear to be touching the vehicle, and actual distances to three-dimensional objects may differ from those displayed.
- The camera may not function correctly and the image may be displayed on the screen in the following manner:
 - When the shift position is in "R", part or all of the screen may appear black
 - When the shift position is in "R", the screen may not change to the camera image
 - When a shift position other than "R" is selected, the image from the camera may remain displayed
 - The guide lines are not displayed on the camera image, and attention symbols and caution notices are displayed

Area displayed on the screen

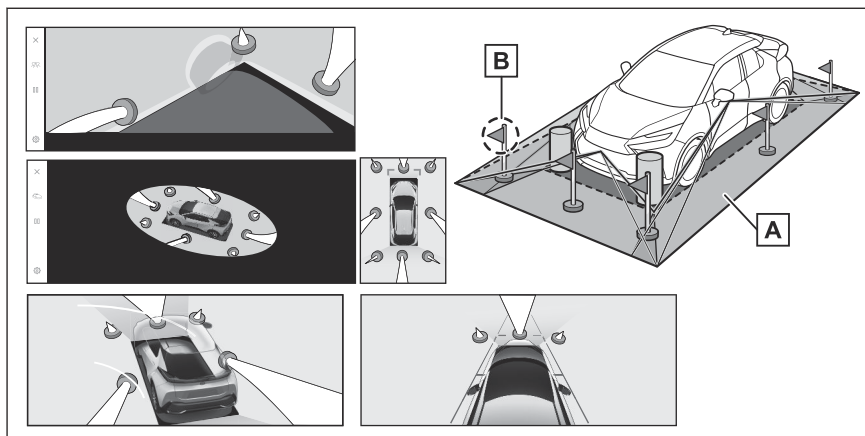
There are blind spots around the vehicle and as such there are regions not displayed on the screen. Even if nothing around the vehicle is displayed on the screen, there may actually be obstacles on the road, which you may collide with. Always make sure to visually check your surroundings.



A Area displayed on the screen

B Objects not displayed on the screen

Objects in the black areas do not appear on the screen.



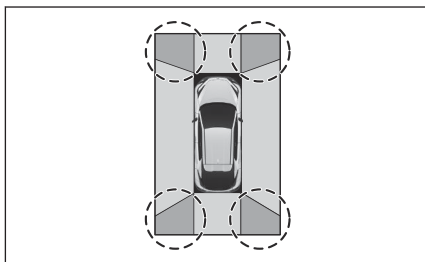
A Area displayed on the screen

B Parts of objects not displayed on the screen

Parts higher than the road do not appear on the screen.

INFORMATION

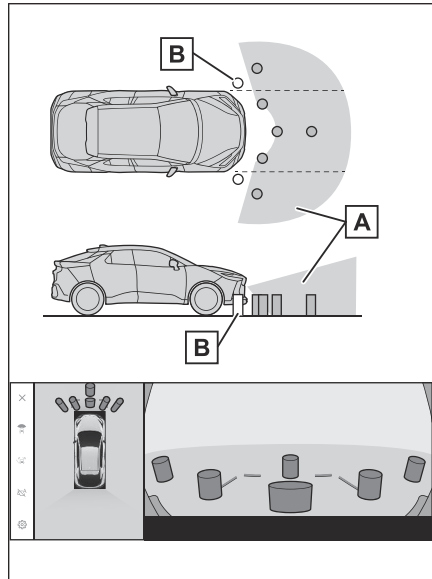
- The black parts around the vehicle icon are not displayed by the camera. Visually check those areas.
- As the images are obtained from four cameras are processed and displayed on the standard of a flat road surface, see-through view, moving view, panoramic view (including zoomed display), side clearance view, and cornering view may be displayed as follows:
 - Objects may look collapsed; thinner or bigger than usual.
 - An object with a higher position than the road surface may look further away than it actually is or may not appear at all.
 - Tall objects may appear protruding from the non-displayed areas of the image.
- Variations in the brightness of the image may appear for every camera due to lighting conditions.
- The displayed image may be misaligned due to inclination of the vehicle body or change in vehicle height caused by the number of passengers and vehicle load.
- If the doors are not completely closed, the image and the guide lines may not be displayed correctly.
- The positional relationship of the road surface and objects with the vehicle icon displayed on see-through view, moving view, panoramic view (including zoomed display), side clearance view, and cornering view may differ to the actual positions.
- Light from a back-lit license plate may appear on the screen.
- Images indicated by [○] in the figure are a composite, and hence some areas may be difficult to see.



■ Wide front view

- A** Area displayed on the screen
- B** Objects not displayed on the screen

Areas close to both corners of the bumpers will not appear on the screen.

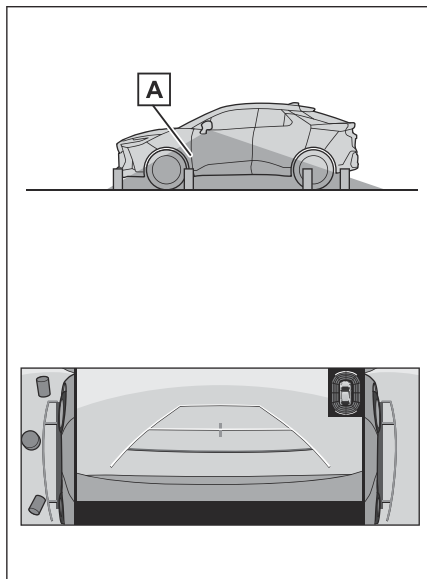


□ INFORMATION

- The area covered by the camera is limited. Objects that are close to either corner of the bumper or under the bumper cannot be displayed on the screen.
- The depth perception of the image displayed on the screen differs to the actual distance.
- The wide front view camera uses a special lens, so the depth perception of the image displayed on the screen differs to the actual distance.

■ Both side views (when the side mirrors are folded)

A Area displayed on the screen



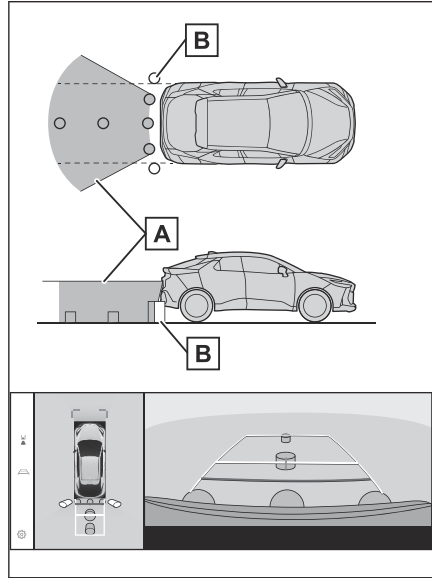
INFORMATION

- The range that is displayed on the screen may differ due to the state of the vehicle and road surface.
- The area covered by the camera is limited. Objects that are close to the bumper on the passenger's side or under the bumper cannot be displayed on the screen.
- The depth perception of the image displayed on the screen differs to the actual distance.
- The cameras on side view & rear view use a special lens, so the depth perception of the image displayed on the screen differs to the actual distance.

