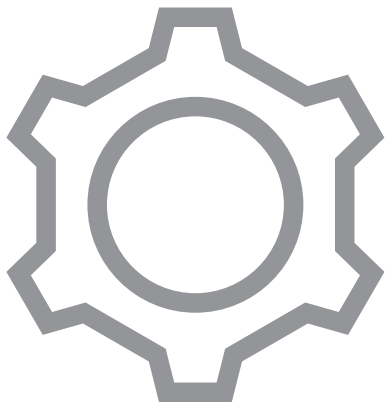


09

Settings



Configuring the navigation settings

Configuring the UVO settings

Configuring the general system settings

Configuring the display settings

Device connection settings

Configuring the advanced system settings

Configuring the sound settings

Configuring the voice recognition settings

Updating the system software and map

Configuring the navigation settings

You can configure the navigation settings for navigation operations, screen display, voice guidance, etc. You can also export or import the location data.

✍ For details on how to use navigation functions, see the “Navigation” chapter. ▶ see “Navigation.”

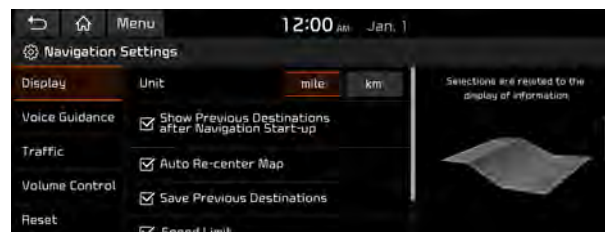
1 On the All Menus screen, touch **Setup ▶ Navigation.**

The navigation settings screen appears.

2 Configure the settings required:

Display

You can specify the information to display on the navigation map screen.



Unit

You can set the distance unit of the navigation map to **mile** or **km**.

Show Previous Destinations after Navigation Start-up

You can set to automatically display the previous destinations on a pop-up window when the navigation system starts.

Auto Re-center Map

You can set the system to automatically display the current position when the specified period of time elapses after changing to another position on the map.

Save Previous Destinations

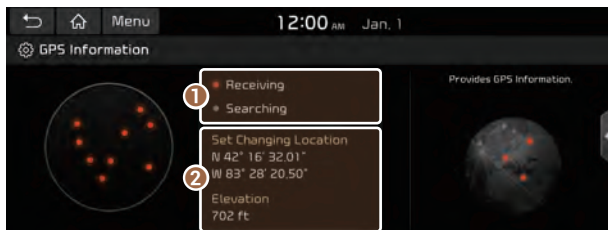
You can set to automatically save the previous destinations, searched ones, and starting points.

Speed Limits

Sets whether or not to display the speed limits on the screen.

GPS Information

Can see the GPS satellite status and coordinates of the current position.

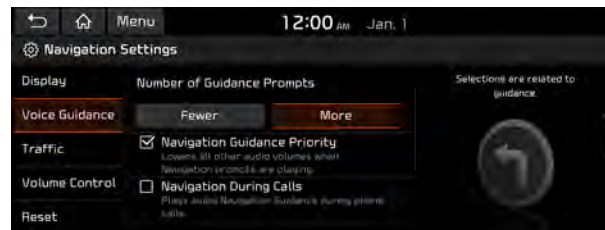


The following information appears:

- 1 Can see the reception status of the satellite signals.
 - Receiving: Satellite signals are being received and the current position is recognized.
 - Searching: The system is scanning the satellite signals.
- 2 Can see the current location.

Voice Guidance

You can configure the navigation guidance settings.



Number of Guidance Prompts

You can set to hear the navigation voice guidance as **Fewer** or **More**.

Navigation Guidance Priority

You can set to hear the navigation voice guidance in advance. When the setting is checked, the volume decreases automatically while in guidance.

Navigation During Calls

Sets whether or not to provide guidance during a call. When checked, you can hear the guidance during a call.

Traffic

You can set whether to display traffic information on the navigation map screen. In addition, you can set the system to apply changes in traffic conditions for guidance by performing periodic re-routing.



Traffic-based Rerouting

You can set the system to apply changes in traffic conditions for guidance by performing periodic re-routing.

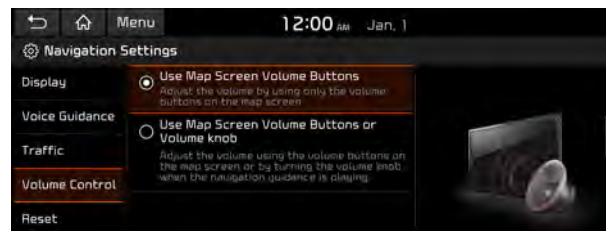
- **On: Automatic Rerouting:** Automatically changes to a faster route while in guidance.
- **On: User-approved Rerouting:** Displays the selection window for faster routes while in guidance.
- **Off:** Does not change the route.

Show Traffic Info.

Sets whether or not to display traffic information on the route of the map.

Volume Control

You can set how to adjust the volume while using the navigation system.



Use Map Screen Volume Buttons

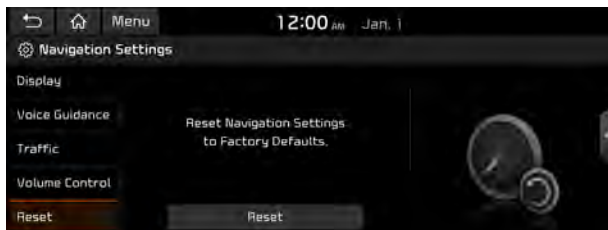
Can adjust the volume by using the button on the map screen.

Use Map Screen Volume Buttons or Volume knob

During voice guidance, you can use the volume control button on the map or [VOLUME] knob on the control panel.

Reset

You can return all navigation settings to defaults.



