



SORENTO

DIGITAL NAVIGATION SYSTEM
OWNER'S MANUAL

UVO

Infinity

SIRIUS

Bluetooth

HD Radio

MP3

KIA KIA MOTORS

Thank you for purchasing this Audio Navigation System.

This user's manual explains how to use the KIA Motor Audio Navigation 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.

Precaution for safe usage

- 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 which are not permissible by law should never be used during operation of the vehicle.
- Do not operate the Audio Navigation system while driving.
- Do not disassemble, assemble, or modify the Audio Navigation system.
- Do not watch the screen for prolonged periods of time while driving.
- Set the volume to a level which allows the driver to be aware of external conditions.

- Do not operate the Audio Navigation system for prolonged periods of time with the vehicle ignition in ACC. Such operations may lead to battery discharge.
- Be cautious not to spill water or introduce foreign objects into the device.
- Do not cause severe shock to the device. Direct pressure onto the front side of the monitor may cause damage to the LCD or touch panel.
- In case of product malfunction, please contact your place of purchase or service center.
- When cleaning the touch screen, make sure to turn off the device and use a dry and smooth cloth. Never use tough materials, chemical cloths, or solvents (alcohol, ammonia, benzene, thinners, etc.) as such materials may damage the device panel or cause color and quality deterioration.



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Read the following safety cautions for your safety.

Please read the following safety matters for your safety. This User's Manual describes circumstances that may inflict injury onto drivers and others with the following notations (Warning, Caution, Information, Notice).

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

※ The design and specification of this product may change without prior notification for product improvement.

Notations used within this User's Manual



Safety Warnings

Failure to observe the safety instructions within this category could result in serious injury or death.



Safety Cautions

Failure to observe the safety instructions within this category could result in accident related injuries or damage to the vehicle.



CAUTION

- Information on matters that could potentially lead to injury or vehicle damage/malfunction
 - Information that could lead to higher user safety
-



Information

- Information and tips that provides additional user convenience in using the product
-

NOTICE

- Information on specific features that facilitate proper product use and functional understanding
 - Information on terminology used within this manual
-

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CAUTIONS upon Using SD Cards

Ejecting and Inserting SD Cards

- Ejecting and inserting SD cards while the Navigation system is operating may result in SD Card or System errors. To eject or insert the SD card, first turn off the Navigation system and the vehicle ignition.
- Eject/insert SD cards only to update the navigation system with a new version.
 - ※ When an SD Card with the new version is inserted, then system update will occur automatically

Usage of SD Cards

- The SD Card is formatted to include only MAP and new system update files.
- The SD Card cannot be used to save and play Music.
- Do not add, delete, or format files within the SD Card.

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1 Basic

- Warnings and Cautions
- Key Product Features
- Component Names and Functions
- Starting the System for the First Time

CAR AVN SYSTEM

Warnings and Cautions

Safety Warnings

- ❑ Even when receiving route guidance from the Navigation system, please abide by actual traffic and road regulations. Following only the Navigation route guidance may lead to violations of actual traffic and road regulations and lead to traffic accidents.
- ❑ Do not stare at the screen while driving. Staring at the screen for prolonged periods of time could lead to traffic accidents.
- ❑ Do not operate the Navigation system while driving, such as entering POIs or conducting route searches. Such acts could lead to accidents, fire, or electric shock. Park the vehicle before operating the device.
- ❑ Do not disassemble, assemble, or modify the Navigation system. Such acts could result in accidents, fire, or electric shock.
- ❑ Heed caution not to spill water or introduce foreign objects into the device. Such acts could lead to smoke, fire, or product malfunction.
- ❑ Please refrain from use if the screen is blank or no sound can be heard as these signs may indicate product malfunction. Continued use in such conditions could lead to accidents (fires, electric shock) or product malfunctions.
- ❑ Do not touch the antenna during thunder or lightening as such acts may lead to lightning induced electric shock.
- ❑ Do not stop or park in parking-restricted areas to operate the product. Such acts could lead to traffic accidents.
- ❑ For most Audio and multimedia modes, the display will not operate when the vehicle is in motion. For your safety, first park the vehicle to watch or view the screen. (The screen will operate when the parking brake is set to ON for manual transmission vehicles and when set to P or Parking Brake On state for auto transmission vehicles.)

Safety Cautions

Pay attention to traffic conditions while driving.

- ❑ In some instances, the navigation may provide guidance through restricted areas.
- ❑ Operating the device while driving could lead to accidents due to a lack of attention to external surroundings. First park the vehicle before operating the device. In addition, the touch screen may not work for some functions when the vehicle is in motion. The touch screen feature will be supported once the vehicle has stopped.
- ❑ Adjust the volume to levels that allow the driver to hear sounds from outside of the vehicle. Driving in a state where external sounds cannot be heard may lead to accidents.
- ❑ Pay attention to the volume setting when turning the device on. A sudden output of extreme volume upon turning the device on could lead to hearing impairment. (Adjust the volume to a suitable levels before turning off the device.)
- ❑ If you want to change the position of device installation, please inquire with your place of purchase or service maintenance center.
- ❑ Technical expertise is required to install or disassemble the device.
- ❑ Turn on the car ignition before using this device. Do not operate the Navigation system for long periods of time with the ignition turned off as such operations may lead to battery discharge.
- ❑ Upon using the Navigation system for more than 10 minutes with the car engine turned off, the following warning will be displayed. After 10 minutes, the warning will be displayed for 3 seconds every 1 minute.
- ❑ Do not subject the device to severe shock or impact. Direct pressure onto the front side of the monitor may cause damage to the LCD or touch screen.
- ❑ When cleaning the device, make sure to turn off the device and use a dry and smooth cloth.
- ❑ Never use tough materials, chemical cloths, or solvents(alcohol, benzene, thinners, etc.) as such materials may damage the device panel or cause color/quality deterioration.
- ❑ When experiencing product malfunctions, inquire with your place of purchase or service maintenance center.

Key Product Features

This device is an Audio Navigation system equipped with a multifunctional disc player that supports Radio (FM1, FM2, AM), HD Radio technology, SIRIUS, Audio CD, MP3, USB, iPod, Audio AUX, and My Music features. The WIDE VGA LCD provides a high quality resolution while the powerful and rich sound system adds to the driving enjoyment.

Display	Wide TFT-LCD Display • Provides high quality sound and video through a Wide TFT-LCD Display using an LED Back Light • Touch screen for maximum user convenience
Radio	Digital Tuner Feature • Digital Tuner using PPL method that supports memory of 6 broadcast stations for each AM, FM1, and FM2 modes Integrated Antenna (RADIO+NAVI) • Outstanding reception via integrated antenna with high sensitivity Radio broadcast station name • Displays broadcast station names for key locations HD Radio/Satellite Radio feature • Supports HD Radio reception and Satellite Radio (SIRIUS)
Multimedia Player	Support for various Media Formats • Support for various media formats, including Radio, audio MP3 CD, USB, iPod and AUX • Supports USB, iPod, and Bluetooth® Audio Streaming modes My Music • Supports copying of music stored within USB or iPod devices into My Music (internal memory) mode USB Image • Copy to view and save images saved in USB devices

Navigation	Voice Guidance • Voice route guidance to safely and conveniently reach set destinations • Various map scales that enables drivers to accurately view map and surrounding areas Automatic Correction for Current Location • Automatically corrects current position using map matching and GPS information
Miscellaneous	Bluetooth® Wireless Technology • Convenient use of Bluetooth® Handsfree by using buttons within the steering wheel remote controller Digital Screen Control Features • Easy control of features through touch screen options Steering Wheel Remote Controller • Control over audio features, voice recognition and Bluetooth® through the steering wheel remote controller for maximum convenience

Component Names and Functions

Head Unit



Name	Description
1 ● PWR key ● VOL Knob	• When power is off, press to turn power on • When power is on, press and hold (over 0.8 seconds) to turn power off • When power is on, press shortly (under 0.8 seconds) to turn Audio off • Turn left/right to control volume
2 FM/AM	• Converts to FM/AM mode • Each time the key is pressed, the mode is changed in order of FM1 → FM2 → AM → FM1
3 SAT	Converts to SIRIUS mode • Each time the key is pressed, the mode is changed in order of SIRIUS1 → SIRIUS2 → SIRIUS3 → SIRIUS1
4 ∇ SEEK TRACK ∆	When key is pressed shortly. (under 0.8 seconds) • In FM/AM mode, plays previous/next frequency • In SIRIUS mode, plays the previous/next channel • In CD/MP3/USB/iPod/My Music modes, changes the track, file or chapter When key is pressed and held. (over 0.8 seconds) • In FM/AM mode, continuously changes the frequency until the key is released and plays the current frequency • In SIRIUS mode, continuously changes the channel until the key is released and plays the current channel • In CD/MP3/USB/iPod/My Music modes, rewinds or fast-forwards the track or file
5 PHONE	Takes user to home phone screen



Name	Description
6 MEDIA	- Displays CD, MP3, USB, iPod, AUX, Bluetooth® Audio Streaming, My Music modes - If the media is not connected or a disc is not inserted, corresponding modes will be disabled
7 MAP VOICE	Displays the map for the current position
8 DEST	Displays the Destination setup menu
9 ROUTE	Displays Route menu screen
10 i ⚙	Displays the Setup mode
11 TUNE key	- In FM/AM mode, changes the frequency - In SIRIUS mode, changes the channel - In CD, MP3, USB, iPod, My Music modes, changes the track, file or chapter
12	Press to insert or eject disc
13 RESET	Resets the system
14	SD Card insert slot

Component Names and Functions

Steering Wheel Remote Controller



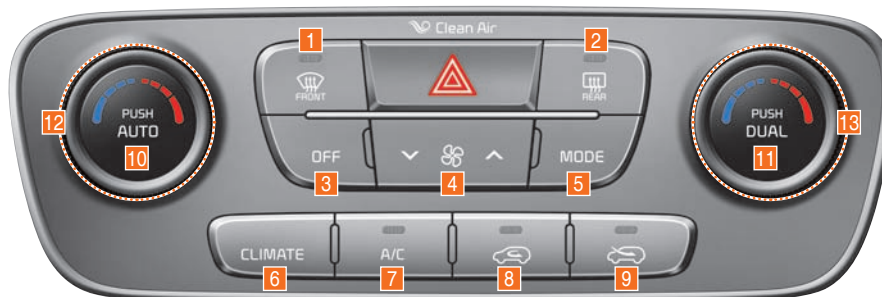
Name	Description
1 VOL+ VOL-	Controls the volume
2 MUTE	Mutes the sound
3 ^ v	When keys are pressed shortly. (under 0.8 seconds) • In FM/AM mode, searches broadcast frequencies saved to Presets • In SIRIUS modes, searches broadcast channels saved to Presets • In CD/MP3/USB/iPod/My Music modes, changes the track, file or chapter When keys are pressed and held. (over 0.8 seconds) • In FM/AM mode, automatically searches broadcast frequencies and channels • In SIRIUS modes, automatically searches broadcast channels • In CD/MP3/USB/iPod/My Music modes, rewinds or fast forwards the track or file
4 MODE	• Each time this key is pressed, the mode is changed in order of FM1 → FM2 → AM → SIRIUS1 → SIRIUS2 → SIRIUS3 → USB or iPod → AUX → Bluetooth® Audio → My Music • If the media is not connected or a disc is not inserted, corresponding modes will be disabled • Press and hold the key (over 0.8 seconds) to turn the Audio system on/off • When power is off, press the key to turn power back on



Name	Description
5 	When pressed shortly. (under 0.8 seconds) • Activates voice recognition When pressed and held. (over 0.8 seconds) • Ends voice recognition
6 	When pressed shortly. (under 1.2 seconds) • When pressed in the phone screen, displays call history screen • When pressed in the dial screen, makes a call • When pressed in the incoming call screen, answers the call • When pressed during call waiting, switches to waiting call (Call Waiting) When pressed and held. (over 1.2 seconds) • When pressed in the Bluetooth® Handsfree wait mode, redials the last call • When pressed during a Bluetooth® Handsfree call, switches call back to mobile phone (Private) • When pressed while calling on the mobile phone, switches call back to Bluetooth® Handsfree (Operates only when Bluetooth® Handsfree is connected)
7 	When pressed during a call, ends the phone call When pressed in the incoming call screen, rejects the call

Component Names and Functions

Climate System



Name	Description
1	Removes humidity and frost by blowing fan towards the front window
2	The side mirror and rear window defroster is turned on/off
3 OFF	Turns the climate system off
4	Sets the fan level
5 MODE	Sets the fan direction
6 CLIMATE	Displays the climate info screen
7 A/C	Turns the air conditioner on/off

Name	Description
8	Switches the air intake mode to recirculation
9	Switches the air intake mode to outside air
10 AUTO	Operates auto temperature mode to maintain cabin temperature at suitable levels relative to outside temperature
11 DUAL	Turns DUAL mode on/off Upon turning on DUAL, the driver-side and passenger-side temperature can be operated independently
12 TEMP	Controls the driver-side temperature
13 Passenger Temp	Controls the passenger-side temperature

Starting the System for the First Time

Turning the System On/Off

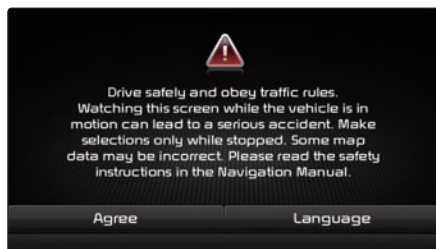
Turning the System On

If the engine start button is pressed without pressing the brakes, then the ACC and system will turn on.

Once the system is turned on, the booting process will start and the safety warning page is displayed.

Pressing the  PWR key on the head unit will display the safety warning page.

Press the  button to display the most recent mode.



To change the system language between Korean, English, Français, and Español press the  button.

Information

- No operations are supported while the system is booting. Some time may be required until all features are ready for use.

CAUTION

- The safety warning page is displayed every time the ignition is turned on. The displayed warnings are related to safety, please closely read and comply with the safety warnings.

Turning the System Off

Press the engine start button again or press and hold the  PWR key on the system to turn the system off.

Information

- If the system is turned off while the Handsfree is being used, then the call will automatically switch back to the mobile phone.
- ADM (Accessory Delay Mode) refers to a state in which the navigation system will remain turned on for continued use up to a certain amount of time even if the vehicle ignition is set to ACC OFF state.
- The navigation system will automatically turn off if more than 3 minutes has passed in ACC OFF state or the driver-side door is opened.
- While ADM is operating, it is possible to manually turn off the system power.

CAUTION

- Pay attention to the volume setting when turning the device on. Adjust the volume to a suitable level before turning off the device.

Resetting the System

This feature is used to reset the system in the occurrence of an unforeseen error or problem.



Press and hold the RESET key. (about 1 second)
(The use of a clip or pin is recommended when resetting the system.)

NOTICE

- Upon resetting the system, saved data and settings information (volume and display settings) will be restored back to the default factory state. Such are not indications of malfunctions.

Battery Warning Message

Use the system only when the engine is running. If the system is turned on with the engine off, then the following warning will be displayed.



This message will automatically disappear once the engine is turned on.

CAUTION

- Using the system for prolonged periods of time without the engine running may result in battery discharge.

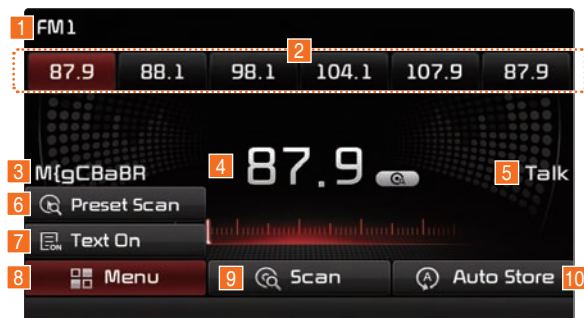
2 Audio

- FM/AM Mode
- HD Radio™ Mode
- SIRIUS Mode
- About DISC
- CD Mode
- MP3 CD Mode
- USB Mode
- iPod Mode
- AUX Mode
- Bluetooth® Audio Mode
- My Music Mode

CAR AVN SYSTEM

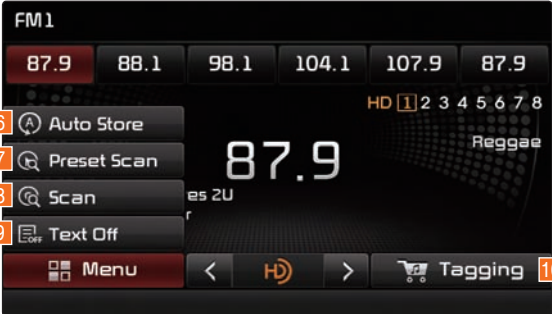
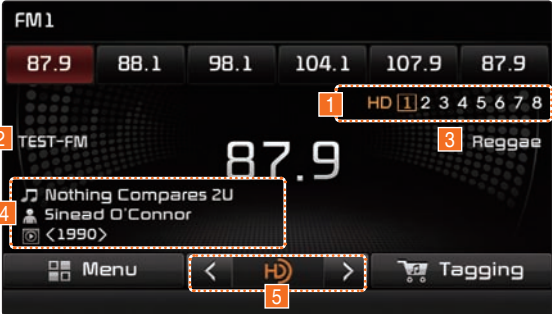
FM/AM Mode

Basic Mode Screen (HD Radio™ reception OFF)



Name	Description
1 Mode Display	Displays currently operating mode
2 Preset	Shows saved presets for user selection
3 Broadcast station	Displays the current broadcast station name
4 Frequency	Displays the current frequency
5 Genre Display	Displays the current genre
6 Preset Scan	Plays preset frequencies for 5 seconds each
7 Text On (Text Off)	Turns the Radio Text information on and off
8 Menu	Displays Preset Scan and Text On (Text Off) menus
9 Scan	Plays frequencies with superior reception for 5 seconds each
10 Auto Store	Saves frequencies with superior reception to Preset buttons

Basic Mode Screen (HD Radio™ reception ON)



Name	Description
1 HD Radio Reception	Displays main HD Radio channels
2 Broadcast Station	Displays the current broadcast station
3 Genre	Displays the current broadcast genre
4 Broadcast Info	Displays detailed information about the current broadcast
5 Selection buttons	Used to select the previous/next HD Radio broadcast channel
6 Auto Store	Saves frequencies with superior reception to Preset buttons
7 Preset Scan	Plays preset frequencies for 5 seconds each
8 Scan	Plays frequencies with superior reception for 5 seconds each
9 Text On (Text Off)	- When pressed, shows detailed information about the current broadcast - When pressed again, detailed information is turned off
10 Tagging	- Used to save song information for the currently playing broadcast - Upon connecting an iPod, song information is transferred to the iPod and can be downloaded through iTunes

FM/AM Mode

Starting Mode

Press the **FM/AM** key to change the mode in order of FM1 → FM2 → AM.



When the power is OFF, pressing the **FM/AM** key will turn the power on and play a radio broadcast.

Using SEEK

Press the **SEEK** , **TRACK** key to automatically search for frequencies.

- Shortly press the key (under 0.8 seconds) :
Plays previous/next frequency.
- Press and hold the key (over 0.8 seconds) :
Changes the frequency while pressed and receives the next frequency upon release.

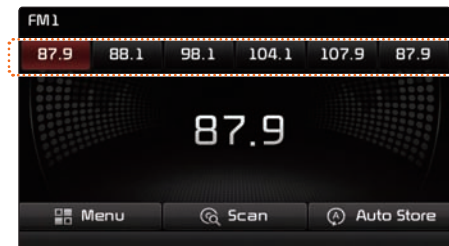
Using TUNE

Turn the **TUNE** knob left/right to select the frequency.



- FM1/FM2 : Increases/decreases by 200kHz
- AM : Increases/decreases by 10kHz

Selecting Presets



From the 6 presets, select the frequency you want to listen to.

Information

- You can save up to 6 preset channels each for FM1, FM2 and AM.

Saving Radio Frequency



Saving Manually

After selecting frequency ► Press and hold (over 0.8 seconds) the preset button.

A 'beep' will sound and the frequency is saved to the selected preset button.

Saving Automatically

Press the **Auto Store** to automatically save receivable frequencies to Preset buttons.

A total of 18 frequencies with six preset frequencies each for FM1/FM2/AM modes can be saved.

i Information

- While Auto Store is operating, pressing the **Auto Store** button again will cancel the function and play the previous frequency.

Scanning Radio Frequency

Press the **Scan** button to scan all radio frequencies.



Starting from the current frequency, frequencies with superior reception are scanned for 5 seconds and the previous frequency is restored.

FM/AM Mode

Using the Menu Buttons

Press the **Menu** button to use the Preset Scan menu.



Preset Scan

Press the **Menu** button ► Press **Preset Scan**.

Frequencies saved to the 6 preset buttons are each played for 5 seconds and the previous frequency is restored.

Text On/Text Off

Press the **Menu** button ► Press **Text On**.

The Text feature is turned on/off.

- If the **Text On** button is displayed (Text off state), information will not be displayed even if there is information being transmitted from the broadcast station.
- If the **Text Off** button is displayed (Text on state), then broadcast information will be displayed. Information may not be displayed if there is no information being transmitted from the broadcast station.

HD Radio™ Mode

About HD Radio™ Technology



Program Service Data :

Contributes to the superior user experience of HD Radio Technology. Presents song name, artist, station IDs, HD2/HD3 Channel Guide, and other relevant data streams.



Adjacent traditional main stations are extra local FM channels. These HD2/HD3 Channels provide new, original music as well as deep cuts into traditional genre.



Digital, CD-quality sound. HD Radio Technology enables local radio stations to broadcast a clean digital signal. AM sounds like today's FM and FM sounds like a CD.



iTunes® Tagging provides you the opportunity to discover a wide range of content and the means to “tag” that content for later review and purchase from the iTunes® Store. Also refer to the Apple Automotive specifications for implementing iTunes® Tagging.

HD Radio™ Mode

Starting Mode

Press the **FM/AM** key to turn on Radio mode.



If an HD Radio™ broadcast is received, the radio mode will switch from analog broadcast to HD Radio™ broadcast.

i Information

- The HD Radio™ screen is displayed only when a HD Radio™ broadcast is being received.
- To ensure HD Radio™ stations are received, turn the feature on at **i** key ► **HD Radio**.

Operating HD Radio™ Mode

Selecting a Frequency



As HD Radio™ reception is included within Radio mode, the methods of moving between channels, saving presets, searching, or methods of searching frequencies are identical. However, while the HD Radio™ related icon display will become active when within regions where an HD Radio™ signal can be received.

Using TUNE

Turn the TUNE knob left/right to select the frequency.



Selecting through Preset



From the 6 presets, select the HD Radio™ broadcast you want to listen to.

i Information

- For HD Radio™ broadcast channels without sub channels, sub channels will be skipped and only main channels will be received.

Song-Tagging

The song tagging feature provides a way to capture broadcasted song information from the radio for future purchase in iTunes.

Upon connection of an Apple audio playback device, the "tagged songs" will be transferred to your iTunes account in your Tagged songs folder.

i Information

- Up to 50 songs can be saved if an iPod device is not connected.
- Song data can be transferred to an iPod only if there is available space within the device.

HD Radio™ Digital Broadcast On/Off

Press the **i** key ► Press the ► **HD Radio** ► Press **On** / **Off** .



HD Radio™ Broadcasts can be turned On and Off for HD Radio™ FM and AM mode.

SIRIUS Mode

Basic Mode Screen



Name	Description
1 Mode Display	Displays currently operating mode
2 Preset	The desired frequency can be saved as a preset and selected
3 SIRIUS Logo	Display the SIRIUS logo
4 Channel Number	Displays the current channel number
5 Category mode indicator	Displays the category mode in orange
6 Channel mode indicator	Displays the channel mode in orange
7 Setting Display	Displays the indicator if Scan/Preset Scan is operating
8 Category name	Displays the category name
9 Channel name	Displays the channel
10 Title name	Displays the title name
11 Artist name	Displays the artist name
12 Composer name	Displays the composer name
13 Search	Used to search for channels by entering channel numbers
14 Preset Scan	Plays preset frequencies for 10 seconds each
15 Scan	Plays all receivable channels for 10 seconds each
16 Menu	Displays Search, Preset Scan and Scan menus
17 Category Selection Buttons	Used to select the previous/next category
18 List	Displays SIRIUS Radio Categories/Channel Lists

Starting Mode

Press the **SAT** key to change the mode in order of SIRIUS1 → SIRIUS2 → SIRIUS3.



When the power is OFF, pressing the **SAT** key will turn the power on and play an SIRIUS Radio broadcast.

Using SEEK

Press the **SEEK**, **TRACK ^** key on the control panel for under 0.8 seconds.

The previous or next channel will be selected.

i Information

- Within category mode, channels within the current category will be played.
- Within channel mode, all channels in all categories will be played.
- If no operation for 5 seconds during category mode, it goes back to the channel mode automatically.

Using TUNE

Turn the **TUNE** knob left/right to display the previous or next channel information.



After a brief moment, the selected channel will be displayed.

Selecting Presets

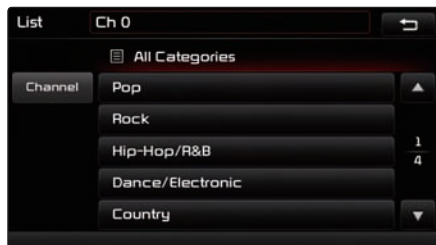


From the 6 presets, select the channel you want to listen to.

SIRIUS Mode

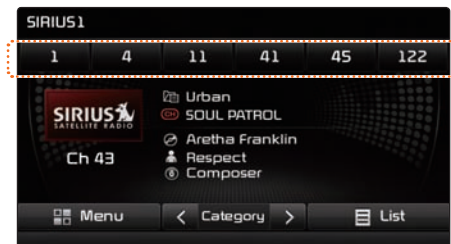
Selecting through Channel/Cat-egory List

Press the **List** button ► Select the desired category and channel.



Select the desired category and the channel. Once selected, the previous screen will be restored and the selected channel will begin playing.

Saving SIRIUS Channels



Saving Manually

After selecting channel ► Press and hold (over 0.8 seconds) the preset button.

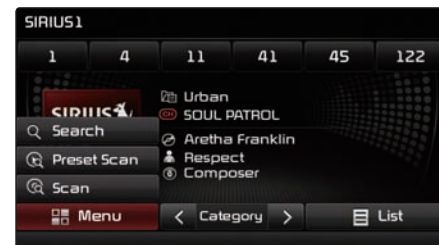
A confirmation 'beep' will be heard and the channel will be saved to the selected preset button.

i Information

- Six preset frequencies each for SIRIUS1/ SIRIUS2/SIRIUS3 modes can be stored using the above instructions.

Using the Menu Buttons

Press the **Menu** button to use the Search, Preset Scan, and Scan menus.



Search

Press the **Menu** button ► Press **Search** ► Enter numbers and press **Done** .



Enter the number of the channel you want to receive.

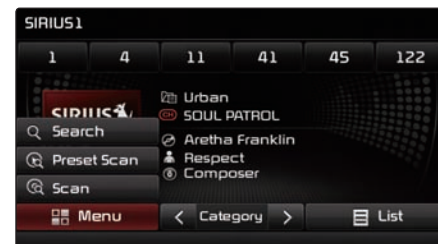
Preset Scan

Press the **Menu** button ► Press **Preset Scan** .

Channels saved to the 6 preset buttons are each played for 10 seconds and then the previous channel is restored.

Scan

Press the **Scan** button to scan all channels.



Starting from the current channel, channels with superior reception are scanned for 10 seconds and the previous channel is restored once scanning is complete.

About Disc

Precautions upon Handling Discs

- ❑ After using a disc, put the disc back in its original case to prevent disc scratches.
- ❑ Do not use abnormally shaped discs (8cm, heart-shaped, octagon-shaped) as such discs could lead to malfunctions.
- ❑ Do not clean discs with chemical solutions, such as record sprays, antistatic sprays, antistatic liquids, benzene, or thinners.
- ❑ Do not expose the disc to direct sunlight or high temperatures for prolonged periods of time. Such exposure may lead to disc deformation.
- ❑ Upon playing a disc contaminated by dirt or other substances, the sound quality may deteriorate and result in skipping sounds. Writing on either side of the disc could result in damage to disc surfaces.
- ❑ Clean fingerprints and dust off the disc surface (coated side) with a soft cloth.
- ❑ Copy-protected CDs, such as S-type CDs, may not properly operate in the device. DATA CDs cannot be played. (However, such discs may still abnormally operate.)
- ❑ Do not disassemble the device. Contact a designated service center in case of malfunction. (Complete after service assistance will not be provided if the user disassembles the device.)
- ❑ Do not use water to clean the device. Exposure to water could lead to product malfunction.
- ❑ Do not to introduce foreign substances into the disc insert/eject slot. Introducing foreign substances could damage the device interior.
- ❑ The device may fail to properly operate in extremely hot or cold temperatures. (The operating temperature range is : 14°F ~ 150°F)
- ❑ Steam can become condensed on the fiber-optic lens due to rain, wet conditions, or upon operating the heating system. In such cases, discs may not be properly recognized. Remove the disc and wait until the moisture dries.
- ❑ Skipping may occur during audio play when driving on bumpy roads for prolonged periods of time or upon severe shock to the vehicle. In case of severe shock, audio may not properly play.

Supported Disc Formats

This device supports the following disc formats.

Disc Type

Disc Type	Disc Format	Device Support
CD	3inch (8cm)	X
	5inch (12cm)	○
	CD	○
	CD-R	○ (Read Only)
	CD-RW	○ (Read Only)
	Multisession-CD	○ (Read Only)
SACD	SACD	X
	(Single, SACD layer)	
	SACD (Hybrid)	X (Only CD layer)

Disc Format

Disc Type	Disc Format	Device Support
CD	CD-DA	○
	MP3	○
	WMA	○
	MPEG4 AAC	X
	DTS-CD	○
	CD-ROM	○
	CD-G	X
	CD-EXTRA	○
	CD-TEXT	○

Disc/Content Format Compatibility

By Format according to Disc Type

Disc Type	Disc Format	Device Support
CD	LPCM	○
MP3	MPEG1, Layer3	○
	MPEG2, Layer3	○
	MPEG2.5	○
WMA	Ver9	○

Ordinary Disc Compatibility

This device has been designed/ manufactured to be compatible with software bearing the following logo marks.



Audio-CD

- CD-R/RW discs (Audio CD) created with CD recording devices or PCs may not properly operate in the device. This is a result of various causes, including disc format, recording method, and contamination to the disc or lens.

CD-R/RW Compatibility

- This device supports CD-R, CD-RW, and MP3 discs burned in Audio CD formats.
- The recording of CD-R and CD-RW discs with this device is not supported.
- CD-R/RW discs recorded as audio CDs that were not finalized are not supported by this device.

PC-created Disc Compatibility

- When burning a disc on a PC, the disc may not operate in this device depending on the software settings. In such cases, inquire with the software manufacturer.
- Additional information regarding compatibility is displayed on the CD-R/RW software disc box.
- DVD-R/W discs are not compatible with this device.

Cautions upon Writing CDs

- When a multi-session disc is being recorded, make sure to close the session before recording.
- If MP3/WMA file extensions are changed, such could result in malfunctions.
- In the case of MP3/WMA, write using only English. (Other languages are not supported)
- Unauthorized use of copy-protected music files is prohibited by law.
- Prolonged use of CD-R/CD-RW products that do not satisfy related specifications may result in product malfunction.
- When writing CDs, low-speed writing is recommended.