■ Rear view

- A** Area displayed on the screen
- B** Objects not displayed on the screen

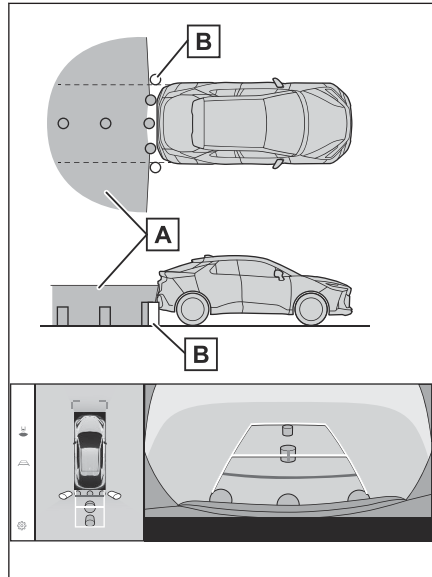
Areas close to both corners of the bumpers will not appear on the screen.



■ Wide rear view

- A** Area displayed on the screen
- B** Objects not displayed on the screen

Areas close to both corners of the bumpers will not appear on the screen.



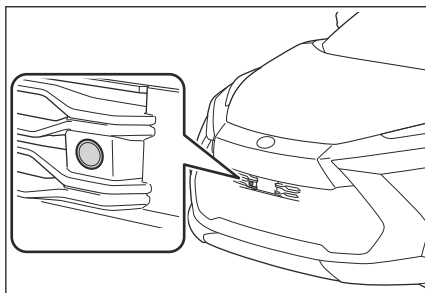
INFORMATION

- The range that is displayed on the screen may differ due to the state of the vehicle and road surface.
- The area covered by the camera is limited. Objects that are close to either corner of the bumper or under the bumper cannot be displayed on the screen.
- The depth perception of the image displayed on the screen differs to the actual distance.
- The rear view and wide rear view cameras use a special lens, so the depth perception of the image displayed on the screen differs to the actual distance.
- Objects that are higher than the rear camera may not appear in the monitor.
- Light from a back-lit license plate may appear on the screen.

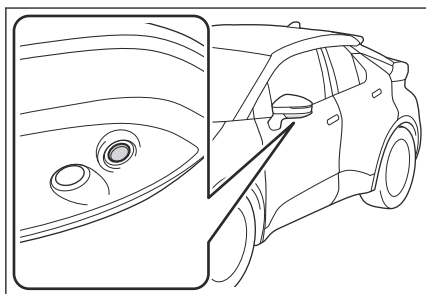
Camera position

The panoramic view monitor cameras are in the locations shown in the figures.

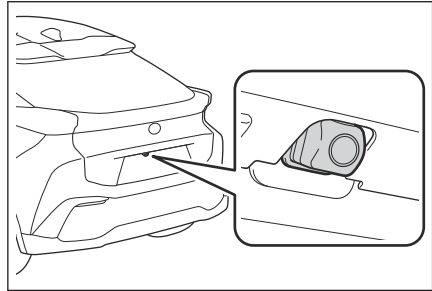
■ Front camera



■ Side cameras



■ Rear camera



Cleaning the camera

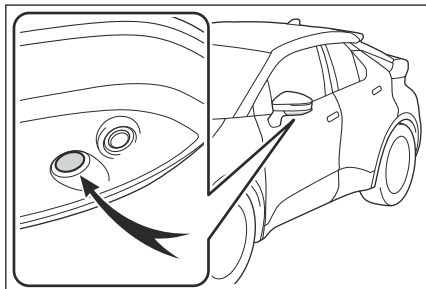
If dirt or foreign matter, such as water droplets, snow, or mud, has stuck to the camera, you will not be able to see the image clearly. If that happens, splash the camera with a large amount of water and then wipe the camera lens clean with a soft, damp cloth.

NOTICE

- The panoramic view monitor may stop functioning correctly. Take note of the following items:
 - Do not hit or apply a forceful impact on the camera. Doing so may change the position and mounting angle of the camera.
 - The camera is designed to be waterproof. Do not detach, disassemble, or modify it.
 - When washing the camera lens, splash the camera with a large amount of water and then wipe the camera lens clean with a soft, damp cloth. Rubbing the camera lens forcibly may scratch the camera lens and you may no longer be able to see images clearly.
 - The camera cover is made of resin. Do not allow an organic solvent, car wax, window cleaner, or glass coating to adhere to the camera. If this happens, wipe it off immediately.
 - Do not pour hot water on the vehicle in cold weather or apply other rapid changes of temperature.
 - If you wash the vehicle with a high pressure car washer, do not point the hose directly at the camera or camera area. Applying strong water pressure may result in the camera malfunctioning.
- If the camera is hit, it may cause a camera malfunction. If this happens, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer as soon as possible.

Parking assist lights

The parking assist lights of the panoramic view monitor system are installed in the locations shown in the figure.



NOTICE

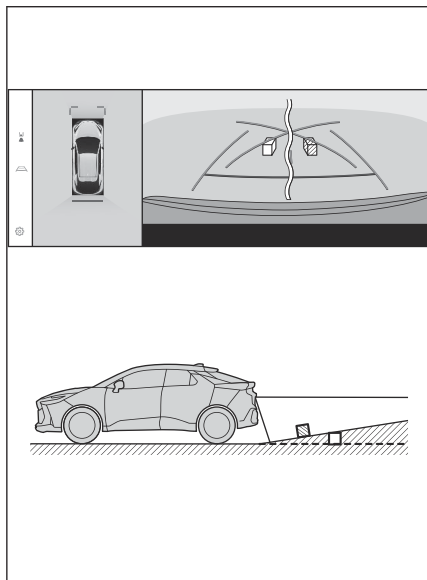
- Make sure to observe the following precautions, otherwise the panoramic view monitor system may not operate correctly:
 - Do not apply excessive force to a light or subject it to a strong impact. Doing so may cause the position or installation angle of the light to deviate.
 - Do not remove, disassemble, or modify the lights as they have a waterproof construction.
 - When cleaning the lights, wash them with a large amount of water, and then wipe them with a soft wet cloth.
 - Do not apply organic solvents, waxes, oil removing solvents, glass coatings, etc. to the covers of the lights, as they are made of resin. If such is applied, remove it immediately.
 - Do not expose the lights to sudden temperature changes, such as applying hot water to them when it is cold.
 - When washing the vehicle with a high-pressure washer, do not spray water directly on the lights or their surrounding area. High-pressure water can damage the lights and cause them to not operate correctly.
- If a light has been subjected to a strong impact, it may be damaged. Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer as soon as possible.