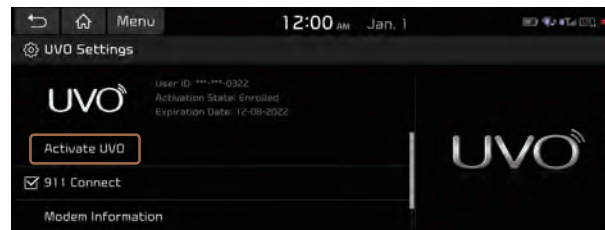
Configuring the UVO settings

You can subscribe to the UVO service or see the modem information.

- 1 On the All Menus screen, touch **Setup ► UVO**.
The UVO settings screen appears.
- 2 Configure the settings required:

Activate UVO

You can subscribe to the UVO service by using the UVO settings menu.



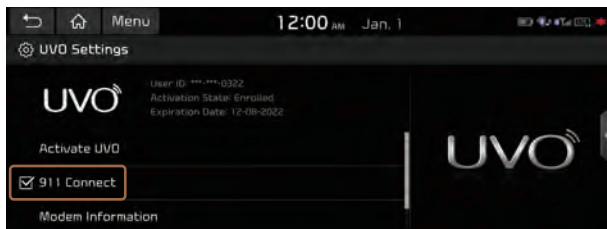
 For more information: ► see "Subscribing to the service."

911 Connect

This feature provides you with immediate assistance when an accident occurs and an airbag is deployed.

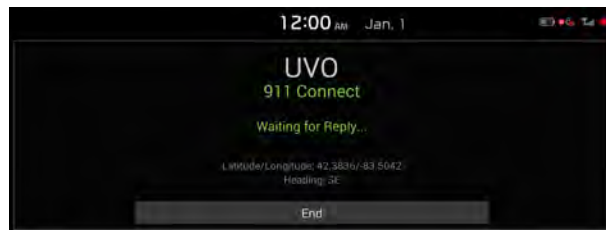
1 On the All Menus screen, touch **Setup ► UVO ► UVO Settings**.

2 Touch **911 Connect** to activate it.



3 Read the terms of use and touch **Accept**.

 The feature is activated and  appears at the top right of the screen.



 When an airbag is deployed, the system automatically makes a call to 911 and sends your location to the 911 operator.

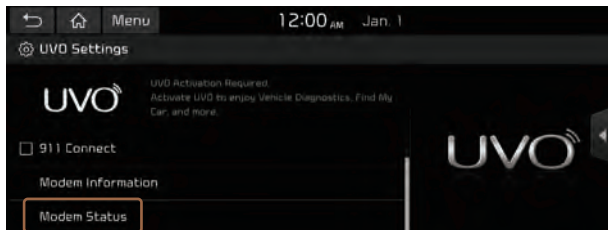
Modem Information

You can check the modem information for use of the UVO service.



Modem Status

You can check the modem status for use of the UVO service.



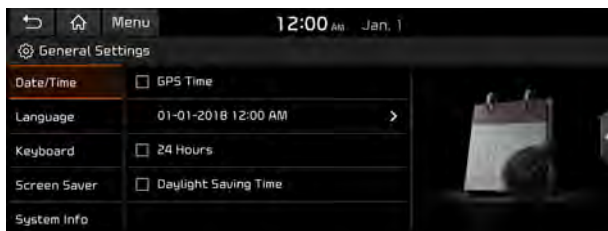
Configuring the general system settings

You can configure general settings for date, time, language, and the like. You can also check information of the system.

- 1 On the All Menus screen, touch **Setup ► General**.
The general settings screen appears.
- 2 Configure the settings required:

Date/Time

You can set the system date and time automatically or manually. You can also set the time display mode.



GPS Time

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

- ✎ To manually set the date and time, uncheck **GPS Time**, touch the current date and time below **GPS Time**, and then set the date and time.

24 Hours

The system time is displayed in the 24-hour format.

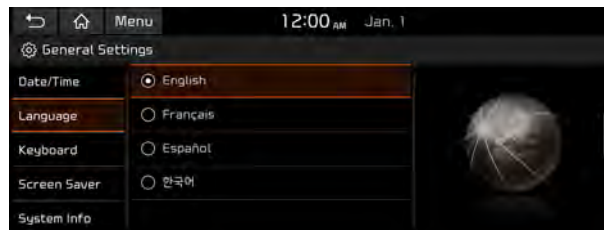
- ✎ For example, when **24 Hours** is checked and the current time is 01:08 pm, the system screen displays the time as "13:08." When the checkbox is deselected, the time display changes to "01:08 PM."

Daylight Saving Time

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

Language

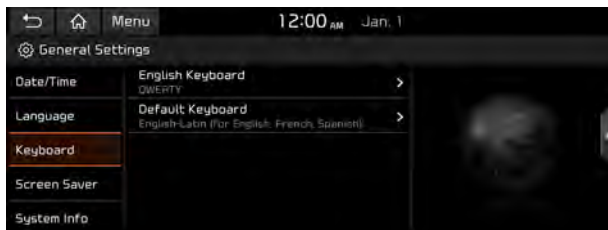
You can set the system display language.



- ✎ 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 touch 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

You can change the keyboard type for each language to use when entering the text.



English Keyboard

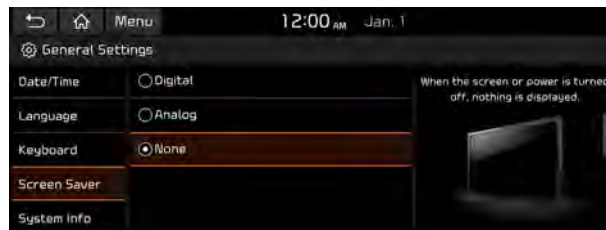
You can select the keyboard type to use when entering the English text.

