



Functions and services in this manual may differ from those in the actual vehicle.



Car Multimedia System



USER'S MANUAL

# Thank you for purchasing this Kia Car Multimedia System.

This user's manual explains how to use the Kia Car  
Multimedia System.

Before using the product, read the contents of this  
user's manual carefully and use this product safely.

- The screens shown in this manual may differ with the actual screens of the product.
- The design and specification of this product may change without prior notification for product improvement.
- When transferring the vehicle to another individual, include this user's manual so that the next driver can continue its use.

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# System Overview



# Read before use

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## User's Manual overview

- This guide covers specifications for all vehicle models, including optional specifications, and is based on the latest version of system software.
- The system design, specifications and functions are subject to change without prior notice, to improve the system performance.
- Functions and screens in this manual may differ from those in the actual vehicle.
- For more details, refer to the owner's manual, brochure or online manual of your vehicle.
- Your system is not compatible with the system software and map data for regions outside of the country of purchase.

## Available materials for operation

### Quick Reference Guide

Presented in the format of a booklet. It provides brief information of the system, including basic controls and main functions.

### User's Manual on Web

To view related information while using the system, press manual from the menus on the screen. By scanning the QR code with your smartphone, you can access the online user's manual.

## Symbols in this User's Manual



### Warning

Indicates very important information directly related to user safety. Failure to follow instructions may cause serious injury.



### Caution

Indicates important information directly related to user safety. Failure to follow instructions may cause minor injury or vehicle damage or breakdown.



### Note

Indicates helpful information for operation of the product.

### If equipped

Indicates descriptions for optional features, which may not be available on your specific vehicle depending on the model or trim level.

This guide covers specifications for all vehicle models, including optional specifications. It may include descriptions for features that are not equipped in your vehicle or are unavailable for your vehicle model.

### HEV only

Displays only the functions that can be used in a hybrid vehicle.

### PHEV only

Displays only the functions that can be used in a Plug-in hybrid vehicle.

### EV only

Displays only the functions that can be used in an electric vehicle.

## Safety Warning

Be sure to keep the following instructions. Otherwise, it may cause serious injury or accident.



### Driving

Obey all traffic laws while driving.

- Relying solely on the navigation system may cause violation of traffic rules and regulations, resulting in an accident.

In order to check the vehicle speed, look at the speedometer first, not the speed on the navigation system.

- The speed on the navigation system may differ from actual vehicle speed.

While driving, refrain from watching the screen.

- An accident may occur by negligence in keeping your eyes forward.
- To manipulate the screen or buttons requiring multiple steps, be sure to stop your vehicle.

To use your mobile phone, first stop your vehicle.

- When you use your mobile phone while driving, it may disperse your attention, resulting in an accident.
- If necessary, use hands-free (Bluetooth) calling when driving and minimize the call time.

Make sure the volume on your phone is sufficiently low so that external sounds are audible.

- When you drive with no external sound present may cause a traffic accident.
- If you drive for a long time with a loud audio volume, it may affect your hearing.

For emergency services (e.g. hospital, fire station), do not rely solely on the navigation system.

- Some emergency services may not be included in the navigation map. Check relevant information in advance to stay prepared for an emergency.

Stop the vehicle before using the update feature.

- If you perform an update while driving, the screen may not display the current location normally. When the vehicle is driven after an update is complete, the current location is displayed normally.





## System handling

Do not arbitrarily disassemble or modify the system.

- It may cause an accident, fire, or electric shock.

Exercise caution and ensure that no liquid or foreign materials enter the system.

- It may cause smoke generation, fire ignition or system failure.

If the screen is not displayed, the volume is muted or other system failures occur, immediately stop using the system.

- Otherwise, a fire, electric shock or system failure may result.

## Safety Precautions

Be sure to keep the following instructions. Otherwise, risk of minor injury or system damage may result.



### Operation

Use the system with the vehicle started.

- If you use the system for a long time with the vehicle stopped, it may cause battery discharge.

Do not arbitrarily install an unauthorized aftermarket product in your vehicle.

- It may cause system errors.
- System errors caused by installing unapproved products are not covered under the warranty.



### System handling

Do not apply excessive force to the system.

- When you apply excessive force or pressure to the screen, the LCD panel or touch panel or touch panel may get damaged.

To clean the screen or button panel, first turn off the vehicle and then use a dry, soft cloth to wipe it.

- Do not wipe using a rough or hard cloth, chemical fiber, organic solvent (e.g. alcohol, benzene, thinner), or air freshener. The panel surface may become scratched or damaged due to a chemical reaction.

If you attach an air freshener to the air conditioner vent, the surface may deform due to leakage.

# Component names and functions

## Control panel

 The shape may differ depending on the vehicle model and specifications.

POWER button (PUSH/PWR)/VOLUME knob (VOLUME/VOL)

- Turn on or off the Radio/Media.
- Press and hold the button to turn off the screen and sound.
- Turn the knob to adjust the system volume (except for navigation sound).

HOME button

- Go to the Home screen.

MAP button

- Returns to the current location on the map.

SEARCH button

- Displays the Search screen.

MEDIA button

- Runs the connected media.
- Press and hold the button to display the Radio/Media selection window.

NAV button

- Moves to the navigation menu screen.

RADIO button

- Activates radio mode.
- When the radio is on, press the button repeatedly to toggle between FM and AM modes.
- Press and hold the button to display the Radio/Media selection window (if equipped).

ASEEK/TRACK D(S/W) button

- While listening to the radio, change the station.
- While playing media, change the track/file.

Custom button (K)

- Runs the user-defined function.
- Press and hold the button to display the function settings screen.

SETUP button

- Displays the Settings screen.
- Press and hold the button to display the version information screen.

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Tune/Enter knob (if equipped)

- While listening to the radio, adjust the frequency or change the station.
- While playing media, scan music files.
- During scanning, select the current station, music or file.

System Reset button

- Restarts the system.

## Steering Wheel Remote Control

The shape may differ depending on the vehicle model and specifications.

### C / MODE button

- Press repeatedly to change the system mode (radio, media, etc.).
- Press and hold to display the function settings screen.

### Voice Recognition button (i)

- Press start voice recognition.
- Press and hold to start or end voice recognition of a connected smartphone via phone projection. (The button's operation may vary depending on smartphone specifications.)

### W/S button

- While listening to the radio, change the favorite station. Press and hold to search for a station.
- While playing media, change the track/file.

### Volume button (J/I/d)

- Adjust the volume.
- Mute or unmute the volume (except for navigation sound).
- Pause or resume playback.

### Custom button (★) (if equipped)

- Runs the user-defined function.
- Press and hold to display the function settings screen.

### W Call button (if equipped)




- When not connected to Bluetooth: Display the Bluetooth connection window.
- When connected to Bluetooth: Display the recent calls list. To redial the last call number, press and hold the button.
  - During a call: End a call.
  - When a call comes in: Answer the call. To reject the call, press and hold the button.

# Turning on/off the system

## Turning on the system

1. The system is automatically on when the vehicle engine starts.  
When the system is on, the screen shows the logo of auto maker and the user precautions.



-  For initial settings, refer to "Using the First Run Setup."
-  To change the display language, press Language.
-  The screen may differ depending on the vehicle model and specifications.


2. Press Confirm.

### Warning

- Some functions may not be active while driving to ensure safety. Those functions run only when the vehicle is stationary. In order to use them, first stop the vehicle.
- When the screen is not displayed, the volume is muted, or other system failures occur, immediately stop using the system. When you use the faulty system continuously, it may cause fire, electric shock, or fatal system failure.

## Turning off the system

To turn off the system while driving, press and hold the Power button on the panel.  
The screen and sound will be turned off.

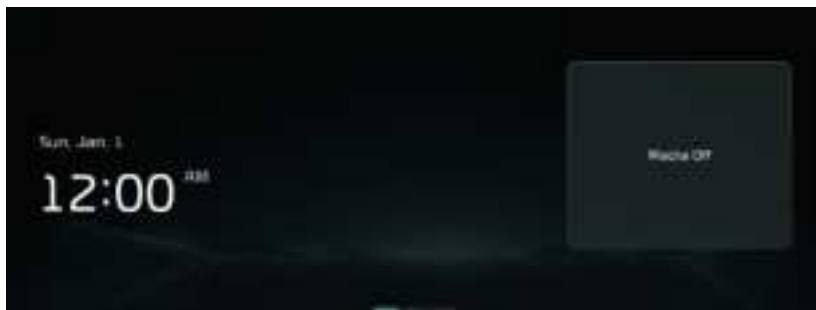
-  Sudden high audio volume when the system starts may impair the hearing. Be cautious on the volume when turning the system on. Adjust the volume to an adequate level before turning the system off.

# Using the Home screen

## Home screen

The Home screen consists of several pages. To move between pages, swipe left or right on the touch screen.

 To return to the Home screen from other screen, press .



## Warning

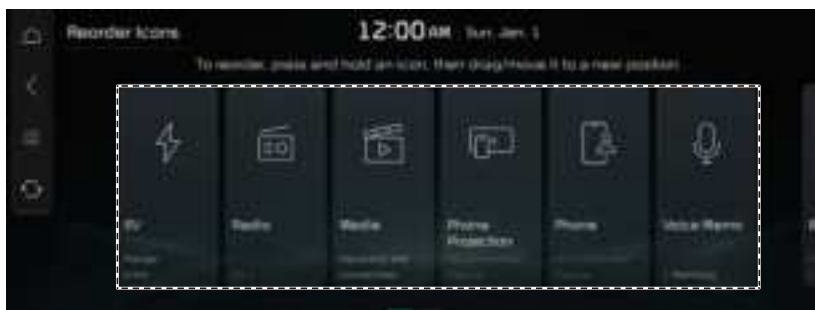
- The video screen is disabled while driving, to ensure safety. To watch a video, stop the vehicle first. If the vehicle has a manual transmission, you can watch video after engaging the parking brake. If the vehicle has an automatic transmission, you can watch video after shifting to "P" (park) or engaging the parking brake.
- Some functions may not be active while driving, to ensure safety. Those functions run only when the vehicle is stationary. In order to use them, first stop the vehicle.
- If the screen is not displayed, the volume is muted or other system failures occur, immediately stop using the system. If you use the faulty system continuously, a fire, electric shock, or fatal system failure may result.

## Caution

- If you use the system with the vehicle turned off, the battery warning message appears. The warning message disappears as soon as you turn on the vehicle.
- Do not press the touch screen with excessive force or a sharp object. The touch screen may become damaged.
- Do not let any electrically conductive material contact the touch screen, and do not place any objects that generate electromagnetic waves, such as wireless chargers or electronic devices, near the touch screen. The system may work incorrectly due to electromagnetic effects, which may cause the touch screen to malfunction.

## Changing the Home screen layout

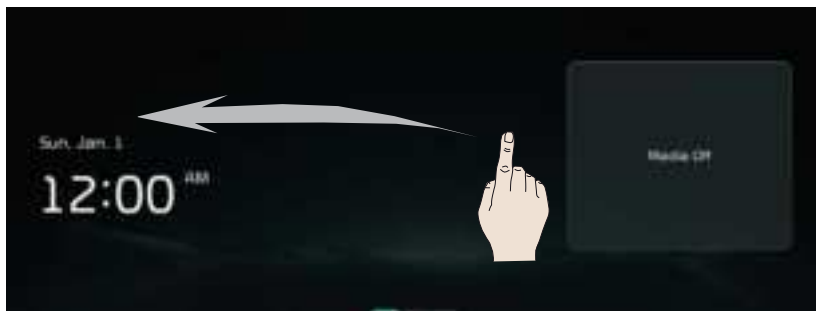
To change the location of an icon, press and hold, and drag the icon to the desired position. Customize the arrangement of menu items on the Home screen.





## Viewing the Home screen

Press on the Home screen and swipe left as shown below. You can see the list of all functions of the system.



# Using split screen

Display a variety of split screens, such as a map and clock, on the right side of the screen.

## Opening/closing the split screen

To open the split screen, swipe left on the area that will display the split screen. To close the split screen, swipe right on the split screen.



## switching between split screen

Swipe the split screens up or down.

To switch between pages of a split screen that has multiple pages, press either the left or right side of the split screen.






# Using Search

The system storage can be searched for information you need.

Press the [SEARCH] button on the control panel, enter a search term, and then select the item to run.

Search results, Help messages, recommended keywords, recent search results, and other items of information are displayed.

 It is also possible to search for specific information by pressing , if the icon is displayed on the screen.

 Search results are provided sequentially based on the structure of the provided menu and the information in various modes.



 To change the keyboard settings for the system, press .

# Manual



# Viewing the online manual

Use your mobile phone to view the online manual.

1. On the Home screen, press Manual.
2. Scan QR code with mobile device. For precise scan, avoid reflecting light, and maintain bright screen.

# User Profile



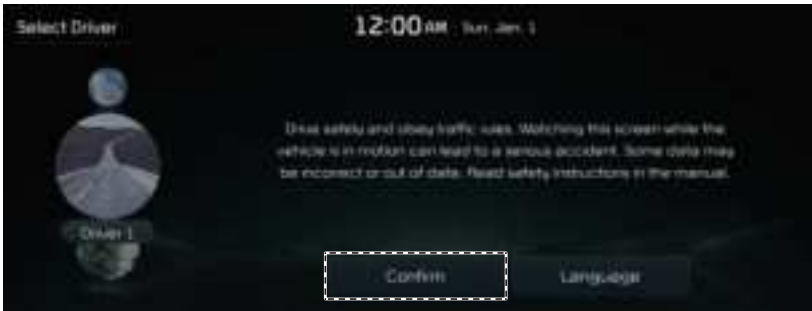
# Using the First Run Setup

You can configure the system settings for each driver when multiple people are using the vehicle.


 When you log in as guest, you cannot configure the profile settings. To set a different profile, select another user.

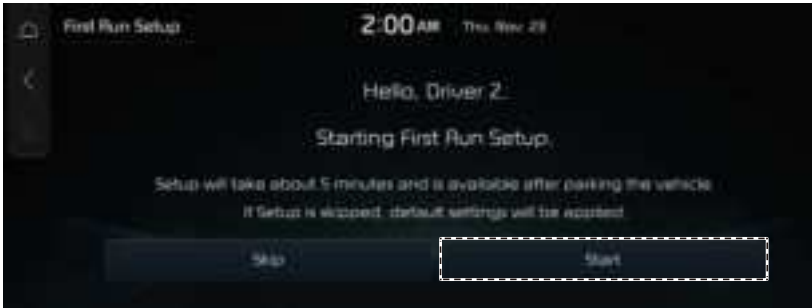
 You can register up to 2 users.