Differences between the screen and the actual road

The composite images on the panoramic view monitor and guide lines give a distance guide for flat road surfaces. Therefore, there is a margin of error between the guide lines on the screen and the actual distance and course on the road.

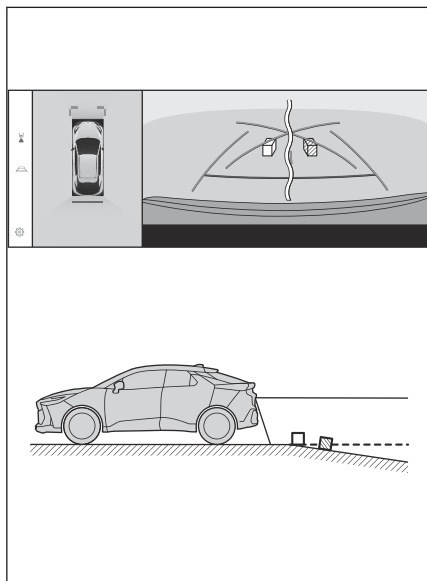
■ When the ground behind the vehicle slopes up sharply

The distance guide lines will appear to be closer to the vehicle than the actual distance. Thus, objects on up-slopes will appear to be farther away than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance and course on the road.



■ When the ground behind the vehicle slopes down sharply

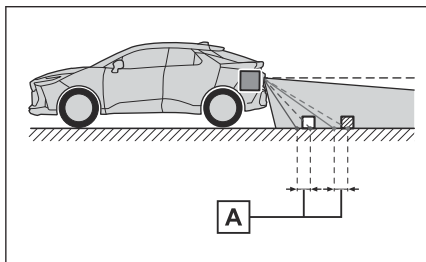
The distance guide lines will appear to be further from the vehicle than the actual distance. Thus, objects on down-slopes will appear to be closer than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance and course on the road.



■ When any part of the vehicle sags

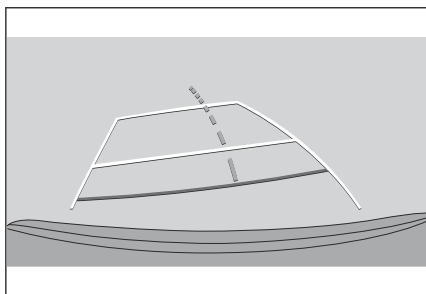
When any part of the vehicle sags due to the number of passengers or the distribution of the load, there is a margin of error between the guide lines on the screen and the actual distance and course on the road.

A Margin of error



■ Estimated course center line

As the guide lines are shown midair near the rear bumper, there are times that they may look like they are off-center.



Differences between the screen and actual 3D objects

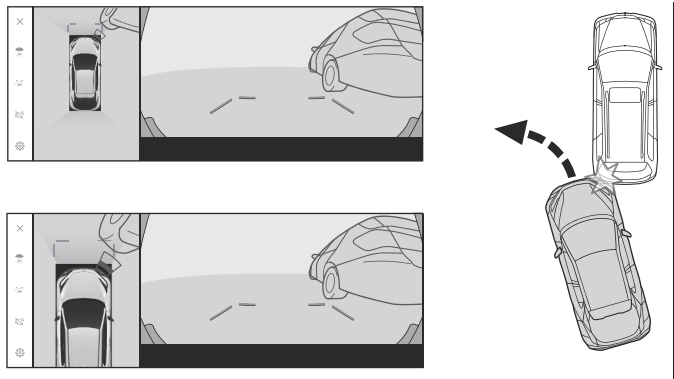
Since the guide lines and displayed on the screen are displayed for a flat road surface, it is not possible to determine the position of three-dimensional objects. When approaching a three-dimensional object that extends outward (such as the flatbed of a truck), take note of the following cautions.

⚠ WARNING

When the Toyota parking assist-sensor display is red, make sure to visually check before moving the vehicle any further. There is the danger that you may collide with another vehicle or have some other unforeseen accident.

■ Displaying panoramic view (including zoom display)

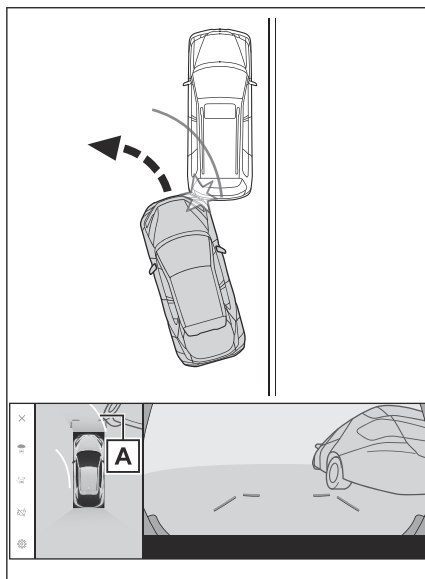
On the screen, it appears that there is a gap between the vehicle's bumper and another object or vehicle, and it does not look as if the vehicle will collide with the object or vehicle. However, the vehicle is over the course lines, so the vehicle may collide with the object or vehicle. Make sure to visually check your surroundings.



■ Estimated course lines

- On the screen, it appears that the vehicle's bumper is outside of the estimated course lines, and it does not look as if the vehicle will collide with the object or vehicle. However, the vehicle is over the course lines, so the vehicle may collide with the object or vehicle. Make sure to visually check your surroundings.