Default Keyboard

You can select the default keyboard type.

Screen Saver

You can select the items to display on the screen saver in standby mode.



Digital

Displays the digital clock and date on the system screen saver.

Analog

Displays the analog clock and date on the system screen saver.

None

Displays nothing on the system screen saver.

System Info

You can check the system software version and storage space. You can also update the system software, use your smartphone to access the online user's manual of the system, or reset all system settings to default values.



SW Info/Update

You can see the versions of system components. You can also update the system to the latest version.

 For details on how to update the system software: ► see ["Updating the system software and map."](#)

Storage

You can check the storage space of the system memory where voice memos can be saved.

User's Manual on Web (QR Code)

You can access the online user's manual of the system by scanning the QR code with your smartphone.

Reset

You can initialize all system settings including general settings and navigation settings.



Caution

When reset is performed, all user data in the system including the location data is deleted.

Configuring the display settings

You can change the system display settings such as display brightness.

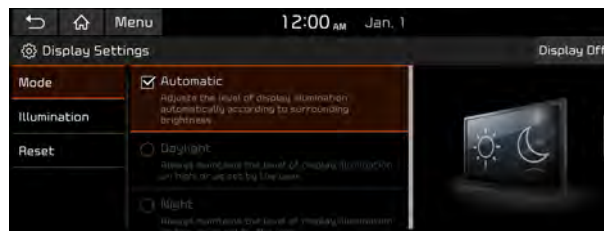
- 1 On the All Menus screen, touch **Setup ► Display**.

The display settings screen appears.

- 2 Configure the settings required:

Mode

You can set the system to automatically adjust the display brightness depending on the ambient light intensity. You can also set the system to keep the display bright or dark all the time.



Automatic

The display brightness is automatically adjusted based on the surrounding environment.

Daylight

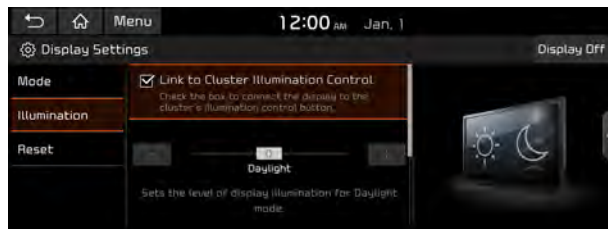
It can be activated when **Automatic** is turned off. It keeps the display always bright regardless of the surrounding environment.

Night

It can be activated when **Automatic** is turned off. It keeps the display always dark regardless of the surrounding environment.

Illumination

You can set the system to automatically adjust the display brightness depending on the cluster illumination. You can also set the level of display brightness to use while using the daytime or night mode.



Link to Cluster Illumination Control

The display brightness is automatically adjusted based on the cluster illumination.

Daylight

Sets the display brightness when **Daylight** is selected under **Mode**. Uncheck **Link to Cluster Illustration Control** and then set to the desired brightness.

Night

Sets the display brightness when **Night** is selected under **Mode**. Uncheck **Link to Cluster Illustration Control** and then set to the desired brightness.

Reset

You can initialize all display settings such as brightness.



Device connection settings

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

1 On the All Menus screen, touch **Setup ► Device Connections**.

The device connection settings screen appears.

2 Configure the settings required:

Bluetooth

You can register or delete a Bluetooth device for the system and connect or disconnect a registered device. You can also configure operation settings such as notifications, messages, and other settings for Bluetooth devices.



- ✎ For more information on how to use the Bluetooth functions:
 - see “Connecting a Bluetooth device.”
- ✎ Some setting options appear when a smartphone is connected to the system.
- ✎ To edit or delete a message, pull over 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 messages as follows:
 - Only the sender name appears when the sender information is saved.
 - Otherwise, 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.
- ✎ The message reader function may not be supported depending on the system language.

Bluetooth Connections

You can register or delete a Bluetooth device from the system and connect or disconnect a registered device.

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

Bluetooth Voice Prompts

Set whether to hear voice prompts for events related to Bluetooth connections.

Message Settings

- **Message Notification:** Sets to receive message notifications.
- **Predefined Messages:** Can edit message templates for replies.

✎ This option may not be available in some phone models.

Bluetooth System Info

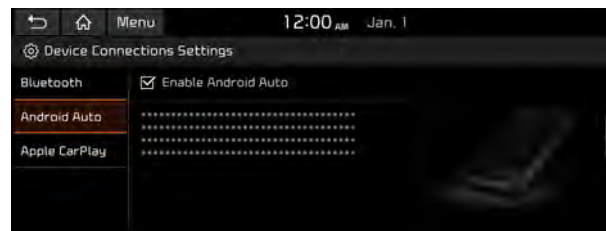
You can see and edit the Bluetooth information of the system.

Reset

You can delete all registered Bluetooth devices and initialize Bluetooth settings. All data for Bluetooth devices are also deleted.

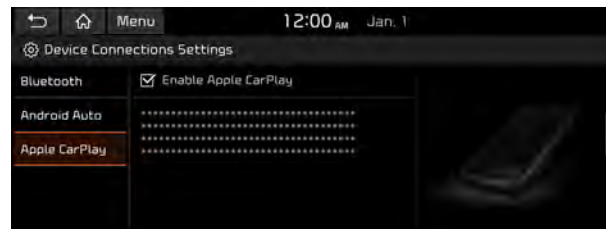
Android Auto

You can activate the Android Auto function to pair your Android smartphone with the system.



Apple CarPlay

You can activate the Apple CarPlay function to pair your iPhone with the system.



Configuring the advanced system settings

You can configure the settings for notification and button actions.

- 1 On the All Menus screen, touch **Setup** ► **Advanced**.