1. When a safety warning message appears, read it, select the driver image, and then press Confirm.

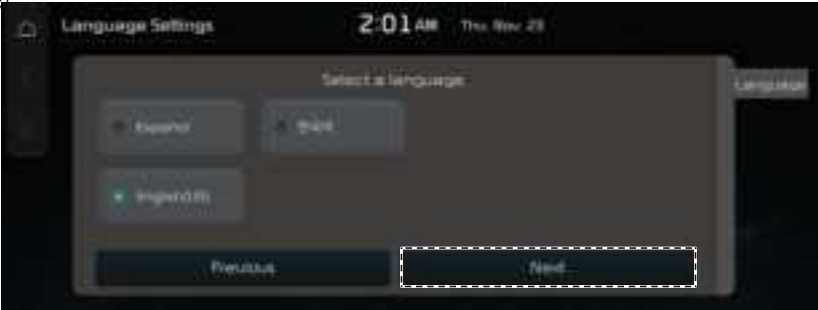


2. When the First Run Setup screen appears, press Start.

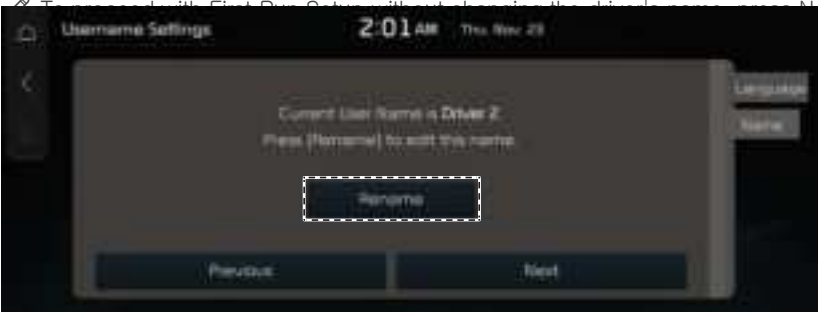
 To use the default settings without changing the environment, press Skip.



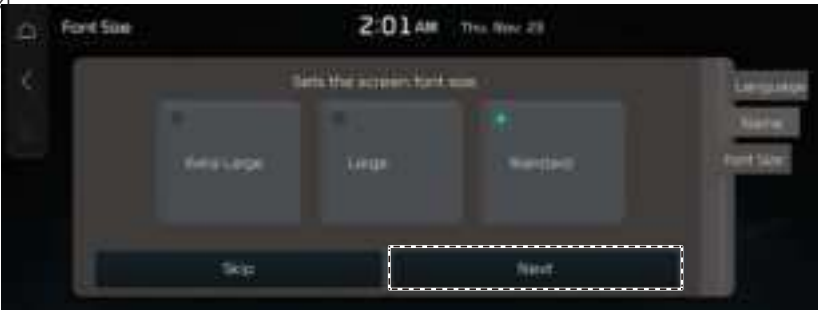
3. Set the language to display on the screen and then press  
Next



4. To set the driver's name, press  
Rename. The name change screen  
appears.

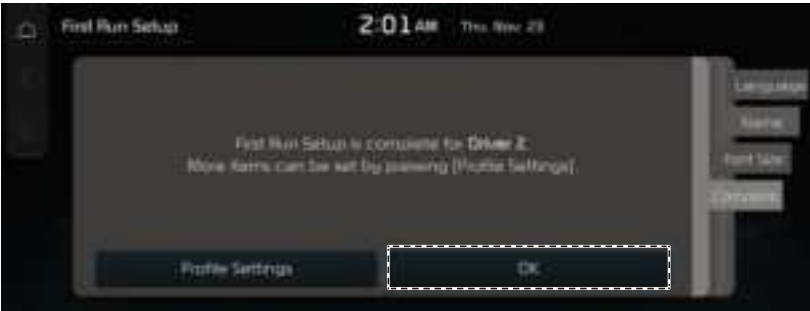


5. To set the size of the screen font and press  
Next





- When the First Run Setup screen appears, press OK. Displays the Home screen.

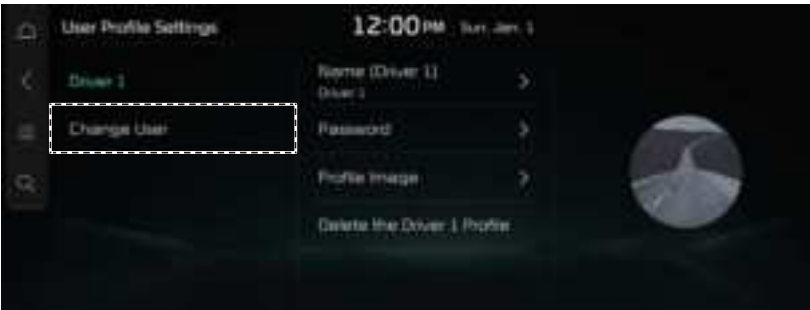


To set the detailed user information and operation environment, press Profile Settings.

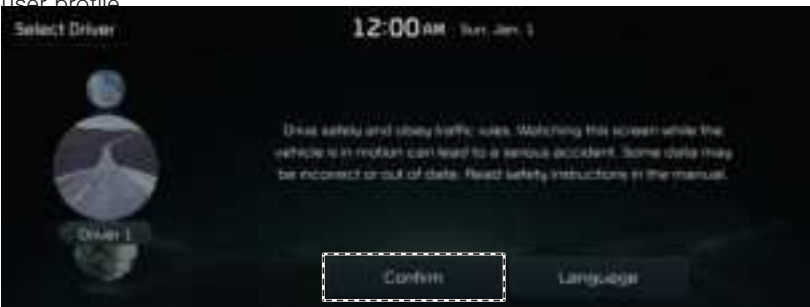
## If a User Profile Has Been Created

Select a registered user profile to use the personalized service.

- On the User Profile Settings screen, press Change User.



- Select the user profile to use, Press Confirm. Follow the instructions to set up user profile.




# Media



# Using media

Play music or video by using various media, such as radio or USB. Perform any of the following methods.





- On the Home screen, press the Radio/Media.
  - On the control panel, press the [MEDIA] button.
- ✎ When multiple media are connected, press the [MEDIA] button and then press the desired media source from the Radio/Media selection window (if equipped).
- ✎ Press  on the screen or press the [SEARCH] button on the control panel, enter a search term, and then select the item to run.
- ✎ The screen may differ depending on the vehicle model and specifications.



# Turning on the radio

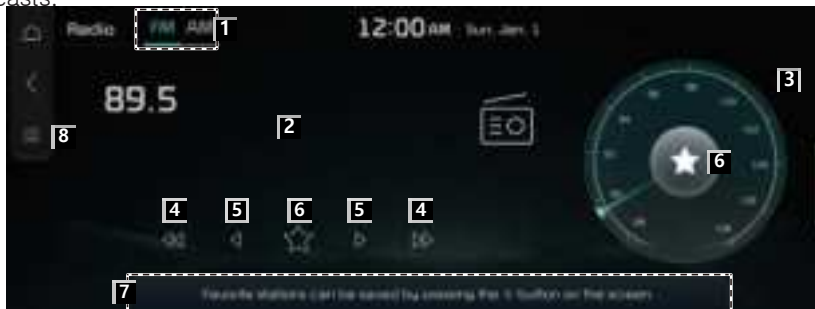
You can scan radio channels by using various options. Save your favorite channels to the presets list.

Perform any of the following methods.

- On the Home screen, press Radio.
  - On the control panel, press the [MEDIA] or [RADIO] button.
-  If multiple media are connected, on the control panel, press and hold the [MEDIA] button.
-  Press  on the screen or press the [SEARCH] button on the control panel, enter a search term, and then select the item to run.
-  The screen may differ depending on the vehicle model and specifications.

## Radio screen

The radio screen provides various functions while listening to radio broadcasts.



aSelects the desired radio band by pressing FM or AM.

bShows the frequency of currently tuned station.

cShows the frequency bar of currently tuned station.

dSearches the frequency to left/right.

eTurning the wheel up/down to increases/decreases the frequency by one step.

fSaves the current frequency in a desired preset list and press again to delete the preset.

gShows radio frequency saved in preset list.

hDisplays the list of menus.

- Display Off: Turns off the screen. To switch the screen back on, press the screen or briefly press the power button.
- Station List: Can see the list of available radio stations.
- Scan FM(Available only with FM): This function scans all stations and plays only stations with good signal strength for 5 seconds each.
- Scan AM(Available only with AM): This function scans all stations and plays only stations with good signal strength for 5 seconds each.
- Delete Presets: Can delete a registered channel from the favourites list.
- Auto. Freq. Switching: Automatically switches the frequency, depending on the radio wave conditions.
- Sound Setting: Displays the system sound settings screen.

 The broadcasting station names and local information are displayed using GPS data. Those information may not appear if GPS data is not received.


 The displayed broadcasting station names may not match the actual names.

## Changing the radio mode

Perform any of the following methods:

- On the Radio screen, press Radio Mode button repeatedly.
- On the control panel, press the [RADIO] button repeatedly (if equipped). The radio mode changes in the order of FM > AM > FM.



 The screen may differ depending on the vehicle model and specifications.


## Changing the radio channel

Perform any of the following methods:


- On the Radio screen, press the desired channel from the presets list.
- On the control panel, press the [ASEEK] [TRACK D] button.
- Use the TUNE button on the control panel to search for the desired station. If the TUNE button on the control panel is pressed within 5 seconds after search begins, the current station being scanned plays. If there is no input for 5 seconds, the search stops and the currently playing station is displayed.
- On the steering wheel, press the move button up or down. You can listen to the change radio station.

## Using the scan function

You can listen to each broadcast briefly and select a desired one.

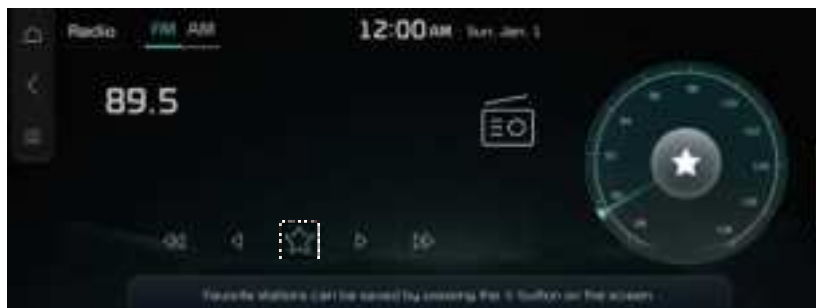
1. On the Radio screen, press  > Scan FM/Scan AM.
2. When you find the desired broadcast, press the radio screen. You can continue listening to the scanned channel.


## Saving radio channels

You can save a specific radio station's channel and easily access the channel. While listening to a broadcast, press  or K on the screen.

The current channel is added to the presets list.


 Alternatively, on the Radio screen, press  > Station List and press  of the channel you want to save. The channel is saved to the preset list.



 The screen may differ depending on the vehicle model and specifications.


## Editing the radio channel list

### Deleting a registered channel

1. At the upper left of the Radio screen, press  > Delete Presets.
2. Select the channel to delete and press Delete > Yes. The channel is deleted and the preset list is emptied.


 When the current channel is already assigned to the presets list, press  to remove the channel from the list.

## Listening to HD Radio™

You can listen to radio from HD Radio station when they are available. On the Radio screen, press .

When HD Radio signals are received, the radio switches from the analog mode to the HD mode.



 The screen may differ depending on the vehicle model and specifications.

 HD Radio is available only in metropolitan areas.



## HD Radio™ Technology



### Program Info

Program Info provides song name, artist, station ID, and other relevant data to the receiver.

### Digital Sound

HD Radio broadcasts deliver crystal clear digital audio quality to consumers.

### HD2/HD3

Adjacent to traditional main stations are HD2/HD3 Channels, providing new original formats on the FM dial.

### Artist Experience:

Visual images, such as album art and station logos, of over-the-air broadcasts from HD Radio stations.

HD Radio Technology manufactured under license from iBiquity Digital Corporation. U.S. and Foreign Patents. For patents see <http://dts.com/patents>. HD Radio, Artist Experience, and the HD, HD Radio, and "ARC" logos are registered trademarks or trademarks of iBiquity Digital Corporation in the United States and/or other countries.

# Playing music via Bluetooth



Play music files from an audio device connected by Bluetooth.

1. Perform any of the following methods.

- On the Home screen, press Media.
- On the control panel, press the [MEDIA] button.


 If multiple media are connected, on the control panel, press and hold the [MEDIA] button.

2. Press Bluetooth Audio. Plays the last music previously played.

 Press  on the screen or press the [SEARCH] button on the control panel, enter a search term, and then select the item to run.


 The screen may differ depending on the vehicle model and specifications.

 When the Bluetooth phone connection is cancelled during play, the music is terminated.

 The controls or display screen may differ depending on the connected Bluetooth device, phone model, and music player App.

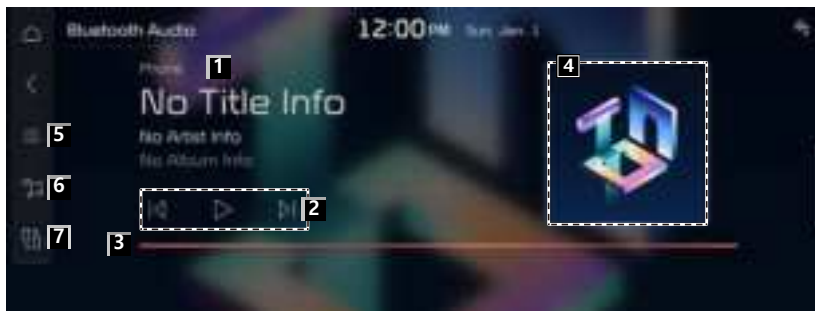
 The streaming may not be supported in some music player Apps.

 Some functions may not be available depending on the connected Bluetooth device or phone model.

 When a media device or mobile phone is connected by both the Bluetooth and USB cable at the same time, the device or system may not work properly. To use Bluetooth connection, remove all cables from the device.

## Bluetooth Audio screen

The media player runs when you play a music file from a connected audio device via Bluetooth.



aShows the artist, song title and the album title.

bControls play, pause and search.

cShows the duration of the playing song and the current playback position.

dDisplays the album art for the music playing on the connected device.


eDisplays the list of menus.

- Display Off: Turns off the screen. To switch the screen back on, press the screen or briefly press the power button.
- List: Moves to list screen.
- Media Sources: Opens the Radio/Media selection window.
- Change Device: Find and connect other Bluetooth devices.
- Sound Settings: Displays the system sound settings screen.

fMoves to list screen.

gFind and connect other Bluetooth devices.

 The screen may differ depending on the vehicle model and specifications.