Compressed Audio Compatibility

- Physical formats of CD : Model 1, Model 2 XA format 1.
- This device supports audio file compressed through MPEG-1 audio stream layer 3 (MP3) using 8kbps ~ 320kbps. (CBR or VBR)
- For stable operation, the use of files in 95kbps~192kbps bit rate range and 44.1kHz SAMPLING frequency is recommended.
- This device supports WMA audio files using 20kbps ~ 320kbps. (CBR or VBR)
- Variable bit rate files may operate, but the play time information may not be properly displayed.
- This device only supports tracks with file extension of ".mp3" or ".wma".
- This device does not support multisession discs.
- This device supports only 8 layer folders.

- This device supports MP3 ID3 tag versions of Ver. 1.0, Ver. 1.1, Ver. 2.2, Ver. 2.3, Ver. 2.4. When using discs with other versions, the ID3 info will not be displayed.
- Although this device has been designed to be compatible with various bit rates, playing low bit rate MP3 tracks may result in low quality sound.

Before Playing an MP3 Disc

Supported MP3 File Specification

- Acceptable standard: MPEG1 Audio Layer 3.
- Acceptable sampling frequency : 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48(KHz).
- Acceptable bit rate : 8 ~ 320 (Kbps).

Recommended Bit Rates and Frequency

- Sampling frequency : 96 ~ 192 Kbps fixed bit rate/4.1kHz.

NOTICE

- Supported ID3 tags : ID3v1.0, ID3v1.1, ID3v1.2, ID3v2.2, ID3v2.3, ID3v2.4.
- Supported MP3 Media : CD-ROM.
- Supported media formats : ISO9660 LEVEL1 and LEVEL2.

Detailed Specification

- Maximum directory layers : 8 layers.
- Maximum folder length : 64 bytes, file name length: 64 bytes.
- Supported characters for folder name/ file name: Alphanumeric characters, Korean standard character set 2350 characters, Simplified Chinese 4888 characters.
- Maximum number of folders per disc : 256 folders. (including ROOT)
- Maximum number of files per disc : 512 files.

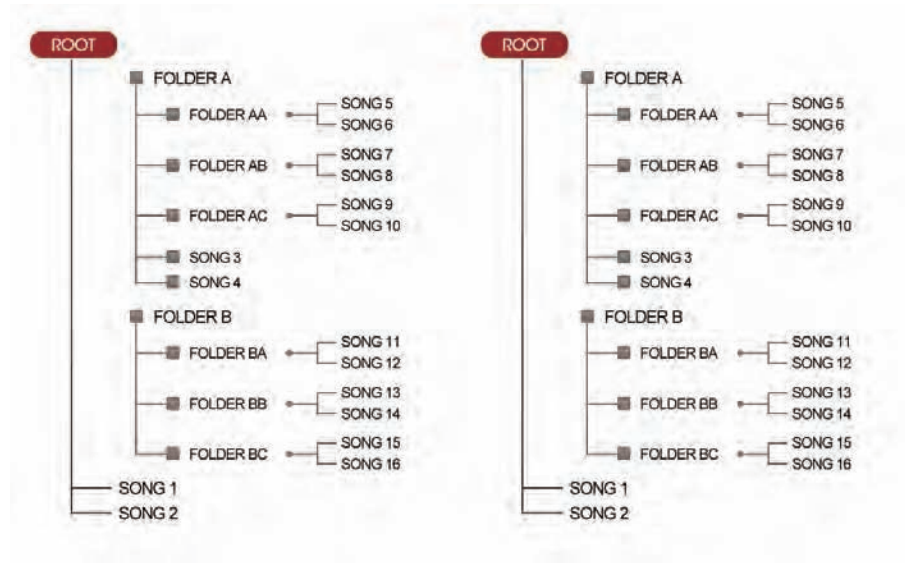
Precautions upon Burning MP3 Files

- The use of ISO 9660 LEVEL 2 JOLIET format is recommended.
- Up to 32 characters in Korean/Chinese are supported for file names and up to 20 characters in Korean/Chinese are supported for folder names.
- The use of CDs exceeding 700MB may result in faulty disc recognition or errors upon play.

Disc

MP3 File Structure

Recognition occurs through the same folder structure used within the disc.

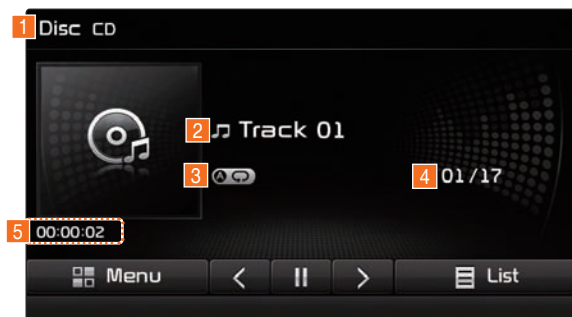


Folder structure as saved in CD-ROM

Folder structure as saved in the system

CD Mode

Basic Mode Screen



Name	description
1 Mode	Displays currently operating mode
2 Track	Track number of current song
3 Repeat/Shuffle/Scan	From Repeat/Shuffle/Scan, displays the currently operating function
4 Track Index	Shows the current track/total tracks
5 Play Time	Displays the current play time
6 Repeat	Repeats the current track
7 Shuffle	Plays disc tracks in random order
8 Scan	Scans the beginning parts of disc tracks (approx. 10 seconds per track)
9 Info Off (Info On)	- Info Off : shows only track info - Info On : shows track info, artist and album info ※ Empty when there is no corresponding information
10 Menu	Displays Repeat, Shuffle, Scan, and Info On (Info Off) menus
11 Artist Info	Displays artist info for current song (Will not be displayed if the information does not exist)
12 Album Info	Displays album info for current song (Will not be displayed if the information does not exist)
13 Previous Track	- When the play time is under 2 seconds : Moves to the previous track - When the play time is over 2 seconds : Plays the current song from the beginning
14 Play/Pause	Plays/pauses the current track
15 Next Track	Moves to the next track
16 List	Moves to the track list screen

CD Mode

Starting Mode

Press the **MEDIA** key ► Press **CD**.



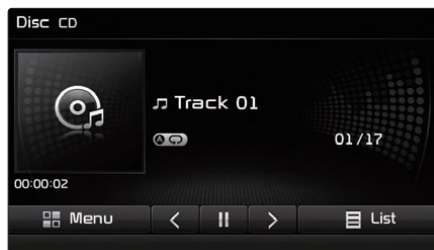
NOTICE

- Only genuine audio CDs are supported. Other discs may result in recognition failure. (e.g. copy CD-R, CDs with labels)

i Information

- CD mode will automatically start once a CD is inserted.

Playing a CD



- Press the **▶** button to play the track.
- Press the **⏸** button to pause the track.

Fast-forwarding or Rewinding CD Tracks

While playing ► Press and hold the **◀SEEK**, **TRACK▶** key. (over 0.8 seconds)



This will rewind or fast-forward the track. While the **◀SEEK**, **TRACK▶** key is being pressed, the track will rewind or fast-forward at 20x speed. Once released, the track will begin playing at normal speed.

Searching CD Tracks

Turn the **TUNE knob** ► Search tracks
► Once the desired track name is displayed, press the **TUNE knob**.



When searching tracks, the track number is displayed in orange. Pressing the **TUNE knob** will play the corresponding track.

i Information

- If the **TUNE knob** is not pressed within 5 seconds of searching tracks, the track info for the current track is restored.

Using the Menu Buttons

Press the **Menu** button to set the repeat, shuffle, scan and Info On/Info Off menus.



Repeat

Press the **Menu** button ► Press **Repeat**.

The current track is repeated.

i Information

- Press the **Repeat** button again to turn off repeat. If nothing is selected, then all tracks will be played in sequential order.

Shuffle

Press the **Menu** button ► Press **Shuffle**.

Tracks within the disc are played in random order.

i Information

- Press the **Shuffle** button again to turn the shuffle option off.

CD Mode

Scan

Press the  **Menu** button ► Press  **Scan** .

The beginning (approx. 10 seconds) of all tracks within the CD are scanned.

Information

- Press the  **Scan** button again to turn the scan option off.

Info On/Info Off

Press the  **Menu** button ► Press  **Info On** .

The amount of information displayed on the screen can be selected. When the title, artist, and album info are displayed, the button will automatically change to  **Info Off** .

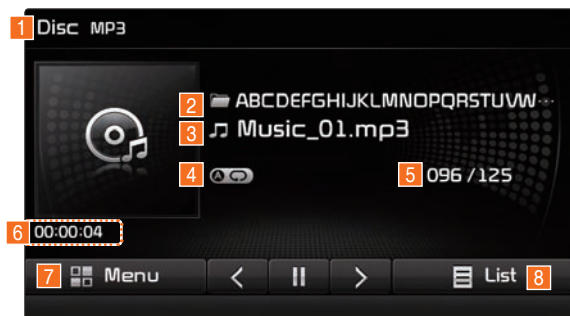
Press  **Info Off** to restore the previous information display setting.

Information

- Artist/album info is supported within Text CDs.
-

MP3 CD Mode

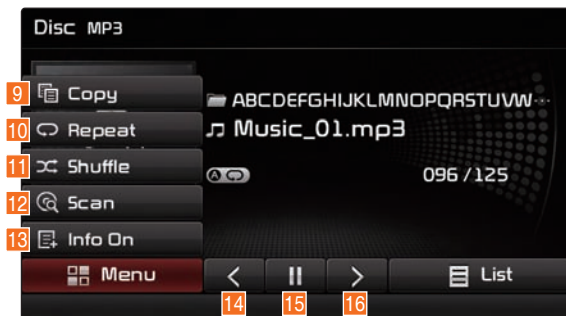
Basic Mode Screen



Name	Description
1 Mode	Displays currently operating mode
2 Folder Name	Displays folder name for current file
3 File Name	Displays the name of the current file
4 Repeat/Shuffle/Scan	From Repeat/Shuffle/Scan, displays the currently operating function
5 File Index	Shows the current MP3 file/total number of MP3 files
6 Play Time	Displays the current play time
7 Menu	Displays Copy, Repeat, Shuffle, Scan and Info On (Info Off) menus
8 List	Moves to the list screen

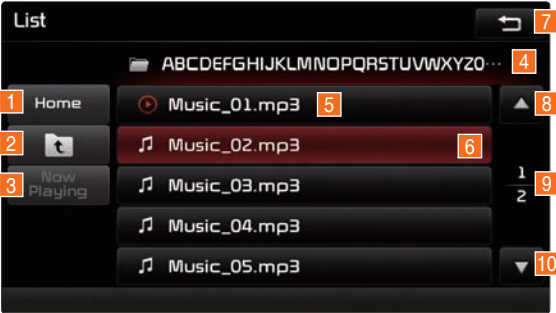
MP3 CD Mode

Basic Mode Screen



Name	Description
9 Copy	Copies the currently playing file into My Music
10 Repeat	Repeats the current file
11 Shuffle	Plays files in random order
12 Scan	Scans the beginning parts of MP3 files (approx. 10 seconds per file)
13 Info Off (Info On)	Changes the display method between Info Off/Info On - Info Off : shows folder name/file name - Info On : shows folder name, file name, title, artist, and album info
14 Previous file	- When the play time is under 2 seconds : Moves to the previous file - When the play time is over 2 seconds : Plays the current file from the beginning
15 Play/Pause	Plays/pauses the current file
16 Next file	Moves to the next file

List Menu Screen



Name	Description
1 Home Folder	Moves to home folder
2 Parent Folder	Moves to the parent folder
3 Now Playing	When moving to a different list screen, moves to the list page where the current file is located (Becomes disabled when the current list includes the current file)
4 Folder Name	Folder name of current list
5 Current Song	Shows current playing file name
6 List Focus	Creates focus upon operating Tune
7 Back button	Converts to basic mode screen
8 Previous list	Moves to the previous list
9 List page	Shows current file list page/total number of pages
10 Next list	Moves to the next list

MP3 CD Mode

Starting Mode

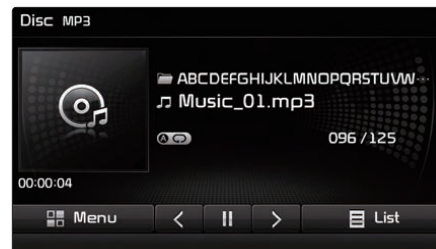
Press the **MEDIA** key ► Press **MP3** .



i Information

- MP3 mode automatically starts when an MP3 disc is inserted.
- If there are numerous songs and folders within the disc, reading time could take more than 10 seconds and the list may not be displayed or song searches may not operate. Once loading is complete, try again.
- Only genuine audio CDs are supported.
- Other discs may result in recognition failure. (e.g. copy CD-R, CDs with labels)

Playing MP3



- Press the **▶** button to play the file.
- Press the **||** button to pause the file.

Selecting MP3 files

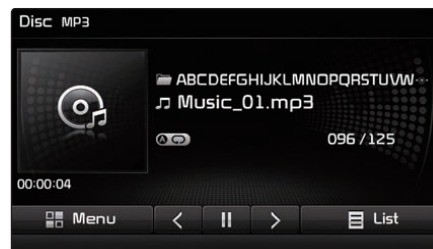
Selecting from the Mode Screen

- Press the **SEEK** , **TRACK** key to select the previous or next file.
- Pressing and holding the **SEEK** , **TRACK** key will rewind or fast-forward the current file.



Using Menus within List Screen

Press the **List** button ► Select the file from the list.



Fast-forwarding or Rewinding MP3 Files

While playing ► Press and hold the **SEEK** , **TRACK** key. (over 0.8 seconds)

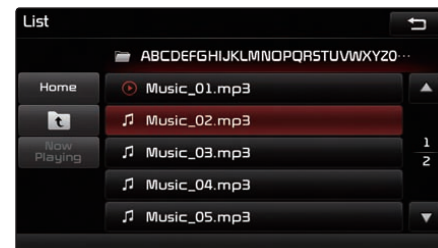
This will rewind or fast-forward the file.

While the **SEEK** , **TRACK** key is being pressed, the file will rewind or fast-forward at 20x speed.

Once released, the file will begin playing at normal speed.

Searching MP3 Files

Turn the **TUNE** knob ► Search files ► Once the desired file name is displayed, press the **TUNE** knob.



When searching files, pressing the **TUNE** knob will play the file highlighted in orange.

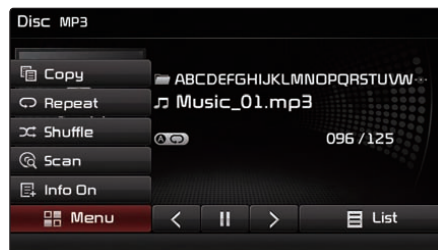
Information

- If there are no operations within 5 seconds, info on the current song will be re-displayed.

MP3 CD Mode

Using the Menu Buttons

Press the **Menu** button to set the copy, repeat, shuffle, scan, and Info On/Off options.



Copy

Press the **Menu** button ► Press **Copy**.

The currently playing file is copied and saved in My Music.

Information

- Copied and saved files can be played within My Music mode.

Repeat

Press the **Menu** button ► Press **Repeat**.

Each time the button is pressed, the option is changed from Repeat Once → Off (Repeat All).

Information

- Repeat Once : repeats the current file.
- Repeat Folder : repeats all files in current folder.

Shuffle

Press the **Menu** button ► Press **Shuffle**.

Each time the button is pressed, the option is changed from Shuffle Folder → Shuffle All → Off (Repeat All).

Information

- Shuffle Folder : plays files in current folder in random order.
- Shuffle All : plays all files in DISC in random order.

Scan

Press the **Menu** button ► Press **Scan**.

Each time the button is pressed, the option is changed from Folder Scan → Scan All → Off (Repeat All).

i Information

- Folder Scan : scans files in current folder.
- Scan All : scans all files in the disc.

Info On/Info Off

Press the **Menu** button ► Press **Info On**.

The amount of information displayed on the screen can be changed.

When the title, artist, and album info are displayed, the button will automatically change to **Info Off**.

Press **Info Off** to restore the previous information display setting.

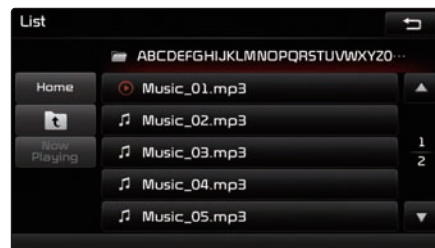
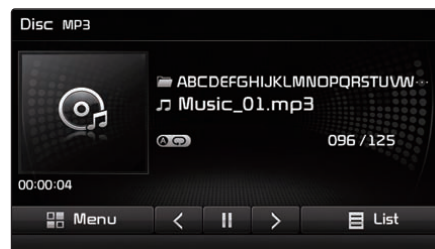
NOTICE

- The title, artist and album info are displayed only when such information is recorded within the MP3 file ID3 tag.

Using Menus within the List Screen

Moving between Lists

Press the **List** button ► Press the **▲**, **▼** buttons.



If five (5) or more files or folders exist in the same folder, the list will be displayed across two or more pages.

Press the **▲**, **▼** cursor buttons to quickly find the desired page.

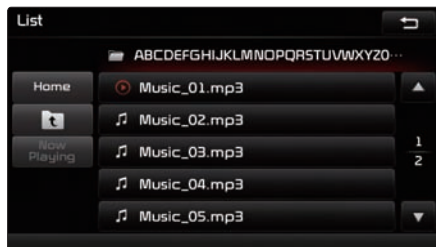
i Information

- A lag may occur in displaying the previous/next list page depending on the file name or file size.

MP3 CD Mode

Moving between Folders

Press the  button ► Select folder from the folder list.



Pressing the  button will move to the folder one level above the current folder.
Pressing the **Home** button folder will move to the root folder.

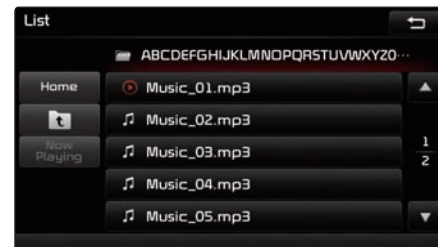
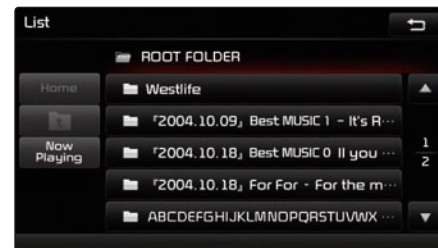
Information

- If there are no more parent folders, both

Home ,  buttons will be disabled.

Returning to Current Location

While searching files within other folders, press the **Now Playing** button to return to the currently playing file screen.



About USB

Before Playing a USB MP3

Connect the USB device after turning on the engine. The USB device may become damaged if it is already connected when the ignition is turned on.

- ❑ Files that are not standard format music/image files will not be played.
- ❑ For MP3/WMA files, only music files with compression rates between 8Kbps ~ 320Kbps can be played.
- ❑ Heed caution to static electricity when connecting/disconnecting external USB devices.
- ❑ Encoded MP3 Players will not be recognized when connected as an external device.
- ❑ When connecting an external USB device, the device may not properly recognize the USB in some states.
- ❑ Only products formatted with byte/sectors under 64Kbyte will be recognized.

- ❑ This device recognizes USB devices formatted in FAT 12/16/32 file formats. This device does not recognize files in NTFS file format.
- ❑ Some USB devices may not be supported due to compatibility issues.
- ❑ Take caution so that the USB connector does not come in contact with body parts or objects.
- ❑ Repeated connecting/disconnecting of USB devices within short periods of time may result in product malfunction.
- ❑ Make sure to connect/disconnect external USB devices with the audio power turned off.
- ❑ The amount of time required to recognize the external USB device may differ depending on the type, size, or file formats stored on the USB. Such differences in required time are not indications of malfunction.
- ❑ The use of USB devices for purposes other than playing music and image files is prohibited.
- ❑ Do not use the USB I/F to charge batteries or USB accessories that generate heat. Such acts may lead to worsened performance or damage to the device.

USB Mode

- ❑ The device may not recognize the USB device if separately purchased USB hubs and extension cables are being used. Connect the USB directly with the multimedia terminal of the vehicle.
- ❑ When using mass storage USB devices with separate logical drives, only files saved to the root drive can be played.
When application programs are installed to specific USBs, files may not properly play.
- ❑ The device may not operate normally if MP3 Players, cellular phones, digital cameras, or other electronic devices (USB devices not recognized as portable disk drives) are connected with the device.
- ❑ Charging through the USB may not work for some mobile devices.
- ❑ The device may not support normal operation when using a USB memory type besides Metal Cover Type USB Memory.
- ❑ The device may not support normal operation when using formats such as HDD Type, CF, or SD Memory.
- ❑ Upon playing iPods, please use a dedicated iPod car cable.
- ❑ Normal operations cannot be guaranteed when other cables are being used.
- ❑ The device will not support files locked by DRM. (Digital Rights Management)

- ❑ USB memory sticks used by connecting an Adaptor (SD Type or CF Type) may not be properly recognized.
Only use Plug type connector products, as shown in the figure below.



Plug Type Connector

Product Name	Manufacturer
XTICK	LG
BMK	BMK Technology
SKY-DRV	Sky Digital
TRANSCEND JetFlash	Transcend
Sandisk Cruzer	SanDisk
Micro ZyRUS	ZyRUS
NEXTIK	Digiworks

i Information

- Problems that occur through use of USB devices not listed within the above table are not covered by the product warranty.

USB MP3 Information and Precautions

Name	Description
MP3 File Specification	Specification : MPEG1 AUDIO LAYER 3
Recommended Bit Rates and Sampling Frequency	Acceptable sampling frequency : 32, 44.1, 48 (KHz)
	Acceptable bit rate : 32, 40, 48, 56, 64, 80, 96, 112, 128, 160, 192, 224, 256, 320 (Kbps)
	96, 128, 192 Kbps fixed bit rate/44.1KHz
ID3 Tag	Supports ID3v1.0 and ID3v1.1, ID3v2.2, ID3v2.3, ID3v2.4 ID3 tags
Detailed Specifications	Maximum directory layers : 20 layers Maximum length of folder name/file name : 255Bytes Supported characters for folder name/file name : Alphanumeric characters, Korean standard character set 2,350 characters, Simplified Chinese 4888 characters Maximum number of folders which can be stored onto one USB : 2000 folders (including ROOT) Maximum number of files which can be stored onto one USB : 8000

i Information

- The sound quality of MP3 files that use bitrates exceeding 192 Kbps cannot be guaranteed. When using files without fixed bit rates, some features (FF/REW features) may not properly operate.

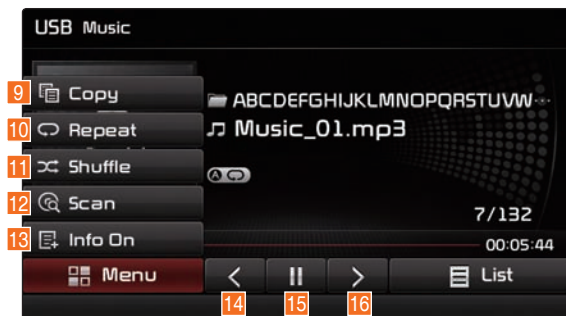
USB Mode

Basic Mode Screen

USB Music Mode



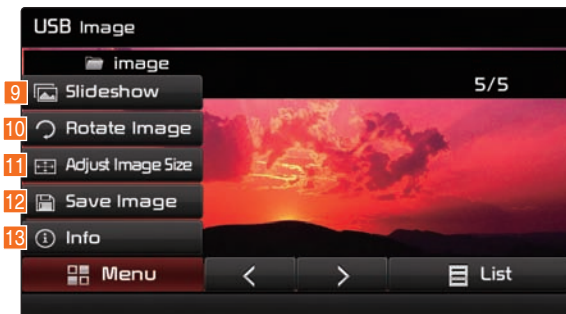
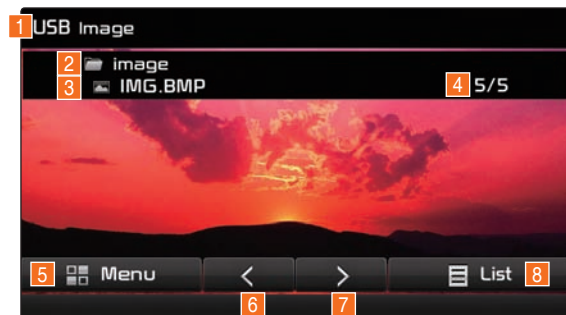
Name	Description
1 Mode	Displays currently operating mode
2 Folder Name	Displays the name of the current folder
3 File Name	Displays the name of the current file
4 Repeat/Shuffle/Scan	From Repeat/Shuffle/Scan, displays the currently operating function
5 Play Time	Displays the current play time/total play time
6 File Index	Shows the current file/total files within the USB
7 Menu	Displays Copy, Repeat, Shuffle, Scan and Info On (Info Off) menus
8 List	Moves to the list screen



Name	Description
9 Copy	Copies the currently playing file into My Music
10 Repeat	Repeats the current file
11 Shuffle	Plays files in random order
12 Scan	Scans the beginning parts of USB files (approx. 10 seconds per file)
13 Info Off (Info On)	- Info Off : shows folder name/file name - Info On : shows folder name, file name, title, artist, and album info
14 Previous File	- When the play time is under 2 seconds : Moves to the previous file - When the play time is over 2 seconds : Plays the current file from the beginning
15 Play/Pause	Plays/pauses the current file
16 Next File	Moves to the next file

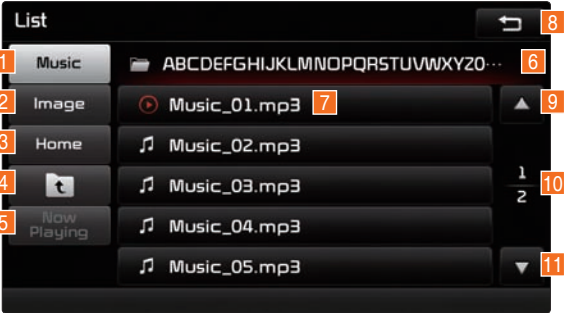
USB Mode

USB Image Mode



Name	Description
1 Mode	Displays currently operating mode
2 Folder Name	Displays folder name where image is located
3 File Name	Name of image file
4 File Index	Shows the current image file/total image files within the USB
5 Menu	Displays Slideshow, Rotate Image, Adjust Image Size, Save Image, and Info menus (Press the button again to hide the buttons)
6 Previous Image	Shows previous image
7 Next Image	Shows next image
8 List	Moves to the list screen
9 Slideshow	View images as slideshow in 5, 10, 20, 30 second intervals
10 Rotate Image	Rotate image in clockwise direction
11 Adjust Image Size	Enlarge/reduce (zoom-in/zoom-out) image size
12 Save Image	Add image as frame screen displayed when the system power is turned off
13 Info	Shows the file name, resolution and file type of current image

Menu List Screen



Name	Description
1 Music	Shows the Music list (Disabled when Music list does not exist)
2 Image	Shows the Image list (Disabled when Image list does not exist)
3 Home Folder	Moves to home folder
4 Parent Folder	Moves to the parent folder
5 Now Playing	When moving to a different list screen, moves to the list page where the current file is located (Becomes disabled when the current list includes the current file)
6 Folder Name	Folder name of current list
7 Current Song	Shows current playing file name
8 Back Button	Converts to basic mode screen
9 Previous List	Moves to the previous list
10 List Page	Shows current file list page/total number of pages
11 Next List	Moves to the next list

USB Mode

Starting USB Music Mode

Press the **MEDIA** key ► Press

 **USB Music** .



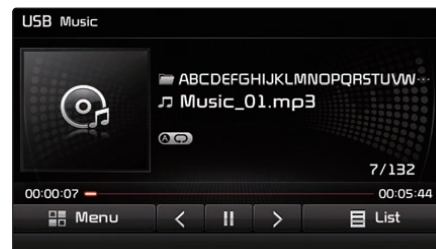
If the USB is not connected, then the

 **USB Music** button will be disabled.

Information

- Once a USB is connected, USB Music mode will operate automatically.
- If a previously played USB is reconnected, then the song after the most recently played song is played. However, if a different USB is connected or the file information within the USB was changed, then the USB file order information is deleted and will start playing from the first song within the USB.

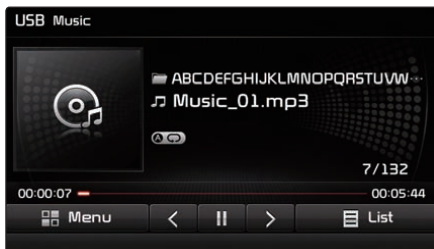
Playing USB Music



- Press the  button to play the USB Music.
- Press the  button to pause USB Music.

Searching USB Music Files

While Playing ► Press the ◀, ▶ buttons or the ▾SEEK, TRACK▲ key to play the previous/next file.



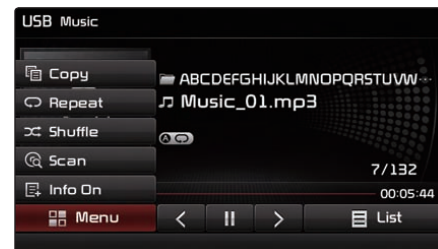
- Pressing and holding the ▾SEEK, TRACK▲ key (over 0.8 seconds) will rewind or fast-forward the current file.
- While the ▾SEEK, TRACK▲ key is being pressed, the track will rewind or fast-forward at high speeds. Once the key is released, the USB Music will begin playing at normal speed.

i Information

- The ◀, ▶ buttons displayed on the screen allow you to select the previous/next file. These buttons will not rewind or fast-forward the file.

Using the Menu Buttons

Press the Menu button to set the Copy, Repeat, Shuffle, Scan, Info On (Info Off) menus.



Copy

Press the Menu button ► Press Copy.

The currently playing file is copied and saved in My Music.

USB Mode

Information

- Copied and saved files can be played within My Music mode.

NOTICE

- Time required to copy files into My Music is approximately 3 seconds per 1 USB MP3 file (4mb), yet this may slightly differ depending on the file size and system conditions.
- Time required to copy files into My Music is approximately 1 minute and 17 seconds per 1 CD MP3 file, yet this may slightly differ depending on the file size and system conditions.
- When copying is in progress, AV, Bluetooth and Voice Recognition features cannot be used.
- When copying is in progress, AV and Bluetooth features cannot be used.

Repeat

Press the  Menu button ► Press

 Repeat .

Each time the button is pressed, the option is changed from Repeat Once → Repeat Folder → Off(Repeat All).

Information

- Repeat Once : Repeats the current file.
- Repeat Folder : Repeats all files in current folder.

Shuffle

Press the  Menu button ► Press

 Shuffle .

Each time the button is pressed, the option is changed from Shuffle Folder → Shuffle All → Off(Repeat All).

Information

- Shuffle Folder : Plays files within the current folder in random order.
- Shuffle All : Plays files within the USB in random order.

Scan

Press the  Menu button ► Press

 Scan .

Each time the button is pressed, the option is changed from Folder Scan → Scan All → Off(Repeat All).

Information

- Folder Scan : Searches files within the current folder.
- Scan All : Scans files within the USB in random order.

Info On/Info Off

Press the **Menu** button ► Press **Info On** .

The screen display can be set differently depending on user selection.

When the title, artist, and album info are displayed, the button is changed to **Info Off** .

Press **Info Off** to restore the previous information display setting.

i Information

- The title, artist, and album info are displayed only when such information is recorded within the MP3 file ID3 tag.