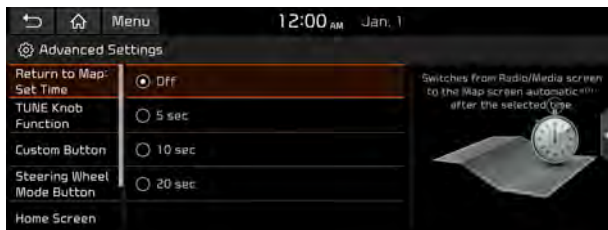
The advanced settings screen appears.

- 2 Configure the settings required:

Return to Map: Set Time

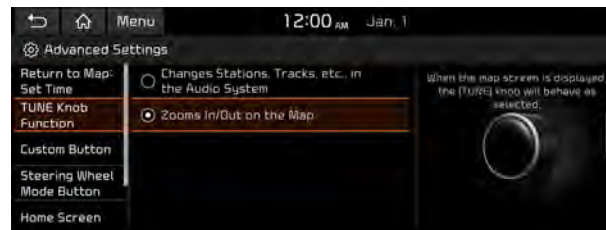
You can set the system to automatically display the map screen after a specified period of time when switched to the AV mode screen while using the navigation.

- ✍ This function works while driving once a destination has been set.



TUNE Knob Function

You can change the [TUNE/FILE] knob's function on the map.



Changes Stations, Tracks, etc., in the Audio System

You can search music or adjust the radio frequency by using the [TUNE/FILE] knob on the map.

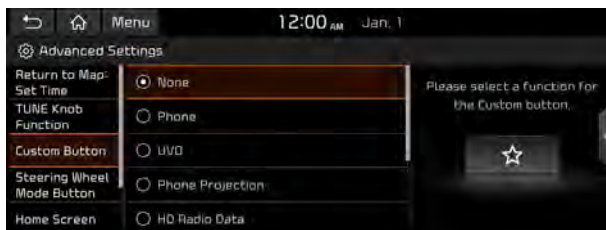
Zooms In/Out on the Map

You can zoom in or out the map by using the [TUNE/FILE] knob on the map.

Custom Button

You can set the frequently used functions by pressing the custom button [☆] on the control panel. Set the frequently used functions as custom buttons to access them easily.

- ✎ When you touch the custom button [☆] after setting the **Favorites**, the corresponding screen appears.



Steering Wheel Mode Button

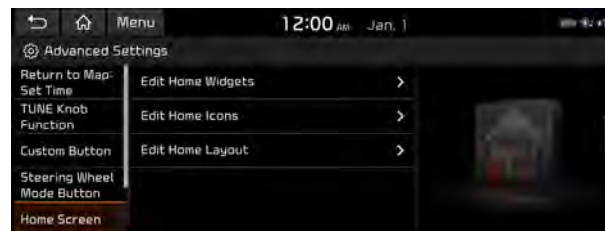
You can select the media mode to run when the [MODE] button on the steering wheel is pressed.

- ✎ You can add **AM** or **Phone Projection** function on each mode button to perform easily.



Home Screen

You can change the Home screen configuration and layout.



Edit Home Widgets

You can edit the types and arrangement of home widgets.

✎ For more information: ► see “Editing widgets on the One Page Home screen”, “Editing widgets on the Multi-page Home screen.”

Edit Home Icons

You can edit the arrangement of home icons.

✎ For more information: ► see “Editing icons on the One Page Home screen”, “Editing icons on the Multi-page Home screen.”

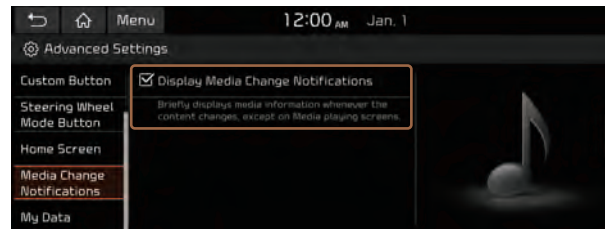
Edit Home Layout

You can set the Home screen type.

✎ For more information: ► see “Setting the Home screen type.”

Media Change Notifications

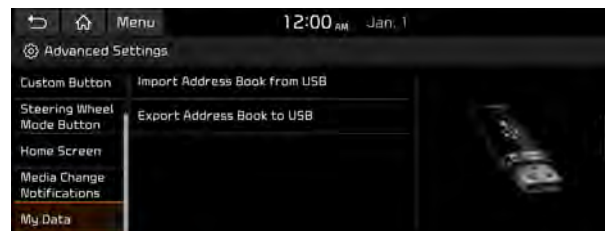
You can set to display the changed music or channel information at the top of the screen or on the split screen when switched to another function during media playback.



My Data

You can import location data from a USB device to the system, or export the data on the system to a USB device.

✎ When importing or exporting the location data, you can use only the USB device formatted in exFAT, FAT16/32 or NTFS.



Import Address Book from USB

You can import the location data on a USB device to the system.

- ✎ The previous location data on the system is to be deleted.
- ✎ While importing from a navigation system that uses a different coordinate system, the locations may appear differently.

Export Address Book to USB

You can export the location data on the system to a USB device.

- ✎ The location data on the USB device is deleted.

Extend rear camera use (if equipped)

You can set to display the rear camera display even when you change the shift position other than "R" (Reverse) after reversing.

- ✎ When you shift to "P" (Park) or drive at a predetermined speed or faster, the rear view display disappears to display the previous screen.