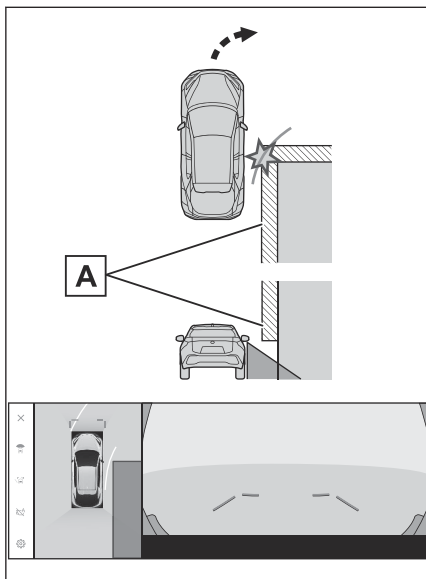
A Estimated course lines



8-2. Panoramic view monitor

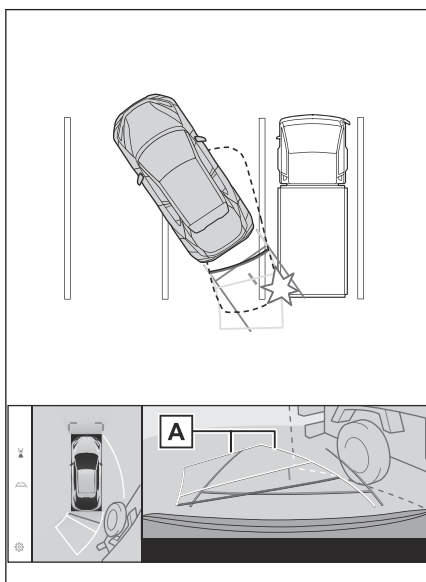
- Three-dimensional objects in high positions (such as the overhang of a wall or loading platform of a truck) may not appear on the screen. Make sure to visually check your surroundings.

A Overhang of a wall



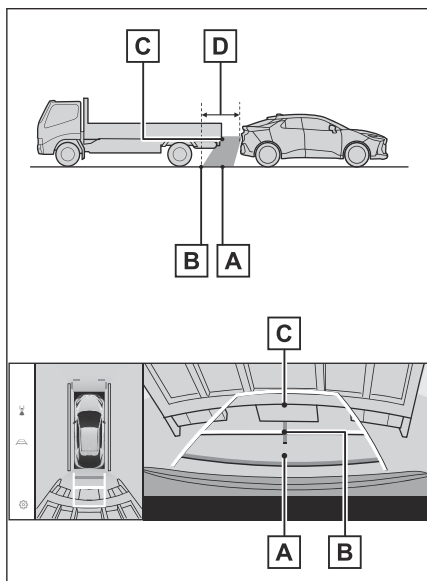
- On the screen, a truck flatbed may appear to be outside of the estimated course lines and the vehicle does not look as if it will collide with the truck. However, the flatbed may actually cross over the estimated course lines and if you reverse as guided by the estimated course lines, the vehicle may hit the truck. Make sure to visually check your surroundings.

A Estimated course lines



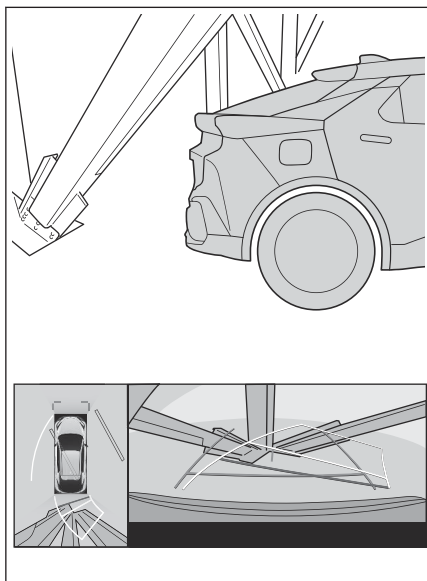
Distance guide lines

On the screen, the distance guide lines shows that a truck is parking at point **B**. However, in reality if you reverse to point **A**, you will collide with the truck. On the screen, it appears that point **A** is closest followed by points **B** and **C**. However, in reality, the distance to points **A** and **C** is the same, and point **B** is farther than **A** and **C**. Make sure to visually check behind you and your surroundings. The distance to point **D** is about 1 m (3 ft.).



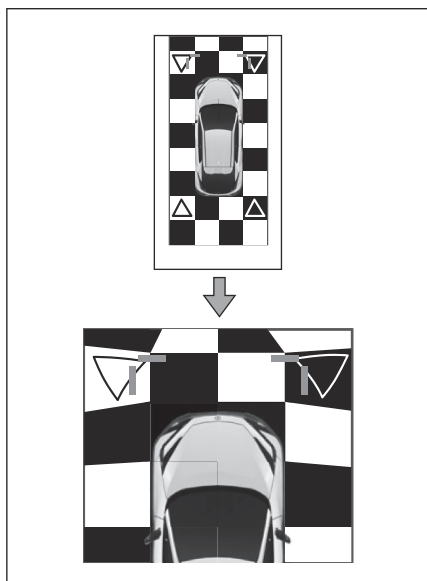
Overhang of a diagonal beam

In panoramic view, a diagonal beam may appear straight and seems likely not to be struck, however, since the top part of the is actually overhanging, the vehicle may hit it. Make sure to visually check the rear and surroundings.



■ Magnifying function

Unlike the normal panoramic view, the panoramic view magnifying function zooms in on the vehicle icon. Therefore, white lines on the road, walls, and other objects may look bent.



If you notice any symptoms

If you notice or are troubled by any of the symptoms below, check the issue again referring to the likely cause and solution.

If the symptom is not resolved by the solution, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Symptom	Likely cause	Solution
The screen is difficult to see	● The vehicle is in a dark area or it is night. ● The temperature around the lens is either high or low. ● The outside temperature is low. ● There are water droplets on the camera. ● It is raining or humid. ● Foreign matter (mud etc.) is stuck to the camera. ● Sunlight or headlights are shining directly into the camera. ● The vehicle is under fluorescent lights, sodium lights, mercury lights, etc.	Visually check the vehicle's surroundings while you are driving. Use the panoramic view monitor again once the camera and conditions have improved. The procedure for adjusting the picture quality of the panoramic view monitor is the same as the procedure for adjusting the multimedia screen.
The image is blurry	Dirt or foreign matter, such as water droplets, snow, or mud, has stuck to the camera lens.	Splash the camera with a large amount of water and then wipe the camera lens clean with a soft, damp cloth.
The screen is misaligned	The camera has received a strong impact.	Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
The guide lines are significantly misaligned	The camera position is misaligned.	Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
	● The vehicle is tilted (There is a heavy load on the vehicle, tire pressure is low due to a tire puncture, etc.). ● The vehicle is on an incline.	Visually check the vehicle's surroundings while you are driving.