 The sound effect settings button may appear on the screen depending on the amp specifications.

### Pause/Resume

On the Bluetooth audio player screen, press  or .



Playing the previous/next music during audio playback via Bluetooth

Perform any of the following methods.

- On the Bluetooth Audio player screen, press  or .

- On the control panel, press the [A SEEK] or [TRACK D] button.
- On the steering wheel, press the move button up or down.

 The actions required may differ depending on the connected device.


 To play the current track from the beginning, press  on the screen, or press the [A SEEK] button on the control panel.

# Playing Sounds of Nature



Turn on Sounds of Nature mode to listen to the calming sound of rain, waves, and more to relax while driving.

1. Perform any of the following methods.

- On the Home screen, press Media.
- On the control panel, press the [MEDIA] button.

 If multiple media are connected, on the control panel, press and hold the [MEDIA] button.

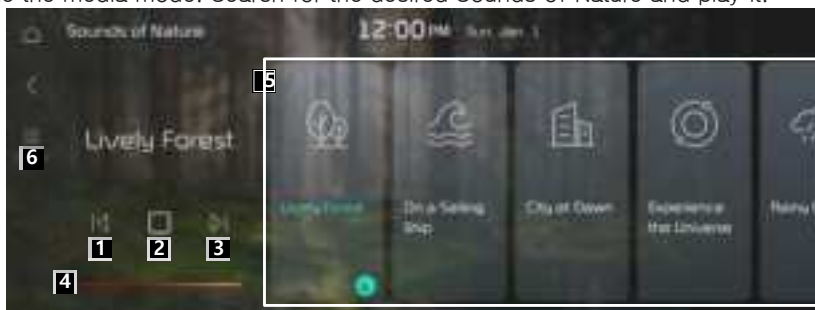
2. On the Media screen, press Sounds of Nature.

 Press  on the screen or press the [SEARCH] button on the control panel, enter a search term, and then select the item to run.

 The screen may differ depending on the vehicle model and specifications.

## Sounds of Nature screen

Change the media mode. Search for the desired Sounds of Nature and play it.



aPlay the previous sound.

bPause or resume playback.



cPlay the next sound.

dYou can check the playback status of Sounds of nature.

eSelect and play Sounds of nature.

fDisplays the list of menus.

- Display Off: Turns off the screen. To switch the screen back on, press the screen or briefly press the power button.
- Media Sources: Opens the Radio/Media selection window.
- Sound Settings: Displays the system sound settings screen.

- 
-  Playing Sounds of Nature will mute will or pause other sound effects and music that may be active at the moment.
  -  Incoming or outgoing calls will pause Sounds of Nature playback.


# Playing music from a USB device

Use USB mode to play a music file saved on a portable device, such as a storage device or MP3 player.



1. Connect a media device for music playback to the USB port in the vehicle.

2. Perform any of the following methods.

- On the Home screen, press Media.
- On the control panel, press the [MEDIA] button.

 If multiple media are connected, on the control panel, press and hold the [MEDIA] button.

3. On the Media screen, press USB Music.

 Press  on the screen or press the [SEARCH] button on the control panel, enter a search term, and then select the item to run.

 The screen may differ depending on the vehicle model and specifications.



## Caution

- Be sure to start the vehicle before connecting a USB device. When you start the vehicle after connecting a USB device, the USB device may get damaged.
- Be careful of static electricity when connecting or removing a USB device. It may cause a system failure.
- Be careful and avoid your body or an object coming into contact with the USB port on the vehicle. It may cause an accident or system failures.
- Do not repeatedly connect and remove the USB connector within a short time. It may cause device errors or system failures.
- Do not use a USB device for purposes other than playback. When you connect a USB for charging or heating, the system performance may decrease or it may cause system failures.

## USB music screen



aDisplays the information of the current music.

bRestart playing the current file or previous file.

cCan pause or resume playback.

dCan play the next file.

eCan see the duration of the playing song and the current playback position.

fDisplays the play list.

gUsed to turn on or off the shuffle playback mode.

hUsed to change the repeat playback mode.


iShows the album image for the currently playing track. Press the album image to move to the album tracklist that includes the currently playing track.

jShows the number of music files for playback and the sequence of the currently playing music.

kDisplays the list of menus.

- Display Off: Turns off the screen. To switch the screen back on, press the screen or briefly press the power button.
- List: Moves to the file list screen.
- Shuffle: Used to turn on or off the shuffle playback mode.
- Repeat: Used to turn on or off the repeat playback mode.
- Media Sources: Opens the Radio/Media selection window.
- Songs for This Artist: Moves to the list of the artist's songs.
- Songs for This Album: Moves to the list of music albums that contain the current song.
- Sound Settings: Displays the system sound settings screen.

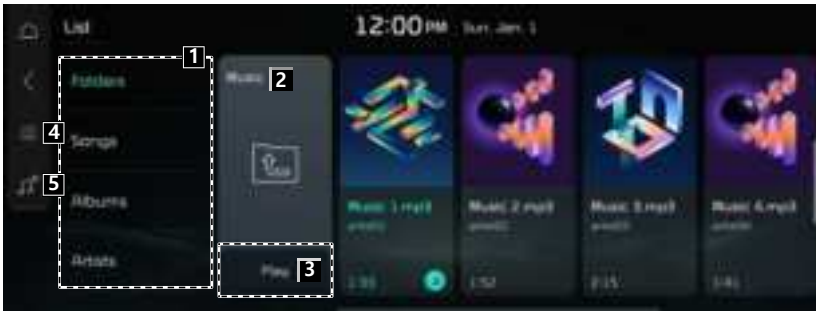
lDisplays the USB list screen.

 The sound effect settings button may appear on the screen depending on the amp specifications.



## USB music list screen

You can search and play the desired music from the list by pressing List on the USB music playback screen.



aCan see music files for each category. In the artist or album category, you can select multiple artists or albums to play their songs.

bMoves to the upper folder or category.


cPlays from the first file within the selected folder.


dThe list of menu items appears.


- Display Off: Turns off the screen. To switch the screen back on, press the screen or briefly press the power button.
- Repeat All in Folder: Set to play media files in all sub-folders included in the current playlist.

eReturn to the player screen.

- ✎ The sound effect settings button may appear on the screen depending on the amp specifications.
- ✎ When connecting a USB storage, do not use a separate extension cable and directly connect to the USB port. When you connect a USB storage via a USB hub or extension cable, the device may not be recognized.
- ✎ Push the USB connector fully into the USB port. When the connector is not fully inserted, a communication problem may occur.
- ✎ Noise may occur when removing a USB device from the system.
- ✎ You can play only the files that have been encoded in the standard format.
- ✎ The following USB devices may not be recognized or may not work properly.
  - Encrypted MP3 players
  - USB devices that are not recognized as removable disks
- ✎ USB device may not be recognized depending on the device status.
- ✎ Some USB device may not be supported due to compatibility issues.

 USB device recognition may take longer than usual depending on the device type, capacity, and file formats on the device.

 Some device may not be charged through USB connection. It depends on the USB specifications.

 Some device You can hide file only in the USB device formatted in exFAT/NTFS/FAT16/32.



 The hidden files can be found in the "Hidden\_" folder.

## Pause/Resume

On the USB music player screen, press  or .



## Rewind/Fast forward



Perform any of the following methods.

- On the USB Music player screen, press and hold  or .
- On the control panel, press and hold the [ASEEK] or [TRACK D] button (if equipped).
- On the steering wheel, press and hold the move button up or down.

## Playing the previous/next file during USB Music playback

Perform any of the following methods.

- On the USB Music player screen, press  or .
- On the control panel, press the [ASEEK] or [TRACK D] button.
- Use the TUNE button on the control panel to search for the desired music. If the TUNE button on the control panel is pressed within 5 seconds after search begins, the current music being scanned plays. If there is no input for 5 seconds, the search stops and information on the currently playing file is displayed.
- On the steering wheel, press the move button up or down.

 To play the current file from the beginning, press  on the screen, or press the [ASEEK] button on the control panel.

## Changing the repeated playback mode for USB Music

You can change the repeated playback mode for USB music: Repeat One, Repeat Folder, and Repeat All.

On the USB Music player screen, press  repeatedly.

Each time the icon is pressed, the playback repetition modes are toggled and the activated mode icon appears on the screen.

## Using shuffle USB Music playback mode

On the USB Music player screen, press  repeatedly.


Each time the icon is pressed, the shuffle playback mode is turned on and off. When the shuffle playback is active, the files are played randomly with no sequence.

# Playing video from a USB device



Use USB mode to play a video file saved on a portable device, such as a storage device or MP3 player.

1. Connect a media device for video playback to the USB port in the vehicle.
2. Perform any of the following methods.

- On the Home screen, press Media.
- On the control panel, press the [MEDIA] button.

 If multiple media are connected, on the control panel, press and hold the [MEDIA] button.

3. On the Media screen, press USB Video.

 Press  on the screen or press the [SEARCH] button on the control panel, enter a search term, and then select the item to run.

 The screen may differ depending on the vehicle model and specifications.



## Caution

- Be sure to start the vehicle before connecting a USB device. When you start the vehicle after connecting a USB device, the USB device may get damaged.
- Be careful of static electricity when connecting or removing a USB device. It may cause a system failure.
- Be careful and avoid your body or an object coming into contact with the USB port on the vehicle. It may cause an accident or system failures.
- Do not repeatedly connect and remove the USB connector within a short time. It may cause device errors or system failures.
- Do not use a USB device for purposes other than playback. When you connect a USB for charging or heating, the system performance may decrease or it may cause system failures.

## USB video screen



aDisplays the folder and file names.

bSee the duration of the currently playing video and the current playback position.

cChoose and play the desired video.

dRestart playing the current file or previous file.

eRewind by 30 seconds.

fPause or resume playback.

gFast-forward by 30 seconds.

hPlay the next file.

iChange the repeat playback mode.

jDisplay the sequence number of the current file and the total number of files for playback.

kThe list of menu items appears.

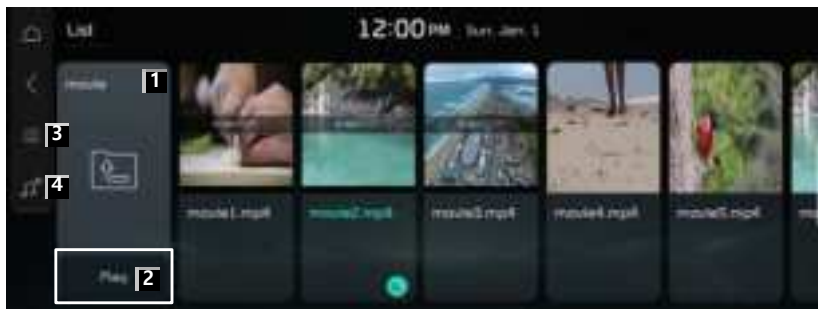
- Display Off: Turns off the screen. To switch the screen back on, press the screen or briefly press the power button.
- List: Moves to the file list screen.
- Repeat: Used to turn on or off the repeat playback mode.
- Media Sources: Opens the Radio/Media selection window.
- File Information: Can see the information about the playing video file.
- Subtitle Settings: Available to use for a file supporting multiple-subtitles. Selects the subtitle displayed on the screen.
- Sound Settings: Displays the system sound settings screen.
- Display Settings: Displays the system display settings screen.
- Voice Settings: Available to use for a file supporting multiple voices.
- Full Screen: Video is played on the entire screen.

lMoves to the file list screen.

mDisplays the USB video screen.

## USB video list screen

You can search and play the desired music from the list by pressing List on the USB video playback screen.



aMoves to the upper folder.


bPlay media files in all folders included in the current playlist.

cThe list of menu items appears.

- Display Off: Turns off the screen. To switch the screen back on, press the screen or briefly press the power button.
- Repeat All in Folder: Play media files in all sub-folders included in the current playlist.

dReturn to the USB Video player screen.

 The screen may differ depending on the vehicle model and specifications.

 When connecting a USB storage, do not use a separate extension cable and directly connect to the USB port. When you connect a USB storage via a USB hub or extension cable, the device may not be recognized.

 Push the USB connector fully into the USB port. When the connector is not fully inserted, a communication problem may occur.

 Noise may occur when removing a USB device from the system.


 You can play only the files that have been encoded in the standard format.


 The following USB devices may not be recognized or may not work properly.

- Encrypted MP3 players
- USB devices that are not recognized as removable disks

 USB devices may not be recognized depending on the device status.

 Some USB device may not be supported due to compatibility issues.

 USB device recognition may take longer than usual depending on the device type, capacity, and file formats on the device.

 Some devices cannot be charged through USB connection, depending on the USB specifications.

### Warning



Video playback is limited while driving, to ensure safety. If you play a video while driving, there is a risk of crash due to failure to pay attention to traffic ahead.

### Pause/Resume

On the USB Video player screen, press  or .



### Rewinding/fast-forwarding a USB Video

Perform any of the following methods.

- On the USB Video player screen, press and hold  or .
- On the control panel, press and hold the [ASEEK] or [TRACK D] button.
- On the steering wheel, press and hold the move button up or down.
- To rewind or fast forward to a point 10 seconds earlier or later during USB video playback, double-press the left or right side of the playback screen.

### Playing the previous/next file during USB Video playback

Perform any of the following methods.

- On the USB Video player screen, press  or .
- On the control panel, press the [ASEEK] or [TRACK D] button.
- On the steering wheel, press the move button up or down.

### Changing the repeated playback mode for USB Video

You can change the repeated playback mode for USB Video: Repeat One, Repeat Folder, and Repeat All.

On the USB Video player screen, press  repeatedly.

Each time the icon is pressed, the playback repetition modes are toggled and the activated mode icon appears on the screen.

# Phone



## Using a Phone via Bluetooth

Use a mobile phone connected to the vehicle via Bluetooth, to send or receive calls. The Bluetooth connection allows you to view call details directly from the system screen, and to make calls safely and easily use the system microphone and speaker.

To connect to a device via Bluetooth, refer to the following: see "Connecting a Bluetooth device."



### Warning

- Park the vehicle at a safe place before connecting your mobile phone. It may take the driver's attention off the road and cause a traffic accident, which can result in damages, injuries, and/or death.
- While driving, do not make a call by dialing a phone number or do not pick up your phone to talk. Using a mobile phone may be distracting when you should be focused on traffic flow around, which may prevent you from responding quickly to unexpected events. As a result, a traffic accident may occur. If necessary, use the Bluetooth hands-free function and make the call as short as possible.



# Connecting a Bluetooth device

Bluetooth is a short-range wireless networking technology. The Bluetooth communication function allows you to exchange data by connecting a Bluetooth device to another neighboring Bluetooth device without a cable connection. With this function, you can see different types of devices more efficiently.