Configuring the sound settings

You can 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 All Menus screen, touch **Setup ► Sound**.
The sound settings screen appears.
- 2 Configure the settings required:

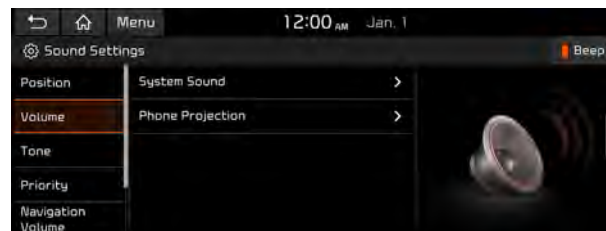
Position

You can select a position where sound is more audible in the vehicle. By touching the desired point on the seat image or touching the arrow buttons, you can finely adjust the position. To concentrate the sound to the center of the vehicle, touch .



Volume

You can adjust the volume for each system function including phone projection.



System Sound

You can adjust the volume for each system function and initialize all volume settings.

 To initialize all system sound settings, touch **Reset**.

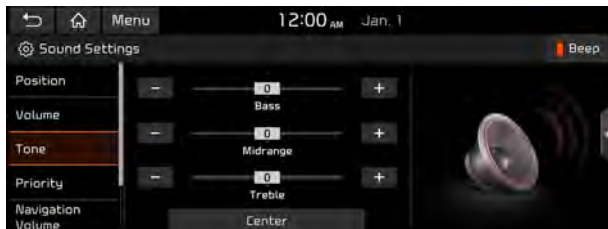
Phone Projection

You can adjust the volume of the phone projection and initialize all volume settings.

 To initialize all system sound settings of the phone projection, touch **Reset**.

Tone

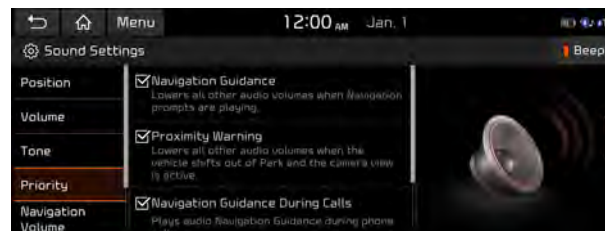
You can adjust the sound by adjusting the strengths (output levels) for each audio band: Bass, Midrange, and Treble. You can also initialize the output levels for all audio bands.



✎ To initialize the output levels for all audio bands, touch **Center**.

Priority

You can configure the settings so that a specific sound is more audible over other sounds.



Navigation Guidance

You can set to enable the navigation sound to be heard first when using both the navigation system and AV system.

Proximity Warning

When warning sound is generated while parking, the audio volume is decreased to make the sound audible.

Navigation Guidance During Calls

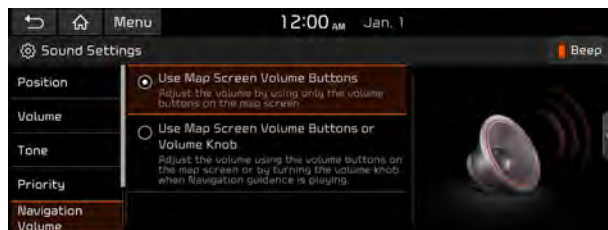
Even during a call, the navigation sound is heard.

Start-up Volume Limit

You can set to automatically decrease the audio volume to an adequate level when turning on the vehicle.

Navigation Volume

You can select a method to adjust the navigation volume.



Use Map Screen Volume Buttons

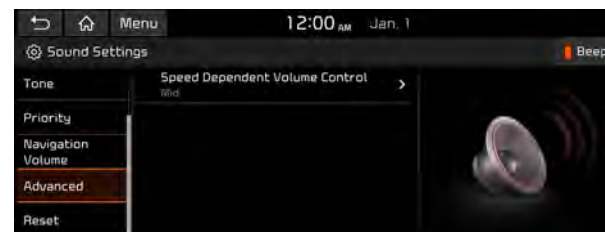
You can adjust the navigation volume by using the volume control button on the map screen.

Use Map Screen Volume Buttons or Volume Knob

By using the volume control button on the map screen or using the **[VOLUME]** knob on the control panel, you can adjust the navigation volume.

Advanced

You can change the system sound settings and apply various sound effects.



 Available sound effects may differ depending on the specifications of the amplifier.

Speed Dependent Volume Control

You can set the system to automatically increase the audio volume when the vehicle speed increases.

Live Dynamic (if equipped)

Provides natural and vivid sound like real performance.

Bass Boost (if equipped)

Provides magnificent and dynamic sound by amplifying the bass.

Quantum Logic Surround (if equipped)

Provides the surround sound that can give spatial depth of field as on an actual stage.

Clari-Fi (if equipped)

Provides sound close to the original after recovering the sound lost during compression.

BOSE Centerpoint (if equipped)

Provides rich surround sound after converting the sound sources such as digital files and satellite radio to stereophonic sound.

BOSE Dynamic Speed Compensation (if equipped)

Provides a stable listening environment by adjusting the audio volume depending on the vehicle speed.

Reset

You can reset the sound settings.



Turning on/off the screen touch sound

To turn on or off the touch sound on the screen, touch **Beep** at the top of the screen.

Configuring the voice recognition settings

You can change the settings for voice recognition.

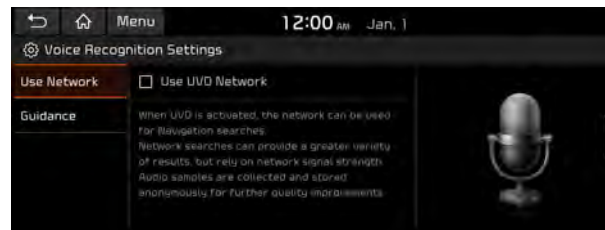
- 1 On the All Menus screen, touch **Setup ► Voice Recognition**.

The voice recognition settings screen appears.