NOTICE

- The title, artist and album info are displayed only when such information is recorded within the MP3 file ID3 tag.
-

Starting USB Image Mode

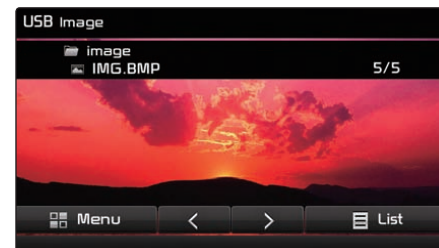
Press the **MEDIA** key ► Press

USB Image .



Searching USB Image Files

While playing ► Press the **<** , **>** buttons to view the previous/next image.



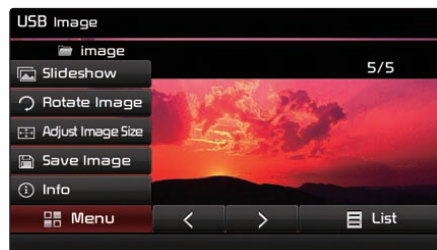
i Information

- Press the **List** button to view the list of USB images.

USB Mode

Using the Menu Buttons

Press the **Menu** button to set the Slideshow, Rotate Image, Adjust Image Size, Save Image and Info menus.



Slideshow Interval

Press the **Menu** button ► Press

Slideshow.

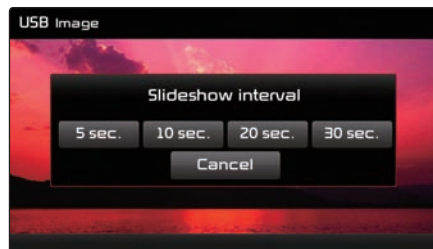
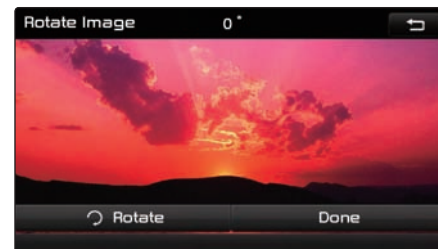


Image slideshow intervals can be set at **5sec**, **10sec**, **20sec**, or **30sec** intervals.

Rotating Image

Press the **Menu** button ► Press

Rotate Image ► Press **Done**.



Each time the **Rotate** button is pressed, the image is rotated from 0° → 90° → 180° → 270° degrees.

i Information

- Rotated images are not saved.
- The image will be restored to its original position when returning to it after viewing a different image.

Adjusting Image Size

Press the **Menu** button ► Press **Adjust Image Size** ► Press **Done** .



Press the **-** , **+** buttons to enlarge or reduce the image size. The scale can be changed to x1/4, x1/2, x1, x2, x4.

i Information

- Enlarged or reduced images are not saved. The image will restore its original size when returning to it after viewing a different image.
- If the image cannot be fully displayed on the screen, touch the image to move the screen.

Saving Image

Press the **Menu** button ► Press **Save Image** .

i Information

- For details on using the picture frame, refer to the Picture Frame Settings within Setup.

Viewing Info

Press the **Menu** button ► Press **Info** .

This menu is used to check image information, such as the image resolution and file type.

iPod Mode

Using iPod Devices

❑ iPod® is a registered trademark of Apple Inc.

❑ iPod mode will not operate if the connected iPod cannot be recognized due to operation of unsupported versions that do not support related protocols, iPod abnormalities, or iPod device defects. Some iPods with unsupported communication protocols may not properly operate with the Navigation system.

❑ For fifth generation iPod Nano devices, the iPod may not be recognized when the battery level is low. Please charge the iPod for use.

❑ Search/play orders shown within the iPod device may differ with the orders shown within the Navigation system.

❑ If the iPod malfunctions due to an iPod device defect, reset the iPod and try again. (To learn more, refer to your iPod manual)

❑ For some iPod Touch and iPhone devices, connecting Bluetooth® while the iPod is operating may result in discontinued iPod sound. When such devices with Bluetooth® support are connected, this problem occurs as the sound source is changed from the Dock Connector (USB connector cable) to Bluebird. (Bluetooth® Module)

❑ To listen to the iPod sound, reconnect the USB cable or exit then re-enter iPod mode.

❑ In order to use the iPod while operating the keys, you must use a dedicated iPod cable. (the cable that is supplied when purchasing iPod/iPhone products)

※ During ACC ON state, connecting the iPod through the iPod cable (The cable that is supplied when purchasing iPod/iPhone product.) will charge the iPod through the head unit.

※ **The use of genuine iPod cables supplied by Apple is recommended. (The use of other products may result in noise or abnormal operation.)**

❑ When connecting with the iPod cable, make sure to fully insert the jack to prevent communication interference. If the iPod is connected to the vehicle while it is playing, a high pitch tone may sound for about 1~2 seconds immediately after connection. If possible, connect the iPod to the vehicle with the iPod stopped/paused.

❑ Within iPhones, streaming audio and iPod control may occasionally conflict. If problems persist, remove the iPhone and connect again.

❑ Some iPod versions may not sync with the system. In such cases, the system may not properly restore the previously operated mode. (For iPads, battery charging is not supported.)

❑ Applications that are not exclusively used as iPod Applications within iPhone/iPod Touch devices are not supported.

Steps upon Initial Connection

Search Steps may differ depending on the type of iPod device.

	1 Step	2 Step	3 Step	4 Step	5 Step
Play List	Play List	Play List name (category is same as iPod)			
Artist	Artist	Artist	Album Name	Song Name	
Album	Album	Album Name	Song Name		
Genre	Genre	Genre Name	Artist Name	Album Name	Song Name
Song	Song	Song Name			
Composer	Composer	Composer Name	Album Name	Song Name	

Supported iPod Devices

- Operation is supported and Apple Inc. certified : ○
- Operation is supported but uncertified : △

Device/ Generation	1st	2st	3st	4st	5st	6st
iPod Mini	Not Supported					
iPod Shuffle	Not Supported					
iPod Nano	○	○	○	○	○	○
iPod Touch	○	○	○	○	Not Released	
iPod Classic	Not Supported				○ (iPod with video)	○ (iPod Classic)
iPad	△	△	△	Not Released		

Device/Type	3GS	4G	4S	5G
iPhone	○	○	△	△

iPod Mode

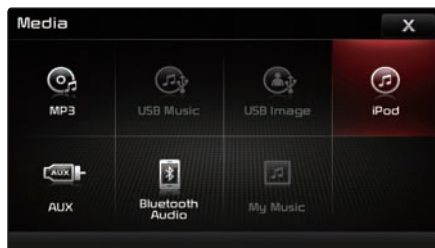
Basic Mode Screen



Name	Description
1 Mode	Displays currently operating mode
2 Title	Displays name of current title
3 Artist Info	Artist name
4 Album Info	Album name
5 Repeat/Shuffle	From Repeat/Shuffle, displays the currently operating function
6 File Index	Shows the current file/total files within the iPod
7 Play Time	Displays the current play time/total play time
8 Repeat	Repeats the currently playing file
9 Shuffle	Plays files in random order
10 Info Off (Info On)	Changes the display method between Info Off/Info On • Info Off : Shows title, artist, and album Info • Info On : Shows title, artist, album, genre, and composer info
11 Menu	Displays Repeat, Shuffle, and Info On (Info Off) menus
12 Previous File	Moves to the previous file
13 Play/Pause	Plays/pauses the current file
14 Next File	Moves to the next file
15 List	Moves to the list screen

Starting Mode

Press the **MEDIA** key ► Press



If the iPod is not connected, then the **iPod** button will be disabled.

i Information

- Once an iPod is connected, iPod mode will operate automatically.

NOTICE

- Some iPods with unsupported communication protocols may not properly operate with the Audio system.

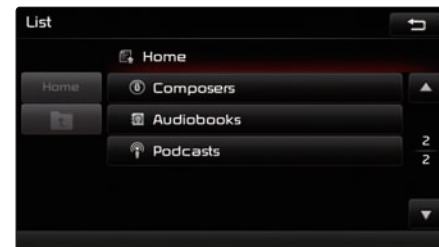
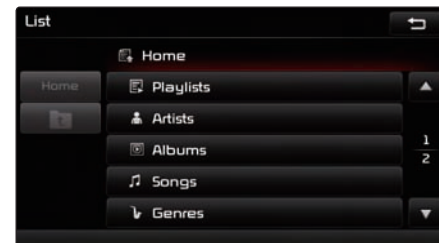
Playing iPod



- Press the **▶** button to play the iPod.
- Press the **⏸** button to pause the iPod.

Searching iPod

Press the **List** button to display the initial iPod list screen.



When searching an iPod, it is possible to search by Playlists, Artists, Albums, Songs, Genres, Composers, Audiobooks, and Podcasts.

iPod Mode

i Information

- If the search mode is accessed while playing a song, the most recent searched step will be displayed. The search steps upon initial connection are listed below.

Selecting iPod Files

While playing ► Press the **<** , **>** buttons or the **▼SEEK** , **TRACK▲** key to play the previous/next file.



Pressing and holding the **▼SEEK** , **TRACK▲** key (over 0.8 seconds) will rewind or fast-forward the current song.

i Information

- While the **▼SEEK** , **TRACK▲** key is being pressed, the track will rewind or fast-forward at high speeds. Once the key is released, the Music will begin playing at normal speed.

Searching iPod Files

Turn the **TUNE knob** ▶ Search files ▶
Once the desired file name is displayed,
press the **TUNE knob**.



When searching files, the file number is displayed in orange. Pressing the **TUNE knob** will play the corresponding file.

i Information

- If there are no operations within 5 seconds, info on the current song will be re-displayed.

Using the Menu Buttons

Press the **Menu** button to set the Repeat, Shuffle, and Info On (Info Off) menus.



Repeat

Press the **Menu** button ▶ Press **Repeat**.

i Information

- The currently playing file is repeated.
- Press the **Repeat** button again to turn off repeat.

Shuffle

Press the **Menu** button ▶ Press **Shuffle**.

i Information

- Each time the **Shuffle** button is pressed, the option is changed from Shuffle Category → Shuffle Album → Off.
- Shuffle Category : Plays files within the current category in random order.
- Shuffle Album : Plays files within the current category in random order.

Info On/Info Off

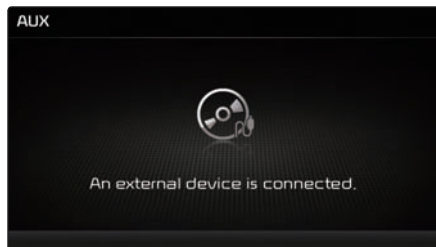
Press the **Menu** button ▶ Press **Info On**.

The screen display can be set differently depending on user selection. When the title, artist, and album info are displayed, the button **Info Off**. Press **Info Off** to restore the previous display setting.

AUX Mode

Starting Mode

Press the **MEDIA** key ► Press **AUX**



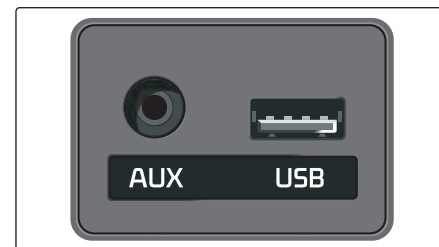
i Information

- If an external device connector is connected with the AUX terminal, then AUX mode will automatically operate. Once the connector is disconnected, the previous mode will be restored.
- AUX mode can be used only when an external audio player (camcorder, car VCR, etc.) has been connected.
- The AUX volume can also be controlled separately through the connected device.

NOTICE

- If only cable connected to the AUX without an external device, the mode changed to AUX, but noise may occur. When an external device is not being used, remove the connector jack.
- When the external device power is connected to the power jack, playing the external device may output noise. In such cases, disconnect the power connection before use.

Connecting an External Device



External AUDIO players can be played through a dedicated cable. The position of the AUX jack is at the top of the gear box located between the driver and passenger seats.

i Information

- The color saturation option is not supported when using the PAL color system within this device.

Basic Mode Screen



Name	Description
1 Mode	Displays currently playing mode
2 Phone Name	Displays name of connected phone
3 Title	Name of current song
4 Artist Info	Name of current artist
5 Play	Plays Bluetooth® Audio
6 Pause	Pauses Bluetooth® Audio
7 Connections	Displays the Connections screen

i Information

- The title/artist info may not be supported in some mobile phones. When it is not supported, a symbol will be displayed.
- The play/pause feature may operate differently depending on the mobile phone.

Bluetooth® Audio Mode

Using Bluetooth® Audio Mode

- ▶ Bluetooth® Audio Mode can be used only when a Bluetooth® Audio Mode phone has been connected.
- ▶ While Bluetooth® Audio Mode is playing, if the Bluetooth® phone is connected, then the music will also stop.
- ▶ Bluetooth® streaming audio may not be supported with some mobile phones.

Starting Mode

Press the **MEDIA** key ▶ Press

Bluetooth Audio .



i Information

- If the Bluetooth® device is not connected, then the **Bluetooth Audio** button will be disabled.

Playing Bluetooth® Audio



- Press the **▶** button to play files saved within the Bluetooth® phone.
- Press the **||** button to pause the file.

i Information

- If the Bluetooth® audio does not play, Press **i** key ▶ Press **Setup** ▶ **Bluetooth** ▶ **Streaming Audio Setting** ▶ If the option is set to **Off** , change to **On** and try again.

Selecting Bluetooth® Audio Files

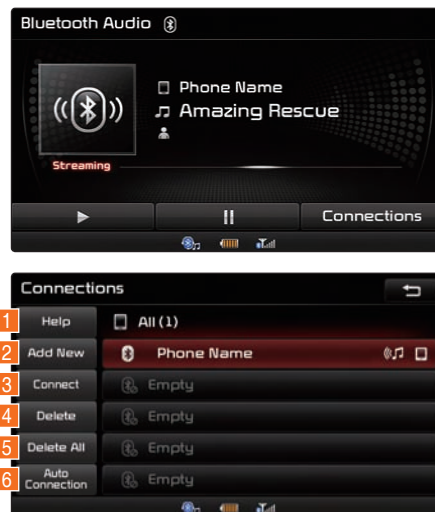
While playing ► Press the **▼ SEEK** , **TRACK ^** key ► Selects the previous/next file.

i Information

- The title/artist info may not be supported in some mobile phones. When it is not supported, only the symbol will be displayed.
- The play/pause feature may operate differently depending on the mobile phone.

Setting Connection

Press the **Connections** button to add a new Bluetooth® phone, connect/disconnect, delete, delete all, or view the Help section.



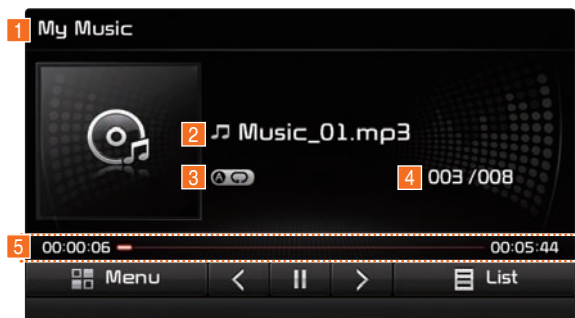
Name	Description
1 Help	Displays Bluetooth® Help screen
2 Add New	Pair a new Bluetooth® device
3 Connect/Disconnect	Connect or disconnect a Bluetooth® device
4 Delete	Delete a paired Bluetooth® device
5 Delete All	Delete all paired Bluetooth® devices
6 Auto Connection	Set Bluetooth® phone Auto Connection upon starting car ignition

i Information

- If music is not yet playing from your mobile device after converting to streaming audio (Bluetooth® Audio) mode, pressing the **►** button once may begin playing the music. Check to see whether music is playing from the Bluetooth® device after converting to streaming audio mode. The Streaming audio feature may not be supported in some mobile phones.
- For more information on mobile phone compatibility, visit the KIA Motor Company website (www.kia.com/bluetooth).

My Music Mode

Basic Mode Screen



Name	Description
1 Mode	Displays currently operating mode
2 File	Displays the name of the current file
3 Repeat/Shuffle/Scan	From Repeat/Shuffle/Scan, displays the currently operating function
4 File Index	Shows the current file/total files within the My Music
5 Play Time	Displays the current play time/total play time
6 Repeat	Repeats the current file
7 Shuffle	Plays files in random order
8 Scan	Scans the beginning parts of files (approx. 10 seconds per file)
9 Info Off (Info On)	Changes the display method between Info Off/Info On • Info Off : shows file name • Info On : shows file name, title, artist, and album info
10 Menu	Displays Repeat, Shuffle, Scan and Info On (Info Off) menus
11 Title Info	Displays the song title (Not displayed when information is not available)
12 Artist Info	Displays the artist information (Not displayed when information is not available)
13 Album Info	Displays the album information (Not displayed when information is not available)
14 Previous File	• When the play time is under 2 seconds : Moves to the previous file • When the play time is over 2 seconds : Plays the current file from the beginning
15 Play/Pause	Plays/pauses the current file
16 Next File	Moves to the next file
17 List	Moves to the list screen

Starting Mode

NOTICE

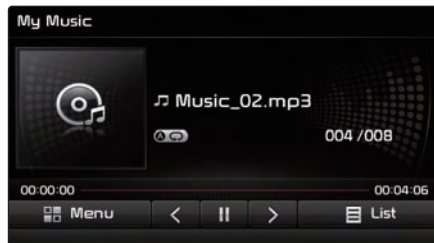
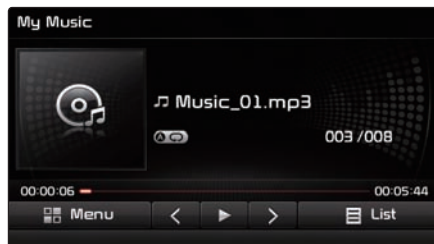
- My Music refers to a feature where music files (MP3, WMA) within USB memory drives or CDs are copied into the Navigation system to play them within the vehicle.

Press the **MEDIA** key ▶ Press

My Music .



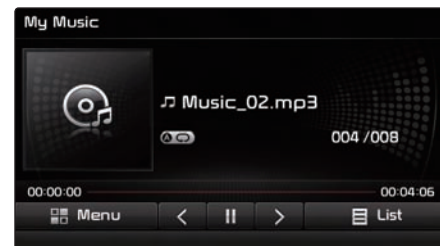
Playing My Music



- Press the **▶** button to play the file.
- Press the **||** button to pause the file.

Selecting My Music

While playing ▶ Press the **<** , **>** buttons or the **SEEK** , **TRACK** key to play the previous/next file.



- Pressing and holding the **SEEK** , **TRACK** key (over 0.8 seconds) will rewind or fast-forward the current file.
- While the **SEEK** , **TRACK** key is being pressed, the track will rewind or fast-forward at high speeds. Once the key is released, the Music will begin playing at normal speed.

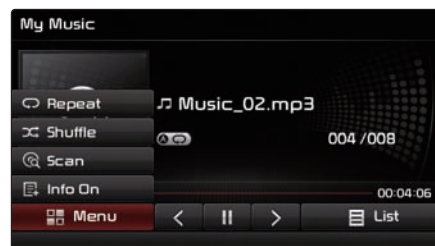
My Music Mode

i Information

- The **<** , **>** buttons displayed on the screen allow you to select the previous/next file.
- These buttons will not rewind or fast-forward the file.

Using the Menu Buttons

Press the **Menu** button to set the Repeat, Shuffle, Scan, Info On (Info Off) menus.



Repeat

Press the **Menu** button ► Press **Repeat** .

The currently playing file is repeated.

i Information

- Press the **Repeat** button again to turn off repeat. If nothing is selected, then all files will be played in sequential order.

Shuffle

Press the **Menu** button ► Press **Shuffle** .

When turned on, files are played in random order.

i Information

- Press the **Shuffle** button again to turn the shuffle option off.

Scan

Press the **Menu** button ► Press **Scan** .

The beginning (approx 10 seconds) of all files are scanned.

i Information

- Press the **Scan** button again to turn the scan option off.

Info On/Info Off

Press the **Menu** button ► Press **Info On**.

The screen display can be set differently depending on user selection.

When the title, artist, and album info are displayed, the button is changed to **Info Off**. Press **Info Off** to restore the previous information display setting.

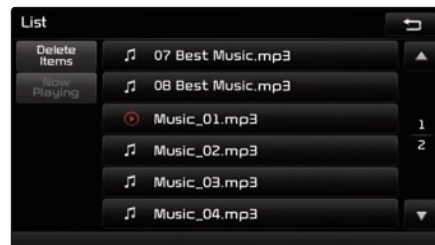
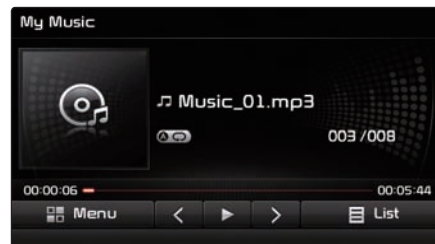
i Information

- The title, artist and album info are displayed only when such information is recorded within the MP3 file ID3 tag.

Using Menus within the List Screen

Moving between Lists

Press the **List** button ► Press **▲**, **▼**.



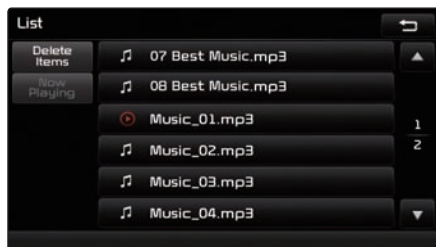
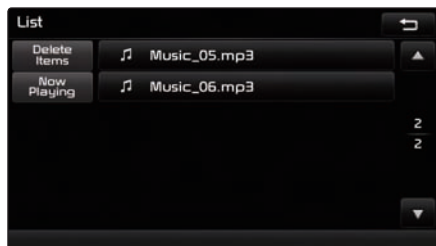
If six (6) or more files or folders exist in the same folder, the list will be displayed across two or more pages.

Press the **▲**, **▼** cursor buttons to quickly find the desired page.

My Music Mode

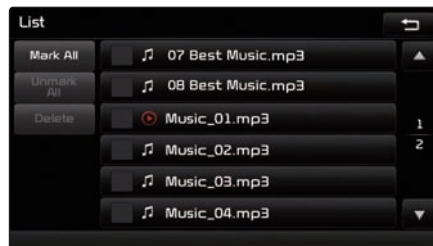
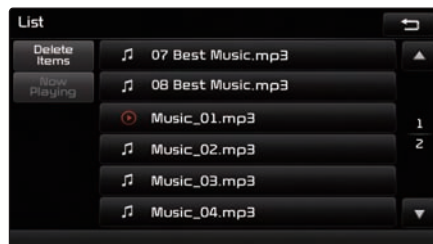
Returning to Current Location

While searching files within other folders, press the **Now Playing** button to return to the currently playing file screen.



Deleting Files

Press the **List** button ► Select the files to delete ► Press **Delete Items**.



Information

- The audio system will not operate while files are being deleted.
- If the currently playing file is deleted, the next file will begin playing.

3 Navigation

- Before Use
- Starting Navigation
- Using the Navigation
- Map Logos and Landmarks

CAR AVN SYSTEM

Before Use

Precautions for Safe Driving

Please observe and comply with local traffic rules and regulations.

- ☑ For your safety, some features cannot be operated while driving for your safety. Features that cannot be operated will be disabled.
- ☑ The route displayed for destination guidance is a reference and the route guidance will take you to the vicinity of your destination. The highlighted route is not always; the shortest distance, the least congested, and in some cases might, not be the fastest route.
- ☑ Road, name, and POI information may not always been completely updated. Some places may not include up to date information.
- ☑ The car position mark does not always indicate your exact location. This system uses GPS information, various sensors, and road map data to display the current position. However, errors in displaying your location may occur if the satellite is transmitting inaccurate signals or two or less satellite signals are being received. Errors that occur in such conditions cannot be corrected.
- ☑ The position of the vehicle within the navigation may differ from your actual location depending on various reasons, including the satellite transmission state, vehicle state (driving location and conditions), etc. Additionally, the car position mark may differ from the actual position if the map data is different from the actual road landscape, such as changes due to the construction of new roads. If such differences occur, driving for a short period of time will automatically correct the position of the vehicle through map matching or GPS information. (several minutes may be necessary in certain cases)

Operating the Navigation

- ✦ The navigation can be operated via touch. Touch the corresponding button on the screen to operate.
- ✦ If the button does not respond, take your finger off the screen and try again.
- ✦ When a button function is operating, the color of the selected button will be displayed differently.
- ✦ To return to the previous screen, press the  button.
- ✦ Press the  button to cancel functions that can be operated on the current screen.
(Some functions may not be cancelled.)

Information

- Buttons that cannot be operated will be disabled.
-

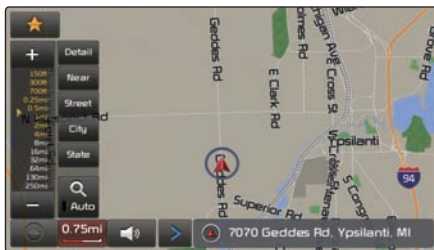
Before Use

About the Map

Some roads, site names, and facility information may have changed after map data update and may differ with actual road conditions.

About Map Scale

- If  is displayed on the left side of the map, this represents a map scale of 1/4 of a mile.
- For more information on Changing Map Scale, refer to the 'Changing Map Scale' section.



Actual Distance		
Level	mi/ft	km / m
1	150ft	50m
2	300ft	100 m
3	700 ft	200 m
4	0.25 mi	400 m
5	0.5 mi	800 m
6	1 mi	1.6 km
7	2 mi	3.2 km
8	4 mi	6.4 km
9	8 mi	12 km
10	16 mi	25 km
11	32 mi	50km
12	64 mi	100 km
13	130 mi	200 km
14	250 mi	400 km

About Map Icons

Icons displayed on the map may differ from actual conditions. Multiple icons may also be displayed as one mark.

About Map Database

Unlicensed map copying in any form, in full or in part, is strictly prohibited.

About Map Updates

- Map updates can be downloaded from the designated website (<http://www.mapnsoft.com>) and updated through the SD card.
- For more information, refer to the 'System Update' section in Setup.

About Voice Guidance

During destination guidance, voice guidance will be provided when reaching an intersection or nearby the destination.

Voice Guidance

Voice guidance is provided in the following instances.

Example of voice guidance during destination guidance

- In front of an intersection :



In a half mie, turn right.
Next right.

- Upon entering a toll road



Toll booth ahead.

- * Please use voice guidance only as a reference to assist in your driving.

Example of voice guidance when arriving at the destination

- In front of the destination :



You have arrived at your destination.
Your route guidance is finished.

i Information

- The above voice guidance examples are normal cases. However, the actual voice guidance may differ depending on the road type.
- If the car position is not accurately measured, then voice guidance may not be given, or may be given later or improperly.
- It is possible to adjust the Navigation guidance volume.

Guidance when using other modes

- Voice guidance will continue even when converting from the navigation screen to a different mode screen.

i Information

- With voice guidance muted, destination guidance will continued to be provided.

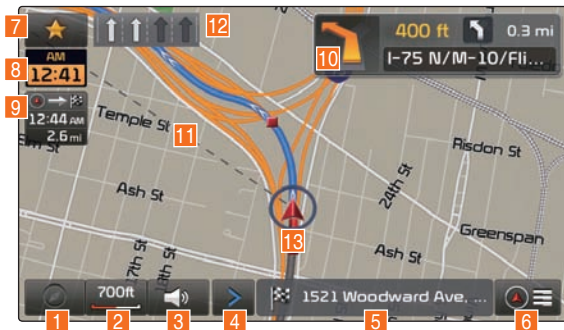
About GPS

GPS (Global Positioning System) :

GPS is a system developed and operated by the United States which determines the current location of the user (Longitude/Latitude, Coordinates, etc.) by generally using 4 or more satellites. This system is used with related GPS information, various sensors, road map data, and other related information for the purposes of navigation. For more information on GPS, refer to Part 6 'GPS Information'.

Starting Navigation

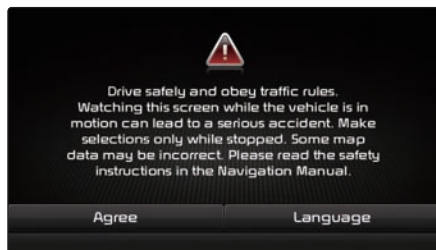
Map Screen



Name	Description
1 Map Style	Used to set either North up Always or Heading up on both sides of split screen map
2 Map Scale	Shows current map scale
3 Navigation Guidance Volume	Used to adjust navigation guidance volume
4 Function/Info Window	Shows map function buttons or current position info
5 Current Position Info Window	Shows current road name and destination name in 5 second intervals
6 Route Guidance Mode	Switches route guidance mode between preliminary guidance mode, Highway mode, and Turn by turn mode
7 Quick Menu	Allows users to easily and quickly access desired menus
8 Current Time	Shows the time
9 ETA/Remaining Time	Shows the ETA (Estimated time of arrival), remaining time and distance from current position to the destination
10 Preliminary Guidance	Provides distance, direction guidance at turn points and directions within the set route
11 Destination Direction	Shows straight line distance to destination from current car position mark
12 Lane Info	Shows recommended lanes for use by considering upcoming intersections and expected routes
13 Car Position Mark	Displays current car position

Starting Navigation

Initial Screen



Press the **Agree** button to display the most recently used mode.

If Audio mode is used with the navigation turned on, navigation guidance will be provided in the background. If you turn the ignition on, then the most recently played mode will restart.

i Information

- Once the vehicle ignition is turned on, the User Warning screen will always be displayed. Make sure to carefully read the warning page as it contains important information related to system operations while driving.

Current Position



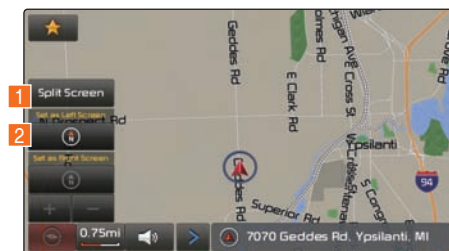
Press the **MAP VOICE** key or the **▲** button displayed at the upper right side in some map conditions to display the map of the current position and the neighboring area.

i Information

- When riding in a new car or after replacing the battery terminal, the car position mark may at first appear at a different location.
- Even if the car position mark on the map is different, map matching and GPS coordinates are utilized to automatically update the current position. It may take up to several minutes to find your current position.

Map Display Settings

Press the **MAP VOICE** key ▶ Press the **●**.



This button is used to set map screen related options, such as Split screen, Heading-Up/North Up, and Left/Right screen display.

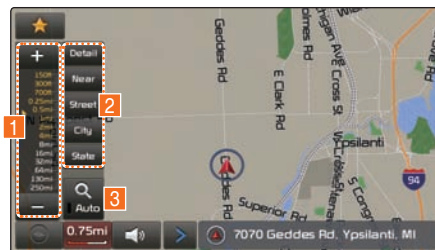
Name	Description
1 Split Screen/ Single Screen	Select between Split Screen or Single Screen Map
2 Heading-Up/ North-Up	Display Map in Vehicle Traveling Direction (Heading-Up) or North-Up direction

i Information

- The Heading-Up/North-Up, 2D, and map scale adjustments can be used when using Split Screen map.

Changing Map Scale

Press the **MAP VOICE** key ► Press **0.75mi**
► Set the desired map scale.



Press the **0.75mi** button to display the map scale menu and change the map to the desired scale.