To make a phone call or play audio from a Bluetooth device, check the following first:

- For a device that is not registered to the system, see "Registering a device."
- A registered device will automatically connect to the system when you bring it near the system. If it does not automatically connect, see "Connecting a registered device", "Disconnecting a registered device."



## Warning

Park the vehicle at a safe place before connecting a Bluetooth device to the system. It may take the driver's attention off the road and cause a traffic accident, which can result in damages, injuries, and/or death.



The Bluetooth connection function supports only the hands-free and audio related functions. Connect a mobile device, MP3 player or other devices that support the hands-free or audio function.


## Registering a device

To connect a Bluetooth device to the system, first add the device to the list of Bluetooth devices on the system.

1. On the Home screen, press Setup > Device Connections > Device Connections > Add.


 To register a device for the first time, press the Call button on the steering wheel or press Phone on the Home screen.


2. Turn on Bluetooth on the Bluetooth device to connect and select the vehicle system from the list of searched devices.


 The Bluetooth device name of the system can be found in the Add New Device Window that pops up.




3. Confirm that the authentication code on the Bluetooth device screen matches the code on the system screen, and approve the connection on the device.
4. When your smartphone is using Bluetooth communication, to download contacts from the phone to the system or use the text message notification, allow access to your phone.

 Access is only required to use Bluetooth calling. There will be no access request when you connect an audio device.

 After the access request is approved, it may take a while until the Bluetooth connection is established. As soon as the Bluetooth connection is established, the Bluetooth connection indicator icon appears at the top of the screen.




 Access to data can be enabled or disabled by using the Bluetooth Settings menu on the mobile phone. Refer to the mobile phone's user manual.

 A registered device will automatically connect to the system when you bring it near the system. In order not to use the automatic Bluetooth connection, turn off the Bluetooth function on the device.

 You can add up to six Bluetooth devices.

## Connecting a registered device

1. On the Home screen, press Setup > Device Connections > Device Connections.
2. Press the icons to connect.

-  You can add one Bluetooth hands-free kit or up to two Bluetooth audio devices.
-  If your device cannot be connected, confirm that the Bluetooth option is enabled on the device.
-  When the connection is terminated abnormally due to being out of range or device failures, the connection is automatically restored as soon as the device returns to the connection range or normal state.

### Bluetooth connection screen



aIt displays the list of registered Bluetooth devices. When you select Bluetooth device list, it connects or disconnects the device.

bWhen Bluetooth hands-free is connected, icon is activated.

cWhen Bluetooth audio is connected, icon is activated.

dYou can automatically connect Bluetooth device by priority at startup. You can change the set priority by long pressing the desired Bluetooth device.

eAdd a new device to the system.

fDelete a registered device from the system.

gDisplays the list of menus.



- Display Off: Turns off the screen. To switch the screen back on, press the screen or briefly press the power button.
- Add New Device: Add a new device to the system.
- Delete Device(s): Delete a registered device from the system.
- Search Settings: Search for a setting item by entering a keyword.

## Disconnecting a registered device

1. On the Home screen, press Setup > Device Connections > Device Connections.
2. Press the connected icons.







## Deleting a registered device

Delete a Bluetooth device that will no longer be used. If six devices are already registered and you want to add a new device, delete one of the existing devices.

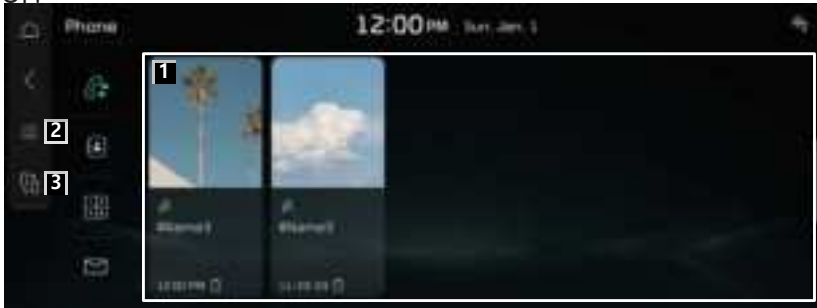
1. On the Home screen, press Setup > Device Connections > Device Connections > Delete.
2. Select a device to delete and press Delete.  
 To delete all registered devices, press Mark All > Delete.
3. Press Yes.  
 If you delete a registered device, all related contacts, call logs, and text messages are removed from the system.

# Dialing from the recent call list

Make calls directly from call history of your mobile device.

1. Perform any of the following methods.
  - On the Home screen, press Phone.
  - On the steering wheel, press the Call button.
2. Press  at the bottom tab of the Phone screen.
3. Press a contact from the list.
  -  Use the move button on the steering wheel to scroll through the list of recent calls. Press the desired contact to select it.
  -  Press  on the screen or press the [SEARCH] button on the control panel, enter a search term, and then select the item to run.
  -  You cannot download call records if the download is prohibited by the phone. Some phone models may require approval for a download. If a download is unsuccessful, check the phone screen or settings.
  -  When call records are newly downloaded, the previous records are removed.

## Recent calls list screen



aView a list of recent calls downloaded to the system from the device.

bDisplays the list of menus.

- Display Off: Turns off the screen. To switch the screen back on, press the screen or briefly press the power button.
- Download: Download the list of recent calls from the connected mobile device.
- Privacy Mode: Activate the Privacy Mode to protect personal data. The data downloaded from the mobile phone stays hidden while this mode is on.
- Change Device: Find and connect other Bluetooth devices.
- Device Connection Settings: Change the Bluetooth settings.

cFind and connect other Bluetooth devices.

# Dialing from the contacts



The contacts saved on your mobile phone are downloaded. You can make a call by selecting a contact from the system screen.


1. Perform any of the following methods.


- On the Home screen, press Phone.
- On the steering wheel, press the Call button.


2. Press  at the bottom tab of the Phone screen.


3. Press a contact from the list.

 Press  on the screen or press the [SEARCH] button on the control panel, enter a search term, and then select the item to run.


 Contacts from both the mobile device and its SIM card downloaded at the same time. The system may not be able to download SIM card contacts from all phone models.


 When speed dial numbers are assigned to contacts on the phone, press and hold a speed dial number on the dial pad to make a call easily. Some mobile phone models may not support the speed dial function.

 You cannot download contacts if the download is prohibited by the phone. Some phone models may require approval for a download. If a download is unsuccessful, check the phone screen or settings.

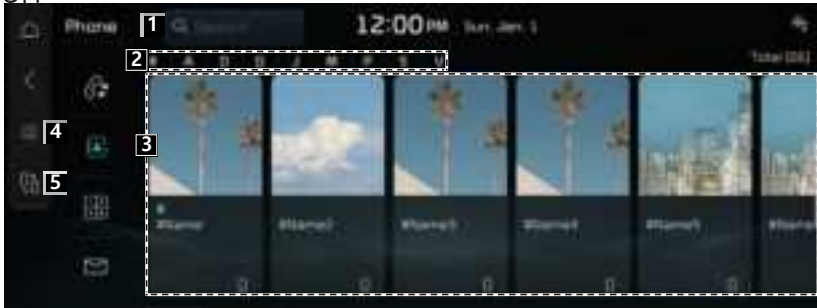
 Depending on the phone model or operation status, downloading may take longer than usual.

 When a new contacts list is downloaded, the previous records are removed.

 The downloaded contacts cannot be edited or deleted from the system.

 When another mobile phone is connected, the screen does not display the contacts downloaded from the previous phone, but they are kept in the system until the phone is deleted from the list.

## Contacts list screen



aSearch contacts by entering a name or a phone number.

bUse the index to quickly find the contact you are looking for.

cView a list of contacts downloaded to the system from the device.

dDisplays the list of menus.

- Display Off: Turns off the screen. To switch the screen back on, press the screen or briefly press the power button.
- Download: Download the list of recent calls from the connected mobile device.
- Search Contacts: Search contacts by entering a name or a phone number.
- Privacy Mode: Activate privacy mode to protect personal data. The data downloaded from the mobile phone stays hidden while this mode is on.
- Change Device: Find and connect other Bluetooth devices.
- Device Connection Settings: Change the Bluetooth settings.

eFind and connect other Bluetooth devices.



# Dialing using the dial pad

Enter a phone number using the dialpad to make a call.




## Warning

Do not manually dial a call while driving. Distraction by the use of a mobile phone may cause you not to recognize traffic flow around and not to with unexpected situations. As a result, a traffic accident may occur.

1. Perform any of the following methods.

- On the Home screen, press Phone.
- On the steering wheel, press the Call button.


2. Press  at the bottom tab of the Phone screen.

3. Use the keypad to enter a phone number, and  to make a call.



When contacts are saved on the system, search for the desired contact by entering the initial letters or the phone number using the dial pad.



Press  on the screen or press the [SEARCH] button on the control panel, enter a search term, and then select the item to run.

## Dial pad screen



aMoves to recent calls screen.

bMoves to contacts screen.

cMoves to Bluetooth phone dial pad screen.

dMoves to message screen.

eMoves to the emergency calls screen.

fOpens phone number entrance window.

gEnter the phone number to call. The entered number is displayed on the number entrance window.

hDeletes the entered phone no.

iMoves to device connection setting screen.

jIf there is a registered phone no., the call is connected. If there is no registered phone no., the most recent call number is entered.

kDisplays the list of menus.

- Display Off: Turns off the screen. To switch the screen back on, press the screen or briefly press the power button.
- Privacy Mode: Activate privacy mode to protect personal data. The data downloaded from the mobile phone stays hidden while this mode is on.
- Change Device: Find and connect other Bluetooth devices.
- Device Connection Settings: Change the Bluetooth settings.

lFind and connect other Bluetooth devices.

 The displayed name may differ depending on the vehicle model and specifications.

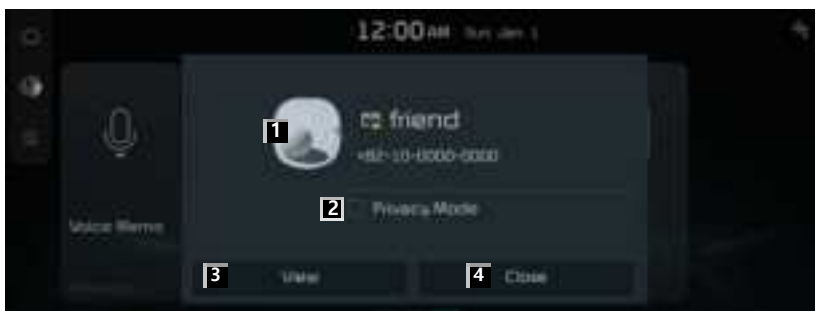
# Checking new messages over Bluetooth

The screen display information about the sender or their phone number when a mobile phone connected via Bluetooth receives a text message. You can also send the brief reply message registered in the system.

 This function may not be supported in some message Apps.

## Checking new messages

When a message is received, the new message notification window appears. To check the message, press View.




aShows the caller details.


bActivate the Privacy Mode to protect personal data. The data downloaded from the mobile phone stays hidden while this mode is on.

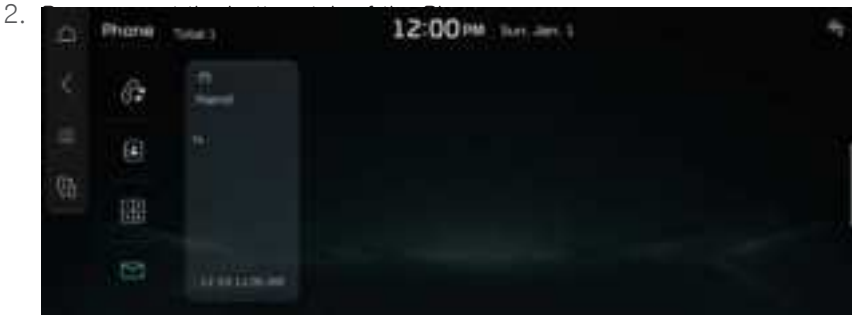
cDisplays the message contents.

dCloses the notification window.



 The message notification window does not appear if Privacy Mode is enabled or the message notification is turned off.

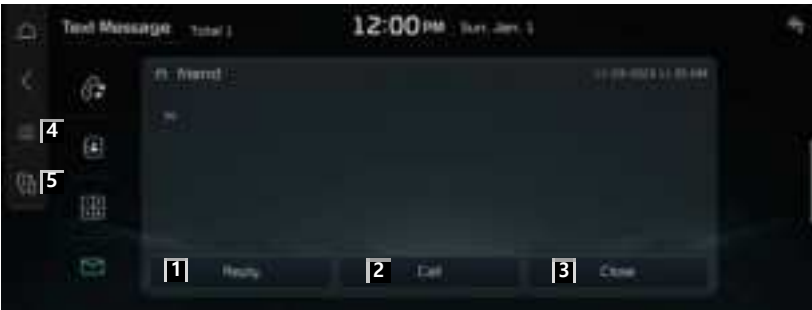
# Checking new messages from the list

1. Perform any of the following methods.
  - On the Home screen, press Phone.
  - On  steering wheel, press the Call button.



3. Select a message from the list.

 Press  on the screen or press the [SEARCH] button on the control panel, enter a search term, and then select the item to run.



aUsed to select a message registered in the system for sending a brief reply message.

bUsed to make a call to a message sender.




cCloses the message pop-up.

dDisplays the list of menus.

- Display Off: Turns off the screen. To switch the screen back on, press the screen or briefly press the power button.
- Privacy Mode: Activate privacy mode to protect personal data. The data downloaded from the mobile phone stays hidden while this mode is on.
- Change Device: Find and connect other Bluetooth devices.
- Device Connection Settings: Change the Bluetooth settings.

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## eFind and connect other Bluetooth devices.

-  The auto-reply messaging may not be available depending on the smartphone model.
-  To edit or delete a message, park the vehicle at a safe place and access the messaging function on your smartphone. You cannot edit or delete a message from the system.
-  When an iPhone is connected to the system, there are some restrictions when receiving message as follows:
  - Only the sender name appears when the sender information is saved.
  - If the sender information is not saved, only the phone number appears.
  - You cannot use the auto-reply message function.
  - When the incoming message notification or lock-screen view option is off, messages cannot be received.

# Answering a call


When a mobile phone is connected via Bluetooth, the screen displays the sender's name or phone number when a call is coming in.



aShows the caller details.

bActivate the Privacy Mode to protect personal data. The data downloaded from the mobile phone stays hidden while this mode is on.

cTo answer the call, press Accept on the screen or press the Call button on the steering wheel.