- 2 Configure the settings required:

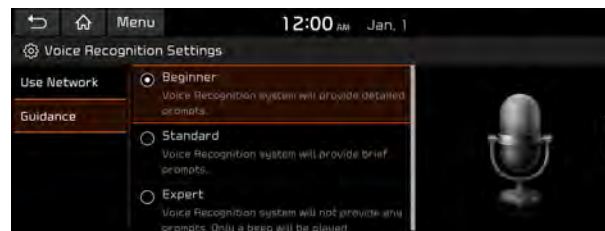
Use Network

When UVO is activated, press the button in the rearview mirror / overhead console to initiate network Navigation searches. Network searches can provide a greater variety of results, but rely on network signal strength. Audio samples are collected and stored anonymously for further quality improvements.



Guidance

You can set whether to hear the voice recognition guidance briefly or in detail. You can also turn off the voice guidance.



Updating the system software and map

You can update the navigation map and infotainment system.
Please visit your local dealership to update your system.

- ✍ Any changes made after the update file is created are not reflected in the map. As a result, certain roads, buildings, and speed limits on the map may not be up to date.
- ✍ Depending on the total data amount, an update may take several minutes.
- ✍ Do not turn off the system or remove the storage device while the update is in progress. When power supply is cut off or the storage device is removed from the system, it may damage the data or cause a system malfunction.

10

Appendix



Solutions

System status indicator icons

FAQ

Product specifications

Important information

Index

Trademarks

Solutions

Before reporting a malfunctioning system, refer to the following table and see if you can identify and fix the problem. If the problem persists or you are unable to locate your specific need, contact your place of purchase or dealer.

Sound and display

Symptom	Possible cause	Solution
A blank screen appears and sound is not audible.	The system is turned off.	• Check that the start switch is in “ACC” or “ON.” • Press the [POWER] button to turn on the system.
	Sound volume is too low.	On the control panel, turn the [VOLUME] knob to adjust the volume.
	Sound is muted.	On the steering wheel, press the [MUTE] button to make the sound audible.
Sound is audible from only one side of the speakers.	Sound is imbalanced.	On the All Menus screen, touch Setup ► Sound ► Position and adjust the sound outputs for the left and right speakers.
The sound is cut off or noise is heard.	Vibration occurs in the system.	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.

Symptom	Possible cause	Solution
The image quality is poor.	Screen adjustment is required.	On the All Menus screen, touch Setup ► Display ► Illumination , and then adjust the brightness.
	Vibration occurs in the system.	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.
	The display is aged or the system performance is degraded.	If the problem persists, contact your place of purchase or dealer.
Small red, blue, and green dots are shown on the screen.		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.

USB playback

Symptom	Possible cause	Solution
Files in a USB device cannot be played.	There are no compatible files for playback	Copy the files that can be played by the system to the USB device and connect the device again. ► see "USB mode."
	Poor connection is found.	Remove the USB device from the USB port and then reconnect it properly.
	The USB device is infected by a virus or other malware.	Remove foreign materials from the surface that contacts the USB device and USB port.
	A USB hub or extension cable is used.	Connect the USB device directly to the USB port on the vehicle.
		
The USB device is non-standard.	Use a USB device that is compatible with the system. ► see "USB mode."	
The USB device is damaged.	Use your computer to format the USB device and then connect the device again. Format the device in FAT16/32 format.	

Bluetooth connection

Symptom	Possible cause	Solution
The system is not detected by a Bluetooth device.	Registration mode needs to be run.	On the All Menus screen, touch Setup ► Device Connections ► Bluetooth ► Bluetooth Connections ► Add New to run the registration mode and perform search again from the Bluetooth device.
The Bluetooth device is not connected.	The Bluetooth function should be activated.	Activate the Bluetooth function on the Bluetooth device to connect.
	Any error occurs while using the Bluetooth function.	• Turn the Bluetooth function off and on on the Bluetooth device and then connect the device again. • Turn the Bluetooth device off and on and then connect the device again. • Remove the battery from the Bluetooth device and attach it back, turn on the device, and then connect the device again. • Delete the system and Bluetooth device from the registration lists respectively and then connect the device again.

Phone projection

Symptom	Possible cause	Solution
The phone projection function is not performed when a smartphone is connected using a USB cable.	Phone projection is not supported.	Visit the website to check whether your smartphone supports the phone projection. • Android Auto: https://support.google.com/androidauto • Apple CarPlay: http://www.apple.com/ios/carplay
	The function is inactive.	• On the All Menus screen, touch Setup ► Device Connections, select the function to use, and then turn on the phone projection option. • Make sure that the phone projection is not disabled in the application settings or block-out settings on your smartphone.
	Smartphone is encountered with poor operation or malfunction.	• 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. • When the smartphone is locked, first unlock it. • Reset the smartphone and connect the device again.
A black screen appears when the phone projection is activated or in use.	The smartphone malfunctions.	• Remove the USB cable from the smartphone and connect the device again. • Reset the smartphone and connect the device again.

System operation

Symptom	Possible cause	Solution
The previous media mode does not appear when the system is turned off and on.	It is encountered with poor media connection or playback error.	When the media source is not connected or played normally, the previous mode appears. Connect the media source again or play it again.
The system slows down or does not operate at all.	An internal error occurs in the system.	• Reset the system by pressing the reset button with a sharp object such as pen or clip. • If the problem persists, contact your place of purchase or dealer.
The system is not turned on.	Fuse-related issues	• Visit an auto service shop and replace the fuse with a new one of appropriate capacity. • If the problem persists, contact your place of purchase or dealer.