Name	Description
1 Adjust Map Scale	Use the + / - buttons to display the scale bar
2 Administrative District Scale	Shows map scales in categories of Detail (300ft), Near (0.25mi), Street (1mi), City (4mi), State (16mi)
3 Auto Scale	When Auto is enabled, map scale automatically adjusts according to driving situation

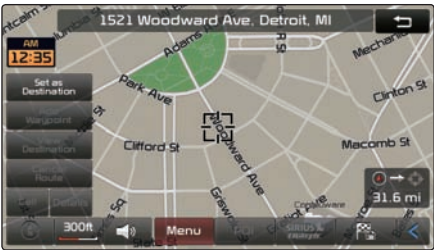
i Information

- The **-** will be disabled when set to max scale (1/250mi) and the **+** button will be disabled when set to min scale (1/150ft).

Starting Navigation

Map Menu

Press the **>** button ► Press **Menu** button.



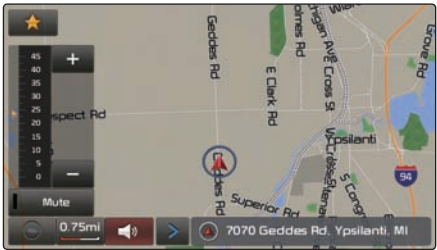
Features frequently used within the map screen, such as **Set as Destination** , **Add Waypoint** , **View Destination** , **Cancel Route** , **Call** , and **Details** are displayed.

i Information

- If the screen is scrolled, then the top menu is changed to the **Set as Destination** button.
- If you have already set a destination, then the top button will change to the **Recalculate** button.

Adjusting Navigation Volume

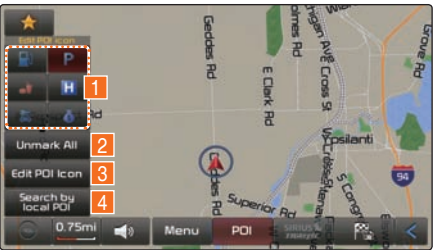
Press the **Speaker** button ► Adjust volume.



Press the **Speaker** button. The volume menu is displayed and allows you to adjust the navigation voice guidance volume. The volume can be adjusted from 0~45 through the **+** / **-** button. Press the **Mute** button to turn off the sound.

POI Display

Press the **>** button ► Press **POI** .

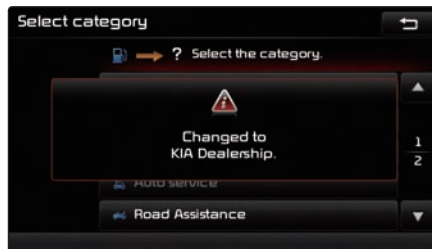
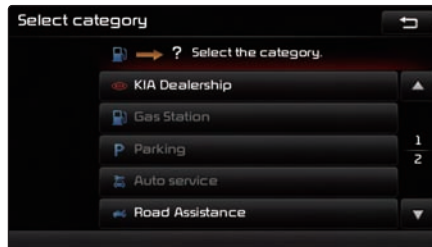
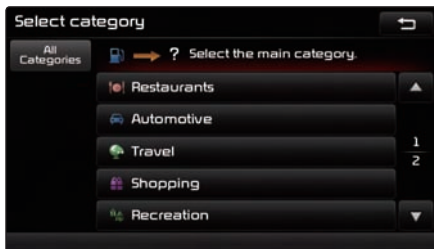
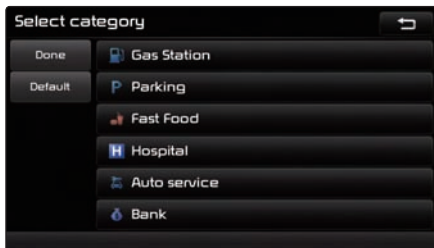


When POI menus are displayed, pressing one of the 6 POI icon buttons will display the corresponding POI icons.

Name	Description
1 POI Icon	Shows/hides corresponding POIs
2 Unmark All	Unmarks selected POI Icons
3 Edit POI Icon	Edit the 6 POI icons shown within the menu
4 Search by Local POI	Searches selected POI

Editing POI Icons

Press **POI** ► Press the **Edit POI Icon** button ► Press **Done** .



Press the **Edit POI Icon** button to select the desired facility from the various facility types.

Up to six favorite facilities can be set.

Press the **Default** button to reset the displayed POI icons.

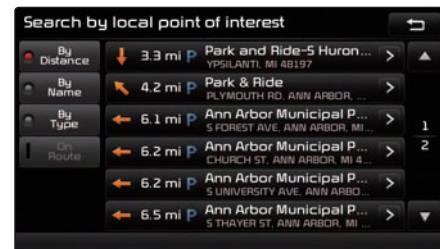
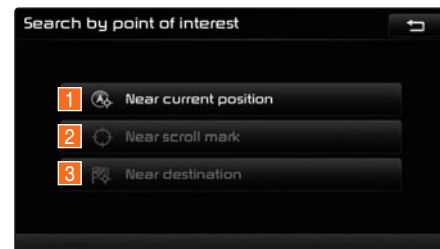
Initially, Gas Station, Parking, Fast Food, Hospital, Auto Service, and Bank are set as default.

Searching POIs

Press the **Search by local POI** button ►

Press the search criteria

(**Near current position** , **Near scroll mark** , or **Near destination**).



Starting Navigation

Name	Description
1 Near Current Position	Within the 'Search by POI' menu, searches facilities based on the current vehicle position
2 Near Scroll Mark	Within the 'Search by POI' menu, searches facilities based on the current scrolled position
3 Near Destination	Within the 'Search by POI' menu, searches facilities based on the location of the destination

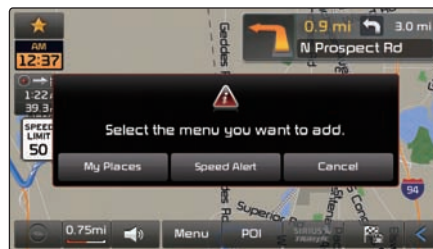
The POI mark is displayed according to the selected criteria.

i Information

- When searching POIs, you can only search POIs within selected categories.
- The **Near scroll mark** menu is enabled only when the map has been scrolled.

Adding a My Place

Press the  button ► Press the desired group.



This feature is used to save the current position or the scrolled position as a My Place or Speed Alert.

i Information

- My Places are saved without distinction for the driving or scrolled state.
- The **Speed Alert** button is displayed when a point is saved with the speed limit of the road while driving on the road.

Using the Navigation

Destination Search

Press the **DEST** key to display the Destination Search menu screen.

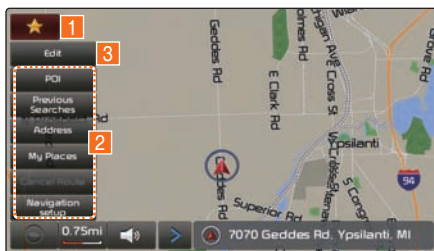


The Destination Search screen includes various search menus as well as shortcuts to Favorites that provide maximum convenience in searching for destinations.

Name	Description
1 Point of Interest	Used to search for neighboring POIs near current position/near scroll position/near destination/near city center
2 Previous Destinations	Used for route guidance to recently set destinations
3 Previous Searches	Used for route guidance to recently searched locations
4 Previous Start Points	Used for route guidance to recent start positions
5 Address	Used to search destinations by selecting specific states/cities/roads
6 My Places	Displays list of saved My Places
7 Intersection Search	Used to search destinations by selecting street intersections
8 Map	Moves to the map screen
9 Emergency	Used to make emergency related searches
10 Coordinates	Used to search destinations by entering the Lat/Long coordinates
11 Phone Number	Used to search destinations by entering POI phone numbers
12 EXIT	Used to search destinations by searching for expressway exits/entrances

Using the Navigation

Quick Menu



Press the **★** button on the left side of the map screen to display the Quick Menu.

Name	Description
1 Quick Menu (★)	Display/hide Quick Menus
2 Quick Menu Bar	Menus added to the Quick Menu (possible to set up to 6 menus)
3 Edit	Add/Delete Quick Menus
4 Current Quick Menus	Shows list of current Quick Menus
5 Add/Remove	Add or remove Quick Menus
6 Quick Menu Categories	List of categories that can be added to Quick Menus

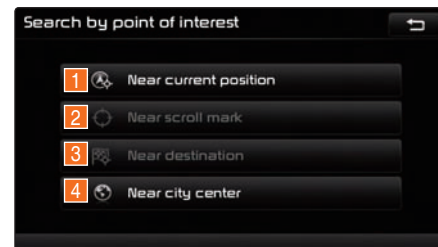
Point of Interest (POI) Search

Press the **DEST** key ► Press

Point of Interest



Name	Description
1 Category	Search for POIs by selecting through POI categories
2 ZAGAT Restaurant Guide	Search for ZAGAT restaurant guide POIs from among POIs within the vicinity
3 Name	Search POIs by name



POI Search is a feature that allows you to search for POIs that are near your current position, near a scroll mark, near the destination, or near the city center.

Categories are sub-categorized and the selected area and category are displayed at the top of the screen for user convenience.

Name	Description
1 Near Current Position	Searches POIs based on the current vehicle position
2 Near Scroll Mark	Searches POIs based on the current map scroll position
3 Near Destination	Searches POIs nearby the set destination (feature is disabled when a destination has not been set)
4 Near City Center	Searches POIs nearby a selected area

i Information

- The searched location may not be the exact location of a specific destination, but displays a representative position of a POI address.
- The ZAGAT Restaurant guide list is a rating system categorized into 0~9 Poor to fair, 10~15 Fair to good , 16~19 Good to very good , 20~25 Very good to excellent, 26~30 Extraordinary to perfection.
- Each category is sorted starting with highest ratings down to the lowest ratings.

Previous Destinations, Previous Searches, and Previous Start Points

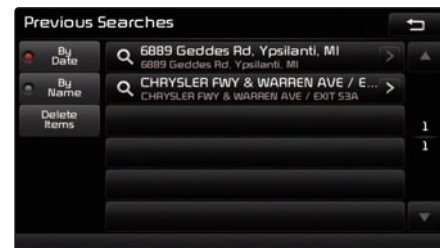
Press the **DEST** key ► Press

Previous Destination .



Press the **DEST** key ► Press

Previous Searches .



Using the Navigation

Press the **DEST** key ► Press

 **Previous Start Point** .



These search features allow you to search previous routes, previous searches and start points.

Name	Description
1 By Date	Sorts POIs and locations by added date
2 By Name	Sorts POIs and locations by name
3 Delete Items	From various entries, items can be selected and deleted all at once

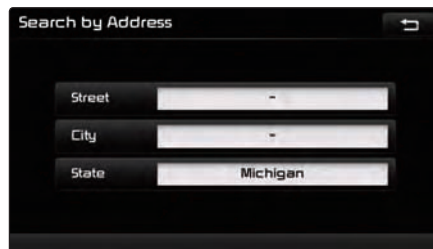
Information

- If the POI or region name is too long and cannot be displayed within one screen, pressing the  button will move the name to the left to display the full name.

Address

Press the **DEST** key ► Press

 **Address** .



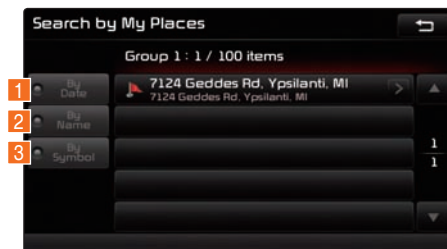
This search feature is used to search destinations by addresses through state, city, and street.

Enter the name of the Street, City and State corresponding to the desired destination. Once search is complete, press the **Search** button to select the desired location from the list.

My Places

Press the **DEST** key ► Press

 **My Places** .



This search feature is used to search destinations by selecting previously saved My Places to set as destinations. My Places can be placed in groups, and group names can be edited within Setup.

Name	Description
1 By Date	Sort POIs and locations by date
2 By Name	Sort POIs and locations by name
3 By Symbol	Sort POIs and locations by symbol

i Information

- If the POI or region name is too long and cannot be displayed within one screen, pressing the **>** button will move the name to the left.
- It is possible to save up to 100 My Places per Group.

Intersection Search

Press the **DEST** key ► Press

Intersection Search

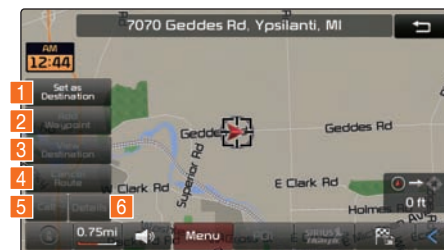


This search feature is used to search destinations by street intersections throughout the map.

Enter the name of the Street, City and State corresponding to the desired destination. Once search is complete, press the **Search** button to select the desired location from the list.

Map

Press the **DEST** key ► Press **Map**



The map screen can be scrolled to display other positions where you can set destinations.

Name	Description
1 Set as Destination	Sets the POI or region where the cursor is positioned as the new destination
2 Add Waypoint	Sets the POI or region where the cursor is positioned as a waypoint
3 View Destination	Displays information for the set destination
4 Cancel Route	Cancels the currently set route
5 Call	Calls the selected POI facility
6 Details	Displays details for the selected POI facility with ZAGAT information

Using the Navigation

Emergency

Press the **DEST** key ► Press

Emergency .



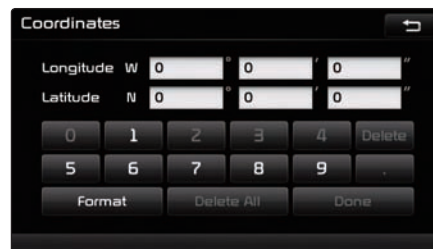
This search feature is used to search for police stations, hospitals, and dealerships in emergency situations.

Name	Description
1 Police Station	Displays list of Police Stations closest to the current position
2 Hospital	Displays list of Hospitals closest to the current position
3 Dealership	Displays list of KIA Motor Dealerships closest to the current position

Coordinates

Press the **DEST** key ► Press

Coordinates .



This search feature is used to search destinations by entering coordinates. Two coordinate entry formats are supported. Select the desired format upon starting search.

Phone Number

Press the **DEST** key ► Press

Phone Number .



This search feature is used to search the locations of POIs by entering the phone number of the desired POI destination.

- Area codes must be entered to complete the search.

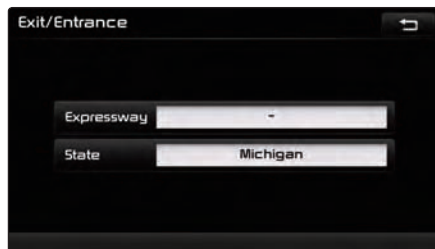
i Information

- The phone number and location may differ for some POIs. In addition, the following types of facilities may be more frequently located in other locations.
- Locations of department stores, museums, and amusement parks may somewhat differ from the set destination. Check the exact address when trying to reach such destinations.
- Within general information newspapers, there are cases when phone numbers of concert halls actually list the numbers of management companies. In such cases, destination searches will be made to the management companies.
- The telephone number and addresses may change at any time.

Exit/Entrance

Press the **DEST** key ► Press

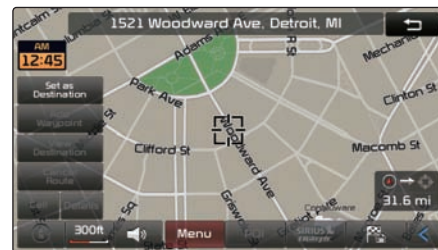
Exit



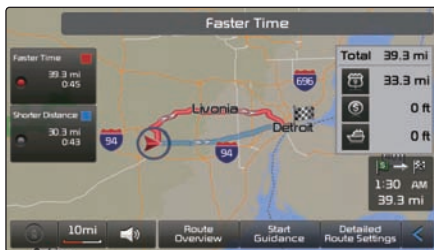
This search feature is used to search destinations by entering the Exits and Entrances of corresponding expressways. Enter the name of the Freeway corresponding to the desired destination. Once search is complete, press the **Search** button to select the desired location from the list.

Setting a Destination

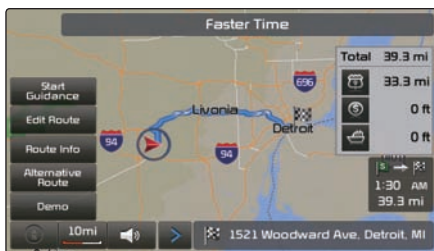
Press the **DEST** key ► Search for the Destination ► Press **Set as Destination**.



Using the Navigation



(Alternative Route)



(Route Overview)

- To conduct a destination search through the desired search method, select the desired destination from the list. (For more information on destination search methods, refer to the 'Destination Search' section.)
- After verifying the location of the searched destination, press the **Set as Destination** button to calculate the route. The Route Overview or Alternative Route screen will be displayed.
- Press the **Add Waypoint** button to add a waypoint destination.
- Within the Route Overview or Alternative Route screen, press the **MAP VOICE** key or the **Start Guidance** button to start route guidance.

i Information

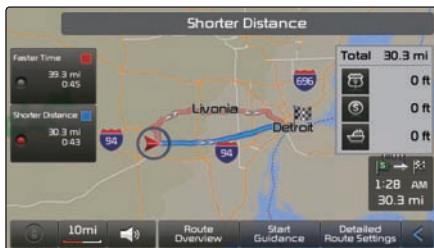
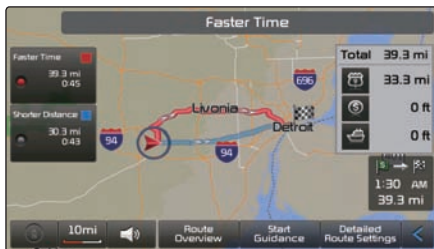
- If you press the **Set as Destination** button while a previous destination has already been set, the pop-up 'Replace destination?' will be displayed.
- If you press **Yes**, then the previous destination is deleted and the new destination will be set. Pressing the **Add Waypoint** button will add a waypoint destination.

One Touch Scroll Setting

The destination can be set to the current map display.

- Within the map screen, touching a position on the map will move the map to the center of the selected position and display the scroll mark.
- Press the **Menu** button to set the selected position as a waypoint or destination.

Route Calculation



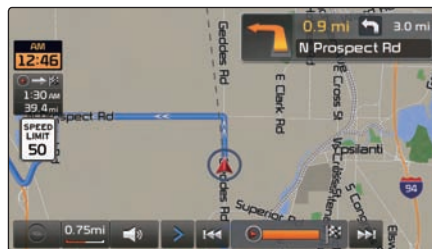
- Once you have set a destination, calculate the route. The route overview and route option menus will be displayed.
- After checking the Route Overview, press the **MAP VOICE** key or the **Start Guidance** button or just drive for over 3 mph for for approximately 5 seconds to start guidance.

i Information

- To learn more about 'Alternative Route', 'Route Overview', or 'Detailed Route Settings' refer to the 'Route Menu' section.

Demo

After a route has been calculated, press the **Demo** button to begin simulated driving of the calculated route.



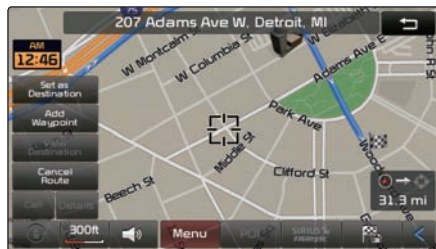
- Within the Route Overview screen, press the **Demo** button.
- During Demo, press the **MAP VOICE** key to end the demo and display the current map position. If you start driving while viewing the route demo, demo will end and route guidance will start.

i Information

- Demo will not operate after starting route guidance. To use the Demo feature, use after route calculation but prior to starting route guidance.
- During Demo the "Fast/Normal/Auto" menus are displayed and it is possible to adjust the demo speed.

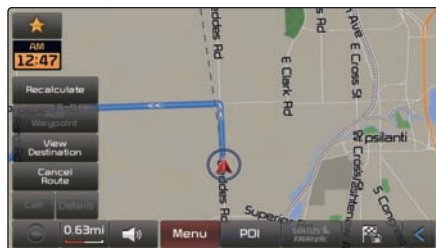
Using the Navigation

Add Waypoint



After searching for waypoints, press the **Add Waypoint** button to add the waypoint to the current route.

Route Recalculation



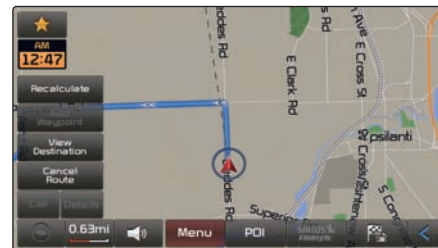
Once a route has been set, the **Recalculate** button is displayed at the top of the menus. Pressing the **Recalculate** button will display a pop-up that allows you to change route options. Once the settings are changed, the route is recalculated by reflecting the changes.

i Information

- For more information on Faster Time, Shorter Distance, and other route calculation options, refer to the route calculation section.

Cancel Route

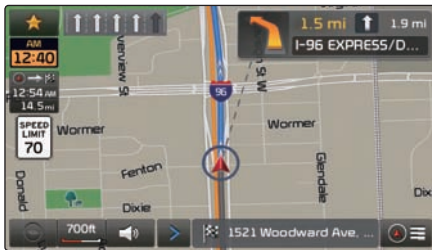
In the Map menu screen, press the **Cancel Route** button.



i Information

- You can cancel the route by pressing the **Cancel Route** button that is displayed after pressing the **Menu** button.

Route Guidance



Preliminary guidance, highway mode, turn list guidance, and other guidance screens are displayed according to the current road condition.

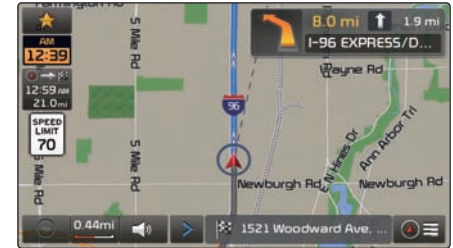
Within the guidance map screen, if the current position is on route, then intersection guidance will be provided once you are nearby an intersection.

Also, the intersection zoom screen is displayed when nearby an intersection.

i Information

- Within all guidance mode screens, pressing the button at the bottom right side of the screen will change the route guidance mode.
- Each time the button is pressed, the guidance mode will change in order of preliminary guidance → turn list → highway guidance mode. (The icon within the button indicates the mode that will be displayed upon next press.)
- Highway and intersection zoom guidance are displayed during guidance at corresponding roads.

Preliminary Guidance Mode



At the top right side of the screen, the next/after next turn info, remaining distance, direction, and other information are displayed.

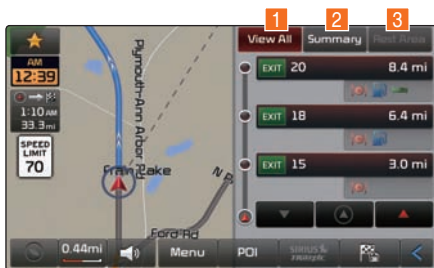
Using the Navigation

Intersection Zoom Mode



This mode provides detailed guidance nearby intersections before the next turn. This mode is displayed starting from 300m before the intersection.

Highway Mode



Upon entering a highway during route guidance, the highway mode will automatically be displayed. This mode is displayed when driving on a highway and mainly displays highway related POIs.

You can check information for various POIs by using the **View All** , **Summary** , and **Rest Area** buttons.

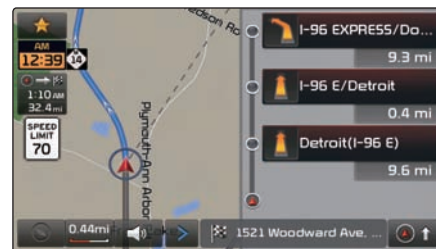
Name	Description
1 View All	Guidance for all POIs on the highway
2 Summary	Shows list of turn points and other directional route guidance while driving within highway
3 Rest Area	Guidance for only the rest areas on the highway

When scrolling through POIs by using the **▼** , **▲** buttons, pressing the **🔍** button will select the POI closest to the current position.

i Information

- When there are more than four POI marks that can be listed, some POIs may be omitted and not displayed.

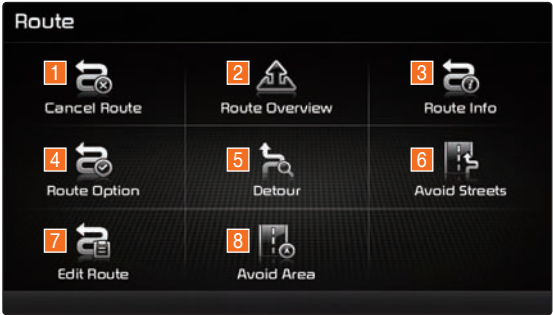
Turn List Mode



Turn List Mode shows turn information on the current route.

Route Menu

Press the **ROUTE** key to use, edit, or optimize various route options.



Name	Description
1 Cancel Route	Cancels the currently set route
2 Route Overview	Shows the route overview to the set destination
3 Route Info	Shows detailed info for the current route
4 Route Option	Route calculation settings with various options for calculating a route
5 Detour	Used to select and edit detour road/streets
6 Avoid Streets	Used to edit the route by avoiding streets
7 Edit Route	Used to add/delete/change the order of destinations/waypoints
8 Avoid Area	Used to edit route by adding Avoid Areas/Editing Avoid Areas and Deleting Avoid Areas

Using the Navigation

Cancel Route

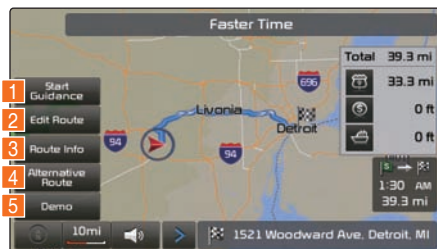
Press the **ROUTE** key ► Press

Cancel Route .

Route Overview

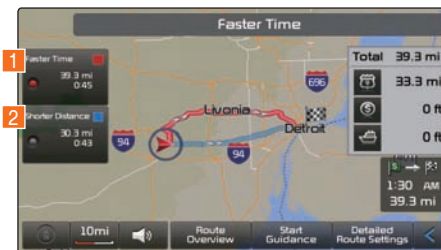
Press the **ROUTE** key ► Press

Route Overview .



Name	Description
1 Start Guidance	Starts guidance to the set Route/Displays the current vehicle position
2 Edit Route	Used to add/delete/change order of destinations/ way-points
3 Route Info	Shows route info to the set destination
4 Alternative Route	Displays various alternative route options for route calculation
5 Demo	Starts demo to the set destination

Within the Route Overview screen, press the **Alternative Route** button to display other potential routes to the set destination. From the alternative route options, select the desired route.



Name	Description
1 Faster Time	Faster time route that reflects distance and traffic conditions
2 Shorter Distance	The shortest distance from start point to the destination

i Information

- Even if the “Use Alternative Route Search” option is turned on, the Route Overview screen (not the Alternative Route screen) when calculating routes that include way-points.

Route Info

Press the **ROUTE** key ► Press

Route Info .



The turn points and distance information by key roads within the set route are displayed. Press the **MAP** button next to each road name to display the map position for the corresponding location.

Route Option

Press the **ROUTE** key ► Press

Route Option ► Set and press **Done** .



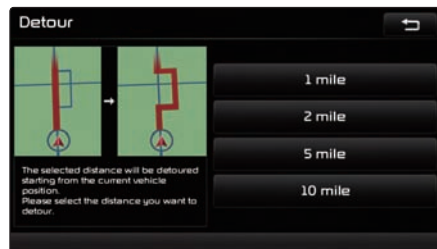
Route Options refer to conditions used to calculate the route to the destination. The route is automatically recalculated if the route options and detailed route settings are changed.

Name	Description
1 Faster Time	Faster time route that reflects distance and traffic conditions
2 Shorter Distance	The shortest distance from start point to the destination
3 Minimize Freeway	Route calculation with minimal use of highway
4 Minimize Toll Roads	Route calculation with minimal use of toll roads
5 Use Ferries	Route calculation by including use of ferries
6 Use HOV/Carpool Lanes	Route calculation by including use of HOV lanes
7 Use Toll Pass	Route calculation by including use of Easy Pass

Using the Navigation

Detour

Press the **ROUTE** key ► Press **Detour** .



The Detour menu is used to redefine the route by setting a detour to a certain distance from the current position.

Avoid Streets

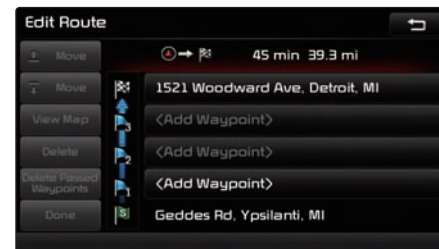
Press the **ROUTE** key ► Press **Avoid Streets** ► Select the streets you want to avoid and press **Done** .



This feature is used to select specific streets to avoid within the current route. Select **Avoid** to avoid the particular streets in the route overview that are desired to be avoided.

Edit Route

Press the **ROUTE** key ► Press **Edit Route** ► Set and press **Done** .

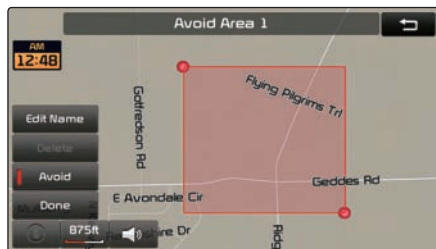


The Edit Route menu displays the start point, waypoints, and the destination in list format and is used to edit corresponding positions or the order of destinations within the route.

Avoid Area

Press the **ROUTE** key ► Press

Avoid Area ► Set and press **Done** .



This feature is used by creating a rectangle over the area to avoid.

An area set as an avoid area is excluded from the calculated route. If a route had been calculated prior to creating an avoid area, the route will automatically be recalculated.

The screen will prompt to select the first corner of the square of the avoid area, followed by the second corner.

Map Logos and Landmarks

Logo/Landmarks

Logo		
Category	Sub-category	Icon
Restaurant	Restaurant	
	American	
	French	
	Italian	
	Continental	
	Mexican	
	Japanese	
	Chinese	
	Korean	
	Vegetarian Food	
	Seafood	
	Latin American	
	Asian	
	African	

These are landmark and logo icons that display facilities within 2D map mode. The size of the symbol may be displayed differently according to the map scale. Symbols may change without prior notice during map updates. Symbols shown within the manual represent a portion of all symbols and shou as a reference.