 When a mobile phone is connected to the system, the vehicle's speaker may be used to output a call tone even after you leave the vehicle. To disconnect the call, disable the Bluetooth connection on the system or turn off the Bluetooth function on the mobile phone.

dTo reject a call, press Reject on the screen or press and hold the Call button on the steering wheel.

eTo reject a call and send a text message, press Messages. Choose the message to send, and press Send.


 The call-reject or auto reply message may not be supported in some phone models.

 Incoming calls are automatically put on hold if Privacy Mode is enabled.



## Warning


- Park the vehicle at a safe place before connecting your mobile phone. It may take the driver's attention off the road and cause a traffic accident, which can result in damages, injuries, and/or death.
- Do not talk on your mobile device while driving. Using a mobile phone may be distracting when you should be focused on traffic flow around, which may prevent you from responding quickly to unexpected events. As a result, a traffic accident may occur. If necessary, use the Bluetooth hands-free function and make the call as short as possible.

 When a mobile phone is connected to the system, the vehicle's speaker may be used to output a call tone even after you leave the vehicle. To disconnect the call, disable the Bluetooth connection on the system or turn off the Bluetooth function on the mobile phone.

## Rejecting a call

Perform any of the following methods.

- Press Reject on the screen.
- On the steering wheel, press and hold the Call button.

 To reject by sending a call-reject message, press Message. From the list, select the call-reject message and press Send.

 The call-reject or auto reply message may not be supported in some phone models.

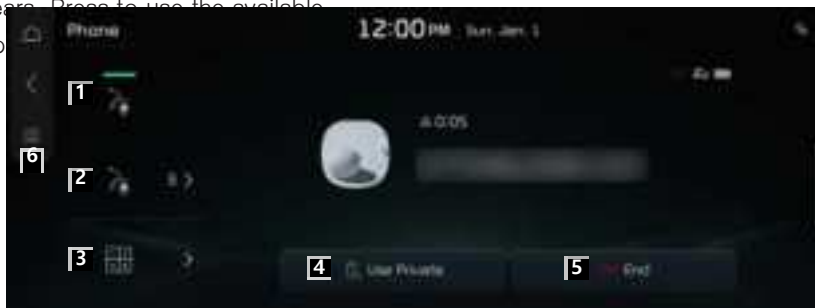
## Putting a call on hold

To close the incoming call notification and put the call on hold for a moment, press Hold.

 To return to the incoming call window, press the Call button on the steering wheel.

## Using functions during a call

During a call, the following screen appears. Press to use the available options.



aUsed to turn on or off the microphone mute function.

bAdjust the microphone volume.


cDisplays or hides the dial pad screen.


dSwitch the call to the mobile phone. This option may not be available in some phone models.

eEnd the current call.

fDisplays the list of menus.

- Display Off: Turns off the screen. To switch the screen back on, press the screen or briefly press the power button.
- Privacy Mode: Activate privacy mode to protect personal data. The data downloaded from the mobile phone stays hidden while this mode is on.

 When the caller is in the contact list, the caller's name and phone number are displayed. If the sender information is not saved, only the phone number appears.

 During a phone call via Bluetooth, it is not possible to switch to another screen, such as the Media mode screen.

 Depending on the phone model, the call volume of the other party may differ.

 Depending on the phone model, the telephone number may not appear.



## Switching to another call

Receive another phone call during a call. The original call is put on hold. To switch between two calls, use either option:

- Press Switch.
- Press one of the connected phone numbers.

 This option may not be available in some phone models.

# Phone Projection










# Using the phone projection function

Using Android Auto or Apple CarPlay, you can run and control Apps on your Android smartphone or iPhone by using the wide screen and user-friendly interface of the system.



## Caution

Using an approved USB cable provided by your smartphone manufacturer is recommended. Using unapproved USB cables may cause a phone projection error or a system malfunction.

-  By pressing the [MODE] button on the steering wheel, you can run the media App on your smartphone as well as the Media mode of the system.
-  To specify which functions to run when the [MODE] button on the steering wheel is pressed, press and hold the [MODE] button on the steering wheel to display the settings screen.
-  To use the functions on your smartphone with the minimized system settings, update the smartphone OS to the latest version.
-  The recognition time may differ depending on the device type, firmware, and OS version.
-  Charges may apply for any mobile data used while phone projection is running.
-  Some functions may not work properly depending on the network signal strength.
-  Avoid interaction with the smartphone while using phone projection.

## Using Android Auto wirelessly


When an Android smartphone is connected to the vehicle with Android Auto, you can run and control Apps on the phone through the widescreen using the user-friendly interface. Confirm that Wi-Fi and Bluetooth are enabled on the smartphone to connect.

- ✎ For supported countries, device types and models, refer to the Android Auto website at <https://www.android.com/auto>.
  - ✎ If Android Auto is not installed, install the Android Auto App from the Google Play Store.
  - ✎ Features and icons available in Android Auto are subject to change according to the policy of Google Corporation.
  - ✎ You can add up to six Android smartphones.
1. On the Home screen, press Setup > Device Connections > Device Connections > Add.
  2. Turn on Wi-Fi and Bluetooth on the smartphone to connect, and select the vehicle system from the list of searched Bluetooth devices.
    - ✎ The Bluetooth device name of the system can be found in the Add New Device window that pops up.
  3. Confirm that the verification code on the smartphone screen matches the code on the system screen, and approve the connection from the smartphone.
  4. When you have connected to the Android Auto for the first time, check the pop-up window displayed on the system screen and press OK.
  5. Agree to Enable Android Auto from the smartphone.
  6. Press Android Auto from the Home screen, and use a variety of features available on your smartphone.
    - To run the phone, music, navigation or other features, press the corresponding icon from the system screen.
    - To use the Google voice recognition, press the Voice Recognition button on the steering wheel.
  - ✎ When the smartphone is connected successfully, Phone Projection switches to Android Auto on the Home screen. If Android Auto does not appear, try connection again.
  - ✎ If connection is not stable, from the Android Auto Option screen, press Generate New Wi-Fi Passkey to create a Wi-Fi connection key again, and try connection again.
  - ✎ You cannot use the following function when Android Auto is in use.
    - Apple CarPlay
    - Searches using the control panel, steering wheel remote control, or rear seat remote control (if equipped)
  - ✎ When you are using your smartphone's navigation via phone projection, sounds from both the system's media function and the navigation will be played through your vehicle's speakers. If you adjust the volume when both sounds are playing, the navigation App sound volume is adjusted first.


- 
7. To close Android Auto, disconnect the wireless connection from the device connection page of the system screen.

## Using Apple CarPlay with a wirelessly

After you connect an iPhone to the vehicle with Apple CarPlay, you can run and control Apps on the iPhone through the system screen. Confirm that Wi-Fi and Bluetooth are enabled on the smartphone to connect


 For supported device types and models, refer to the Apple CarPlay website at <https://www.apple.com/ios/carplay>.

 If you do not see options for Apple CarPlay or Siri, update to the latest iOS version.

 Features and icons available in Apple CarPlay are subject to change according to the policy of Apple Corporation.


 You can register up to six iPhones.


1. On the Home screen, press Setup > Device Connections > Device Connections > Add.
2. Turn on Wi-Fi and Bluetooth on the iPhone to connect, and select the vehicle system from the list of searched Bluetooth devices.

 The Bluetooth device name of the system can be found in the Add New Device window that pops up.


3. Confirm that the verification code on the iPhone screen matches the code on the system screen, and approve the connection from the iPhone.
4. When you have connected to the Apple CarPlay for the first time, check the pop-up window displayed on the system screen and press OK.
5. Agree to Enable Apple CarPlay from the iPhone.
6. Press Apple CarPlay from the Home screen, and use a variety of features available on your iPhone.

- To run the phone, music, navigation or other features, press the corresponding icon from the system screen.
- To run the Siri voice recognition feature, press the Voice Recognition button on the steering wheel.

 When the iPhone is connected successfully, Phone Projection switches to Apple CarPlay on the Home screen. If Apple CarPlay does not appear, try connection again.

 You cannot use the following functions when Apple CarPlay is in use.





- Bluetooth phone
- Android Auto
- Searches using the control panel, steering wheel remote control, or rear seat remote control (if equipped)

 When you are using your smartphone's navigation via phone projection, sounds from both the system's media function and the navigation will be played through your vehicle's speakers. If you adjust the volume when both sounds are playing, the navigation App sound volume is adjusted first.

7. To close Apple CarPlay, disconnect the wireless connection from the device connection page of the system screen.

## Using Android Auto with a USB cable








When an Android smartphone is connected to the vehicle with Android Auto, you can run and control Apps on the phone through the widescreen using the user-friendly interface.

-  For supported countries, device types and models, refer to the Android Auto website at <https://www.android.com/auto>.
-  If Android Auto is not installed, install the Android Auto App from the Google Play Store.
-  Features and icons available in Android Auto are subject to change according to the policy of Google Corporation.
-  You can add up to six Android smartphones.



### Caution

Using an approved USB cable provided by your smartphone manufacturer is recommended. Using unapproved USB cables may cause a phone projection error or a system malfunction.

-  By pressing the [MODE] button on the steering wheel, you can run the media App on your smartphone as well as the Media mode of the system.
-  To specify which functions to run when the [MODE] button on the steering wheel is pressed, press and hold the [MODE] button on the steering wheel to display the settings screen.
-  To use the functions on your smartphone with the minimized system settings, update the smartphone OS to the latest version.
-  The recognition time may differ depending on the device type, firmware, and OS version.
-  Charges may apply for any mobile data used while phone projection is running.
-  Some functions may not work properly depending on the network signal strength.
-  Avoid interacting with the smartphone while using phone projection.




1. Connect a smartphone to the USB port on the vehicle by using the provided USB cable.



### Caution

Do not repeatedly connect and remove the USB connector within a short time. It may cause device errors or system failures.

2. When you have connected to the Android Auto for the first time, check the pop-up window displayed on the system screen and press OK.
3. Agree to Enable Android Auto from the smartphone.
4. Press Android Auto from the Home screen, and use a variety of features available on your smartphone.





- To run the phone, music, navigation or other features, press the corresponding icon from the system screen.
- To use the Google voice recognition, press the Voice Recognition button on the steering wheel.
-  When the smartphone is connected successfully, Phone Projection switches to Android Auto on the Home screen. If Android Auto does not appear, try connection again.
-  You cannot use the following function when Android Auto is in use.
  - USB mode
  - Apple CarPlay
  - Searches using the control panel, steering wheel remote control, or rear seat remote control (if equipped)
-  When you are using your smartphone's navigation via phone projection, sounds from both the system's media function and the navigation will be played through your vehicle's speakers. If you adjust the volume when both sounds are playing, the navigation App sound volume is adjusted first.

5. To close Android Auto, remove the USB cable from the port.



## Using Apple CarPlay with a USB cable








After you connect an iPhone to the vehicle with Apple CarPlay, you can run and control Apps on the iPhone through the system screen.

-  For supported device types and models, refer to the Apple CarPlay website at <https://www.apple.com/ios/carplay>.
-  If you do not see options for Apple CarPlay or Siri, update to the latest iOS version.
-  Features and icons available in Apple CarPlay are subject to change according to the policy of Apple Corporation.
-  You can register up to six iPhones.



### Caution

Using an approved USB cable provided by your smartphone manufacturer is recommended. Using unapproved USB cables may cause a phone projection error or a system malfunction.

-  By pressing the [MODE] button on the steering wheel, you can run the media App on your smartphone as well as the Media mode of the system.
-  To specify which functions to run when the [MODE] button on the steering wheel is pressed, press and hold the [MODE] button on the steering wheel to display the settings screen.
-  To use the functions on your smartphone with the minimized system settings, update the smartphone OS to the latest version.
-  The recognition time may differ depending on the device type, firmware, and OS version.
-  Charges may apply for any mobile data used while phone projection is running.
-  Some functions may not work properly depending on the network signal strength.
-  Avoid interacting with the smartphone while using phone projection.

1. Connect a iPhone to the USB port on the vehicle by using the provided USB cable.




### Caution

Do not repeatedly connect and remove the USB connector within a short time. It may cause device errors or system failures.

2. When you have connected to the Apple CarPlay for the first time, check the pop-up window displayed on the system screen and press OK.
3. Agree to Enable Apple CarPlay from the iPhone.
4. Press Apple CarPlay from the Home screen, and use a variety of features available on your iPhone.
  - To run the phone, music, navigation or other features, press the corresponding icon

from the system screen.


- To run the Siri voice recognition feature, press the Voice Recognition button on the steering wheel.

 When the iPhone is connected successfully, Phone Projection switches to Apple CarPlay

on the Home screen. If Apple CarPlay does not appear, try connection again.

 You cannot use the following functions when Apple CarPlay is in use.

- Bluetooth phone
- USB mode
- Android Auto
- Searches using the control panel, steering wheel remote control, or rear seat remote control (if equipped)

 When you are using your smartphone's navigation via phone projection, sounds from both the system's media function and the navigation will be played through your vehicle's speakers. If you adjust the volume when both sounds are playing, the navigation App sound volume is adjusted first.

5. To close Apple CarPlay, remove the USB cable from the port.

# Voice Memo



# Running the Voice Memo

You can use the microphone on the vehicle to record and play voice memos. On the Home screen, press Voice Memo.



aStarts or pause the recording.

bStops recording.

cDisplays the list of recorded voice memos.

dDeletes a voice memo.

eDisplays the list of menus.

- Display Off: Turns off the screen. To switch the screen back on, press the screen or briefly press the power button.
- Delete: Can delete a voice memo.
- Save to USB Device: Can record a voice memo to a USB storage device. Check that the USB device is compatible.
- Storage Information: Can see the file size of recorded voice memos.

## Recording a voice memo

1. On the Voice memo screen, press .

Recording of a voice memo starts.

2. When recording is finished, press .


The recording stops and the voice memo is automatically saved.

 The adjust the recording sound volume during voice recording, drag the control bar.

 The screen may differ depending on the vehicle model and specifications. To temporarily stop recording, press .

 When recording starts, the other audio functions are muted or playback is paused.

 When you make or receive a call while recording, the recording is paused.

 When you make an emergency call or you are connected to an emergency call after airbag deployment, the recording stops and the recorded voice memo is automatically saved.

# Quiet Mode



# Using the Quiet Mode

Turn off the rear-seat speakers to prevent rear-seat occupants from being disturbed while sleeping.

1. On the Home screen, press Quiet Mode.

The rear-seat speakers turn off, and the volumes of the front-seat speakers are adjusted appropriately. Press again to switch off.



# Parking assistanc





## Viewing the parking assistance screen

The system screen displays the surrounding view of the vehicle, using the feed from the camera installed on the vehicle. Referring to this view and the displayed parking assist lines, you can park your vehicle easily and safely.

 The displayed screen may differ depending on the vehicle model.