8-2. Panoramic view monitor

Symptom	Likely cause	Solution
The estimated course lines move even though the steering wheel is straight (the vehicle width guide lines and estimated course lines are out of alignment).	There is a malfunction in the signals being output by the steering sensor.	Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
The guide lines are not displayed	The back door is open.	Close the back door. If this does not resolve the issue, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
The panoramic view display cannot be enlarged. The see-through view/moving view, side clearance view, and cornering view cannot be displayed.	The Toyota parking assist-sensor may be malfunctioning or dirty.	Follow the correction procedures for malfunctions of the Toyota parking assist-sensor. (For details about the Toyota parking assist-sensor, see the vehicle "Owner's manual".)

— Related Links —

[Changing the screen display settings\(P. 67\)](#)

Information about free/open source software

This product contains free/open source software.

You can get information about free/open source software and/or source codes from the following URL:

<https://www.denso.com/global/en/opensource/svss/toyota>

9-1. Appendix

Information about media and data.....	316
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Information about media and data

Information about media that can be used

The specifications of the media and other devices that can be used are as follows.

■ Formats and specifications of USB flash drives

The formats and standards of the USB flash drives that can be used, and the restrictions for use, are as follows.

USB communication format	USB2.0 HS (480MBPS)
File format	FAT 16/32
Communication class	Mass storage class
Maximum number of folders	3000 (including root)
Maximum number of folder levels	8
Maximum number of files	9999 (maximum of 255 files per folder)
Memory capacity	Up to 32 GB
Maximum size of one file	2GB

- Files other than the formats above may not be played correctly, or information such as the file or folder name may not display correctly.
- Please understand in advance that this device may not be able to play your USB flash drive.
- Depending on the computer used to save files on a USB flash drive, hidden files may be saved in addition to the playback files. Deletion of such hidden files is recommended. They may have a negative effect during playback and prevent files from being switched correctly.

Format information

The specifications of the music data that can be used are as follows.

■ MP3

Supported standard	MP3 (MPEG1 LAYER 3, MPEG2 LSF LAYER 3)
Supported sampling frequency (kHz)	MPEG1 LAYER 3:32, 44.1, 48 MPEG2 LSF LAYER 3:16, 22.05, 24

Supported bit rate (kbps) ⁽¹⁾	MPEG1 LAYER 3:32 to 320 MPEG2 LSF LAYER 3:8 to 160
Supported channel mode	Stereo, joint stereo, dual channel, mon-aural
ID3 tag	ID3 Ver. 1.0, 1.1, 2.2, 2.3 (number of characters as specified by each version)

(1) VBR (Variable Bit Rate) is supported.

■ WMA

Supported standard	WMA Ver. 7, 8, 9 (9.1, 9.2)
Supported sampling frequency (kHz)	32, 44.1, 48
Supported bit rate (kbps) ⁽¹⁾⁽²⁾	Ver. 7, 8: CBR (Constant Bit Rate) 48 to 192 Ver. 9 (9.1/9.2): CBR 48 to 320

(1) VBR (Variable Bit Rate) is supported.

(2) Multi-channel audio sources are converted to 2ch.

■ AAC

Supported standard ⁽¹⁾	MPEG4 AAC-LC
Supported sampling frequency (kHz)	11.025, 12, 16, 22.05, 24, 32, 44.1, 48
Supported bit rate (kbps) ⁽²⁾	8 to 320
Supported channel mode ⁽³⁾	1ch (1/0), 2ch (2/0)

(1) ADIF is not supported.

(2) VBR (Variable Bit Rate) is supported.

(3) Dual channel is not supported.

■ WAV (LPCM)

Supported sampling frequency (kHz) ⁽¹⁾	8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48, 88.2, 96, 176.4, 192
Supported number of quantization bits (bit) ⁽²⁾	16/24
Supported channel mode	1ch (1/0), 2ch (2/0)

(1) Audio sources higher than 96 kHz/24 bit are down-converted to 96 kHz/24 bit.

(2) Multi-channel audio sources are converted to 2ch.

■ FLAC

Supported sampling frequency (kHz) ⁽¹⁾	8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48, 88.2, 96, 176.4, 192
Supported number of quantization bits (bit) ⁽²⁾	16/24

- (1) Audio sources higher than 96 kHz/24 bit are down-converted to 96 kHz/24 bit.
(2) Multi-channel audio sources are converted to 2ch.

■ ALAC

Supported sampling frequency (kHz) ⁽¹⁾	8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48, 64, 88.2, 96
Supported number of quantization bits (bit) ⁽²⁾	16/24

- (1) Audio sources higher than 96 kHz/24 bit are down-converted to 96 kHz/24 bit.
(2) Multi-channel audio sources are converted to 2ch.

■ Ogg Vorbis

Supported sampling frequency (kHz) ⁽¹⁾	8, 11.025, 16, 22.05, 32, 44.1, 48
Supported bit rate (kbps) ⁽²⁾	32 to 500

- (1) Audio sources higher than 96 kHz/24 bit are down-converted to 96 kHz/24 bit.
(2) VBR (Variable Bit Rate) is supported.

■ File names

The only files that can be recognized as MP3/WMA/AAC/WAV(LPCM)/FLAC/ALAC/Ogg Vorbis and played are those with the extension ".mp3"/".wma"/".m4a"/".3gp"/".aac"/".wav"/".flac"/".fla"/".ogg"/".ogx"/".oga". Save MP3/WMA/AAC/WAV(LPCM)/FLAC/ALAC/Ogg Vorbis files with a".mp3"/".wma"/".m4a"/".3gp"/".aac"/".wav"/".flac"/".fla"/".ogg"/".ogx"/".oga".

■ About ID3 tags, WMA tags, AAC tags, tags, and Vorbis comments

- MP3 files have ancillary character information called ID3 tags that can store song artist names, title names, album names, and more.
- WMA files have ancillary character information called WMA tags that can store song artist names, title names, album names, and more.
- AAC files have ancillary character information called AAC tags that can store song artist names, title names, album names, and more.
- WAV (LPCM) files have ancillary character information called tags that can store song artist names, title names, album names, and more.

- FLAC files have ancillary character information called tags that can store song artist names, title names, album names, and more.
- ALAC files have ancillary character information called tags that can store song artist names, title names, album names, and more.
- Ogg Vorbis files have ancillary text information called Vorbis comment that allows saving of the song artist names, title names, album names, and more.

■ High resolution sound sources

This device supports high-resolution sound sources. The definition of high-resolution is based on the standards of groups such as the CTA (Consumer Technology Association).

Supported formats and playable media are as follows.