Category	Sub-category	Icon
Restaurant	Coffee Shop	
	Others	
Automotive	Automotive	
	Hyundai Dealership	
	KIA Dealership	
	Gas Station	
	Parking	
	Auto service	
	Road Assistance	
	Automobile Dealership	
	Auto Parts	
	Rest Area	
	Car Wash	
	Motorcycle Dealership	
Travel	Travel	
	Airport	

Category	Sub-category	Icon
Travel	Hotel	
	Tourist Information	
	Tourist Attraction	
	Travel Agent	
	City Center	
	Rental Car Agency	
	Campground	
	Ferry Terminal	
	Bus Station	
	Local Transit	
	Train Station	
Shopping	Shopping	
	Department Store	
	Convenience Store	
	Shopping Center	
	Grocery Store	

Category	Sub-category	Icon
Shopping	Music Store	
	Bookstore	
	Electronics	
	Gifts	
	Sporting Goods	
	Home Specialty Store	
	Clothing	
	Shoe Store	
	Pharmacy	
Recreation	Recreation	
	Amusement Park	
	Museum	
	Cinema	
	Golf Course	
	Sports Complex	
	Sports Activities	
	Winery	
	Video & Game Rental	
	Ski Resort	
	Recreation Area	

Category	Sub-category	Icon
Recreation	Other Recreation	
Financial Service	Financial Service	
	Bank	
	ATM	
	Check Cashing Service	
	Money Transfer	
	Business Facility	
Community	Community	
	Police Station	
	Post Office	
	Library	
	School	
	Fire Department	
	Convention Center	
	City Hall	
	Civic Center	
	Court House	
	Government Offices	
	Waste & Sanitary	
	Utilities	

Category	Sub-category	Icon
Services	Services	
	Hospital	
	Dentist	
	Photography	
	Tax Service	
	Medical Service	
	Attorney	
	Funeral Home	
	Hair & Beauty	
	Cleaning & Laundry	
	Social Service	
	Physician	
	Communication	
	Tailor & Alteration	
	Mover	

Map Logos and Landmarks

2D Landmarks

Category	Sub-category	Icon
	Airport	
	Park	
	Golf course	
	University	
	Shopping Center	
	Industrial Complex	
	Hospital	
	Cemetery	
	Sports Complex	
	Emergency Service Building	
	Post Office Building	
	Amusement park	
	Animal Park	
	HATCH	

4 Bluetooth® Handsfree

- Before Use
- Basic Mode Screen
- Using *Bluetooth®* Wireless Technology

CAR AVN SYSTEM

Before Use

Before Using the Bluetooth® Handsfree

What is Bluetooth® Wireless Technology?

- ❑ Bluetooth® Wireless Technology refers to a short-distance wireless networking technology which uses a 2.45GHz frequency to connect various devices within a certain distance.
- ❑ Supported within PCs, external devices, Bluetooth® phones, PDAs, various electronic devices, and automotive environments, Bluetooth® Wireless Technology to be transmitted at high speeds without having to use a connector cable.
- ❑ Bluetooth® Handsfree refers to a device which allows the user to conveniently make phone calls with Bluetooth® mobile phones through the Navigation system.
- ❑ The Bluetooth® Handsfree feature may not be supported in some mobile phones. For more information on mobile phone compatibility, visit the Kia Motor website.
(<http://www.kia.com/bluetooth>)

Precautions for Safe Driving

- ❑ Bluetooth® Handsfree is a feature that enables drivers to practice safe driving. Connecting the head unit with a Bluetooth® phone allows the user to conveniently make calls, receive calls, and manage the phone book. Before using Bluetooth® Wireless Technology, carefully read the contents of this user's manual.
- ❑ Excessive use or operations while driving may lead to negligent driving practices and be the cause of accidents. Do not operate the device excessively while driving.
- ❑ Viewing the screen for prolonged periods of time is dangerous and may lead to accidents. When driving, view the screen only for short periods of time.

CAUTIONS upon Connecting Bluetooth® Phone

- ❑ Before connecting the head unit with the mobile phone, check to see that the mobile phone supports Bluetooth® features.
- ❑ Even if the phone supports *Bluetooth®* Wireless Technology, the phone will not be found during device searches if the phone has been set to hidden state or the Bluetooth® power is turned off. Disable the hidden state or turn on the Bluetooth® power prior to searching/connecting with the head unit.
- ❑ If Auto Connection is used, the Bluetooth® phone is automatically connected when the ignition is turned on, making it unnecessary to have to connect the phone with the head unit every time.
- ❑ If you do not want automatic connection with your Bluetooth® device, turn the Bluetooth® feature off of the Bluetooth® device.
- ❑ To set Auto Connection, go to  **Setup** ▶  **Bluetooth** ▶ **Connections** ▶ **Auto Connection** .
- ❑ The car name can be set at  **Setup** ▶  **Bluetooth** ▶ **Advanced Settings** ▶ **Device Information** .
- ❑ The passkey needed to connect the mobile phone can be verified/changed at  **Setup** ▶  **Bluetooth** ▶

Advanced Settings ▶ **Change Passkey** .

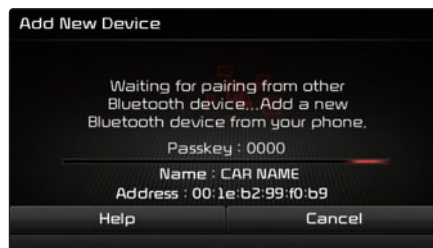
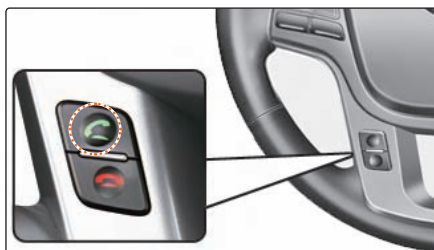
- ❑ If the Bluetooth® audio does not play, go to  **Setup** ▶  **Bluetooth** ▶ **Streaming Audio Setting** . If the feature is set to **Off** , turn **On** and try again.
- ❑ Park the vehicle when connecting the head unit with the mobile phone.
- ❑ Bluetooth® connection may become intermittently disconnected in some mobile phones. Follow these steps to try again.
 1. Turn the Bluetooth® function within the mobile phone OFF/ON and try again.
 2. Turn the mobile phone power OFF/ON and try again.
 3. Completely remove the mobile phone battery, reboot, and then again.
 4. Reboot the Audio Navigation System and try again.
 5. Delete all paired devices, pair and try again.
- ❑ The handsfree call volume and quality may differ depending on the mobile phone.
- ❑ Pairing Bluetooth® devices and use of other Bluetooth® features are not supported when the vehicle is in motion. For safety, please first park your vehicle.
- ❑ When downloading contacts, phenomenon not described within this user's manual may be related with the mobile device. When such occurs, inquire within the mobile phone manufacturer.

Basic Mode Screen

When no Phones Have Been Paired

Press the  key on the steering wheel remote controller or press the

PHONE ► Press **Yes** .



Information

- Press the **Help** button within the pop-up to view the help section with information related to pairing and connecting Bluetooth® devices and using Handsfree related features.
- The same Help section can be viewed by going to **i** ► **Info** ► **Help** **Bluetooth** .

Pairing from the Bluetooth® Device

In the Search from Device screen

- Search for the car name and pair the device
- Enter the Passkey

Bluetooth® becomes connected.

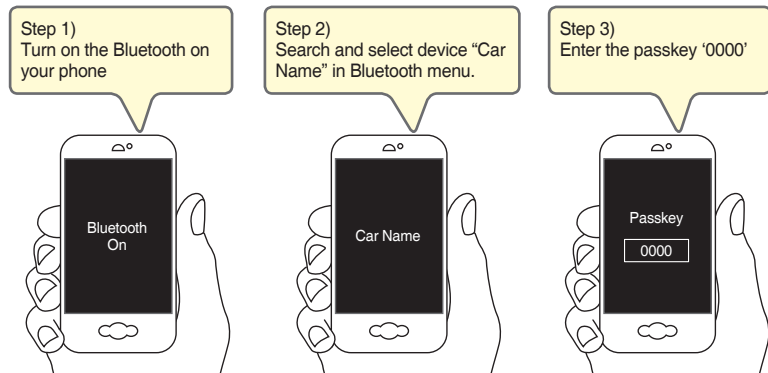


From the Bluetooth® device, search for the car name and pair the device.

When searching from the Bluetooth® device, the car name is KIA MOTORS and the default passkey is '0000'.

Information

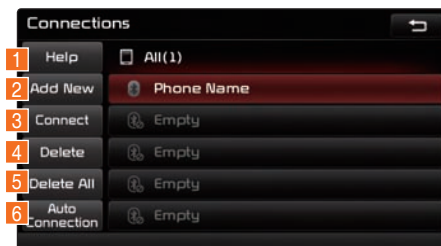
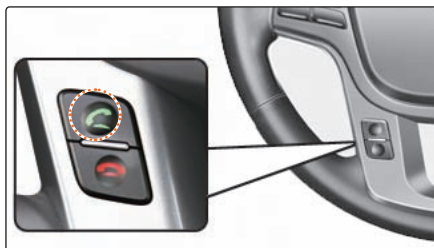
- To learn more about searching from Bluetooth® devices and pairing, refer to the user's manual for your Bluetooth® device.
- Bluetooth® devices cannot be paired when the vehicle is in motion. For your safety, first park the vehicle to pair a Bluetooth® device.



Basic Mode Screen

When a Phone is Already Paired

Press the  key on the steering wheel remote controller or the **PHONE** key ► Press **Yes** ► Select the device from the device list ► Press **Connect** .



- Select the device you want to connect and press the **Connect** button.
- If the phone you want to connect does not exist, press the **Add New** button to pair a new Bluetooth® device.

Name	Description
1 Help	Help section related to pairing and connecting/disconnecting Bluetooth® devices and Hands-free phone features
2 Add New	Pair a new Bluetooth® device
3 Connect/Disconnect	Connect or disconnect a Bluetooth® device
4 Delete	Delete a paired Bluetooth® device
5 Delete All	Delete all paired Bluetooth® device
6 Auto Connection	Set Bluetooth® auto-connection when car ignition is turned on

When Pairing Additional Device

Press the **Add New** button to pair a new Bluetooth® device.

For more information on pairing, refer to the 'When no phones have been paired' section.

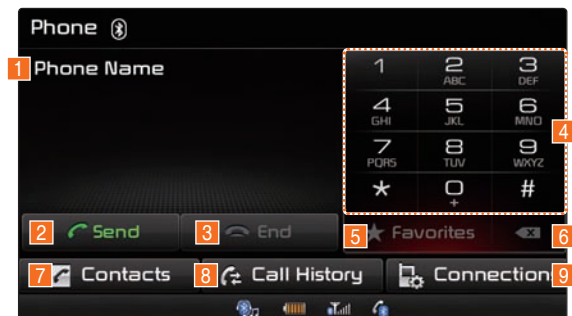
Information

- When a Bluetooth® device is connected, a new device cannot be paired. If you want to pair a new phone, first disconnect the connected Bluetooth® device.
-

Using *Bluetooth®* Wireless Technology

When There is a Connected Device

Press the  key on the steering wheel remote controller or the **PHONE** key on the head unit to display the following screen.



Enter the phone number you wish to call and press the  button.

Information

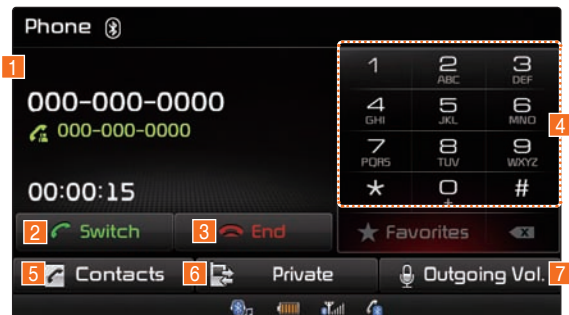
- The mobile phone battery and signal strength icons may not be supported in some mobile phones.
- The remaining battery level displayed on your mobile phone battery icon may slightly differ with the device display.
- The speed dial feature may not be supported in some mobile phones.

Name	Description
1 Info Display Window	Displays name of currently connected device
2 Send	If no number has been entered, switches to call history screen If a number has been entered, calls the number
3 End	If a number has been entered, deletes the number During a call, ends the current call
4 Dial Pad	Used to enter the phone number Press and hold 0 to enter a '+' Press and hold 1 ~ 9 to connect to the speed dial saved within the mobile phone
5 Favorites	Displays the Favorites list screen
6 Delete	Deletes entered numbers one digit at a time
7 Contacts	Displays contacts list screen
8 Call History	Displays recent call history
9 Connections	Displays the Bluetooth® device Connections screen

Status Bar Icons

Name	Description
	A state when Bluetooth® Handsfree and streaming Audio is all connected
	Displays the remaining battery for the connected Bluetooth® device
	Displays the call signal strength

During a Call



The name of the other party is displayed if the number is saved within your contacts. If not, only the phone number is displayed. During a call, the other party's name/number and the call time are displayed.

Information

- The telephone number may not be displayed in some mobile phones.

Name	Description
1 Info Display Window	Displays other party's name/number If there is a waiting call, displays the call waiting information
2 Switch	If there is a call waiting, switches the current call and connects the waiting call
3 End	Ends call
4 Dial Pad	Used to enter phone number
5 Contacts	Displays the Contacts screen
6 Private	During a handsfree call, this function is used to switch the call to the mobile phone Upon switching the call to Private, the vehicle mic and speaker will turn off to allow a private conversation through the mobile phone
7 Outgoing Vol.	Adjusts outgoing volume during calls Sets call volume as heard by the other party (Levels 0~5) The outgoing volume may be heard differently depending on the connected Bluetooth® device

Status Bar Icons

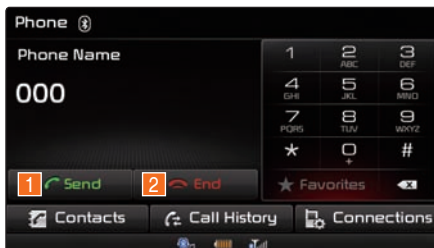
Name	Description
	Mutes call volume
	Bluetooth® phone call state
	Mobile phone contacts or call history download status
	State when Bluetooth® streaming Audio is connected
	State when Bluetooth® Handsfree is connected

Using *Bluetooth®* Wireless Technology

Making/Answering Calls

Calling by Dialing a Number

Enter number on the Dial Pad ► Press the  or the  key on the steering wheel remote controller.



Press the  button or the  key on the steering wheel remote controller to re-enter the most recently called number on the phone screen. If pressed again, a call is made to the number. Press and hold the dial pad **0+** (over 0.8 seconds) to enter a "+".

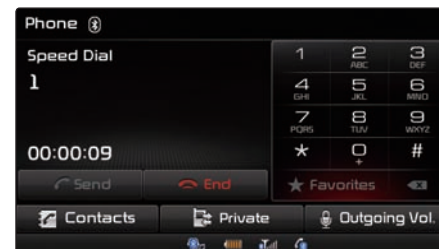
Name	Description
1 Send	Calls the entered phone number
2 End	Deletes all entered numbers

Information

- Most Audio and Setup mode features will not operate during a Bluetooth® handsfree call. Only the call volume and Navigation mode screen can be operated.

Making a Call from Speed Dial

Enter the 1 or 2 digit speed dial number with the Dial Pad ► Press and hold the last number.

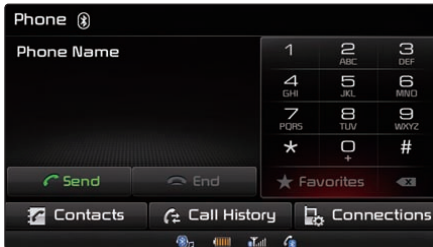


Information

- For speed dials saved within mobile phones, up to 2 digits are supported.
- Saving or changing speed dial numbers through the head unit is not supported.

Calling through Redial

Press the **Send** button or the **Call** key on the steering wheel remote controller to re-enter the most recently called number on the phone screen. If pressed again, a call is made to the number. Pressing and holding the **Call** key on the steering wheel remote controller will also redial the most recently called number.

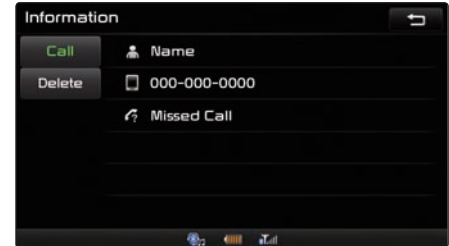
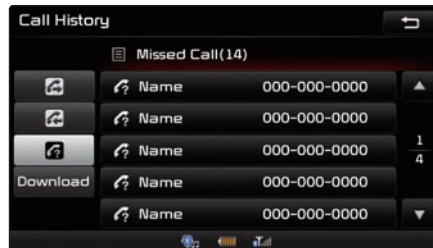
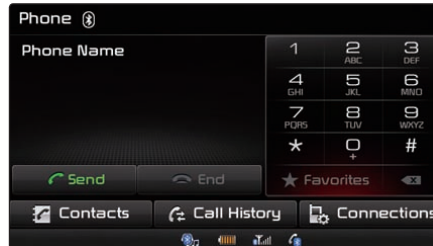


i Information

- Redialing is not possible when there is no call history or the Bluetooth® phone has not been connected.

Making a Call from Call History

Within the Phone screen, press the **Call History** button ► Select contact from the Call History ► Press **Call**.



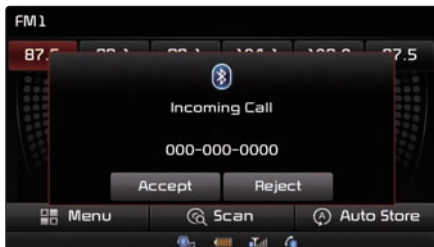
i Information

- Calling through the call history is not possible when there is no call history or the Bluetooth® phone has not been connected.
- Within the call history screen, press the **Download** button to download the call history saved in your mobile phone into the vehicle.
- For more information on downloading call histories, refer to the "Call History ► Downloading Call History" section.

Using *Bluetooth®* Wireless Technology

Answering a Call

Incoming call notice ► Press the **Accept** button or the  key on the steering wheel remote controller.



When there is an incoming call, the bell will sound and the phone number of the other party will be displayed on the incoming call pop-up, as shown here.

Information

- When the incoming call pop-up is displayed, most audio and SETUP mode functions will not operate. Only the call volume and Navigation screens can be operated.
- The telephone number may not be displayed in some mobile phones.

Rejecting a Call

Incoming call notice ► Press the **Reject** button or the  key on the steering wheel remote controller.

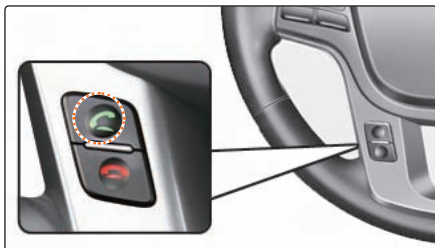
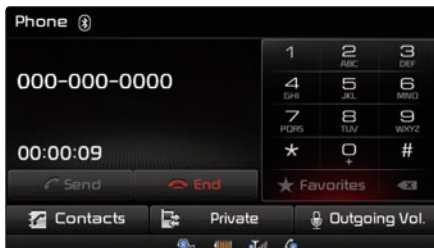
Information

- The reject call function may not be supported in some mobile phones.

Operating Menus during a Call

Switching Call to Bluetooth® Phone

During handsfree call ► Press the **Private** button or press and hold the  key (over 0.8 seconds) on the steering wheel remote controller.



The call will be switched from the handsfree to the Bluetooth® mobile phone.

Information

- The Private function may not be supported in some mobile phones.

Switching Call to the Handsfree

During call on mobile phone ► Press the **Use Handsfree** button or press and hold the  key (over 0.8 seconds) on the steering wheel remote controller.

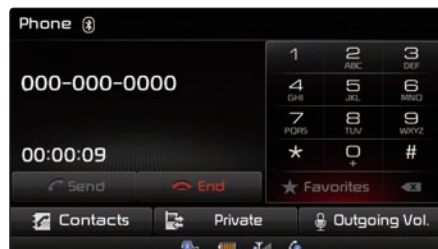


The call will be switched from the Bluetooth® mobile phone to the car handsfree.

Using *Bluetooth®* Wireless Technology

Ending a Call

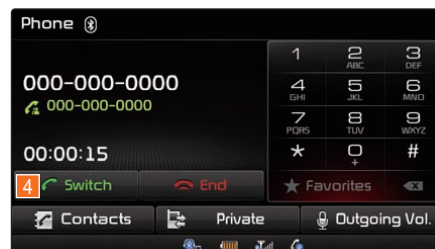
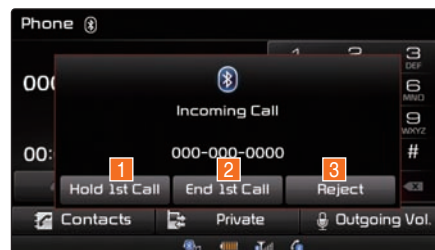
While on a call ► Press the  button or the  key on the steering wheel remote controller.



The Bluetooth® handsfree call will end.

Switching to Call Waiting

If another person calls while you are already on a call, the current call must be placed on hold or ended to answer the new call.



If there is waiting call, press the  key on the steering wheel remote controller (under 0.8 seconds) or press the  button on the Phone screen.

Name	Description
1 Hold 1st Call	Places current call on call waiting and answers new call
2 End 1st Call	Ends current call and answers new call
3 Reject	Rejects new call and maintain current call
4 Switch	If there is a call waiting, switch-es to the waiting call

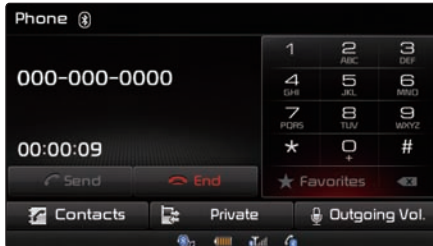
Information

- Call waiting is a feature that allows the caller to answer a second call while already on a call. When call waiting is used, the first call is placed on waiting mode.
- Switching to call waiting may not be supported in some mobile phones.

Setting Mic Volume

While on a call ► Press the **Outgoing Vol.**

► Set Outgoing Volume ► Press **OK**.



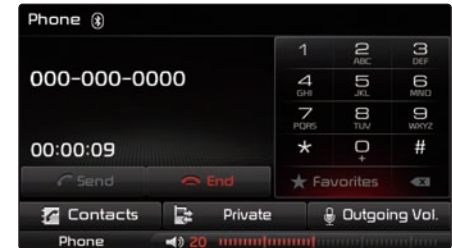
If you press the **Mute** button, the outgoing volume is muted and blocked to the other party.

Information

- The volume heard by the other party may differ depending on the mobile phone. If call volume heard by the other party is too low or too high, adjust the volume setting.

Adjusting the Ring/Call Volume

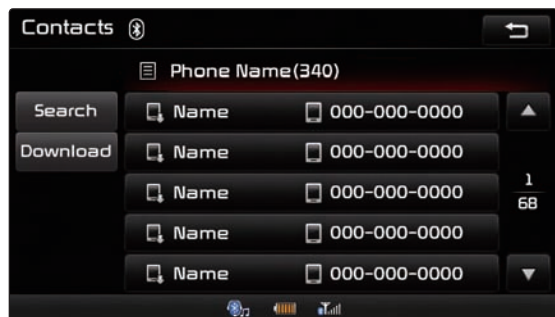
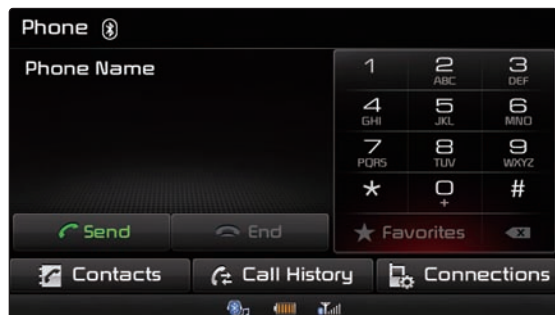
While on a call ► Use the **VOL** knob on the head unit or the **VOL +**, **VOL -** keys on the steering wheel remote controller to adjust the ring/call volume.



Using *Bluetooth®* Wireless Technology

Contacts

Press the **PHONE** key on the head unit or the  key on the steering wheel remote controller ► Press  **Contacts**.



Information

- For contacts, up to 5,000 entries can be downloaded to each paired Bluetooth® device.
- Contacts can be viewed only when a Bluetooth® device has been connected.
- If there are numerous list entries, selecting the list page area will move to the corresponding list page.
- It is possible to download contacts during a call or while operating Bluetooth® streaming audio mode.
- When downloading contacts, the  icon will be displayed within the status bar.
- It is not possible to download contacts when the contacts download setting has been turned off within your Bluetooth® device.
- Some devices may also require device authorization to download contacts.
- If downloading cannot be normally conducted, check the Bluetooth® device settings or whether download confirm popup is displayed on the phone screen.
- The download feature may not be supported in some mobile phones.
- Check to see that the Bluetooth® device supports the download feature.
- For more information on mobile phone compatibility, visit the Kia Motor Company website (<http://www.kia.com/bluetooth>).

Mobile Contacts Screen Configuration



Name	Description
1 Search	Search downloaded mobile phone contacts (Search by name or number)
2 Download	Download contacts from Bluetooth® device
3 Bluetooth® Device Name	Name of connected Bluetooth® device
4 List Page	Displays total number of list pages and current list page (List page jump upon selecting scroll area)
5 Download Source	Displays whether contacts were downloaded from the mobile phone or SIM

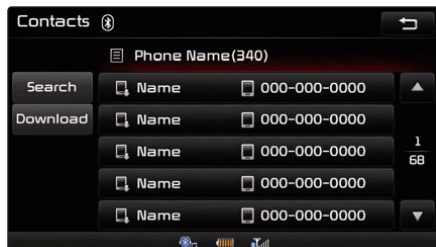
i Information

- Mobile phone contacts can be searched only when a Bluetooth® device is connected.
- Up to 5,000 contacts from your Bluetooth® phone or SIM can be downloaded into the car contacts. Contacts that have been downloaded to the car cannot be edited or deleted.
- Mobile phone contacts are managed separately for each paired Bluetooth® device (max 5 devices x 5,000 contacts each). Previously downloaded data will be stored even if the Bluetooth® device has been disconnected. (However, the contacts and call history saved to the phone will be deleted if the paired phone is deleted.)
- Downloaded contacts could be lost depending on the state of the head unit. Always make sure to back up important data.

Using *Bluetooth®* Wireless Technology

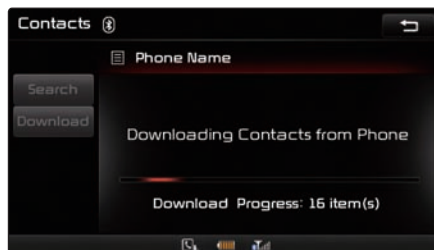
Downloading Mobile Phone Contacts

Press the **Download** button in the Contacts screen ► Press **Yes** .



i Information

- Time required to download contacts may differ depending on your mobile phone model or data size.



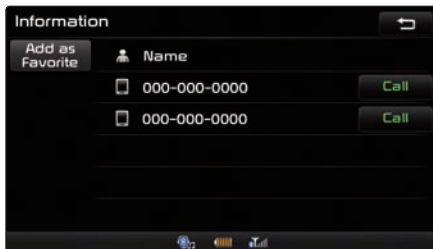
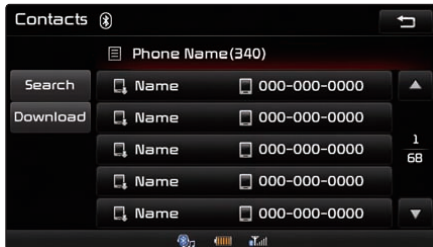
After Pairing is complete, a contacts download request is sent to your mobile phone. Some phones require additional confirmation. Please check your phone and accept the download request if necessary. (ex: Android and Blackberry phones)

i Information

- Upon downloading mobile phone contacts, the previous data is deleted.
- This feature may not be supported in some mobile phones.
- Upon downloading, contacts saved in your SIM and mobile phone are downloaded simultaneously.
- To change the contacts download settings, change the following menu setting.
i ► **Setup** ► **Bluetooth** ► **Contacts Download Setting** .
- When using Contacts Sync, the contacts and call histories within your mobile phone are automatically downloaded once Bluetooth® is connected.
- To turn this feature off, go to **i** ► **Setup** ► **Bluetooth** ► **Contacts Sync Setting** .

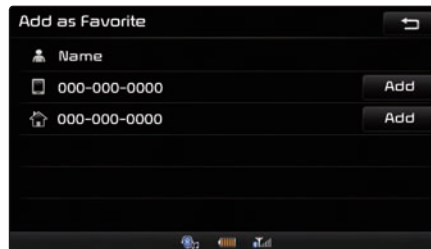
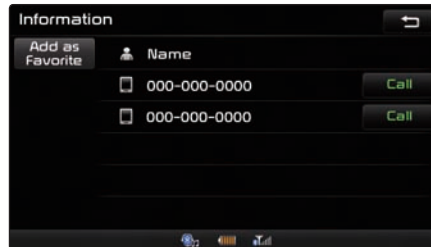
Checking Mobile Contacts Details

Select the desired phone number from the mobile contacts list to check details about the contact.



Adding as a Favorite

Select number from the Contacts screen ► Within the details screen, press **Add as Favorite** ► Press **Add** .



Information

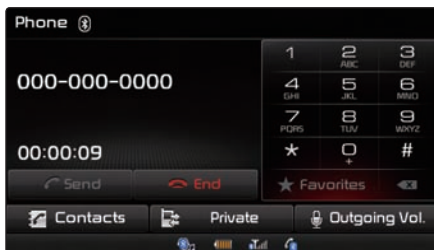
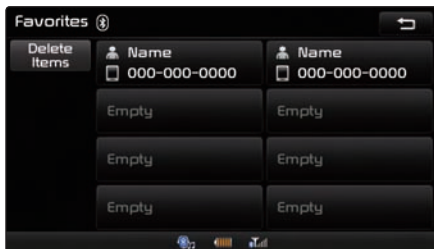
- Up to 8 Favorites can be added.
- Saved Favorites can be viewed by pressing the **★ Favorite** button in the Phone screen.
- The Favorites Information screen is displayed only when there are more than 2 saved numbers.
- If there is only 1 saved number, then the number is directly saved to the Favorites list.

Using *Bluetooth®* Wireless Technology

Favorites

Calling Favorites

In Phone screen ► Press **★ Favorite**
► Select the desired Favorite ► Call is connected.

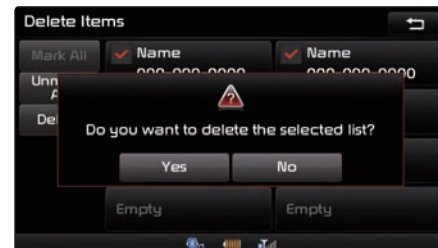
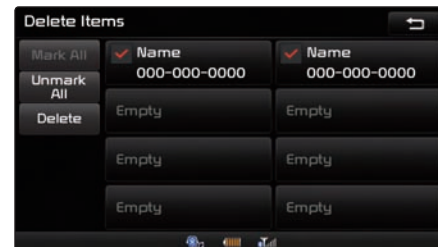


Information

- Favorites can be added through Phone
Contacts ► Select contact ► **Add as Favorite** .
- Up to 8 Favorites can be added and Favorites can be used only when a Bluetooth® device has been connected.

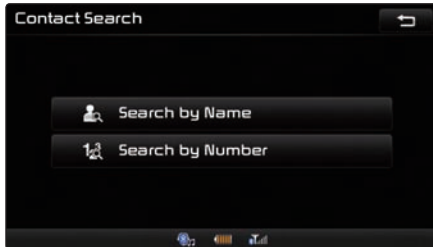
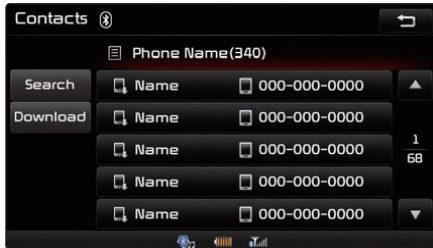
Selecting/Deleting Favorites

In Favorites screen ► Press **Delete Items**
► Select items you want to delete and press **Delete** ► Press **Yes** .



Searching Contacts

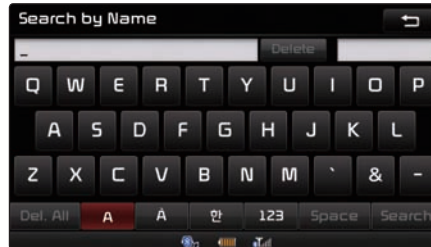
In Phone screen ► Press **Search** .