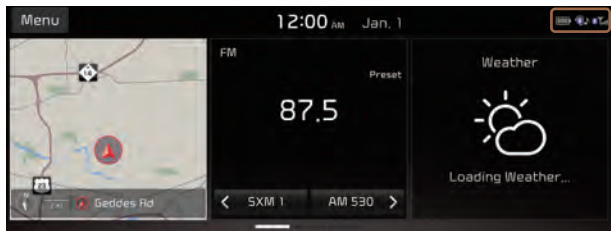
Navigation system operation

Symptom	Possible cause	Solution
The destination is not searched.	Outdated map data	To update your system, visit your local dealership.
Route guidance of the navigation system does not match the actual road conditions.	Outdated map data	To update your system, visit your local dealership.
	There have been changes in the road after a map update.	Route guidance of the navigation system may not match the actual road conditions even after the map is updated to the latest version because the update depends on the creation date. Be sure to drive according to actual road conditions and regulations.
Guidance is made by bypassing the route or the speed camera alerts are not followed.	The update for the system and map data is required.	To update your system, visit your local dealership.
The real-time traffic information is not received.	Poor signal reception	• Reception of traffic information may is not made smoothly in mountain and island areas. Check the reception status again in a region with strong signals.
		• If the problem persists, contact your place of purchase or dealer.

System status indicator icons

You can see the system status by checking the status indicator icons at the top right of the system screen.

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



Mute/memo recording



NAV	Navigation sound muted
Audio	AV sound muted
NAV Audio	All sound outputs muted
	Recording a voice memo

Bluetooth/call



	Battery level of the connected Bluetooth device
	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 list of recent calls from the connected Bluetooth phone
	Downloading the contact list from the connected Bluetooth phone
	Bluetooth phone's signal strength

UVO



	Talking with a UVO phone
	UVO phone's microphone off
	Vehicle location sharing
	Sending the vehicle location
	Receiving the vehicle location
	Sending/receiving the vehicle location
	UVO network's signal strength

Data



	LTE data available
	Using LTE data

System update



	Scheduling the update
	Updating

Wireless charging



	Wireless charging in progress
	Wireless charging complete
	Wireless charging failure

- Battery level on the screen may differ from the one on the connected Bluetooth device.
- Signal strength on the screen may differ from the one on the connected mobile phone.
- Some icons may not appear depending on the vehicle model and specifications.

FAQ

Navigation

Q How can I update the map?

A You can download the latest map data to a USB device and use the device to update the map. ► see “Updating the system software and map.”

Q Guidance is made by bypassing the route or the speed camera alerts are late.

A Select another route after setting the route options. On the map screen, touch **Menu ► Route ► Route Options** to change the settings and resume navigation. ► see “Changing the route search criteria.”

When the system is not updated, update the software and map and then perform search again. ► see “Updating the system software and map.”

Bluetooth

Q Which functions can I use via Bluetooth?

A 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 MP3 player or mobile phone. ► see “Making a call via Bluetooth.”, “Listening to music via Bluetooth.”

Q How can I register a Bluetooth device?

A On the All Menus screen, touch **Setup ► Device Connections ► Bluetooth ► Bluetooth Connections ► Add New**. 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 number displayed on the system. Then the device is added to the list of Bluetooth devices in the system and automatically connected to the system. ► see “Connecting a Bluetooth device.”

Q I bought a new mobile phone and want to replace my old phone with the new one to connect the system. How can I register the new phone to the system?

A An additional device can be registered in the same way as in registration of a new device. You can register up to 6 devices in the list of Bluetooth devices. To delete a previously registered device, touch **Delete Devices** from the list of Bluetooth devices, select the device to delete, and then touch **Delete**. ► see "Deleting a registered device."

Q How can I access the list of contacts while using a Bluetooth phone?

A Approve 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 [] button on the steering wheel and touch  on the call 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

Q I turned on the radio while driving but I hear no sound but noise.

A 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 films.

Self-inspection method upon failure

Q The system does not operate properly. What shall I do?

A Inspect the system after referring to Troubleshooting Guide. ► see “Solutions.”

When the system failure persists after inspection, press and hold the Reset button to reset the system.

If the problem persists, contact your place of purchase or dealer.

Product specifications

Media player

USB mode

Music files

Item	Specifications
File format	MPEG-1/2 Layer3, OGG (Vorbis), FLAC, WMA (Standard/Professional), WAV
Bit-rate and sampling frequency	MP3 8–320 kbps (CBR/VBR), up to 48 kHz (ID3 tag version: Ver. 1.0, Ver. 1.1, Ver. 2.2, Ver. 2.3, Ver. 2.4)
	OGG Q1 to Q10, up to 48 kHz
	FLAC 8/16/24-bit, up to 48 kHz
	WMA Standard (0x161): up to L3 Profile, up to 385 kbps, up to 48 kHz Professional (0x162): up to M0b, up to 192 kbps, up to 48 kHz
	WAV 8/16 to bit, up to 48 kHz

Item	Specifications
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 Channels

- ✎ The following files are not played.
 - Modified files (format-changed files)
 - Variant files (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 the files that do not use the fixed bit rate, some functions may not work properly or the playback time may not appear accurately.
- ✎ When a trouble 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 KB or less
Format system	FAT16/32 (recommended), exFAT, NTFS

- ✎ With the 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.
- ✎ Problems that are caused by using USB storage devices (not specified in the following list), are not covered by the warranty.

Product name	Manufacturer
XTICK	LG
BMK	BMK Technology
SKY-DRV	Sky Digital
TRANSCEND JetFlash	TranScend
Sandisk Cruzer	SanDisk
Micro ZyRUS	ZyRUS
NEXTIK	DIGI Works

- ✎ 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 applications, media files may not be played.