### Caution

Objects on the screen may not be as close or far as they appear. Be sure to check the rear, left and right sides with your own eyes for safety.

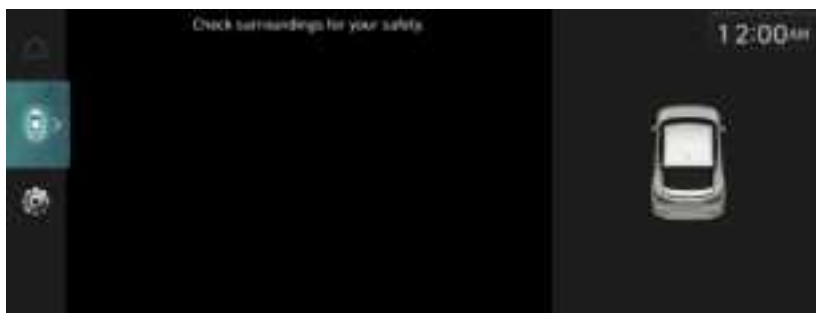
# Rear view Monitor


In this instrument, for the safety of the user, the rear view monitor that can secure the rear view during the backward driving is connected.

After the vehicle is started, if the transmission lever is put to R, the rear view monitor is automatically turned on and the rear view monitor starts the operation.

## Turning on the Rear View Monitor

When the vehicle is started, put the transmission lever position to R.




 The rear view monitor has an optical lens to secure wide view, so there is a little difference between the distance shown on the screen and the actual one. For safety, make sure to check the rear and left/right view by yourself.

## About Rear view while driving

It is a device that can see the rear of the vehicle while driving through the rear camera mounted on the vehicle.

### Operating the Rear view while driving

After turning on the engine, move the lever of the transmission to the N or D position, press Parking/View button to execute the driving support view.

 When the rear view while driving is activated, the rear view while driving is maintained regardless of the vehicle speed. Press the [HOME] button to turn it off.



# Surround View Monitor (if equipped)

The multiple wide-angle cameras equipped in the vehicle allow you to perceive all conditions around the vehicle.

Icon	Description
	<p>Displays the front view.</p> <ul style="list-style-type: none"><li> : Front top view</li><li> : Front view</li><li> : Front side view</li><li> : Front wide view</li></ul>
	<p>Displays the rear view.</p> <ul style="list-style-type: none"><li> : Rear top view</li><li> : Rear view</li><li> : Rear side view</li><li> : Rear wide view</li></ul>
	<p>Displays the 3D view.</p>
	<p>Adjust the brightness and contrast of camera image. To select the information to display on the screen, press  &gt; Display Contents.</p>

## Operating Rear view while driving

After starting the vehicle, if the speed of vehicle is more 10 km/h and then press Parking/View button, Rear view while driving starts.



# Configuring the camera

Configure the screen settings for the parking assist view and set the information to display in the view.



## Display Contents

Set the information to display on the view screen.

### Parking Distance Warning

Parking distance warning is displayed in top view video feeds. (Surround view monitor– equipped vehicles only)

### Top View Parking Guide Lines

Parking guide lines are displayed in top view video feeds. (Surround view monitor– equipped vehicles only)

### Rear View Parking Guide Lines

Displays parking grid lines on the camera's rear view display.

# Settings





# Configuring system settings



✎ Press **[Q]** on the screen or press the [SEARCH] button on the control panel, enter a search term, and then select the item to run.



# Configuring the sound settings

Change the sound settings such as speaker volume and sound effects.

-  Available settings may differ depending on the vehicle model and specifications.
-  Some functions may not be available depending on the infotainment system and amplifier specifications on the vehicle.

1. On the Home screen, Press Setup > Sound. The sound settings screen appears.

2. Configure the settings as required.

-  Press  on the screen or press the [SEARCH] button on the control panel, enter a search term, and then select the item to run.

# Premium Sound

Selects the setting for the Advanced Sound System.



## Speed dependent Volume Control

Automatically adjusts Audio volume based on vehicle speed.

## Start-up Maximum Volume Limit

Upon starting the vehicle, lowers radio and media volumes if they are higher than factory-set maximum start-up levels.

## Arkamys Sound Mood (if equipped)

You can enjoy live sound with rich stereophonic sound.

## SoundTrue (if equipped)

Delivers improved soundstage and dynamics for compressed file formats.

## Dynamic Speed Compensation (if equipped)

Monitors the vehicle speed and automatically adjusts aspects of the music to ensure a consistent listening experience.



# Tone

Adjust the sound by adjusting the strength (output level) for each audio band: Bass, Midrange, and Treble.



 To reset all audio settings to the default values, press Centre.

# Position

Touch a point on the vehicle diagram where you would like to focus the sound. Use the arrows to fine-tune the position.



## Guidance

Sets the notification/alert sounds and the voice type.



### Guidance Volumes

Adjust the volume for each system.

### Charging Voice Prompts

Provides voice prompts about charging status when the vehicle starts charging.

### Use Headrest Speaker to Play Guidance Prompts

Plays audio for navigation/driving/parking guidance through the headrest speaker.

### Navigation During Calls

Play audio Navigation Guidance during phone calls.

### Navigation Volume Priority

Media volume will be lowered during Navigation guidance. This may not apply to media provided from Phone Projection apps.

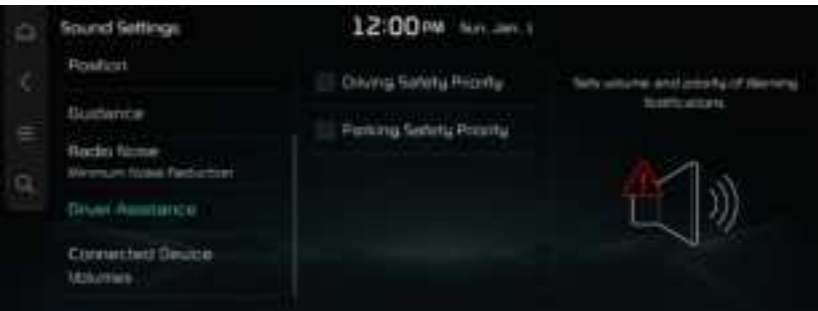
# Radio Noise

Sets the noise control method for the Radio.



# Driver Assistance

Sets the warning method(s) for the Driver Assistance systems.



## Warning Volume

Sets the volume of the warning sound.

## Haptic Warning (if equipped)

Sets the intensity of the steering wheel vibration warning.

## Lane Safety Audible Warning Off (if equipped)

Turns off the Lane Safety Audible Warning, even when both warning volume and haptic warning are on.

## Driving Safety Priority

Lowers all other audio volumes when the Driving Safety system sounds a warning.

## Parking Safety Priority

Lowers all other audio volumes when the Parking Assist view is active.


## Connected Device Volumes (if equipped)

Sets the volume for each function of the connected device.




### Android Auto

Adjusts the volumes of the Android Auto features.

 To initialize all system sound settings for phone projection, press Reset.


### Apple CarPlay

Adjusts the volumes of the Apple CarPlay features.

 To initialize all system sound settings for phone projection, press Reset.



# Configuring the device connections settings

Manage Bluetooth devices or configure their operation settings. You can also activate the phone projection so that you can control the smartphone App from the system screen after connecting the smartphone to the system.

 Available settings may differ depending on the vehicle model and specifications.

1. On the Home screen, Press Setup > Device Connections. The device connection settings screen appears.


2. Configure the settings required.

 Press  on the screen or press the [SEARCH] button on the control panel, enter a search term, and then select the item to run.

# Device Connections

Pairs a new Bluetooth device or lists paired devices available for connection




 You can add one Bluetooth hands-free kit or up to two Bluetooth audio devices.

# Message Notification

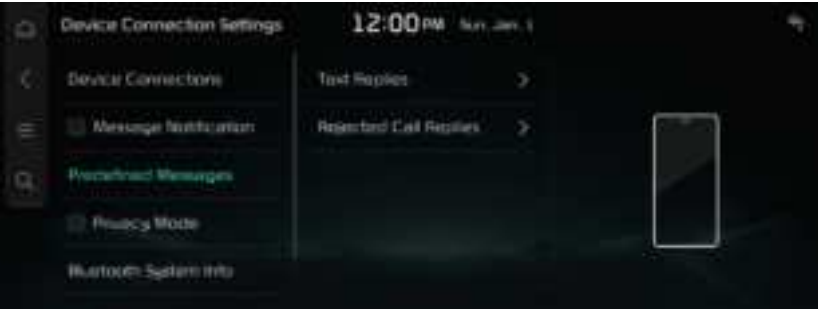
Select to show notification pop-ups for received messages




 Depending on the model of the connected Bluetooth device, this function may not be supported.

# Predefined Messages

Select and edit the text messages to be sent when replying to text messages or rejecting calls.



 Depending on the model of the connected Bluetooth device, [Predefined Messages] function may not be supported.

# Privacy Mode

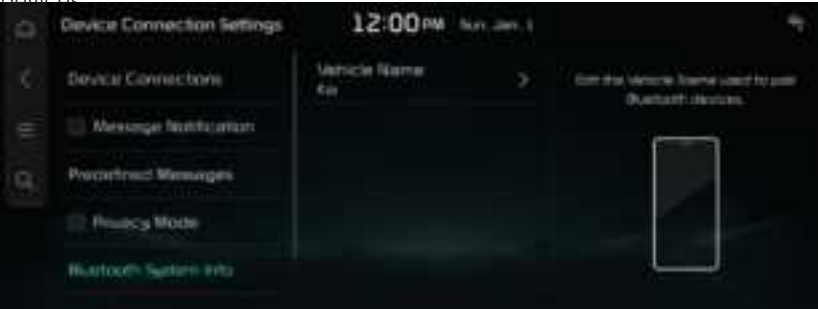
Activates Privacy Mode. Info displayed in features may be restricted.



 Incoming calls are automatically put on hold if Privacy Mode is enabled.

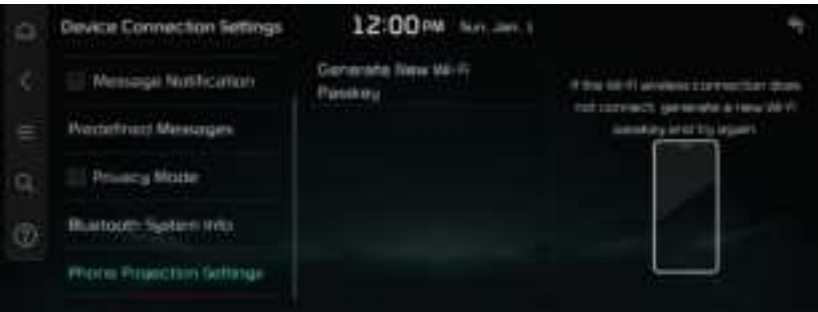
# Bluetooth System Info

Edit the Vehicle Name used to pair Bluetooth devices.



# Phone Projection Settings



If the Wi-Fi wireless connection does not connect, generate a new Wi-Fi passkey and try again.








# Configuring the user profile settings

You can additionally set profiles for each driver after First Run Setup.

-  Available settings may differ depending on the vehicle model and specifications.
-  For details on how to create a user profile, refer to the following: see "Using the First Run Setup."

1. On the Home screen, Press Setup > User Profile.
2. Press the user to change the profile.

The user profile settings screen appears.

-  Press  on the screen or press the [SEARCH] button on the control panel, enter a search term, and then select the item to run.
-  When you are logged in as a guest, you cannot set a profile. To set a different profile, select another user.

# Profile Settings

You can specify user details and vehicle operation settings for a registered user.



## Name

You can change the profile name that will be applied on the system.

## Password

You can set the Password when selecting the profile which is the connected services account.

## Profile Image

You can select the profile image that will be applied on the system among 12 images.

## Delete the Driver 1 Profile


Delete all stored data and profile settings, and resets the system.



# Change User

Changes to a different profile. If you change to a different profile, the booting process will start and the safety warning page is displayed.

# Configuring the Screen Theme/Layout settings

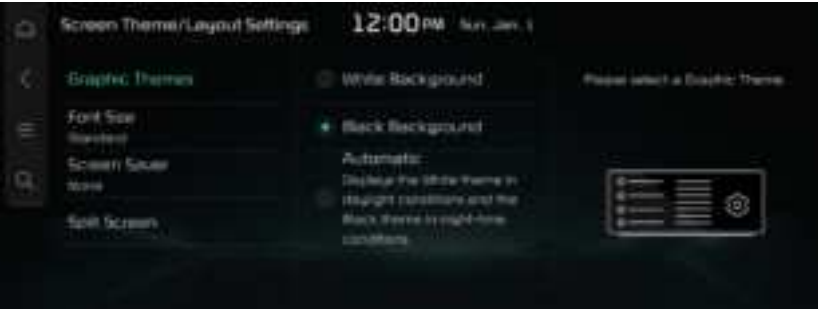
Configure settings for the Screen Theme and Layout screens.

 Available settings may differ depending on the vehicle model and specifications.

1. On the Home screen, Press Setup > Screen Theme/Layout. The theme and layout settings screen appears.
  2. Configure the settings as required.
-  Press  on the screen or press the [SEARCH] button on the control panel, enter a search term, and then select the item to run.

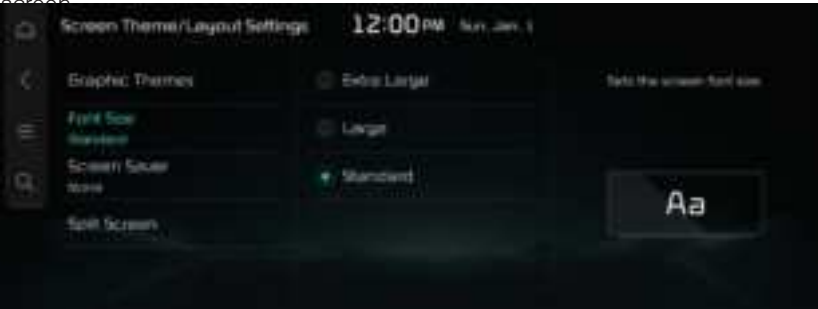
# Graphic Themes

You can set a graphic theme.



# Font Size

You can set the font size on the



# Screen Saver

It is the function to set to display image set by user in case of system power off.




# Split Screen

This menu is used to set the item to be displayed on the split screen on the right side of the screen.



# Configuring the display settings



Change the system display settings such as display brightness and video aspect ratio.

 Available settings may differ depending on the vehicle model and specifications.