Search by Name

Press the **Search by Name** button ►

Enter name and press **Search** .



i Information

- When searching for a number it is possible to search by entering just a part of the name.

Searching by Number

Press the **Search by Number** button ►

Enter number and press **Search** .



i Information

- When searching a number, it is possible to search by entering just a part of the entire number.
(ex : if you enter "1544", all numbers that include "1544" will be searched.)

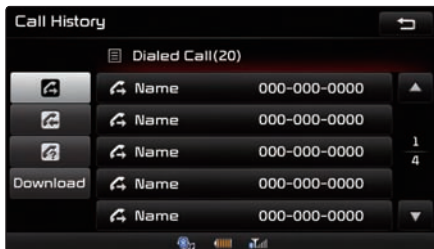
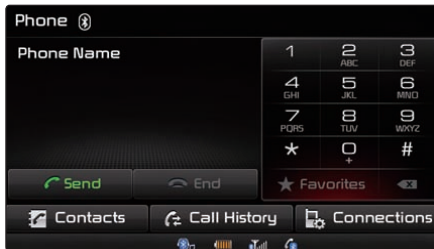
Using *Bluetooth®* Wireless Technology

Call History

Entering Call History Screen

Within the Phone screen, press the

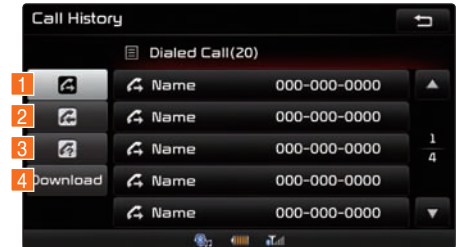
Call History button.



Information

- The call history may not be saved in the call history list in some mobile phones.
- Calls received with hidden caller ID will not be saved in the call history list.

Call History Screen Configuration

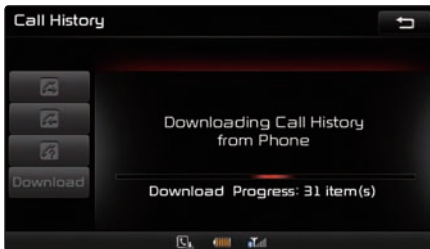
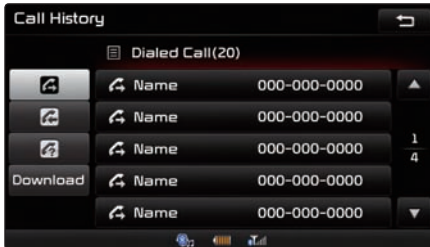


Name	Description
1 Dialed Call	Displays the outgoing call history list
2 Received Call	Displays the incoming call history list
3 Missed Call	Displays the missed call history list
4 Download	Downloads call history from mobile phone

Downloading Call History

In Call History screen ► Press

Download .



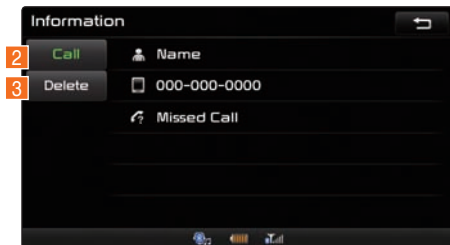
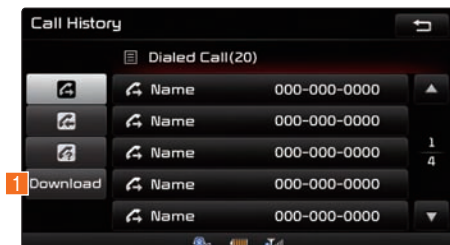
i Information

- Up to 20 dialed, incoming, and missed call history lists can be downloaded. The dialed/incoming time and call time information are not supported.
- Sorting call histories by time is not supported.
- It is possible to download call history even during a call or during Bluetooth® streaming audio.
- When downloading call histories, the  icon will be displayed within the status bar.
- It is not possible to start downloading when the call history download feature is turned off within the Bluetooth® device. Also some devices may require device authorization upon attempting to download call history. If downloading cannot be normally conducted, check the Bluetooth® device settings or the screen state.
- The download feature may not be supported in some mobile phones. Check to see that the Bluetooth® device supports the download feature.
- After Pairing is complete, a contacts download request is sent to your mobile phone. Some phones require additional confirmation. Please check your phone and accept the download request if necessary. (ex: Android and Blackberry phones)
- For more information on mobile phone compatibility, visit the Kia Motor website (<http://www.kia.com/bluetooth>).

Using *Bluetooth®* Wireless Technology

Viewing Call History Information

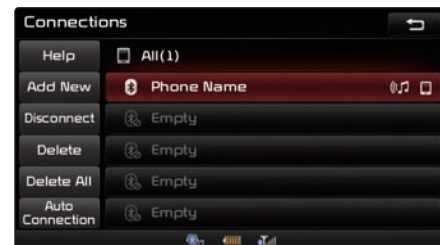
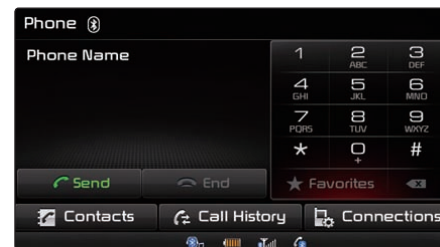
Within the Call History screen, select the wanted call.



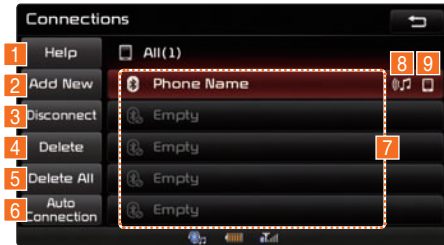
Name	Description
1 Download	Download call histories from mobile phone
2 Call	Calls the number
3 Delete	Deletes the call history

Setting Bluetooth® Connection

Press the **Connections** button on the Phone screen.



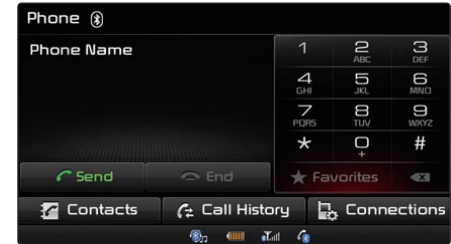
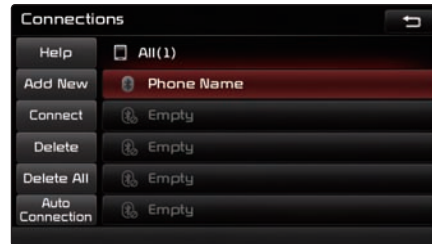
Connections Menu



Name	Description
1 Help	Displays Bluetooth® Help screen
2 Add New	Pairs a new Bluetooth® device
3 Connect/ Disconnect	Connects/disconnects a Bluetooth® device
4 Delete	Deletes a paired Bluetooth® device
5 Delete All	Deletes all paired Bluetooth® devices
6 Auto Connection	Sets Bluetooth® device auto connection when car ignition is turned on
7 Paired Device List	Shows list of paired Bluetooth® devices
8 Streaming Connection State	Shows Bluetooth® Streaming connection state
9 Handsfree Connection State	Shows Bluetooth® Handsfree connection state

Connecting a Device

Select the device you wish to connect from the list ► Press **Connect**



The Phone screen is displayed once Bluetooth® Handsfree is connected, and the Bluetooth® Audio screen is displayed once audio streaming is connected.

Using *Bluetooth®* Wireless Technology

Pairing a New Device

For more information on pairing, refer to the When no phones have been paired' section.

i Information

- Bluetooth® features supported within the vehicle are as follows. Some features may not be supported depending on your Bluetooth® device.
 - Answering and placing Bluetooth® Handsfree calls
 - Menu operation during call (Switch to Private, Switch to Call Waiting, Outgoing Volume
 - Download Call History
 - Download Mobile Contacts
 - Download SIM Contacts
 - Contacts/ Call History Auto Download
 - Bluetooth® device auto connection
 - Playing Bluetooth® Streaming Audio
- It is possible to pair up to five Bluetooth® devices to the car system.

- Only one Bluetooth® device can be connected at a time.
 - Other devices cannot be paired while a Bluetooth® device is already connected.
 - When a Bluetooth® device is in the process of connecting, the connection process cannot be canceled.
 - Only Bluetooth® Handsfree and Bluetooth® Audio related features will operate within this system.
 - Normal operation is possible only for devices that support handsfree or audio features, such as a Bluetooth® mobile phone or a Bluetooth® audio device.
 - Only one function can be used at a time between the Bluetooth® handsfree and Bluetooth® audio. (While playing Bluetooth® audio, streaming will end upon entering the Bluetooth® phone screen.)
-

i Information

- If a connected Bluetooth® device becomes disconnected for various reasons, such as being out of range, turning the device OFF, or a Bluetooth® communication error, Bluetooth® devices are automatically searched and connected.
- If the system becomes unstable due to communication errors between the vehicle and the Bluetooth® device, reset the Bluetooth® feature and try again. Upon resetting Bluetooth® feature, the system is restored to its factory release state.

Press the   key ▶  **Setup** ▶

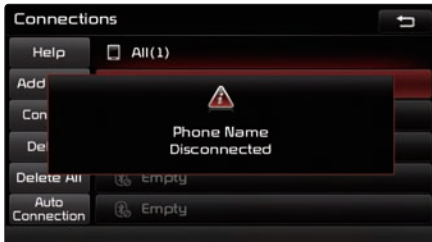
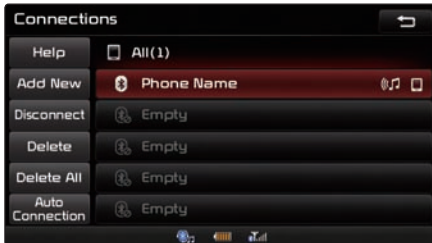
 **Bluetooth** ▶ **Advanced Settings**

▶ **Restore Factory Settings** .

Disconnecting a Device

Select the device you wish to disconnect

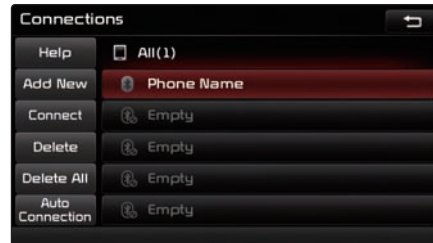
► Press **Disconnect** ► Press **Yes**



Deleting a Device

Select the device you want to delete ►

Press **Delete** ► Press **Yes**



A device cannot be deleted if it is connected. To delete a paired device, first disconnect the Bluetooth® connection and then delete the paired device and then delete the paired device.

Press **Delete All** to delete all paired Bluetooth® devices.

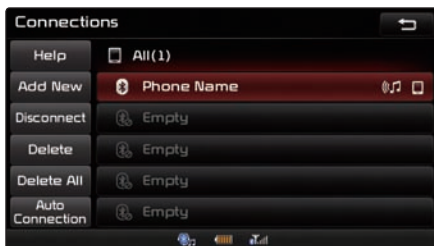
i Information

- If a paired phone is deleted, its call history and contacts lists will also be deleted.

Using *Bluetooth®* Wireless Technology

Setting Auto Connection

Press the **Auto Connection** button ►
Select the desired option ► Set and
press **Done** .



The Bluetooth® device will automatically be connected according to the option set when the car ignition is turned on.

When the user selected phone cannot be connected, the system automatically attempts to connect the most recently connected phone. When the most recently connected phone cannot be connected, the system attempts to connect all paired phones continuously. If you do not want to connect automatically, turn off Bluetooth within your mobile phone.

Information

- The **Auto Connection** button is a short-cut menu to go to   ►  **Setup** ►  **Bluetooth** ► **Connections** ► **Auto Connection** .

5 Voice Recognition

- Using Voice Recognition
- Voice Command Lists

CAR AVN SYSTEM

Using Voice Recognition

Using Voice Recognition

Creating a suitable cabin environment

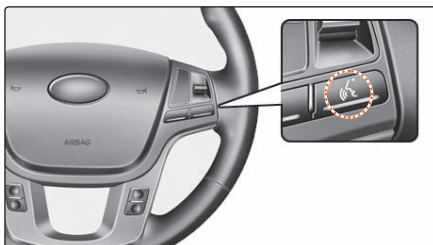
- ❑ When using the voice recognition feature, only commands listed within the user's manual are supported.
- ❑ Be aware that during the operation of the voice recognition system, pressing some keys other than the  key will terminate voice recognition mode.
- ❑ For superior voice recognition performance, position the microphone used for voice recognition above the head of the driver's seat and maintain a proper position when saying commands.
- ❑ Within the following situations, voice recognition may not function properly due to external sound.
 - When the windows and sunroof are open
 - When the wind of the cooling/heating device is strong
 - When entering and passing through tunnels
 - When driving on rugged and uneven roads
 - During severe rain (heavy rains, windstorms)
- ❑ After downloading the Bluetooth® contacts, it takes some times to convert the contacts into voice information. During this time, voice recognition may not properly operate.
- ❑ Pronounce the voice commands naturally and clearly as if in a normal conversation.
- ❑ The system may slow down slightly when using the Navigation to calculate a new route or re-calculating an existing route. In such cases, use voice recognition features after waiting a few moments.

Starting Voice Recognition

Starting Voice Recognition

Shortly press the  key on the steering remote controller (under 0.8 seconds)

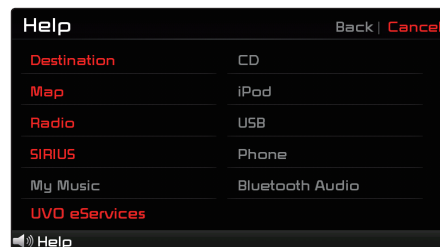
► Say a command.



Once voice recognition starts, the voice command entry window and the six representative commands are displayed.

- If voice recognition is in [Normal Mode], then the system will say "Please say a command after the beep", followed by a beep tone.
- If voice recognition is in [Expert Mode], then you will only hear a beep.

(e.g. screen displayed when 'Help' is said)



NOTICE

- For proper recognition, say the command after the voice instruction and beep tone.

i Information

- To change the Normal/Expert setting, press the  key ► Press  **Setup** and enter the Voice Recognition settings screen.

Skipping Prompt Messages

While prompt message is being stated

- Shortly press the  key on the steering remote controller. (under 0.8 seconds)

The prompt message is immediately ended and the beep tone will sound. After the "beep", say the voice command.

Using Voice Recognition

Re-starting Voice Recognition

While system waits ► Shortly press the  key on the steering remote controller. (under 0.8 seconds)

The command wait state will end and the beep tone will sound. After the "beep", say the voice command.

Ending Voice Recognition

While Voice Recognition is operating ► Press and hold the  key on the steering remote controller. (over 0.8 seconds)



While using voice recognition, pressing a steering wheel remote control or a different key will end voice recognition.

Information

- In a state where the system is waiting for a voice command, say "cancel" or "exit" to end voice recognition.
- You can also press and hold the  key on the steering remote controller to end voice recognition.

Using Voice Recognition

Press the  key on the steering remote controller (under 0.8 seconds). The voice command entry window and the six representative commands are displayed.

Information

- If voice recognition is set to 'Expert', then the 'Please say a command after the beep' prompt will not be provided. Only the 'beep' will sound.
- If voice recognition is set to 'Expert', then the six representative commands are not shown on the screen.
- After the 'Beep', the  icon will change to the  icon to indicate that a command can now be stated.

Adjusting Voice Recognition Volume

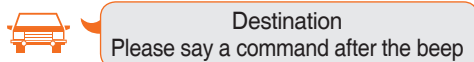
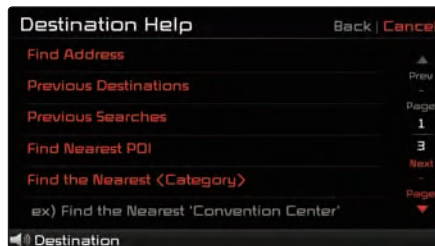
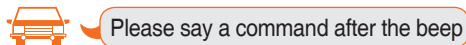
While Voice Recognition is operating ►
Turn the  VOL knob left/right to adjust the voice recognition prompt volume.



Using Voice Recognition

Illustration on Using Voice Recognition (Setting Home as the Destination)

Press the  key (under 0.8 seconds).
The system awaits for your command and display a list of accessible commands on the screen.



Voice Command Lists

Voice Command List

Voice commands within this system are categorized into "Common Commands" and "Mode Commands."

- Common Commands (●) : commands that can be used in all situations.
- Mode Commands (○) : commands that can be used in specific multimedia/navigation/Bluetooth® mode states.

Information

- Some commands will operate properly only when a USB, iPod, Bluetooth® or other device has been connected.

Help Command List

Command		Operation
●	Help	Displays the main Help screen
●	Destination Help	Displays the Destination related command list
●	Map Help	Displays the Map related command list
●	Radio Help	Displays the FM/AM radio related command list
●	SIRIUS Help	Displays the SIRIUS radio related command list
●	Disc Help	Displays the DISC mode related command list for the disc inserted in the CD Player
●	iPod Help	Displays the iPod related command list
●	USB Help	Displays the USB related command list
●	Phone Help	Displays the Phone related comand list
●	UVO eServices Help (Optional)	Display the UVO eServices releated command list

Voice Command Lists

Audio System Command List

FM/AM Radio

Command		Operation
● Radio		Plays the most recent frequency for the most recently operated band
● (Radio) AM		Plays the most recent frequency for the corresponding band
● (Radio) FM		Plays the most recent frequency for the corresponding band In the case of FM. The most recent frequency within the most recently played FM1 or FM2 band is played
● FM1/FM2		Plays the most recent frequency for the corresponding band
● AM <530~1710>		Plays the desired AM band frequency (e.g. AM "Five-Hundred Thirty")
● FM <87.5~107.9>		Plays the desired FM band frequency (e.g. FM "Eighty-Seven point Five")
● AM Preset <1~6>		Plays the desired AM band preset frequency
● FM1 Preset <1~6>		Plays the desired FM1 band preset frequency
● FM2 Preset <1~6>		Plays the desired FM2 band preset frequency

Command		Operation
○ Preset <1~6>		Plays the desired preset frequency for the current band
○ Seek Up		Searches and plays the next frequency of the current band
○ Seek Down		Searches and plays the previous frequency of the current band
○ Preset Up		Plays the next preset frequency of the current band
○ Preset Down		Plays the previous preset frequency of the current band
○ Auto Store		Searches all frequencies within the current band and stores the 6 frequencies with the most superior reception as preset buttons
○ Scan On		Scans receivable frequencies from the current broadcast and plays for 10 seconds each
○ Scan Off		Ends the currently operating Scan or Preset Scan feature
○ Preset Scan		Plays through all presets 10 seconds each, beginning with the current preset

SIRIUS Radio

Command	Operation
● SIRIUS	Plays the last channel within the last band from SIRIUS1, SIRIUS2, and SIRIUS3
● SIRIUS1/SIRIUS2/SIRIUS3	Plays the most recent channel for the corresponding band
● SIRIUS Channel <1~223>	Plays the desired SIRIUS band channel (e.g. SIRIUS channel "Eleven")
● SIRIUS1 Preset <1~6>	Plays the desired preset channel for SIRIUS1 band
● SIRIUS2 Preset <1~6>	Plays the desired preset channel for SIRIUS2 band
● SIRIUS3 Preset <1~6>	Plays the desired preset channel for SIRIUS3 band
○ Channel <1~223>	Plays the desired channel of the current band
○ Preset <1~6>	Plays the desired preset channel of the current band
○ Channel Up	Plays the next channel of the current band
○ Channel Down	Plays the previous channel of the current band

Command	Operation
○ Preset Up	Plays the next preset channel of the current band
○ Preset Down	Plays the previous preset channel of the current band
○ Scan On	Scans receivable channels from the current broadcast and plays for 10 seconds each
○ Scan Off	Ends the currently operating Scan or Preset Scan feature
○ Preset Scan	Plays through all presets for 10 seconds each, beginning with the current preset

Voice Command Lists

CD(Audio Type)

Command		Operation
●	CD	If the DISC inserted in the CD Player is either a CD or MP3 DISC, then the CD or MP3 will be played
●	CD Track <1~99>	If the DISC inserted in the CD Player is a CD, then CD Mode will start and plays the desired track
○	Play	Plays the currently paused song
○	Pause	Pauses the current song
○	Next Track	Plays the next track
○	Previous Track	Plays the previous track
○	Repeat On	Repeats the current track
○	Repeat Off	Cancels repeat play to play tracks in sequential order
○	Shuffle On	Randomly plays the tracks within the CD
○	Shuffle Off	Cancels random Play to play tracks in sequential order
○	Scan On	Plays each file for 10 seconds beginning with the current file
○	Scan Off	Ends the currently operating Scan feature
○	Track <1~99>	Plays the desired track number

CD(MP3 Type)

Command		Operation
●	CD	If the DISC inserted in the CD Player is either a CD or MP3 DISC, then the CD or MP3 will be played
○	Play	Plays the currently paused song
○	Pause	Pauses the current song
○	Next File	Plays the next track
○	Previous File	Plays the previous track
○	Next Folder	Plays the first file in the next folder
○	Previous Folder	Plays the first file in the previous folder
○	Repeat On	Repeats the current file
○	Repeat Off	Cancels repeat play to play files in sequential order
○	Repeat Folder	Repeats all files in the current folder
○	Shuffle On	Plays all files within the CD in random order
○	Shuffle Off	Cancels random play to play files in sequential order
○	Shuffle Folder	Randomly plays the files within the current folder
○	Scan On	Plays each file in the folder for 10 seconds beginning with the current file
○	Scan Off	Ends the currently operating Scan or Folder Scan feature
○	Folder Scan	Plays each file in the folder for 10 seconds beginning with the current file

USB Music

Command	Operation
● USB	If the USB has been connected to the device, play the MP3 or image files within the USB
● USB Music	If the USB has been connected to the device, plays the MP3 files within the USB
○ Play	Plays the currently paused song
○ Pause	Pauses the current song
○ Next File	Plays the next track
○ Previous File	Plays the previous track
○ Next Folder	Plays the first file in the next folder
○ Previous Folder	Plays the first file in the previous folder
○ Repeat On	Repeats the current file
○ Repeat Off	Cancels repeat play to play files in sequential order
○ Repeat Folder	Repeats all files in the current folder
○ Shuffle On	Plays all files within the USB in random order
○ Shuffle Off	Cancels random play to play files in sequential order
○ Shuffle Folder	Randomly plays the files within the current folder
○ Scan On	Plays each file in the folder for 10 seconds beginning with the current file
○ Scan Off	Ends the currently operating Scan or Folder Scan feature
○ Folder Scan	Plays each file in the folder for 10 seconds beginning with the current file

USB Image

Command	Operation
● USB	If the USB has been connected to the device, play the MP3 or image files within the USB
● USB Image	If the USB has been connected to the device, displays the image files within the USB
○ Next File	Displays the next image file
○ Previous File	Displays the previous image file
○ Next Folder	Displays the first image file within the next folder
○ Previous Folder	Displays the first image file within the previous folder

Voice Command Lists

iPod

Command		Operation
●	iPod	Plays the songs within the iPod if the iPod has been connected to the device
○	Play	Plays the currently paused song
○	Pause	Pauses the current song
○	Next Song	Plays the next song
○	Previous Song	Plays the previous song
○	Repeat On	Repeats the current file
○	Repeat Off	Cancels repeat play to play files in sequential order
○	Shuffle On	Plays all files within the current category in random order
○	Shuffle Off	Cancels random play to play files in sequential order

My Music

Command		Operation
●	My Music	Plays the songs within the My Music
○	Play	Plays the currently paused song
○	Pause	Pauses the current song
○	Next File	Plays the next file
○	Previous File	Plays the previous file
○	Repeat On	Repeats the current file
○	Repeat Off	Cancels repeat play to play files in sequential order
○	Shuffle On	Plays all files within the current category in random order
○	Shuffle Off	Cancels random play to play files in sequential order
○	Scan On	Plays each file in the folder for 10 seconds beginning with the current file
○	Scan Off	Ends the currently operating Scan or Folder Scan feature

Others

Command	Operation
● Audio On	Turns on the Audio
● Audio Off	Turns off the Audio
● Bluetooth Audio	Plays Bluetooth® Audio
● Auxiliary	Plays the connected auxiliary device

Phone Command List

Command	Operation
● Call Name	Makes the call to the name
● Call <Name>	Call <Name> saved in Contacts (e.g. Call "John")
● Dial Number	Makes the call to the number
● Dial <Number>	Call can be made by dialing the spoken numbers (e.g. Dial "123")
● Contacts	Displays list of saved contacts Say the name to connect the call to the corresponding contact
● Recent Calls	The user can select a number from the outgoing, incoming, and missed calls
● Redial	Connects the most recently called number

UVO eServices Command List(Optional)

Command	Operation
● UVO eServices	Display the UVO eServices related command list
● Roadside Assist	Connect with a Roadside Assist agent.
● eService Guide	Provides guidance on how to use UVO eServices
● Vehicle Diagnostics	Informs you if a diagnostic issue is found in your vehicle
● My POIs	Show Points of Interest list which downloaded from Google Maps and MyUVO

Voice Command Lists

Navigation Command List

Destination

Command		Operation
●	Find Address	Sets the destination through address search for route guidance
●	Previous Destinations	Sets the previous destination as the current destination
●	Previous Searches	Sets one of the previous searches as the current destination
●	Find Nearest POI	Sets a POI near the current position as the destination for route guidance through the POI category search
●	Find the Nearest <POI Category>	Sets a POI near the current position as the destination by directly inputting the POI name for route guidance (e.g. Find the Nearest "Restaurants") For more information on <POI Category>, refer to Page 3-30.
●	Destination POI by Phone Number	Sets the destination by searching the phone number of the facility
●	Find Emergency Police station	Searches for a police station near the current position and sets it as the destination for route guidance
●	Find Emergency Hospital	Searches for a hospital near the current position and sets it as the destination for route guidance

Command		Operation
●	Find Emergency Dealership	Searches for a dealership near the current position and sets it as the destination for route guidance
●	My Places	Sets one of the list of previously registered addresses in the My Places as the destination
●	Go Home	Sets the previously registered home address as the destination for route guidance
●	Go to Office	Sets the previously registered office address as the destination for route guidance
●	Previous Start Positions	Sets the previous start position as the current destination
●	Favorite Place <1 ~ 4>	Sets a previously registered favorite place as the destination for route guidance

Map

Command	Operation
● Map Current Location	Displays the current position of the vehicle
● Voice Guidance On	Turns the Voice Guidance On
● Voice Guidance Off	Turns the Voice Guidance Off
● Voice Guidance Louder	Increases the Voice Guidance volume by 1 level
● Voice Guidance Softer	Decreases the Voice Guidance volume by 1 level
● Repeat Voice Guidance	Repeats the route guidance
● Cancel Route	Deletes the designated destination and terminates the route guidance
○ Detour <1, 2, 5, 10> mile(s)	Searches detour routes within a <1, 2, 5, 10> mile(s) radius
○ Detour <1, 2, 5, 10> kilometer(s)	Searches detour routes within a <1, 2, 5, 10> kilometer(s) radius
● Distance to Destination	Reports the remaining distance until destination by voice
● Time to Destination	Reports the remaining time until destination by voice
○ Store Marked Location to <Text Tag> (ex : Store Marked Location to "User 1")	Registers the selected location into the selected Address book
● Replan Faster Time Route	Recalculates the route with faster time route

Command	Operation
● Replan Shorter Distance Route	Recalculates the route with shorter distance route
○ Zoom In/Zoom Out	Decreases/Increases the map zoom by one level
○ Zoom <Scale>	Displays the map in the corresponding zoom <scale> : 150, 300, 700 feet/0.25, 0.5 miles/1 mile/2, 4, 8, 16, 32, 64, 130, 250 miles 50, 100, 200, 400, 800 meters/1.6, 3.2, 6.4, 12, 25, 50, 100, 200, 400 kilometers
○ Zoom Maximum	Displays the map screen in the maximum zoom level
○ Zoom Minimum	Displays the map screen in the minimum zoom level
○ View Route	If the destination has been set, displays the entire route on the screen until the destination
○ Auto Zoom On	Turns the Auto Zoom feature on
○ Auto Zoom Off	Turns the Auto Zoom feature off
○ Auto Mode	Automatically converts the map display between daylight and night mode
○ Daylight Mode	Converts the map display into daylight mode
○ Night Mode	Converts the map display into night mode
○ North Up	Displays the map in North Up mode
○ Heading Up	Displays the map in Heading Up mode

Voice Command Lists

POI Category List

Restaurants
African Restaurants
American Restaurants
Asian Restaurants
Chinese Restaurants
Coffee Shop
Continental Restaurants
Fast Food
French Restaurants
Italian Restaurants
Japanese Restaurants
Korean Restaurants
Latin American Restaurants
Mexican Restaurants
Seafood Restaurants
Vegetarian Restaurants
Other Restaurants
Automotive
Auto Parts
Auto Service
Automobile Dealership
Car Wash
Gas Station
Hyundai Dealership
Motorcycle Dealership
Parking

Rest Area
Road Assistance
Travel
Airport
Bus Station
Campground
City Center
Ferry Terminal
Hotel
Local Transit
Rental Car Agency
Tourist Attraction
Tourist Information
Train Station
Travel Agent
Shopping
Bookstore
Clothing Shop
Convenience Store
Department Store
Electronics Store
Gift Shop
Grocery Store
Home Specialty Store
Music Store
Pharmacy

Shoe Store
Shopping Center
Sporting Goods Store
Recreation
Amusement Park
Cinema
Golf Course
Museum
Recreation Area
Ski Resort
Sports Activities
Sports Complex
Video & Game Rental
Winery
Other Recreation
Financial Services
ATM
Bank
Business Facility
Check Cashing Service
Money Transfer
Community
City Hall
Civic Center
Convention Center
Court House

Fire Department
Government Offices
Library
Police Station
Post Office
School
Utilities
Waste & Sanitary
Services
Attorney
Cleaning & Laundry
Communication Services
Dentist
Funeral Home
Hair & Beauty
Hospital
Medical Service
Mover Services
Photography
Physician
Social Service
Tailor & Alteration
Tax Service

6 Information

- UVO eServices(Optional)
- GPS Information
- Help

CAR AVN SYSTEM

The Crash Notification Assist feature may not operate in the following situations.

- ❑ When the vehicle ignition is not turned on
- ❑ When the system power supply is unstable
- ❑ When the phone Bluetooth® feature is set to off
- ❑ When the attempted call is blocked due to user operations
- ❑ When the phone Bluetooth® cannot be connected or becomes disconnected
- ❑ When the 9-1-1 call is unstable due to phone or other communication network issues
- ❑ When there are no phones paired with the vehicle
- ❑ When the call feature is not operating due to phone settings set by the user
- ❑ When calls are unavailable by being within out of service zones
- ❑ When the phone cannot be controlled via Bluetooth® due to phone states and characteristics
- ❑ When the power turns off due to phone power (battery) issues
- ❑ When a Bluetooth® device without phone feature support has been connected, such as an MP3 device
- ❑ When the system is booting

Using UVO eServices and Cautions

- ▣ Download the UVO eServices App and install it on your smartphone. The app can be downloaded from the Apple App Store or Google Play depending on the kind of smartphone you have.
- ▣ Pair and connect your smartphone with the vehicle. For information on connecting your Bluetooth device, refer to the smartphone user's manual and instructions on the Phone Help screen on your radio. Up to 5 Bluetooth devices can be paired with the vehicle.
- ▣ Login and activate the UVO eServices App on your smartphone.
- ▣ The first activated device paired with the vehicle is the Registered Phone. You can set another paired phone as the Registered Phone. Some UVO eServices features will only be available when the Registered Phone is connected with the vehicle via Bluetooth and the UVO eServices App is running.
- ▣ UVO eServices is fully compatible within some smartphones but may not operate properly within incompatible smartphones. To view the list of compatible smartphones, please visit MyUVO.com.
- ▣ Communication between the vehicle and smartphone app may temporarily break depending on the phone state.
- ▣ If the feature is not operating properly, you may need to reset the UVO eServices App or the smartphone to try again according to the following steps.
 1. Try again
 2. Reset smartphone app
 3. Re-connect BT
 4. Reset smartphone
 5. Delete BT and pair again
- ▣ Some services use the customer's mobile phone data plan for data communication.
- ▣ Use of the most up-to-date app version is recommended.
- ▣ For smartphone related inquiries, please visit MyUVO.com.