Supported formats

WAV, FLAC, ALAC, Ogg Vorbis

Playable media

USB flash drive

iPhone/iPod

■ Trademark and design certification information



- Use of the Made for Apple badge means that an accessory has been designed to connect specifically to the Apple product(s) identified in the badge and has been certified by the developer to meet Apple performance standards.

- Use of the Apple CarPlay logo means that a vehicle user interface meets Apple performance standards.
- Apple is not responsible for the operation of this vehicle or its compliance with safety and regulatory standards.
- Please note that the use of this accessory with an Apple product may affect wireless performance.
- iPhone, iPod, iPod touch, Apple CarPlay, Siri, and Lightning are trademarks of Apple Inc., registered in the U.S. and other countries and regions.
- IOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.

Made for

- iPhone 12 Pro Max
- iPhone 12 Pro
- iPhone 12
- iPhone 12 mini
- iPhone SE (2nd generation)
- iPhone 11 Pro Max
- iPhone 11 Pro
- iPhone 11
- iPhone XS Max
- iPhone XS
- iPhone XR
- iPhone X
- iPhone 8 Plus
- iPhone 8
- iPhone 7 Plus
- iPhone 7
- iPhone SE
- iPhone 6s Plus
- iPhone 6s
- iPod touch (7th generation)

Android and Android Auto

■ Trademark and design certification information

Android Auto

Android and Android Auto are trademarks of Google LLC.

USB flash drive

■ Music files recorded using a computer

The following music files can be played.

- MP3
- WMA
- AAC
- FLAC
- WAV
- ALAC
- Ogg Vorbis

■ Video data information playable from USB flash drives

The following formats are supported for video files recorded from a computer to a USB flash drive.

Format	Codec
MPEG4 Extension: ".mp4" ".m4v"	● Video codec: H.264, MPEG-4 AVC, MPEG-4 ● Audio codec: MP3, AAC
AVI container extension: ".avi"	● Video codec: H.264, MPEG-4, MPEG-4 AVC, WMV9, WMV9 Advanced Profile ● Audio codec: MP3, AAC, WMA 9.2 (7, 8, 9.1, 9.2)
Windows Media Video extension: ".wmv"	● Video codec: WMV9, WMV9 Advanced Profile ● Audio codec: WMA 9.2 (7, 8, 9.1, 9.2)

- The maximum supported image size is 1920 x 1080 pixels.
- The supported frame rate is a maximum of 60i/30p.

- Video playback may not be possible depending on the type of recording device, the recording conditions, and the USB flash drive that is used.

MP3/WMA/AAC

Certain restrictions apply to the standards of the MP3/WMA/AAC files that can be used, and the media and formats that store such files. Microsoft, Windows, and Windows Media are the registered trademarks of Microsoft Corporation in the USA and other countries.

The specifications of the music data that can be used are as follows.

MP3

MP3 (MPEG Audio LAYER 3) is the standard format related to audio compression technology. When MP3 is used, the file can be compressed to approximately 1/10 the size of the original file.

WMA

WMA (Windows Media Audio) is the audio compression format of Microsoft Corporation. This can compress files to an even smaller size than MP3.

This product is protected by certain intellectual property rights of Microsoft. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft.

AAC

AAC (Advanced Audio Coding) is the standard format related to audio compression technology that is used in MPEG2 and MPEG4.

MPEG LA

This product is licensed under the MPEG-4 patent portfolio license, AVC patent portfolio license and VC-1 patent portfolio license for the personal use of a consumer or other uses in which it does not receive remuneration to

(i) encode video in compliance with the MPEG-4 Visual Standard, AVC Standard and VC-1 Standard ("MPEG-4/AVC/VC-1 Video") and/or

(ii) decode MPEG-4/AVC/VC-1 Video that was encoded by a consumer engaged in a personal activity and/or was obtained from a video provider licensed to provide MPEG-4/AVC/VC-1 Video.

No license is granted or shall be implied for any other use.

Additional information may be obtained from MPEG LA, L.L.C. See

<http://www.mpegla.com>.

Bluetooth®

The Bluetooth® specifications and profiles that can be used are as follows.

Item	Bluetooth® audio
Supported Bluetooth® specifications	Bluetooth® Core Specification Ver. 5.0 or later
Supported profiles	● A2DP (Advanced Audio Distribution Profile) profile for transmitting music data: Ver. 1.3.2 or later ● AVRCP (Audio/Video Remote Control Profile) profile for controlling (playing, stopping, etc.) portable audio from a multimedia system: Ver. 1.6.2 or later
Supported codecs	LDAC™, AAC, SBC

 INFORMATION

This is not a guarantee that all Bluetooth® devices can connect to the multimedia system.

■ **Certification**



Bluetooth® is a registered trademark of Bluetooth SIG, Inc.

■ **LDAC**



LDAC and LDAC logo are trademarks of Sony Corporation.

Wi-Fi®

Wi-Fi®, Miracast®, Wi-Fi CERTIFIED®, Wi-Fi Direct®, and WMM® are registered trademarks of Wi-Fi Alliance®.

9-1. Appendix

Wi-Fi Protected Setup™, WPA™, WPA2™, and WPA3™ are trademarks of Wi-Fi Alliance®.

Gracenote®

When music is played, the database of the multi media system is searched for the album name, artist name, genre, and track name. If the corresponding information is stored in the database, then the information is assigned automatically. The Gracenote® media database is used for the database information stored in this multi media system.

■ Gracenote® media database

- The title information assigned automatically may differ from the actual title information.
- The contents of the data provided by the "Gracenote media database" is not guaranteed to be 100% accurate.
- Gracenote, the Gracenote logo and logotype, and the "Powered by Gracenote" logo are either a registered trademark or a trademark of Gracenote, Inc. in the United States and/or other countries.



QR Code

The word "QR Code" is registered trademark of DENSO WAVE INCORPORATED in Japan and other countries.

Map data

©2025 HERE

Visit the link below for the data license.