Common specifications

Item	Specifications
Power supply	DC 14.4 V
Operating voltage	DC 9-16 V
Dark current	Below 1 mA in average within 45 days
Operating temperature range	-20 to +70 °C
Storage temperature range	-40 to +85 °C
Electric current consumption	2.5 A

Radio

Item	Specifications
Available channels	FM: 87.5–107.9 MHz (step: 200 kHz) AM: 530–1710 kHz (step: 10 kHz)
Sensitivity	FM: Within 10 dBuV AM: Within 35 dBuEMF
Distortion factor	Within 2 %

Bluetooth

Item	Specifications
Frequency range	2400-2483.5 MHz
Supported Bluetooth version	4.1
Supported profiles	Hands-free (1.7), A2DP (1.3), AVRCP (1.6), PBAP (1.1), MAP (1.2)
Bluetooth Power Class 2	-6 to 4 dBm
Antenna power output	3 mW (max.)
Number of channels	79

WLAN

Item	Specifications
Frequency range	2412-2462 MHz 5180-5825 MHz
Power (Max.)	2.4GHz: 10 dBm 5GHz: 10dBm

LTE RF

Item	Specifications	
LTE	Reception	Frequency: 1930MHz to 1990MHz(B2), 2110MHz to 2155MHz(B4), 869MHz to 894MHz(B5), 746MHz to 756MHz(B13) Sensitivity: -94.3dBm under@10M(B2,5), -96.3dBm under@10M(B4), -93.3dBm under@10M(B13) (Throughput ≥95%)
	Transmission	Frequency: 1850MHz to 1910MHz(B2), 1710MHz to 1755MHz(B4), 824MHz to 849MHz(B5), 777MHz to 787MHz(B13) Maximum RF output power: 24dBm

Item	Specifications	
CDMA	Reception	Frequency: 869MHz to 894MHz(BC0), 1930MHz to 1990MHz(BC1) Sensitivity: -104dBm under(FER = 0.5% under)
	Transmission	Frequency: 824MHz to 849MHz(BC0), 1850MHz to 1910MHz(BC1) Maximum RF output power: 25dBm

Important information

Before using your system, read and follow all instructions and safety information provided in this user's guide ("User's Manual"). Not following precautions found in this guide can lead to an accident or other serious consequences.

Keep this guide in your vehicle

When kept in the vehicle, this guide will be a ready reference for you and other users unfamiliar with the system. Ensure that before using the system for the first time, all persons have access to this guide and read its instructions and safety information carefully.

Warning

Operating certain parts of this system while driving can distract your attention away from the road, and possibly cause an accident or other serious consequences. Do not change system settings or enter data non-verbally (using your hands) while driving. Stop the vehicle in a safe and legal manner before attempting these operations. This is important since while setting up or changing some functions as you may to distract your attention away from the road and remove your hands from the steering wheel.

General operation

Voice command control

Features within the system may be executed using only voice commands. Using voice commands while driving allows you to operate the system without removing your hands from the steering wheel.

Prolonged views of screen

Do not access any function requiring a prolonged view of the screen while you are driving. Pull over in a safe and legal manner before attempting to access a function of the system requiring prolonged attention. Even short views of the screen may be hazardous if your attention has been diverted away from your driving.

Volume setting

Do not raise the volume excessively. Keep the volume at a level where you can still hear outside traffic and emergency signals while driving. Driving while unable to hear these sounds could cause an accident.

Navigation features

Navigation features included in the system are intended to provide detailed instructions to get you to a desired destination. Ensure that all persons using this system carefully read and follow all instructions on safety information.

Distraction hazard

Some navigation features may require manual (non-verbal) setup. Attempting to perform such setup or inputting data while driving can seriously distract your attention and could cause an accident. Stop the vehicle in a safe and legal manner before attempting these operations.

Let your judgment prevail

Any navigation features are provided only as an aid. Make your driving decisions based on your observations of local conditions and existing traffic regulations. Any such feature is not a substitute for your personal judgment. Any route suggestions made by this system should never replace any local traffic regulations or your personal judgment or knowledge of safe driving practices.

Route safety

Do not follow the route suggestions if doing so would result in an unsafe or illegal maneuver, if you would be placed in an unsafe situation, or if you would be directed into an area that you consider unsafe. The driver is ultimately responsible for the safe operation of the vehicle and must evaluate whether it is safe to follow the suggested directions.

Potential map inaccuracy

Maps used by this system may be inaccurate because of changes in roads, traffic controls or driving conditions. Always use good judgment and common sense when following the suggested routes.

Emergency services

Do not rely on any navigation features included in the system to direct you to emergency services. Ask local authorities or an emergency services operator for these locations. Not all emergency services such as police, fire stations, hospitals and clinics are contained in the map database for navigation features.

Use of speech recognition functions

Speech recognition software is inherently a statistical process which is subject to errors. It is your responsibility to monitor any speech recognition functions included in the system and address any errors.

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Disclaimers

- Driving while distracted is dangerous and should be avoided. Drivers should remain attentive to driving and always exercise caution when using the steering-wheelmounted controls while driving.
- Driving while distracted can result in a loss of vehicle control that may lead to an accident, severe personal injury and death. The driver's primary responsibility is in the safe and legal operation of a vehicle, and use of any handheld devices, other equipment or vehicle systems which take the driver's eyes, attention and focus away from the safe operation of a vehicle or that are not permissible by law should never be used during operation of the vehicle.
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- Android Auto: Vehicle user interface is a product of Google and its terms and privacy statements apply. Requires the Android Auto app on Google Play and an Android compatible smartphone running Android™ 5.0 Lollipop or higher. Data plan rates apply.
- Navigation: Distracted driving can result in a loss of vehicle control. When operating a vehicle, never use a vehicle system that takes your focus away from safe vehicle operation. Navigation is for information purposes only, and Kia does not make any warranties about the accuracy of the information.

FCC Certification

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.

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.

Caution: Any changes or modifications to this device not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum 20 cm between the radiator and your body. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter unless authorized to do so by the FCC.