UVO eServices(Optional)

About UVO eServices

UVO eServices provides the following features through Bluetooth communication between the vehicle and your Smartphone.

Name	Description
1 Vehicle Diagnostics	Informs you if a diagnostic issue is found in your vehicle. If an issue is found, you can get reach a call center consultant through Roadside Assist or reserve an appointment through Schedule Service.
2 My POIs	Downloads Points of Interest to your navigation system from Google Maps and MyUVO.
3 Parking Minder	Save the location of your parked vehicle on your UVO eServices smartphone app. You can check where your vehicle is parked through the UVO eServices App on your smartphone.
4 Roadside Assist	If a diagnostic issue exists, you can connect with a Roadside Assist agent.
5 eServices Guide	Receive guidance on how to use UVO eServices.
6 Crash Notification Assist	If airbags are deployed due to a collision, your vehicle automatically places a call to 9-1-1 and sends your vehicle's location information to the 9-1-1 Operator.

To use UVO eServices, the following conditions must be met.

1. The UVO eServices smartphone app must be installed and you must log in using your MyUVO account credentials.
2. The smartphone must be connected via Bluetooth and registered with your vehicle's UVO eServices system.
3. Once this is complete, eServices must be activated (from the eServices Settings screen).

Before using UVO eServices

Installing the UVO eServices app on your smartphone

1. Download and install the UVO eServices app on your smartphone.

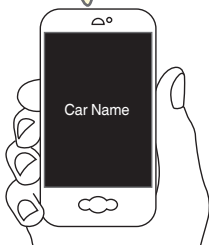
The app can be downloaded from the Apple App Store.

2. Register your vehicle and account at myuvo.com.

Note: myuvo.com is accessible from your phone's browser.

3. Start the UVO eServices app on your smartphone and log in.

Download and install the UVO eServices app on your smartphone.

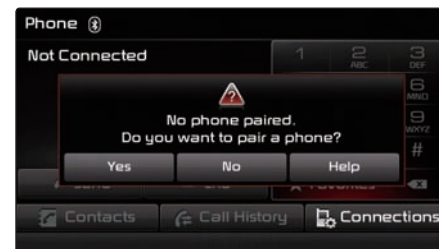


Connecting Bluetooth

Press the  key on the steering wheel or press the **PHONE** key on the UVO eServices system.



Press **Yes** on the touch screen when prompted to pair a phone.

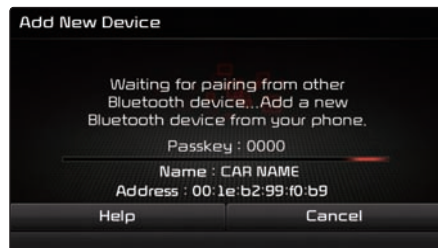


UVO eServices(Optional)

Pair a device from Bluetooth-enabled phone

1. Turn on the Bluetooth feature on your smartphone's Bluetooth settings screen.
2. Wait for "KIA MOTORS" to appear on your smartphone's Bluetooth settings screen. Note: "KIA MOTORS" may differ depending on your vehicle.
3. Select "KIA MOTORS" from your phone and enter the passkey shown on the touch screen.

The default passkey is "0000".



NOTICE

- Press the **Help** button on the touch screen to view the help section related to pairing and connecting Bluetooth® devices, and using handsfree related features.
- Help section can also be viewed by pressing the **i** key on the UVO eServices system, then pressing **i Info** button, followed by **Help** button and **Bluetooth** button on the touch screen.

Activating UVO eServices

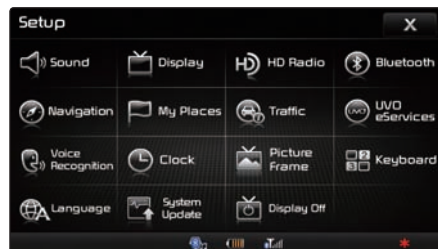
Press the **i** key.



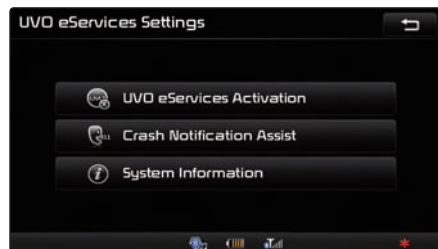
Press **Setup** icon



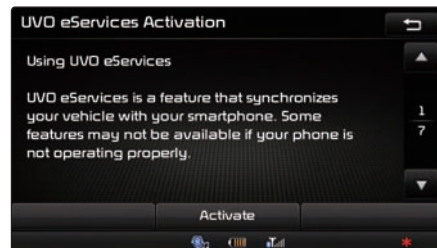
Press the **UVO eServices** icon.



Press the **UVO eServices Activation** button on the touch screen.



Before pressing the **Activate** button, ensure that you are running UVO eServices app on your smartphone and are logged in.



After pressing the **Activate** button, on the touch screen, the UVO eServices activation process will begin.



NOTICE

- The first phone that was activated with your UVO eServices system is automatically added as the Registered Phone.
- To change the Registered Phone, refer to **Setup** ► **UVO eServices** ► Changing Registered Phone section.

UVO eServices(Optional)

Vehicle Diagnostics

Conducting Vehicle Diagnostics

Vehicle Diagnostics is available only when the ignition is turned on and the vehicle is parked.

It also requires that UVO eServices is activated, and the Registered Phone is connected via Bluetooth before starting Vehicle Diagnostics.

Press the **i** key.



Press **Info/UVO** icon on the touch screen.



Press the **Vehicle Diagnostics** icon on the touch screen.



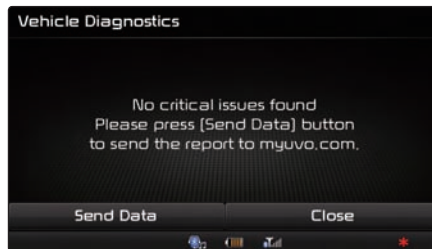
The Vehicle Diagnostics process will begin.

When a diagnostics check is in progress, keep the vehicle in park with the ignition on. To cancel diagnostics, press the Cancel button on the touch screen or any hardkey.

If diagnostic issues are found, press the **Roadside Assist** button to speak to a roadside assistance operator or press the **Schedule Service** button to schedule an appointment with your preferred or nearby Kia dealer.



Even if diagnostic issues are not found after Vehicle Diagnostics, it is recommended that you send the diagnostic results to your MyUVO account. Press the **Send Data** button to send the diagnostics results to your MyUVO account.



Schedule Service

When scheduling an appointment using the **Schedule Service** button, pressing the **Preferred** button will allow you to request an appointment with your preferred Kia dealer and send your vehicle's diagnostics information.

Pressing the **Nearest** button will allow you to request an appointment with the nearest Kia dealer and your vehicle's diagnostics information.



UVO eServices(Optional)

Press the **Preferred** or **Nearest** button.



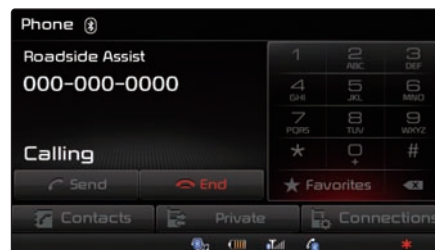
Diagnostics Data is transmitted to myuvo.com



Roadside Assist

If a diagnostics issue is found, you can connect with a Roadside Assist agent.

The Roadside Assist feature can be used only when your phone is connected via Bluetooth.



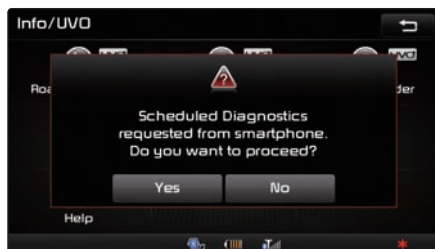
NOTICE

- Before using **Roadside Assist**, ensure your phone is connected to the UVO eServices system via Bluetooth.

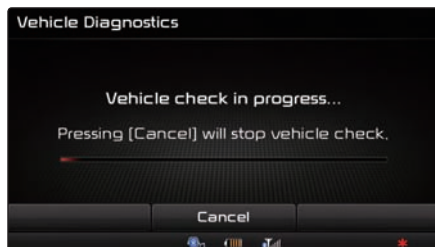
Scheduled Diagnostics

If you have set up Scheduled Diagnostics on your UVO eServices smartphone app, a vehicle diagnostics check will automatically start on the day you specified.

On the date of the Scheduled Diagnostics, the following window will be displayed.

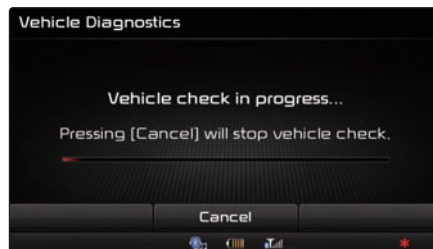


Press the **Yes** button on the touch screen to proceed with diagnostics.



Conducting Auto Diagnostics

If a critical diagnostics issue with your vehicle's powertrain is detected, you will be notified on your vehicle's touch screen.



NOTICE

- When diagnostics is in progress, do not drive the vehicle or turn off the ignition. To cancel diagnostics, press the **Cancel** button or any key.

UVO eServices(Optional)

My POIs

Sending Points of Interest to Your Navigation System

Press the **i** key.



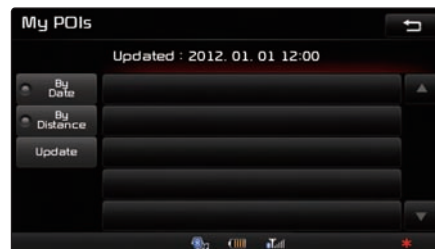
Press **i Info/UVO** icon on the touch screen.



Press the **My POIs** icon on the touch screen.



Press **Update** button on the touch screen.



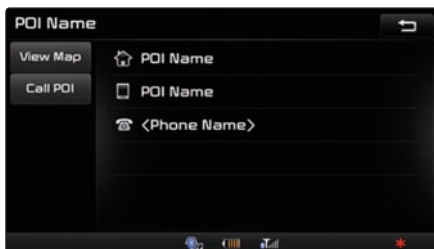
UVO eServices system will attempt to download the POIs from MyUVO via your smartphone.



NOTICE

- Ensure that you have logged in to the UVO eServices app, and your phone is connected to the UVO eServices system via Bluetooth connection.

Once the POIs have been downloaded, select a POI from the list to see more details.



Parking Minder

Sending Parking Location

The location where your vehicle is currently parked can be sent to your smartphone.

The Parking Minder feature is only available when the ignition is turned on and the vehicle is parked.

Ensure that the UVO eServices system is activated and the Registered Phone is connected via Bluetooth with the UVO eServices app running on your smartphone before using this feature.

After parking the vehicle, press the **i** key, then press **Info/UVO** icon on the touch screen.



Press the **Parking Minder** icon on the touch screen to send the vehicle's location to your smartphone.



UVO eServices(Optional)



Once the parking location has been sent, you can view your vehicle's location from the UVO eServices app on your smartphone.



NOTICE

- When the parking location is being sent, do not drive the vehicle or turn off the ignition. Ensure that you have logged in to the UVO eServices app, and your phone is connected to Navigation System through Bluetooth connection.

Roadside Assist

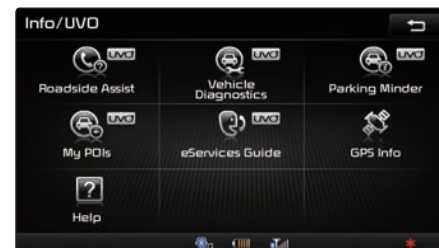
Roadside Assist

If a diagnostics issue is found, you can connect with a Roadside Assist agent.

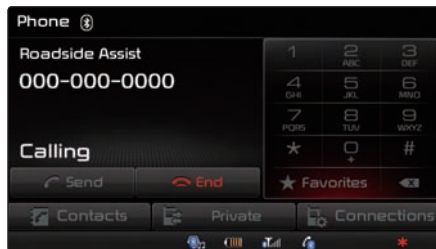
The Roadside Assist feature can be used only when your phone is connected via Bluetooth.

Press the **i** key, then press

Info/UVO icon on the touch screen.



Press the **Roadside Assist** icon on the touch screen to connect with a Roadside Assist agent.



eServices Guide

eServices Guide

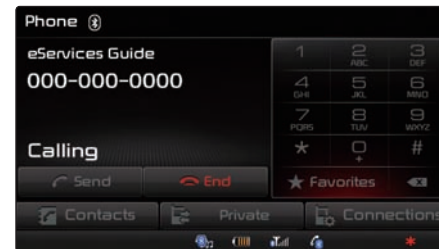
eServices Guide provides guidance on how to use UVO eServices.

This feature is only available when the mobile phone is connected via Bluetooth.

Press the **i** key, then press **Info/UVO** icon on the touch screen.



Press the **eServices Guide** icon on the touch screen to connect with a Roadside Assist agent.



UVO eServices(Optional)

Crash Notification Assist

Crash Notification Assist

If airbags are deployed due to a collision, your vehicle automatically places a call to 9-1-1 and sends your vehicle's location information to the 9-1-1 Operator.

The Crash Notification Assist feature is available only when the mobile phone is connected via Bluetooth.

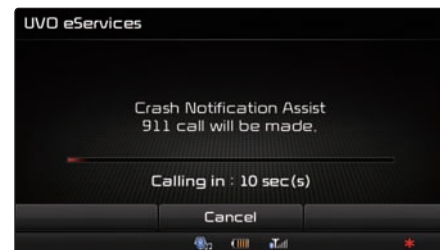
By default, this feature is turned off. To turn it on, you must turn it on in the eServices Settings menu. By enabling this feature, you are agreeing the Crash Notification Assist terms of use.

An icon is displayed at the bottom of the touch screen as shown below when Crash Notification Assist is enabled and a mobile phone is connected via Bluetooth.

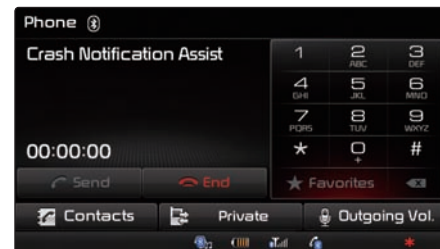


Making a 9-1-1 Call

When airbags are deployed due to an accident, the following screen is displayed and a call is automatically placed to 9-1-1 after 10 seconds.



Once a call is connected with a 9-1-1 Operator, it is possible to request emergency services to be dispatched to your location.

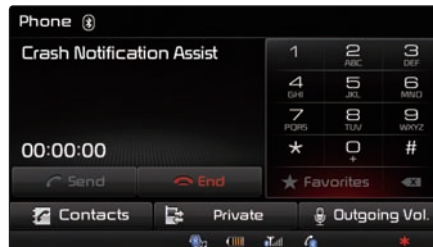


The 9-1-1 Operator may request information on the current location of your vehicle.

When the 9-1-1 Operator requests your vehicle location, “Sending Location” is displayed on the screen and the vehicle location is automatically sent to the 9-1-1 Operator.



When the 9-1-1 consultant attempts to call the driver again, the call time is displayed and allows the driver to speak with the 9-1-1 operator.



About GPS (Global Positioning System)

GPS (Global Position System) :

GPS is a system developed and operated by the United States that determines the user's current position (longitude, latitude, etc.) by using 4 or more satellites.

This system is used with related GPS information, various sensors, road map data, and other related information to provide navigation services.

Information

- For continued map updates, information-gathering and surveys are conducted continuously to monitor road changes or new road constructions. Nonetheless, roads, facilities, and fares are under constant change and it is impossible to completely remove all errors, including road updates, names, facilities, and fares. Please keep this in mind when using GPS.
 - In principle, roads with widths less than 3 yards are not included within the map data. Roads with sections with widths less than 3 yards may be deleted in future map data updates.
-

When GPS Info Cannot Be Used

GPS info may not operate under the following conditions :

- When buildings, tunnels, or other obstructions block satellite signals.
- When materials are placed above the GPS antenna and block satellite signals.
- When the satellite is not transmitting.
- When a digital cellular phone (1.5GHz) is placed near the GPS antenna.

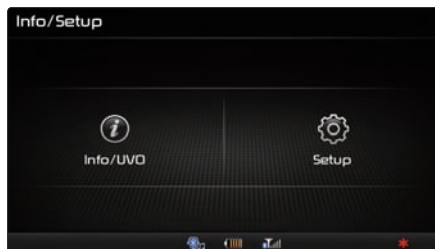
Errors Unavoidable Due to System Characteristics

- The navigation system uses GPS information, various sensors, road map data, and other related information to display the current position.
- Errors may occur if the satellite is transmitting inaccurate signals or only two or less satellite signals can be received.
- Errors that occur in such conditions cannot be corrected.

Viewing GPS Info

Press the **i** **⚙** key ▶ Press

i Info/UVO ▶ Press **⚙** GPS Info



The GPS reception and vehicle speed information are displayed.

i Information

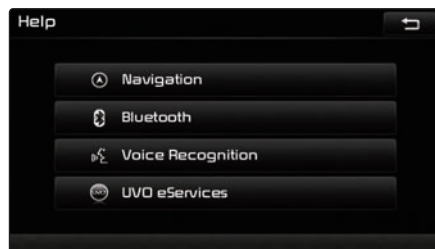
- UVO eServices are an optional feature equipped in select vehicles

Help

Viewing Help

Press the **i**  key ▶ Press

i Info/UVO ▶ Press **?** Help



Help sections on the Navigation, Bluetooth®, Voice Recognition and UVO eServices features can be selected and viewed.

i Information

- UVO eServices are an optional feature equipped in select vehicles

7 Other Features

- Climate Mode
- Rear Camera

CAR AVN SYSTEM

Climate Mode

Operating Climate Mode

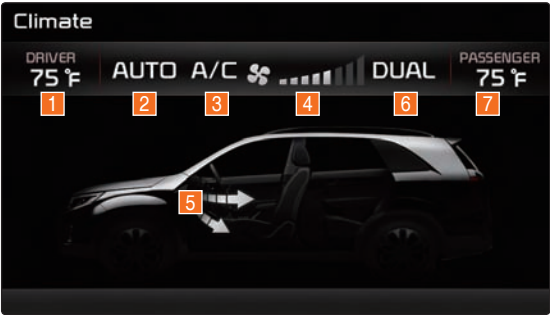
Press the **CLIMATE** key to display the Climate information screen.



i Information

- When operating in Multimedia or Navigation mode, pressing a Climate related key, such as **TEMP**, **AUTO**, **A/C** will display the Climate status bar at the top of screen.

Basic Mode Screen



Name	Description
1 Driver-side Temperature	Displays the driver-side temperature
2 AUTO Display	Displays whether the heating/cooling auto function is on/off
3 A/C Display	Displays whether the Air-conditioner is on/off
4 Fan Level Display	Displays the current fan level
5 Fan Direction Display	Displays the set fan direction
6 DUAL Display	Enables the driver/passenger temperature to be set independently
7 Passenger-side Temperature	Displays the passenger-side temperature

Climate Mode

Basic Operation

Controlling Driver/Passenger Temperature Simultaneously

Press the **DUAL** key to turn the DUAL setting off.



When DUAL is disabled, the driver-side and passenger-side temperatures are controlled simultaneously.

i Information

- The cabin temperature can be adjusted in 0.5°C units within a range of 63.5°F ~ 88.7°F
- The temperature will be displayed as LOW once it is adjusted below 63.5°F and HIGH once it is adjusted above 88.7°F.

Controlling Driver/Passenger Temperature Independently

Press the **DUAL** key to turn the DUAL setting back on.





When DUAL has been enabled, the driver-side and passenger-side temperatures can be controlled independently.

i Information

- When setting the driver-side temperature with DUAL on, DUAL will turn OFF once the driver-side temperature is set to LOW or HIGH.

Setting Fan Direction

Press the fan keys to change the fan direction.



i Information

- When setting the driver-side temperature with DUAL on, DUAL will turn OFF once the driver-side temperature is set to LOW or HIGH.

Climate Mode

Setting Fan Level

Press the  knob to change the fan level.



Information

- If the fan level is changed while in AUTO mode, AUTO mode will turn off.

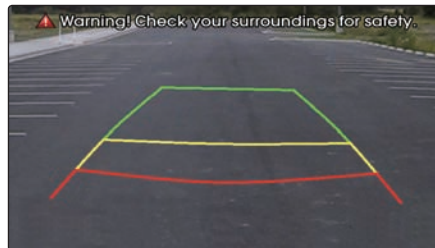
Rear Camera

About Rear Detection Camera

- This system has been equipped with a rear camera for user safety by allowing a wider rear range of vision.
- The rear camera will operate automatically when the ignition KEY is turned ON and the transmission lever is set to R. The rear camera will automatically stop operating when set to a different lever.

Operating sequence of the Rear Camera

1. Position the ignition key in ACC or ON.
2. Position the transmission lever to R.



3. The rear camera mode will be displayed on the screen.

i Information

- The rear camera has been equipped with an optical lens to provide a wider range of vision and may appear different from the actual distance. Check the rear and left/right firsthand for user safety.
- The rear camera section pertains only to customers who have purchased this optional installation.

8 Setup

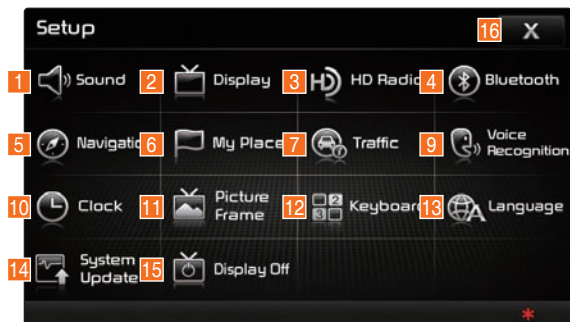
- Using Setup

CAR AVN SYSTEM

Using Setup

Basic Mode Screen

Press the **i**  key ► Press  **Setup** to display the Setup screen.



i Information

- UVO eServices are an optional feature equipped in select vehicles

Name	Description
1 Sound	Sets sound related settings
2 Display	Sets display related settings
3 HD Radio	Sets HD Radio related settings
4 Bluetooth	Sets Bluetooth® related settings
5 Navigation	Sets various settings found within Navigation mode
6 My Places	Set/Edit My Places within Navigation Mode
7 Traffic	Sets Traffic Information related settings
8 UVO eServices (Optional)	Sets UVO eServices related Settings
9 Voice Recognition	Sets voice recognition related settings
10 Clock	Sets current time and clock display
11 Picture Frame	Sets screen display when device is turned off
12 Keyboard	Sets the keyboard type
13 Language	Sets language for use within the system
14 System Update	Checks system software version and receives updates
15 Display Off	Turn device display on/off (The device power will not be turned off)
16 Close	Close Setup menu screen

Starting Mode

Press the **i** **⚙️** key ► Press **⚙️** **Setup** to display the Setup screen.



Within Setup, you can check and change the settings for all features found within the Navigation system.

Sound

Press the **i** **⚙️** key ► Press **⚙️** **Setup** ► Press **🔊** **Sound** .

Setting Balance/Fader

Press the **🔊** **Sound** button ► Press **Fader/Balance** ► Set and press **Done** .



Use the **▲** , **▼** , **◀** , **▶** buttons to move the cursor on the control screen to the desired position.

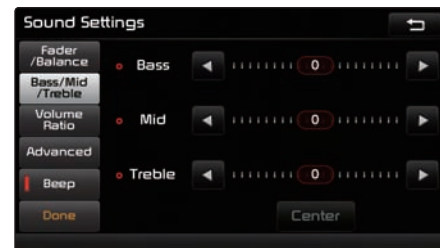
Press **Center** to restore sound to the center position.

i Information

- The Balance/Fader settings allows you to set the sound position. For example, you can set the sound close to the driver-seat so that the volume is relatively lower in the passenger or rear seats.

Setting Bass/Mid/Treble

Press the **🔊** **Sound** button ► Press **Bass/Mid/Treble** ► Set and press **Done** .



Use the **◀** or **▶** buttons to adjust the Bass/Mid/Treble settings.

Using Setup

i Information

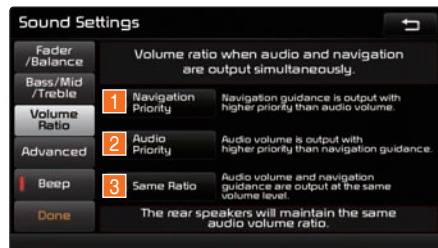
- Press the **Center** button to restore the Bass/Mid/Treble to the center position.

Setting Volume Ratio

Press the **Sound** button ► Press

Volume Ratio ► Set and press

Done .



These options are used to set the volume ratio by selecting from Navigation Priority/Audio Priority/Same Ratio.

Name	Description
1 Navigation Priority	Navigation guidance is output louder than audio Volume
2 Audio Priority	Audio volume is output louder than the navigation guidance
3 Same Ratio	Audio volume and navigation guidance are output in identical volume

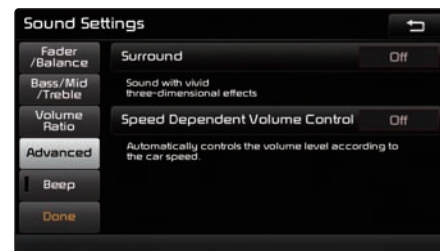
i Information

- The rear seat speaker will maintain its audio volume regardless of which volume ratio is selected.

Advanced

Press the **Sound** button ► Press

Advanced ► Set and press **Done** .



This is used to set the Surround and Speed Dependent Volume Control features.

Surround

When turned on, sound with vivid, three dimensional effects can be enjoyed.

Speed Dependent Volume Control

Press the **Sound** button ► Press

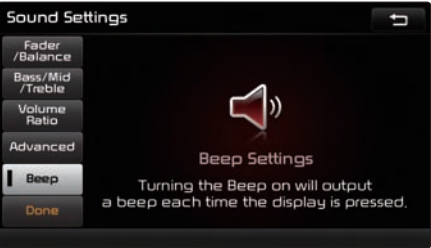
Advanced ► Turn the feature **On** ►

Set and press **Done** .

When turned on, volume level is controlled automatically according to the vehicle speed.

Setting Beep

Press the **Sound** button ▶ Press **Beep** ▶ Set and press **Done** .



Each press of this button turns the BEEP tone on/off.

i Information

- When the light on the left side of the button is turned on, this indicates that the BEEP tone is active. Press the **Beep** button again to turn off the BEEP tone.

Display

Press the **i** **Settings** key ▶ Press **Setup** ▶ Press **Display** .

Adjusting Brightness

Press the **Display** button ▶ Press **Brightness** ▶ Set and press **Done** .



Use the **◀** or **▶** buttons to adjust the display brightness.

Setting Display Mode

Press the **Display** button ▶ Press **Display Mode** ▶ Set and press **Done** .



Name	Description
1 Automatic	Adjusts the brightness automatically according to surrounding brightness
2 Daylight	Always maintains the brightness on high
3 Night	Always maintains the brightness on low

Using Setup

i Information

- When set to Automatic, the screen brightness and color will automatically be adjusted according to the surrounding brightness.

HD Radio™ Reception

Press the **i** **⚙** key ▶ Press **⚙** **Setup**
▶ Press **Ⓜ** **HD Radio** ▶ Set and press **Done**.

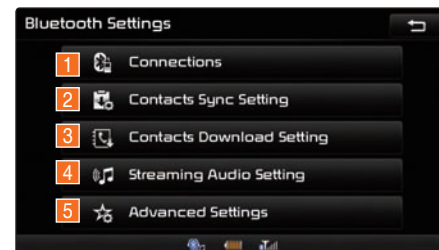


These settings are used to set whether to turn HD Radio™ reception On/Off.

Name	Description
1 FM-HD Radio	Used to turn FM-HD Radio reception On/Off
2 AM-HD Radio	Used to turn AM-HD Radio reception On/Off

Bluetooth

Press the **i** **⚙** key ▶ Press **⚙** **Setup**
▶ Press **Ⓛ** **Bluetooth**.

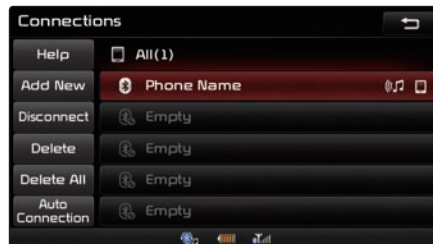


These menus allow you to set *Bluetooth®* Wireless Technology related features.

Name	Description
1 Connections	Manages the Bluetooth device list, such as pairing, connecting or deleting Bluetooth devices
2 Contacts Sync Setting	Automatically downloads the mobile phone contacts and call histories to the car upon connecting Bluetooth® device
3 Contacts Download Setting	Sets which Contacts to download from between Mobile or SIM contacts
4 Streaming Audio Setting	Sets whether to use the streaming audio feature
5 Advanced Settings	Sets Bluetooth® related settings, including Change Passkey, Change Device Information, Delete Favorites, Delete Call History and Restore Factory Settings

Connections

Manages the Bluetooth device list, such as pairing, connecting or deleting Bluetooth devices.



Contacts Sync Setting

Press **Bluetooth** button ► Press **Contacts Sync Setting** ► Set and press **Done**.



This feature automatically downloads the mobile phone contacts and call histories to the car upon Bluetooth® connection. If you do not wish to use Contacts Sync, turn the feature off.

i Information

- This feature may not be supported in some Bluetooth® devices.

Using Setup

Contacts Download Setting

Press **Bluetooth** button ► Press **Contacts Download Setting** ► Set and press **Done** .



You can select the contacts you wish to download.

Name	Description
1 Mobile Contacts	Download contacts saved in your mobile phone
2 SIM Contacts	Download contacts saved in SIM

Streaming Audio Setting

Press **Bluetooth** button ► Press **Streaming Audio Setting** ► Set and press **Done** .



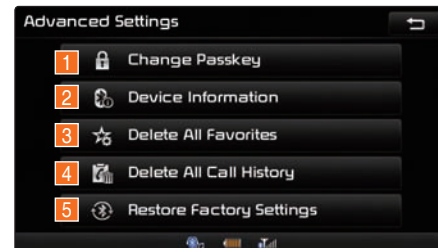
When Streaming Audio is turned On, you can play music files saved in your Bluetooth® device from the car.

i Information

- This feature may not be supported in some Bluetooth® devices.

Advanced Settings

Press **Bluetooth** button ► Press **Advanced Settings** .