<https://legal.here.com/terms/general-content-supplier/terms-and-notice/END-USER-LICENSE-AGREEMENT>

<https://legal.here.com/en-gb/terms/end-user-license-agreement>

Certification

Toyota Motor Europe NV/SA, Avenue du Bourget 60 - 1140 Brussels, Belgium www.toyota-europe.com

Toyota (GB) PLC, Great Burgh, Burgh Heath, Epsom, Surrey, KT18 5UX, UK

Manufacturer

- Name : Panasonic Automotive Systems Co., Ltd.
- Address : 4261, Ikonobe-cho, Tsuzuki-ku, Yokohama-shi, Kanagawa-ken 224-8520, Japan

Specifications of Bluetooth

Frequency band : 2402-2480MHz

Maximum radio-frequency power : 10mW Max

Specifications of WLAN

Frequency band : 2412-2472MHz

Maximum radio-frequency power : 100mW Max

Specifications of WLAN

Frequency band : 5180-5240MHz

Maximum radio-frequency power : 40mW Max

Specifications of WLAN

Frequency band : 5745-5825MHz

Maximum radio-frequency power : 25mW Max

Model No.[*]

CN-ST2DE0AE, CN-ST2EE2AE, CN-ST2EE3AE,
CN-ST2EE4AE, CN-ST2EE5AE



Hereby, Panasonic Automotive Systems Co., Ltd. declares that the radio equipment type [*] is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<https://www.ptc.panasonic.eu/>

С настоящото Panasonic Automotive Systems Co., Ltd. декларира, че този тип радиосъоръжение [*] е в съответствие с Директива 2014/53/ЕС.

Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес:

<https://www.ptc.panasonic.eu/>

Tímto Panasonic Automotive Systems Co., Ltd. prohlašuje,
že typ rádiového
zařízení [*] je v souladu se směrnicí 2014/53/EU.
Úplné znění EU prohlášení o shodě je k dispozici na této
internetové adrese:
<https://www.ptc.panasonic.eu/>

Hermed erklærer Panasonic Automotive Systems Co., Ltd. , at
radioudstyrstypen [*] er i overensstemmelse med direktiv
2014/53/EU.
EU-overensstemmelseserklæringens fulde tekst kan findes
på følgende internetadresse:
<https://www.ptc.panasonic.eu/>

Hiermit erklärt Panasonic Automotive Systems Co., Ltd. , dass der
Funkanlagentyp [*] der Richtlinie 2014/53/EU entspricht.
Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden
Internetadresse verfügbar:
<https://www.ptc.panasonic.eu/>

Käesolevaga deklareerib Panasonic Automotive Systems Co., Ltd. ,
et käesolev raadioseadme tüüp
[*] vastab direktiivi 2014/53/EL nõuetele.
ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil:
<https://www.ptc.panasonic.eu/>

Με την παρούσα ο/η Panasonic Automotive Systems Co., Ltd. ,
δηλώνει ότι ο ραδιοεξοπλισμός
[*] πληροί την οδηγία 2014/53/ΕΕ.
Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται
στην ακόλουθη ιστοσελίδα στο διαδίκτυο:
<https://www.ptc.panasonic.eu/>

Por la presente, Panasonic Automotive Systems Co., Ltd.
declara que el tipo de equipo radioeléctrico [*] es conforme con la Directiva
2014/53/UE.
El texto completo de la declaración UE de conformidad está
disponible en la dirección Internet siguiente:
<https://www.ptc.panasonic.eu/>

Le soussigné, Panasonic Automotive Systems Co., Ltd. déclare que l'équipement radioélectrique du type [*] est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: <https://www.ptc.panasonic.eu/>

Il fabbricante, Panasonic Automotive Systems Co., Ltd. , dichiara che il tipo di apparecchiatura radio [*] è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: <https://www.ptc.panasonic.eu/>

Ar šo Panasonic Automotive Systems Co., Ltd. deklarē, ka radioiekārta [*] atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: <https://www.ptc.panasonic.eu/>

Aš, Panasonic Automotive Systems Co., Ltd. , patvirtinu, kad radijo įrenginių tipas [*] atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos teksto prieinamas šiuo interneto adresu: <https://www.ptc.panasonic.eu/>

Panasonic Automotive Systems Co., Ltd. ovime izjavljuje da je radijska oprema tipa [*] u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: <https://www.ptc.panasonic.eu/>

Panasonic Automotive Systems Co., Ltd. igazolja, hogy a [*] típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: <https://www.ptc.panasonic.eu/>

B'dan, Panasonic Automotive Systems Co., Ltd. , niddikjara li dan it-tip ta' tagħmir tar-radju [*] huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: <https://www.ptc.panasonic.eu/>

Hierbij verklaar ik, Panasonic Automotive Systems Co., Ltd. , dat het type radioapparatuur [*] conform is met Richtlijn 2014/53/EU.

De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres:

<https://www.ptc.panasonic.eu/>

Panasonic Automotive Systems Co., Ltd. niniejszym oświadcza, że typ urządzenia radiowego [*] jest zgodny z dyrektywą 2014/53/UE.

Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym:

<https://www.ptc.panasonic.eu/>

O(a) abaixo assinado(a) Panasonic Automotive Systems Co., Ltd. declara que o presente tipo de equipamento

de rádio [*] está em conformidade com a Diretiva 2014/53/UE.

O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet:

<https://www.ptc.panasonic.eu/>

Prin prezenta, Panasonic Automotive Systems Co., Ltd.

declară că tipul de echipamente radio [*] este în conformitate cu Directiva 2014/53/UE.

Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet:

<https://www.ptc.panasonic.eu/>

Panasonic Automotive Systems Co., Ltd. týmto vyhlasuje,

že rádiové zariadenie typu [*] je v

súlade so smernicou 2014/53/EÚ.

Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese:

<https://www.ptc.panasonic.eu/>

Panasonic Automotive Systems Co., Ltd. potrjuje, da je tip radijske opreme [*] skladen z Direktivo 2014/53/EU.

Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu:

<https://www.ptc.panasonic.eu/>

Panasonic Automotive Systems Co., Ltd. vakuuttaa, että radiolaitetyyppi [*] on direktiivin 2014/53/EU mukainen.

EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa:

<https://www.ptc.panasonic.eu/>

Härmed försäkrar Panasonic Automotive Systems Co., Ltd. att denna typ av radioutrustning [*] överensstämmer med direktiv 2014/53/EU.

Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress:

<https://www.ptc.panasonic.eu/>

Manufacturer

- Name : Panasonic Automotive Systems Co., Ltd.
- Address : 4261, Ikonobe-cho, Tsuzuki-ku, Yokohama-shi, Kanagawa-ken 224-8520, Japan

Specifications of Bluetooth

Frequency band : 2402-2480MHz

Maximum radio-frequency power : 10mW Max

Specifications of WLAN

Frequency band : 2412-2472MHz

Maximum radio-frequency power : 100mW Max

Specifications of WLAN

Frequency band : 5745-5825MHz

Maximum radio-frequency power : 25mW Max

Model No.[*]

CN-ST2DE0AE,CN-ST2EE4AE,CN-ST2EE5AE



Hereby, Panasonic Automotive Systems Co., Ltd. declares that the radio equipment type[*] is in compliance with The Radio Equipment Regulations 2017. The full text of the UK declaration of conformity is available at the following internet address:
<https://www.ptc.panasonic.eu/>

Producător

Nume : Panasonic Automotive Systems Co., Ltd.