1. On the Home screen, Press Setup >

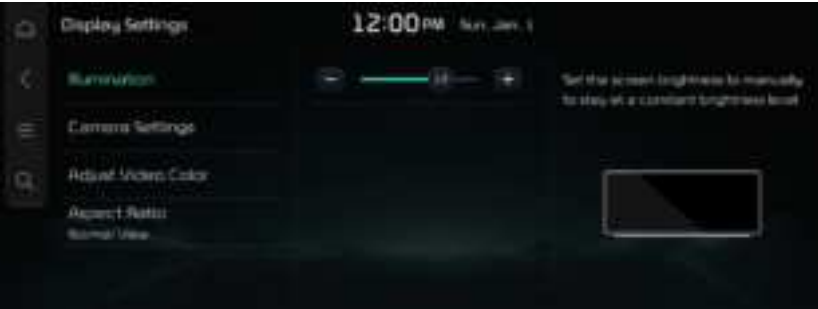
Display. The display settings screen appears.

2. Configure the settings required.

 Press  on the screen or press the [SEARCH] button on the control panel, enter a search term, and then select the item to run.

# Illumination

Set the screen brightness to adjust automatically, or manually set it to stay at a constant brightness level.



## Adjust Brightness Automatically

Automatically select Day or Night screen brightness according to the ambient lighting. The brightness for the Day and Night modes can be preset.

# Camera Settings

Configure the screen settings for the parking assist view and set the information to display in the view.



## Adjust Video Color

During video playing, you can set brightness/contrast/saturation.

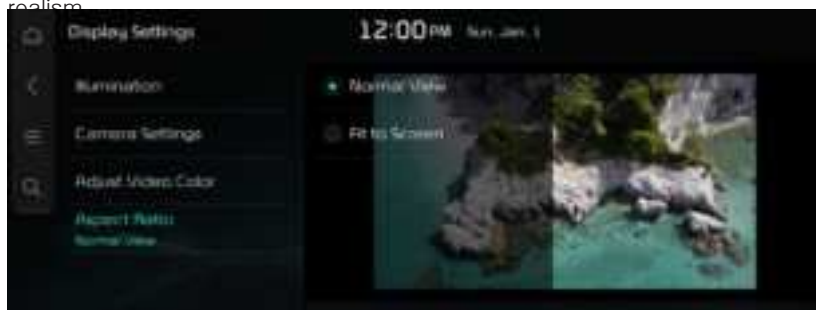


 This function is enabled only when playing video.

 To initialize all display settings, press Centre.

## Aspect Ratio

You can select the desired size video screen to enjoy video with sense of realism.



### Normal View

Black strip appears at the top/bottom of the screen, and it is set to 4:3 ratio.

### Fit to Screen

It sets video to entire screen.



# Configuring the button settings



Configure features to activate when pressing buttons on the control panel or steering wheel.

 Available settings may differ depending on the vehicle model and specifications.

1. On the Home screen, Press Setup >

Button. The button settings screen appears.

2. Configure the settings required.

 Press  on the screen or press the [SEARCH] button on the control panel, enter a search term, and then select the item to run.

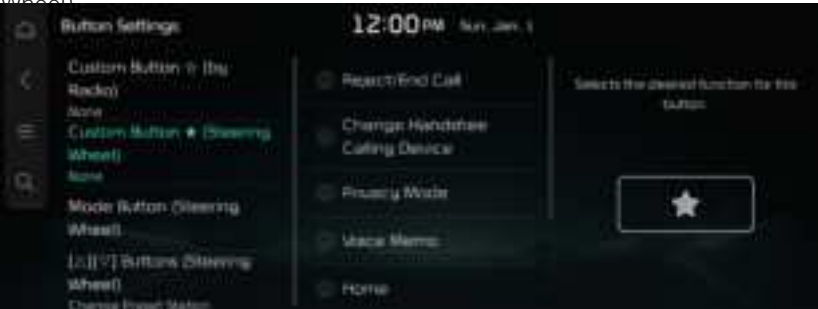
## Custom Button ☆

Please select a function for the Custom button



## Custom Button ★ (Steering Wheel)

Please select a function for the Custom button (Steering Wheel)



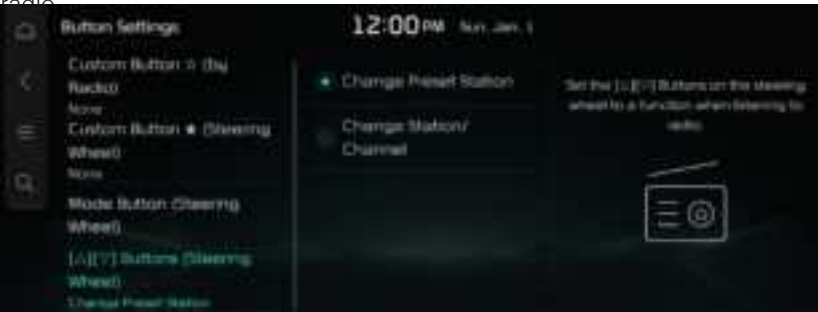
# MODE Button (Steering wheel)

Selected media can be accessed using the steering wheel MODE button. Only active/ available media can be accessed.



# [△]/[▽] Buttons (Steering Wheel)

Set the [△]/[▽] buttons on the steering wheel to a function when listening to radio.



# Configuring the Wi-Fi settings



This menu describes Wi-Fi settings for using the connected service.

 Available settings may differ depending on the vehicle model and specifications.

1. On the Home screen, Press Setup > Wi-

Fi. The Wi-Fi settings screen appears.

2. Configure the settings required.

 Press  on the screen or press the [SEARCH] button on the control panel, enter a search term, and then select the item to run.

# Wi-Fi

This menu allows you to turn Wi-Fi on or off.



# Wi-Fi Network List

This menu shows the Wi-Fi Network list.




# Service Information

This menu shows the MAC address.



# Configuring the general system settings



Configure the date, time, language, and other settings. You can also check the system information.

 Available settings may differ depending on the vehicle model and specifications.

1. On the Home screen, Press Setup >

General. The general settings screen appears.

2. Configure the settings required.

 Press  on the screen or press the [SEARCH] button on the control panel, enter a search term, and then select the item to run.

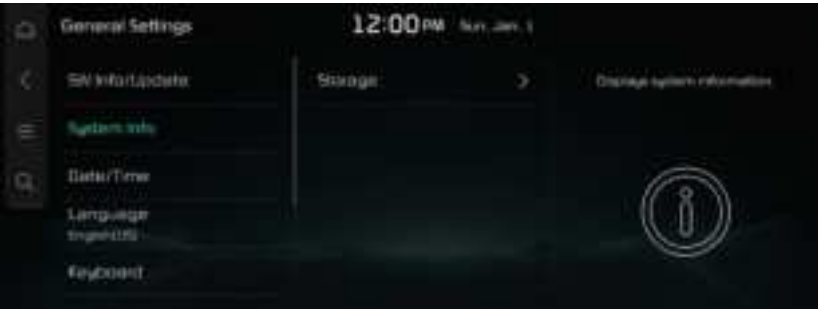
# SW Info/Update

Displays the system software and update information.



# System Info

Displays system information.



# Storage

Displays the system storage information.

# What's New

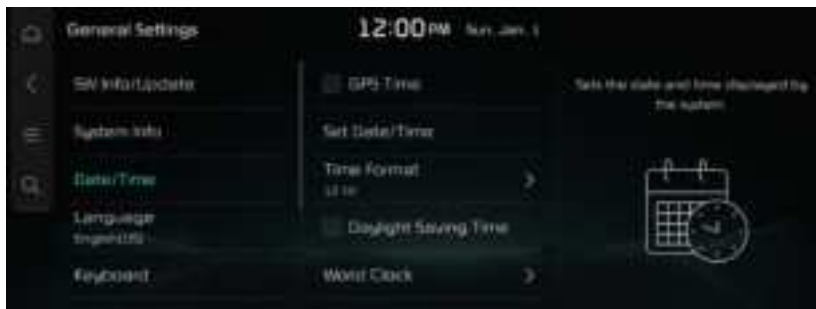
Shows the latest system update information.

# Modem Information

Shows the modem information for use of the Bluelink service.

## Date/Time

Sets the date and time for the system.



### GPS Time

After receiving the time from GPS, it sets the system date and time automatically.

### Set Date/Time

Manually change the date and time settings. Disable Set Time Automatically and before manually changing the date and time settings.

### Time Zone (if equipped)

Change the system time display format.

### Time Format

Sets the time format.

### Daylight Saving Time (if equipped)

Displays the system time in the format of Daylight Saving Time.

### Reset Analog Clock (if equipped)

Sets the reset analog clock.

### World Clock

Sets the world clock.



## Language

Sets the language used for the system.



- ✎ Once the language has been changed, it takes a while to apply the new language to the system. The notification pop-up window appears as soon as the new language is applied to the system. When you wait a while or press anywhere outside the pop-up window, the window automatically disappears.
- ✎ When you change the system language, it does not affect the display of other unique data such as MP3 music file name.
- ✎ Depending on the system language, the Bluetooth phone message view and voice recognition may not be supported.

## Keyboard

Sets the keyboard for the system.



## Units (if equipped)

Sets the display units used for the system.



## Media Options

Sets the Media playback options.



### Radio/Media Off at Vehicle Startup

Does not play radio/media automatically at vehicle startup.

### Display Media Change Notifications

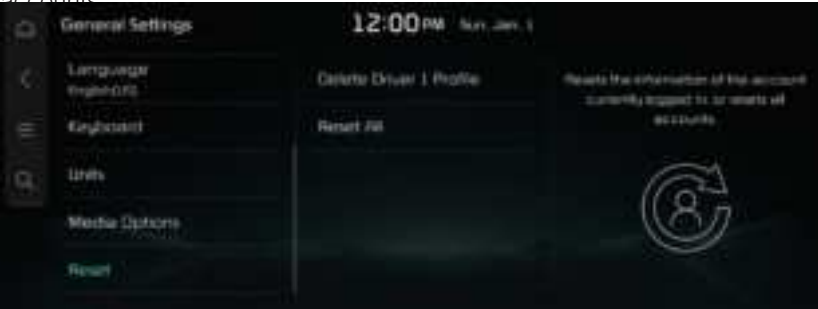
Briefly displays media information whenever the content changes, except on Media playing screens.


### Continue to Play Media when Vehicle Is Turned Off

Does not play Radio/Media automatically at vehicle startup.

# Reset

Resets the information of the account currently logged in, or resets all accounts.










 You can also reset all settings for the login profile.

# OTA Update









## OTA update (if equipped)

Use the OTA update to update the map and infotainment system to the latest versions. New software is automatically downloaded, if there is any.

-  The infotainment system is disabled while the system update is in progress.
-  The wireless update is accessible only when the system is connected to the network.
-  When downloading new update files begins, the [ ] icon appears at the top right of the screen. To view the progress of the download, display the Home screen and press Setup > General > SW Info/Update.
-  After downloading new update files is complete, map update automatically begins and the [ ] icon appears at the top right.
-  The wireless update function is not accessible if the system has not been updated for a specified period of time. If wireless update does not work, first use a USB storage device to perform update.
-  If an error occurs during wireless update, the system automatically restarts. Use the USB storage device to install update files and perform update.
-  Perform update when the vehicle is not used for more than 10 minutes. The time required to update the system differs depending on the situation.

## Updating the system

A notification window appears when your vehicle is turned off. You can use the notification window to update the navigation map and infotainment system.

-  This function is available only when the system is ready for the latest software update.
1. Turn off the vehicle (ACC Off).
  2. From the update notification window, press Update now.  
The update is performed immediately. Update details appear as soon as update is complete.
-  If you turn on the system when update is in progress, you can view the progress of update. When update is in progress, the navigation, camera and infotainment system are disabled.
  -  The system automatically shuts down after update is complete. You can exit the vehicle without having to wait for the update to finish.
  -  A notification window appears after update is complete. You can use your smartphone to scan the QR code in the window to view the update details.
  -  An alternative way to view update details is to select Setup > General > System Info > What's New from the Home screen.
  -  If the battery level is below threshold, the update notification window does not appear when the vehicle is turned off. If this is the case, the update notification window appears when the vehicle is turned on again. In the window, press Start to perform update.



# Reference



# Troubleshooting guide

If the system does not work properly, try to resolve the issue by referring to the table below.

If the issue persists even after taking the suggested action(s), contact the company's service center or service agency.

## Sound and display

### issues

Symptom: A blank screen app ears and sound is not audible.
<ul style="list-style-type: none"><li>• Possible cause: The system is turned off.</li><li>• Solution:<ul style="list-style-type: none"><li>– Confirm that the start switch is in "ACC" or "ON".</li><li>– Press the Power button on the control panel to turn on the system.</li></ul></li></ul>
<ul style="list-style-type: none"><li>• Possible cause: Sound volume is too low.</li><li>• Solution:<ul style="list-style-type: none"><li>– Turn the Volume button on the control panel to adjust the volume.</li></ul></li></ul>
<ul style="list-style-type: none"><li>• Possible cause: Sound is muted.</li><li>• Solution:<ul style="list-style-type: none"><li>– Press the Volume button on the steering wheel to unmute.</li></ul></li></ul>
Symptom: Sound is audible from only one side of the speakers.
<ul style="list-style-type: none"><li>• Possible cause: Sound is imbalanced.</li><li>• Solution:<ul style="list-style-type: none"><li>– On the Home screen, navigate to Setup &gt; Sound and use the settings menu to adjust the sound balance.</li></ul></li></ul>
Symptom: The sound is cut off or noise is heard.
<ul style="list-style-type: none"><li>• Possible cause: Vibration occurs in the system.</li><li>• Solution:<ul style="list-style-type: none"><li>– When the system vibrates, the sound may be cut off or noise may occur. This is not a system failure. The system is restored as soon as the vibration stops.</li></ul></li></ul>
Symptom: The image quality is poor.
<ul style="list-style-type: none"><li>• Possible cause: Screen adjustment is required.</li><li>• Solution:<ul style="list-style-type: none"><li>– On the Home screen, navigate to Setup &gt; Display and use the settings menu to adjust the display settings.</li></ul></li></ul>

<ul style="list-style-type: none"><li>• Possible cause: Vibration occurs in the system.</li><li>• Solution:<ul style="list-style-type: none"><li>– The images may get distorted when vibration occurs in the system. This is not a system failure. The system is restored as soon as the vibration stops.</li></ul></li></ul>
<ul style="list-style-type: none"><li>• Possible cause: The display is aged or the system performance has degraded.</li><li>• Solution:<ul style="list-style-type: none"><li>– If the issue persists, contact the service center of service agency.</li></ul></li></ul>
Symptom: Small red, blue, and green dots are shown on the screen.
<ul style="list-style-type: none"><li>• Solution:<ul style="list-style-type: none"><li>– LCD has very high-density pixels. For this reason, there may be dead pixels (that are always off) or lit pixels (that are always on) within 0.01 percent of the total pixels.</li></ul></li></ul>