Adresa : 4261, Ikonobe-cho, Tsuzuki-ku, Yokohama-shi, Kanagawa-ken 224-8520, Japan

Bluetooth

Banda de frecvență : 2402-2480MHz

Puterea maximă a frecvenței radio : 10mW Max

WLAN

Banda de frecvență : 2412-2472MHz

Puterea maximă a frecvenței radio : 100mW Max

WLAN (only CN-ST2EE6AE,CN-ST2EE7AE)

Banda de frecvență : 5180-5240MHz

Puterea maximă a frecvenței radio : 25mW Max

WLAN (only CN-ST2EE6AE,CN-ST2EE7AE)

Banda de frecvență : 5745-5825MHz

Puterea maximă a frecvenței radio : 25mW Max

Numarul modelului.[*]

CN-ST2DE1AE,CN-ST2EE6AE,CN-ST2EE7AE



Prin prezenta, Panasonic Automotive Systems Co., Ltd. declară
că tipul de echipamente radio [*] este în conformitate cu Reglementarea
tehnică „Punerea la dispoziție pe piață a echipamentelor radio”.

Textul integral al declarației de conformitate este disponibil
la următoarea adresă de Internet:<https://service.panasonic.ua>

Bluetooth

смугу радіочастот, в якій працює радіообладнання; 2402-2480MHz
максимальну потужність випромінювання в смузі радіочастот,
в якій працює радіообладнання; 10mW

WLAN

смугу радіочастот, в якій працює радіообладнання; 2412-2472MHz
максимальну потужність випромінювання в смузі радіочастот,
в якій працює радіообладнання; 100mW

WLAN (only CN-ST2EEAAE,CN-ST2EEBAE)

смугу радіочастот, в якій працює радіообладнання; 5180-5240MHz
максимальну потужність випромінювання в смузі радіочастот,
в якій працює радіообладнання; 40mW

WLAN (only CN-ST2EEAAE,CN-ST2EEBAE)

смугу радіочастот, в якій працює радіообладнання; 5745-5825MHz
максимальну потужність випромінювання в смузі радіочастот,
в якій працює радіообладнання; 25mW

моделі №.[*]

CN-ST2DE1AE,CN-ST2EEAAE,CN-ST2EEBAE

справжнім Panasonic Automotive Systems Co., Ltd. заявляє,
що тип радіообладнання [*] відповідає Технічному регламенту
радіообладнання;

повний текст декларації про відповідність доступний на
веб-сайті за такою адресою:

<https://service.panasonic.ua/>

(розділ «Технічне регулювання»)

Üretici firma

- İsim : Panasonic Automotive Systems Co., Ltd.
- Adres : 4261, Ikonobe-cho, Tsuzuki-ku, Yokohama-shi, Kanagawa-ken 224-8520, Japan

Bluetooth'un Özellikleri

Frekans bandı : 2402-2480MHz

Maksimum radyo frekansı gücü : 10mW Maks

WLAN özellikleri

Frekans bandı : 2412-2472MHz

Maksimum radyo frekansı gücü : 100mW Maks.

WLAN özellikleri

Frekans bandı : 5180-5240MHz

Maksimum radyo frekansı gücü : 40mW Maks.

WLAN özellikleri

Frekans bandı : 5745-5825MHz

Maksimum radyo frekansı gücü : 25mW Maks.



Panasonic Automotive Systems Co., Ltd. , [*] tipi radyo ekipmanının 2014/53 / AB Yönetmeliğine uygun olduğunu beyan eder.

Uygunluk beyanının tam metnine aşağıdaki internet adresinden ulaşılabilir:

<https://www.ptc.panasonic.eu/>

Model No.[*]

CN-ST2DE8AE,CN-ST2EE6AE,CN-ST2EE7AE



Access to <https://www.ptc.panasonic.eu/>, enter the below Model No. into the keyword search box, you can download the latest "DECLARATION of CONFORMITY" (DoC).

Model No.[*]

CN-ST2DE0AE,CN-ST2EE2AE,CN-ST2EE3AE

Блуеџоох

Фреквенција фреквенције: 2402-2480MHz

Максимална фреквенција радија: 10mW

ВЛАН

Фреквенција фреквенције: 2412-2472MHz

Максимална фреквенција радија: 100mW

ВЛАН

Фреквенција фреквенције: 5180-5240MHz

Максимална фреквенција радија: 40 mW

ВЛАН

Фреквенција фреквенције: 5745-5825MHz

Максимална фреквенција радија: 25mW

Овим путем Panasonic Automotive Systems Co., Ltd.

изјављује да је тип радио опреме [*] у складу са Директивом 2014/53/EU.

Пун текст ЕУ изјаве о усаглашености доступан је на следећој

интернет адреси:

<https://www.ptc.panasonic.eu/>

Model No.[*]

CN-ST2DE0AE

מספר זיהוי היבוא: 511487761

חל איסור לבצע פעולות במכשיר שיש בהן כדי לשנות את תכונותיו האלחוטיות של המכשיר, ובכלל זה שינויי תוכנה, החלפת אנטנה מקורית או הוספת אפשרות לחיבור לאנטנה חיצונית, בלא קבלת אישור משרד התקשורת, בשל החשש להפרעות אלחוטיות.

მწარმოებელი

- სახელი: Panasonic Automotive Systems Co., Ltd.
- მისამართი: 4261, Ikonobe-cho, Tsuzuki-ku, Yokohama-shi, Kanagawa-ken 224-8520, Japan



ბლუთუზი

სიხშირის დიაპაზონი: 2402-2480 MHz

რადიოსიხშირის მაქსიმალური სიმძლავრე: 10mW მაქს

უკაბელო ლოკალური ქსელი

სიხშირის დიაპაზონი: 2412-2472 MHz

მაქსიმალური რადიოსიხშირული სიმძლავრე: 100 mW მაქს

უკაბელო ლოკალური ქსელი

(მხოლოდ CN-ST2EE6AE,CN-ST2EE7AE)

სიხშირის დიაპაზონი: 5180-5240 MHz

მაქსიმალური რადიოსიხშირული სიმძლავრე: 40mW მაქს

უკაბელო ლოკალური ქსელი

(მხოლოდ CN-ST2EE6AE,CN-ST2EE7AE)

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CN-ST2DE1AE,CN-ST2EE6AE,CN-ST2EE7AE

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