## USB playback-related

### issues

Symptom: Files in a USB device cannot be played.
<ul style="list-style-type: none"><li>• Possible cause: There are no compatible files for playback.</li><li>• Solution:<ul style="list-style-type: none"><li>– Copy the files that can be played by the system to the USB device and connect the device again.</li></ul></li></ul>
<ul style="list-style-type: none"><li>• Possible cause: The connection is poor.</li><li>• Solution:<ul style="list-style-type: none"><li>– Remove the USB device from the USB port and then reconnect it properly.</li></ul></li></ul>
<ul style="list-style-type: none"><li>• Possible cause: The USB device is dirty.</li><li>• Solution:<ul style="list-style-type: none"><li>– Remove foreign materials from the surface that contacts the USB device and USB port.</li></ul></li></ul>
<ul style="list-style-type: none"><li>• Possible cause: A USB hub or extension cable is used.</li><li>• Solution:<ul style="list-style-type: none"><li>– Connect the USB device directly to the USB port on the vehicle.</li></ul></li></ul>
<ul style="list-style-type: none"><li>• Possible cause: The USB device is non-standard.</li><li>• Solution:<ul style="list-style-type: none"><li>– Use a USB device that is compatible with the system.</li></ul></li></ul>
<ul style="list-style-type: none"><li>• Possible cause: The USB device is damaged.</li><li>• Solution:<ul style="list-style-type: none"><li>– Use your computer to format the USB device and then connect the device again. Format the device in FAT16/32 format.</li></ul></li></ul>



# Bluetooth connection-related issues

Symptom: The system is not detected by a Bluetooth device.
<ul style="list-style-type: none"><li>• Possible cause: Registration mode needs to be run.</li><li>• Solution:<ul style="list-style-type: none"><li>– On the Home screen, navigate to Setup &gt; Device Connections, run the device registration mode and then perform search again from the device. &gt; See "Connecting a Bluetooth device."</li></ul></li></ul>
Symptom: The Bluetooth device is not connected.
<ul style="list-style-type: none"><li>• Possible cause: The Bluetooth function should be activated.</li><li>• Solution:<ul style="list-style-type: none"><li>– Activate the Bluetooth function on the Bluetooth device to connect.</li></ul></li></ul>
<ul style="list-style-type: none"><li>• Possible cause: There is an error while using the Bluetooth function.</li><li>• Solution:<ul style="list-style-type: none"><li>– Turn the Bluetooth function off and on again on the Bluetooth device and then connect the device again.</li><li>– Turn the Bluetooth device off and on again and then connect the device again.</li><li>– Remove the battery from the Bluetooth device and attach it back, turn on the device, and then connect the device again.</li><li>– Delete the system and Bluetooth device from the registration lists respectively, and then connect the device again.</li></ul></li></ul>

# Phone projection-related issues

Symptom: The phone projection function is not performed when a smartphone is connected using a USB cable.
<ul style="list-style-type: none"><li>• Possible cause: Phone projection is not supported.</li><li>• Solution:<ul style="list-style-type: none"><li>– Visit the website to check whether your smartphone supports the phone projection.</li><li>– Android Auto: <a href="https://support.google.com/androidauto">https://support.google.com/androidauto</a></li><li>– Apple CarPlay: <a href="https://www.apple.com/ios/carplay/">https://www.apple.com/ios/carplay/</a></li></ul></li></ul>
<ul style="list-style-type: none"><li>• Possible cause: The function is inactive.</li><li>• Solution:<ul style="list-style-type: none"><li>– On the Home screen, navigate to Setup &gt; Device Connections and activate the connection from the Phone Projection Settings menu.</li><li>– Make sure that the phone projection is not disabled in the App settings or and not blocked-out settings on your smartphone.</li></ul></li></ul>

- Possible cause: Smartphone encounters poor operation or malfunction
- Solution:
  - Check that the smartphone battery level is not too low. Recognition may not work properly when the battery level is too low.
  - The phone projection may not work properly when the signal strength is weak.
  - If the smartphone is locked, first unlock it.
  - Initialize the smartphone and connect the device again.

Symptom: A black screen appears when the phone projection is activated or in use.

- Possible cause: The smartphone malfunctions.
- Solution:
  - Remove the USB cable from the smartphone and connect the device again.
  - Initialize the smartphone and connect the device again.

## System operation-related issues

Symptom: The previous media mode does not appear when the system is turned off and on.

- Possible cause: It is encountered with poor media connection or playback error.
- Solution:
  - When the media source is not connected or played normally, the previous mode appears. Connect the media source again or play it again.

Symptom: The system slows down or does not operate at all.

- Possible cause: There is an internal error in the system.
- Solution:
  - Restart the system by pressing the reset button with a sharp object such as a pen or clip.
  - Update the system software to the latest version.
  - When the symptom persists, contact service center or service agency.

Symptom: The system cannot be turned on.

- Possible cause: Fuse-related issue
- Solution:
  - Visit an auto service shop and replace with a new fuse of adequate capacity.
  - If the issue persists, contact the service center or service agency.

# Navigation-related issues


Symptom: Destinations cannot be searched for.
<ul style="list-style-type: none"><li>• Possible cause: Outdated map data.</li><li>• Solution:<ul style="list-style-type: none"><li>– Update the map to the latest version.</li></ul></li></ul>
Symptom: Route guidance of the navigation system does not match the actual road conditions.
<ul style="list-style-type: none"><li>• Possible cause: Outdated map data.</li><li>• Solution:<ul style="list-style-type: none"><li>– Update the map to the latest version.</li></ul></li></ul>
<ul style="list-style-type: none"><li>• Possible cause: There have been changes in the road after a map update.</li><li>• Solution:<ul style="list-style-type: none"><li>– Even after an update, route guidance of the navigation system may not be correct if the road conditions and/or traffic signs have been get changed. Be sure to drive according to actual road conditions and traffic regulations.</li></ul></li></ul>
Symptom: Guidance is made by bypassing the route or the speed camera alerts are not followed.
<ul style="list-style-type: none"><li>• Possible cause: The update for the system and map data is required.</li><li>• Solution:<ul style="list-style-type: none"><li>– Update the system and map to the latest version.</li></ul></li></ul>
Symptom: Real-time traffic in formation is not received.
<ul style="list-style-type: none"><li>• Possible cause: Poor signal reception.</li><li>• Solution:<ul style="list-style-type: none"><li>– Reception quality of traffic information can be bad in mountain and island areas. Check the reception status again in a region with strong signals.</li><li>– If the issue persists, contact the service center or service agency.</li></ul></li></ul>

# System status indicator icons





Check the system status by viewing the status indicator icons at the top right of the system screen.

Different status indicator icon appear when each function is performed. The meanings of the icons are as follows:









 The screen may differ depending on the vehicle model and specifications.

## Mute/memo recording

	Navigation sound muted
	Media sound muted
	All sounds muted
	Recording a voice memo

## Bluetooth/call

	Connecting a phone via Bluetooth
	Connecting an audio device via Bluetooth
	Connecting a phone and an audio device via Bluetooth

	Making a call via a Bluetooth phone
	Bluetooth phone's microphone off
	Downloading the contact and list of recent calls from the connected Bluetooth phone




## System update


	Navigation sound muted
	Recording a voice memo

## Available functions in the rear seat (if equipped)

	Rear-seat remote control locked
	Quiet Mode On

## Wireless charging (if equipped)

	Wireless charging in progress
	Wireless charging complete
	Wireless charging failure


 Some icons may not appear depending on the vehicle model and specifications.

# FAQ

## Navigation

How can I update the map?
You can download the latest amp data to a USB device and use the device to update the map.
Guidance is made by bypassing the route or the speed camera alerts are late.
Select another route after setting the route options. If the system has not been updated, update the software and map and then perform serch again.

## Bluetooth

Which functions can I use via Bluetooth?
You can use the hands-free call function with a mobile phone connected. You can also play music after connecting an audio device such as an MP3 player or mobile phone. > See "Using a Phone via Bluetooth", "Playing music via Bluetooth."
How can I register a Bluetooth device?
On the Home screen, press Setup > Device Connections > Device Connections > Add. From the Bluetooth device to be connected, search for the vehicle system and register it. Use the Bluetooth device to enter or approve the authentication code displayed on the system. The deivce is added to the list of Bluetooth deivces in the system and automatically connected to the system. > See "Connecting a Bluetooth device."
I bought a new mobile phone to replace my old phone and want to connect it to the system. How can I register the new phone to the system?
An additional device can be registered the same way as when you register a new device. You can register up to 6 devices in the list of Bluetooth devices. To delete a previously registered device, press Delete from the list of Bluetooth devices, select the device to delete, and then press Delete. > See "Deleting a registered device."
How can I access the list of contacts while using a Bluetooth phone?
Grant access to the contacts when connecting your mobile phone to the system via Bluetooth. The list of contacts on the phone is downloaded to the system. To see the downloaded list of contacts, press the  Call button on the steering wheel and press [ ] at the bottom tab of the Phone screen. You can search for a contact and make a call to the contact, or add the contact to the favorites. > See "Dialing from the contacts."

## Broadcast reception

I turned on the radio while driving but I only heard static.
Depending on the location, obstacles may cause reception to deteriorate. Radio reception rate may also drop when an on-glass antenna is mounted on the rear window and the window is tinted with metallic window film.

## Self-inspection method upon failure

The system does not operate properly. What shall I do?
Inspect the system by referring to the troubleshooting guide. > See "Troubleshooting guide." If the system failure persists after inspection, press and hold the Reset button to reset the system. If the issue persists, contact the service center or service agency.

# Product specifications

## Media player

### USB Music files


Item	Specifications	
File format	MP3(MPEG Layer III Audio), WMA, WAV, OGG, FLAC, TTA, AMR, Monkey's Audio, DFF/DSF, DTS	
Bit-rate and sampling frequency	MP3	8 – 320 kbps (CBR/VBR), ~48kHz(ID3Tag UPTO Ver. 2.4)
	WMA	Standard, Professional, Professional Plus (LBR v1, v2 and v3), lossless 16/24 bit, 8–128 kbps
	WAV	8/16 bit, ~44.1 kHz
	OGG	~167 kbps, ~48 kHz
	FLAC	~1094 kbps, ~192 kHz
	TTA	8/16/32 bit
	AMR	~12.2 kbps
	DTS	447 kbps, ~192 kHz
Specification details	Max. number of directory layers: 20 layers Max. folder/file name length: 255 Bytes Valid characters that can be used in a folder/file name: 2,350 Alphanumeric characters / 4,888 Chinese characters Max. number of folders: 2,000 (including the root) Max. number of files: 8,000	

### USB Video files


Item	Specifications
File format	AVI, ASF, MPEG-1/2, MPEG-4, Matroska
File extension	mpg, mpeg, asf, wmv, avi, mkv
Video codec	MPEG-1/2, MsMPEG, MPEG-4 (A)SP, WMV, VP6/7/8/9, Xvid, H.263, H.264/AVC, H.264/HEVC





Audio codec	<ul style="list-style-type: none"><li>• MPEG-1 Audio Layer I/II/III, MPEG-2 Audio Layer II/III, AAC, HE-AAC, PCM, AMR, DFF/DSF, DSS, Opus, FLAC</li><li>• AC-3, EAC3, DTS/DTS-HD (when the vehicle has the corresponding option)</li></ul>
Max. resolution	3840 x 2160 (Depends on the codec)
Subtitle	SMI, SRT

 The following files are not played.

- Modified files (format-changed files)
- Variant file (e.g. MP3 files encoded by WMA audio codec)
- DRM (Digital Rights Management)-protected files
- Files with no index


 Sound quality is not guaranteed in case of music files that use the bit-rate exceeding 192 kbps.

 With files that do not use a fixed bit rate, some functions may not work properly or the playback time may not appear accurately.

 If an issue occurs while playing or you want to play an incompatible format file, use the latest encoder software to change the format before using the file.


### USB storage devices

Item	Specifications
Byte/Sector	64 Kbyte or less
Format system	FAT16/32 (recommended), exFAT, NTFS

 With USB storage devices that are not equipped with a plug-type connector (metal cover type), proper operation is not guaranteed.

- USB storage devices with a plastic plug may not be recognized.
- USB memory cards (e.g. CF cards, SD cards) may not be recognized.

 USB hard drives may not be recognized.

 When using a USB mass storage device divided into logical drives, only the files saved in the first drive can be played.

 When a USB storage device has some Apps, media files may have problems playing.

# Common specifications

Item	Specifications
Power supply	DC 14.4 V
Operating voltage	DC 9–16 V
Dark current	Within 1 mA
Operating temperature range	–20 °C to +70 °C
Storage temperature range	–40 °C to +85 °C
Electric current consumption	External amplifier: 2.5 A (typ.) Built-in amplifire: 15 A (max.)

# Refined Radio

Item	Specifications
Available stations	FM: 87.5–108.0 MHz AM: 531–1602 kHz
Sensitivity	FM: Within 10 dBuV AM: Within 35 dBuV EMF
Distortion factor	Within 2 %

# Bluetooth

Item	Specifications
Frequency range	2400–2483.5 MHz
Supported Bluetooth version	5.0
Supported profiles	HFP (1.8), A2DP (1.3), AVRCP (1.6), PBAP (1.2), MAP (1.4)
Bluetooth Power Class 2	–6 to 4 dBm
Antenna power output	2.5 mW (max.)
Number of channels	79 channels

LTE  
RF

Item	Specifications	
LTE	Accept	Frequency: B1: 2110–2170 MHz B3: 1805–1880 MHz B5: 869–894 MHz B7: 2620–2690 MHz B8: 925–960 MHz  Sensitivity: B1: Below –96.3 dBm @ 10 MHz B3, B8: Below –93.3 dBm @ 10 MHz B5, B7: Below –94.3 dBm @ 10 MHz
	Signal transmission	Frequency: B1: 1920~1980 MHz B3: 1710~1785 MHz B5: 884~849 MHz B7: 2500~2570 MHz B8: 880~915 MHz  Max. transmission output: B1, B3, B5, B7, B8: 20.3–25.7 dBm
WCDMA	Accept	Frequency: B1: 2110–2170 MHz  Sensitivity: Within – 106 dBm
	Signal transmission	Frequency: B1: 1920–1980 MHz  Max. transmission output: 20.3–25.7 dBm

# Trademarks

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- Bluetooth® word mark and logo is a registered trademark of Bluetooth SIG, Inc. and all the Bluetooth marks and logos are under the license.  
In order to use Bluetooth wireless technology, a mobile phone, that Bluetooth function is supported, is required.



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## FCC

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device should be installed and operated with minimum 20 cm between the radiator and your body.