Name	Description
1 Change Passkey	Changes the passkey used to authenticate Bluetooth® device
2 Device Information	Searches car Bluetooth® device information and change device name
3 Delete All Favorites	Deletes all favorites of connected Bluetooth® device
4 Delete All Call History	Deletes all call history of connected Bluetooth® device
5 Restore Factory Settings	Restores Bluetooth® factory state settings

Advanced Settings allow you to control additional *Bluetooth®* Wireless Technology related settings. For safety, first park the vehicle in a safe location to operate these features.

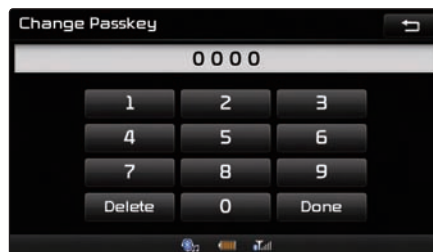
Change Passkey

Press **Bluetooth** ► Press

Advanced Settings ► Press

Change Passkey ► Set and press

Done .



This feature is used to change the passkey required to connect a Bluetooth® device to the car.

i Information

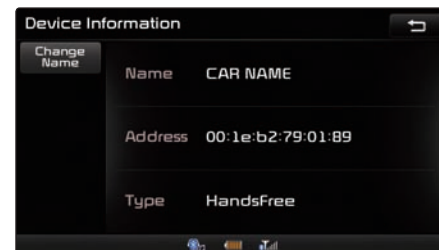
- The default passkey is 0000.

Device Information

Press **Bluetooth** ► Press

Advanced Settings ► Press

Device Information .



This feature allows you to check device information.

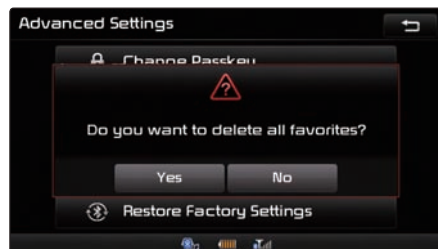
i Information

- Press the **Change Name** button to change the name of the device.
- The default car name is set to KIA MOTORS.
- The device name and address shown in the above is only an example. Check your device for the actual device information.

Using Setup

Delete All Favorites

Press **Bluetooth** ► Press
Advanced Settings ► Press
Delete All Favorites .



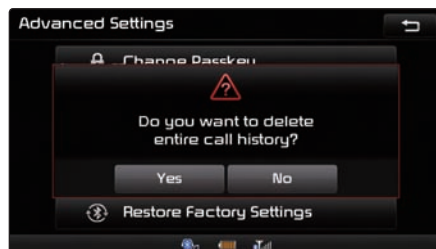
This feature allows you to delete all Favorites saved in the Car Handsfree for the currently connected Bluetooth® device.

i Information

- If there are no Favorites or a Bluetooth® device is not connected, the **Delete All Favorites** button will be disabled.

Delete All Call History

Press **Bluetooth** ► Press
Advanced Settings ► Press
Delete All Call History .



This feature allows you to delete all call histories saved in the Car Handsfree for the currently connected device.

i Information

- If there are no call histories or a Bluetooth® device is not connected, the **Delete All Call History** button will be disabled.

Restore Factory Settings

Press **Bluetooth** ► Press
Advanced Settings ► Press
Restore Factory Settings .



Turning on this feature will erase all paired phones and allows you to restore the factory default Bluetooth® settings.

i Information

- The **Restore Factory Settings** feature cannot be used when a Bluetooth® device is connected. To use this feature, first disconnect the Bluetooth® device.

Navigation

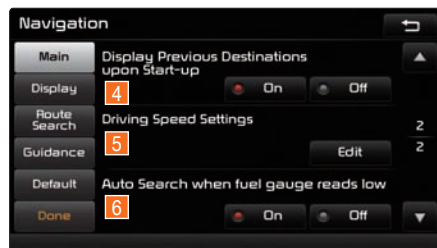
Press the **i** **⚙** key ► Press **⚙** **Setup**

► Press **⏏** **Navigation** .

Main

Press the **⏏** **Navigation** button ►

Press **Main** ► Set and press **Done** .



This menu is used to set general navigation options.

Name	Description
1 Unit	Sets whether to display distance as kilometers or miles
2 Estimated Time of	Sets whether to display estimated time of arrival or travel on the route info display screen
3 Distance and Time to	Sets whether to display distance and time to destination or to waypoint on the route info display screen
4 Display Previous Destinations upon Start-up	Sets whether to display the previous destinations popup upon starting system
5 Driving Speed Setting	Sets basic info to calculate estimated arrival time to destination or waypoint
6 Auto search when fuel gauge reads low	Automatically search for gas stations when fuel gauge reads low

i Information

- When you have finished with the settings, press the **Done** button to save changes.

Using Setup

Driving Speed Setting

Press the **Edit** button within the "Driving Speed Setting" menu to set the estimated driving speed for residential roads, main streets, and expressways. The set driving speed is applied to calculate the estimated time to reach the destination or waypoint.



The changed driving speed is used to calculate the estimated time until the destination or waypoint.

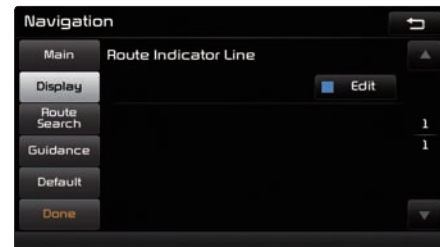
Press the **Default** button to reset the driving speed settings.

i Information

- Default Driving Speed Settings for Residential, Main Streets, and Expressways are 20mph, 35mph, and 60mph, respectively.

Display

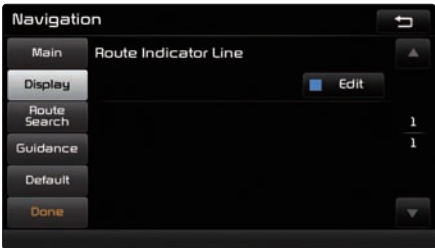
Press the **Navigation** button ► Press **Display** ► Set and press **Done**.



This menu is used to set the color of the Route Indicator line displayed when receiving route guidance.

Route Indicator Line

Press the **Edit** button within the Route Indicator Line menu to change the color of the route indicator line.

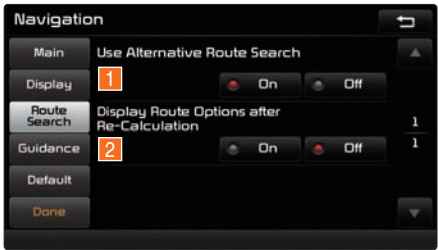


i Information

- When you have finished with the settings, press the **Done** button to save changes.

Route Search

Press the **Navigation** button ► Press **Route Search** ► Set and press **Done**.

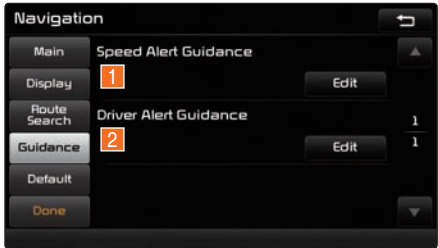


This menu is used to set route search related options.

Name	Description
1 Use Alternative Route Search	Set whether to first display alternative routes upon conducting route search
2 Display Route Options after Re-Calculation	Set whether to display the pop-up screen that allows changes to route options upon route recalculation

Guidance

Press the **Navigation** button ► Press **Guidance** ► Set and press **Done**.



This menu is used to set options on speed alerts and driver alerts.

Name	Description
1 Speed Alert Guidance	Set options related to various camera alerts
2 Driver Alert Guidance	Set options related to curves, and merges

Using Setup

Speed Alert Guidance

To change the Speed Alert Guidance option, press the **Edit** button within the "Speed Alert Guidance" menu.



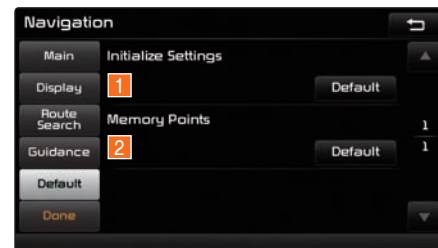
Driver Alert Guidance

To set the Driver Alert Guidance, option, press the **Edit** button within the "Driver Alert Guidance" menu.



Default

Press the **Navigation** button ► Press **Default** ► Set and press **Done**.



This menu is used to reset saved changes and user preferences.

Name	Description
1 Initialize Settings	Resets all settings back to the default state
2 Memory Points	Resets all saved memory point information

i Information

- Alerts provided within Driver Alert Guidance may differ depending on actual road conditions.

i Information

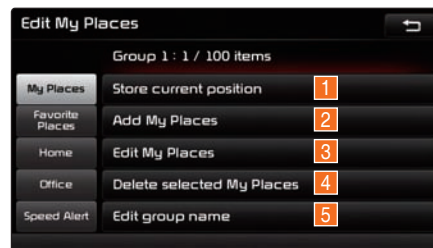
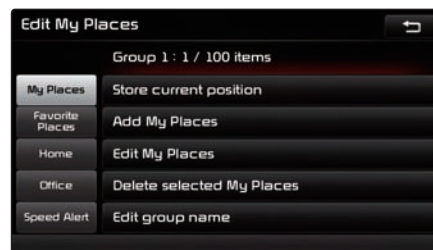
- If the settings of an option are reset, then all settings will be restored to the default factory state.
- Heed caution as Home, Office and other user locations may become deleted.

My Places

Press the **i** **⚙** key ► Press **⚙** **Setup**
 ► Press **📍** **My Places** .

My Places

Press the **📍** **My Places** button ► Press **My Place** ► Set and press **Done** .



From the My Places list, select the desired menu to either add, delete, or edit My Places.

Name	Description
1 Store current position	Add the current vehicle position as a My Place
2 Add My Places	Add a My Place by using search functions
3 Edit My Places	Edit information pertaining to saved My Places, such as name, location, and telephone number
4 Delete selected My Places	Delete one or all saved My Places
5 Edit group name	Edit name of corresponding group

i Information

- By default, names of folders have been set as "Group".

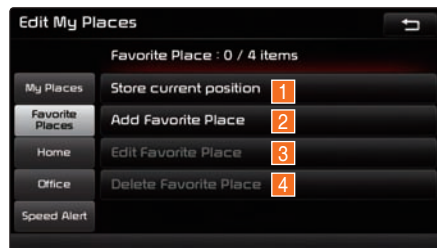
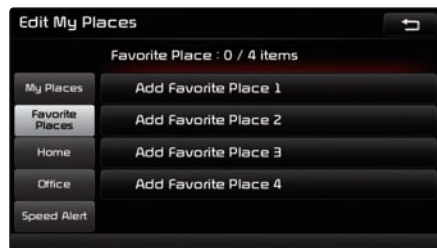
Using Setup

Favorite Places

Press the **My Places** button ►

Press **Favorite Places** ► Set and press

Done .



A total of 4 Favorite Places can be saved. Favorite Places can be selected at the bottom of the Destination Search main screen.

Name	Description
1 Store current position	Adds the current vehicle position as a Favorite Place
2 Add Favorite Place	Add a Favorite Place by using search functions
3 Edit Favorite Place	Edit information pertaining to saved Favorite Places, such as name, location, and telephone number
4 Delete Favorite Place	Delete one or all saved Favorite Places

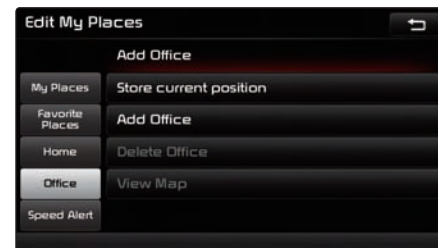
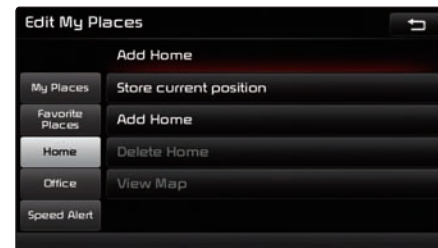
i Information

- If Favorite Places have not been added, the **Edit Favorite Place** and **Delete Favorite Place** buttons will be disabled.

Home and Office

Press the **My Places** button ►

Press **Home** or **Office** .



One Home and Office can each be saved. The set Home and Office positions can be selected at the bottom of the Destination Search main screen.

Information

- If the Home and Office has not been set, these buttons will be disabled within the Destination Search screen.

Speed Alerts

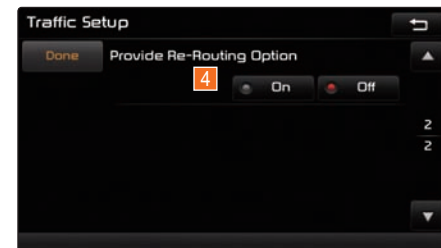
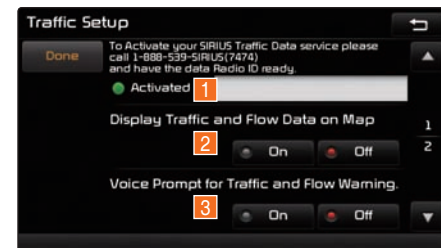
Press the  **My Places** button ►
Press  **Speed Alert** ► Set and press  .



In the Edit Speed Alert screen,  ,  , and  speed can be set and edited.

Traffic Setup

Press the  key ► Press  **Setup**
► Press  **Traffic** .



This menu is used to set options related to traffic and flow data, voice prompts, and re-routing options based on traffic conditions.

Using Setup

Name	Description
1 Data Radio ID	Check information on SIRIUS traffic data service activation and activation ID
2 Display Traffic and Flow Data on Map	Sets whether to display real-time traffic information on map
3 Voice Prompt for Traffic and Flow Warning	Sets whether to receive voice prompts for real-time traffic information and conditions
4 Provide Re-Routing Options	Sets whether to use re-routing options by reflecting traffic conditions

i Information

- SIRIUS Traffic Data service requires a separate subscription. To subscribe to this service, please contact the number displayed on the screen.

UVO eServices Settings (Optional)

UVO eServices Settings

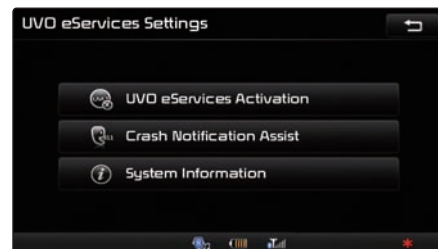
Within the eServices Settings screen, UVO eServices related features can be set, such as activating UVO eServices and changing the Registered Phone.

For safety reasons, Settings can not be adjusted while driving. Park the vehicle before making any changes to your Settings.

Press the **i** key, then press **Setup** icon on the touch screen.



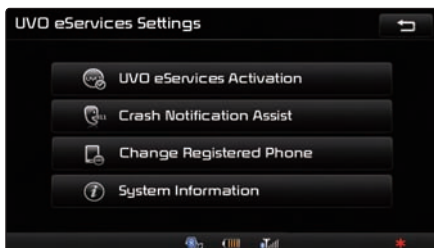
Press **UVO eServices** icon on the touch screen.



UVO eServices Activation

If UVO eServices has not yet been activated, press the **UVO eServices Activation** button to start the activation process.

If UVO eServices has been activated, you can change the registered phone by pressing **Change Registered Phone** button on the touch screen.



Crash Notification Assist Setting

This feature is used to turn on or off the Crash Notification Assist feature.

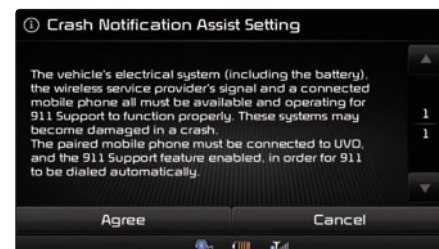
From the UVO eServices Setting screen, Press **Crash Notification Assist**.



To enable Crash Notification Assist, ensure that the **On** button is selected. To disable this feature, ensure the **Off** button is selected.

When enabling this feature, you must first agree to the Crash Notification Assist terms of use.

After reading the terms of use, press the **Agree** button on the touch screen to accept.

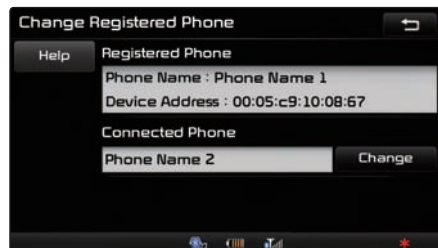


Using Setup

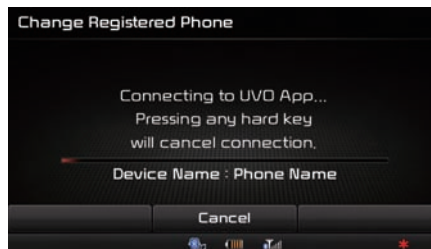
Changing Registered Phone

The Registered Phone is the Primary Phone used for communication with UVO eServices.

From the UVO eServices Setting screen you can change the registered phone by pressing **Change Registered Phone** button on the touch screen.



Press the **Change** button to change the Registered Phone to the smartphone currently connected via Bluetooth.

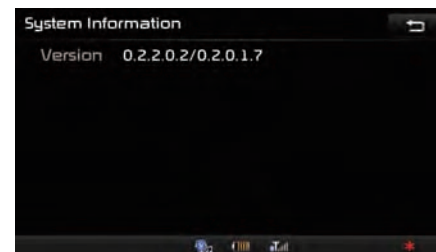


NOTICE

- When changing the Registered Phone, the smartphone you wish to set as the Registered Phone must first be connected through Bluetooth.

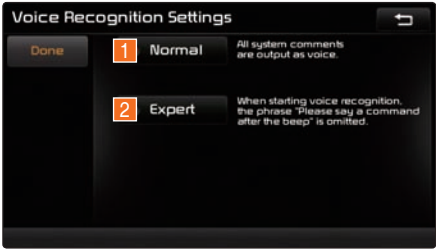
System Information

From the UVO eServices Setting screen you can view the System Information by pressing [System Information] button on the touch screen.



Voice Recognition Settings

Press the **i** **⚙** key ▶ Press **⚙** **Setup**
▶ Press **🗣** **Voice Recognition** ▶ Set and press **Done**.



This menu is used to set voice recognition mode between Normal and Expert mode.

Name	Description
1 Normal	When using voice recognition, provides detailed prompts and is suited for beginner users
2 Expert	When using voice recognition, omits certain prompts and is suited for experienced users

Clock Settings

Press the **i** **⚙** key ▶ Press **⚙** **Setup**
▶ Press **🕒** **Clock** ▶ Set and press **Done**.



This menu is used to set the time used within the Navigation system.

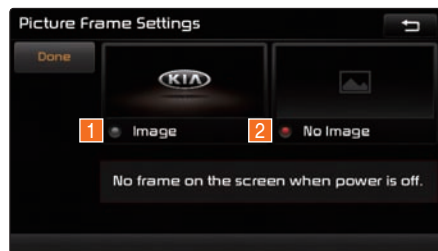
Name	Description
1 GPS Time	Displays time according to the received GPS time
2 Daylight Saving Time	Turns on/off daylight saving time feature
3 Time Format	Converts the digital clock display to 12 or 24 hours

- i** **Information**
- When Daylight Savings Time is turned on, the clock is moved forward one hour.

Using Setup

Picture Frame

Press the **[i] [gear]** key ▶ Press **[Setup]**
▶ Press **[Picture Frame]** ▶ Set and
Press **Done** .



This menu is used to select the screen displayed when the system power is turned off.

Name	Description
1 Image	Displays an image when the system power is turned off
2 No Image	No image is displayed when the system power is turned off

i Information

- When the picture frame is set to Image, images saved within a USB can be set as the picture frame by pressing the **Browse** button.

Keyboard

Press the **[i] [gear]** key ▶ Press **[Setup]**
▶ Press **[Keyboard]** ▶ Set and Press
Done .



This option allows you to change the type of keyboard used within the system.

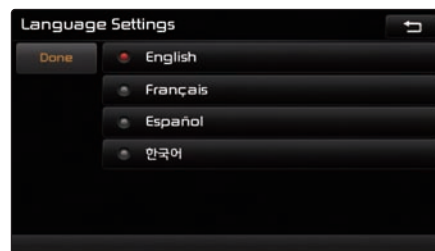
Name	Description
1 ABC	Keyboard with characters arranged in alphabetical order
2 QWERTY	Keyboard similar to the one used within a computer

i Information

- The set keyboard will be applied to all input modes across the entire system.

Language

Press the **i** **⚙️** key ▶ Press **⚙️** **Setup**
 ▶ Press **🌐** **Language** ▶ Set and press **Done**.



This menu is used to set the language of the system display and voice language. You can select the desired language from English, Français, Español, and 한국어.

System Update

Press the **i** **⚙️** key ▶ Press **⚙️** **Setup**
 ▶ Press **🔄** **System Update** ▶ Press **Update** ▶ Press **OK**.



Using Setup

After inserting the SD card with the update file, press **OK** to start the update.

Once updating is complete, the system will automatically restart.

i Information

- This product requires regular updates for software corrections, new functions and map updates. Updating may require up to 1 hour depending on the data size.
- Turning off the power or ejecting the SD card during the update process may result in data loss. Make sure to keep the ignition on and wait until updating is complete.
- Map and software updates can be downloaded from the designated website (<http://www.mapnsoft.com>) and updated through the SD card.

⚠ CAUTION

- Please use only the SD card that was included with the vehicle purchase.
- The use of a separately purchased SD card may result in damage due to heat related deformation.
- Product malfunctions caused by the use of separately purchased SD cards shall not be covered within the product warranty.
- Repeatedly connecting/disconnecting the SD card in a short period of time may cause damage to the device.

Display Off

Press the **i** **⚙** key ▶ Press **⚙** **Setup**
▶ Press **⏻** **Display Off** .



Press the **⏻** **Display Off** button to turn off the display. Touch anywhere on the touch screen to turn the display back on.

i Information

- While only using the device to listen to audio, this feature can be very helpful in preventing glare from the screen when driving at night.
- Even when the display is off, sound will be played.

9 Appendix

- Product Specification
- Before Thinking There is a Product Defect
- Before Thinking the Product Has Malfunctioned
- Troubleshooting
- FAQ

CAR AVN SYSTEM

Appendix

Product Specification

TFT-LCD

Screen Size	Navigation Device - 20.32cm (176.4 x 99.36mm)		
Resolution	Navigation Device - 384,000 pixels (Resolution: 800 x 480)		
Operating Method	TFT(Thin Film Transistor) Active Matrix		
Viewing Angle	Left/Right, Top/Bottom : ALL 80°		
Internal Lighting	LED 18EA		

Radio

Channels	FM : 87.5 MHz ~ 107.9 MHz(Step : 200 kHz)		
	AM : 530 kHz ~ 1710 kHz(Step : 10 kHz)		
Sensitivity	FM : Under 10dBu/AM : Under 40dBu		
Distortion Factor	Within 2%	Speakers	2 ~ 8 Ω

Integrated Antenna

Operating Temperature	-30 ~ +85℃ (-22℉ ~ +185℉)	Storage Temperature	-40 ~ 105℃ (-40℉ ~ 220℉)
Dimensions	132.9mm(W) x 63.2mm(H) x 225.5mm(L)		
Weight	270g		

Common

Name	Car TFT LCD Display Navigation Unit		
Power Supply	DC 14.4V	Operating Power	DC 9V ~ DC 16V
Current Consumption	2.5A	Dark Current	2mA (Head Unit Only)
Operating Temperature	-20 ~ +70℃ (-4 ~ +158℉)	Storage Temperature	-30 ~ 80℃ (-22 ~ 176℉)
Dimensions	264mm(W) x 198mm(H) x 239mm(D)		
Weight	2.7Kg		

Bluetooth® Wireless Technology

Frequency Range	2402 ~ 2480 MHz	Supported Bluetooth® Specification	2.1 + EDR
Supported Profile	Handsfree(1.5), A2DP(1.0), AVRCP(1.3), PBAP(1.0), SPP(1.1)		
Output	0.05mW	Transmission	F1E, G1E
Number of Channels	79 channels		

 CAUTION

- The producer and installer cannot provide services related to life safety as the concerned radio equipment is liable to radio interference.

Before Thinking There is a Product Defect

The current position as shown on the navigation may differ from the actual position under the following conditions.

The following occurrences are not malfunctions :	
• When driving on Y-shaped roads with narrow angles the current position may be displayed in the opposite direction • Within city streets, the current position may be displayed on the opposite side or on an off-road position • When changing the zoom level from maximum to a different level, the current position may become displayed on a different road • If the vehicle is loaded onto a ferry or a car transport vehicle, the current position may become stalled on the last position prior to loading • When driving on a spiral-shaped road • When driving in mountain regions with sharp turns or sudden brakes • When entering a road after passing an underground parking structure, building parking structure, or roads with many rotations • When driving in heavy traffic with frequent starts and stops	• When driving under slippery conditions, such as heavy sand, snow, etc. • When driving on spiral-shaped roads • When the tires have recently been replaced (Especially upon use of spare or studless tires). • When using tires of improper size • When the tire pressure for the 4 tires are different • When the replacement tire is worn or used (Especially studless tires having passed a second season). • When driving near high-rise buildings • When a roof carrier has been installed • When a long distance route is calculated while driving on an expressway In such cases, continued driving will automatically enable the system to conduct map matching or use updated GPS information to provide the current position (In such cases, up to several minutes may be required)

Correct route guidance may not occur due to search conditions or driving position.

The following occurrences are not malfunctions :	
• Guidance to go straight may be given while driving on a straight road • Guidance may not be given even when having turned at an intersection • There are certain intersections in which guidance may not occur • A route guidance signaling for a u-turn may occur in some No u-turn intersections	• Route guidance signaling entrance into a No-entry zone may occur (No-entry zone, road under construction, etc.) • Guidance may be given to a position that is not the actual destination if roads to reach the actual destination do not exist or are too narrow • Faulty voice guidance may be given if the vehicle breaks away from the designated route. (e.g. if a turn is made at an intersection while the navigation provided guidance to go straight.)

These situations may occur after conducting route calculation.

The following occurrences are not malfunctions :	
• Guidance may be given to a position differing from the current position when turning at an intersection • When driving in high speeds, route recalculation may take a longer period of time • Route guidance signaling for a u-turn may occur in some No u-turn intersections	• Route guidance signaling entrance into No-entry zone may occur. (No-entry zone, road under construction, etc.) • Guidance may be given to a position removed from the actual destination if roads to reach the actual destination do not exist or are too narrow • Faulty voice guidance may be given if the vehicle breaks away from the designated route (e.g. If a turn is made at an intersection while the navigation provided guidance to go straight.)

Before Thinking the Product Has Malfunctioned

1. Errors which occur during the operation or installation of the device may be mistaken as a malfunction of the actual device.
2. If you are having problems with the device, try the suggestions listed below.
3. If the problems persist, contact your KIA dealer.

Problem	Possible Cause
There are small red, blue, or green dots on the screen	• Because the LCD is manufactured with technology requiring high point density, a pixel or lighting deficiency may occur within 0.01% of total pixels
The sound or image is not working	• Has the Switch for the vehicle been turned to [ACC] or [ON]? • Has the SYSTEM been turned OFF?
The screen is being displayed but sound is not working	• Has the volume been set to a low level? • Has the volume been muted?
When the power is turned on, the corners of the screen are dark	• The display appearing somewhat dark after prolonged periods of use is normal with LCD panels. It is not a malfunction • If the screen is very dark, contact your nearest KIA dealer for assistance
Sound is working from only one speaker	• Are the positions of Fader or Balance sound controls adjusted to only one side?

Problem	Possible Cause
Sound does not work in AUX mode	• Are the audio connector jacks fully inserted into the AUX terminal?
The external device is not working	• Is the external device connected with a standard connector cable?
Upon turning power on, the most recent mode screen is not displayed	Within modes that play files by reading external sources, such as discs, USB, iPod, or Bluetooth® streaming mode, the most recently played mode screen prior to turning off power may not properly load • If there is no disc or the corresponding device is not connected, the mode operated prior to the most recent mode will operate • If the previous mode still cannot be properly played, the mode operated prior to that will operate

Appendix

Troubleshooting

Problem	Possible Cause	Countermeasure
The power does not turn on	The fuse is disconnected	• Replace with a suitable fuse • If the fuse is disconnected again, please contact your point of purchase or service center
	Device is not properly connected	• Check to see that the device has been properly connected
The system does not play	The disc has not been inserted or has been inserted upside down	• Insert the disc properly so that the sides are facing the correct direct
	The disc has been contaminated	• Wipe away dirt and other foreign substances from the disc
	The vehicle battery is low	• Charge the battery If the problem persists, contact your point of purchase or service center
	A disc not supported by the device has been inserted	• Insert a disc which is supported by the device

Problem	Possible Cause	Countermeasure
The image color/tone quality is low	• The brightness, saturation, hue, and contrast levels are not set properly	• Properly adjust the brightness, saturation, hue, and contrast levels through Display Setup
Sound does not work	• The volume level is set to the lowest level • The connection is not proper • The device is currently fast-forwarding, rewinding, scanning, or playing in slow mode	• Adjust the volume level • Check to see that the device has been properly connected • The sound will not work when the device is fast-forwarding, rewinding, scanning, or playing in slow mode
The sound or image quality is low	• The disc is dirty or scratched	• Wipe off water or dirt from the disc Do not use a disc which has been scratched
	• Vibration is occurring from where the conversion switch has been installed • Image color/tone quality is low	• The sound may be short-circuited and the image distorted if the device vibrates • The device will return to normal once vibrations stop

Problem	Possible Cause	Countermeasure
The USB does not work	• USB memory is damaged • USB memory has been contaminated • A separately purchased USB HUB is being used • A USB extension cable is being used • A USB which is not a Metal Cover Type USB Memory is being used • An HDD type, CF, SD Memory is being used • There are no music files which can be played	• Please use after formatting the USB into FAT 12/16/32 format • Remove any foreign substances on the contact surface of the USB memory and multimedia terminal • Directly connect the USB memory with the multimedia terminal on the vehicle • Directly connect the USB memory with the multimedia terminal on the vehicle • Use standard USB Memory • Use standard USB Memory • Only MP3, WMA file formats are supported. Please use only the supported music file formats
The iPod is not recognized even though it has been connected	• There are no titles which can be played • The iPod firmware version has not been properly updated • The iPod device does not recognize downloads	• Use iTunes to download and save MP3 files into the iPod • Use iTunes to update the firmware version and reconnect the iPod with the device • Reset the iPod and reconnect with the device

i Information

- While operating the device, if an abnormality occurs that cannot be corrected with the above described measures, press the **Reset** key to reset the system.
- Press and hold the **Reset** key (over 0.8 seconds). The device power will turn off and the system will reset.

Appendix

FAQ

About Pairing Mobile Phones

Q I cannot pair my mobile phone. What is the cause?

A Check to see that the mobile phone supports Bluetooth® function. If your phone is a Bluetooth® phone, then check to see whether the Bluetooth® setting within your phone been is set to 'Hidden'. If the device is set to hidden, please un-hide the device (set to unhidden state).

Q What is the difference between pairing a mobile phone and connecting a mobile phone?

A Pairing occurs through authenticating the head unit and mobile phone. Mobile phones paired to the head unit can be connected and disconnected until the paired mobile phone is deleted from the system. Bluetooth® Handsfree features, such as making/answering calls or managing contacts, are supported only in mobile phones connected with the head unit.

Q What is a Passkey?

A A passkey is the password used to authenticate the connection between the head unit and mobile phone. The passkey only needs to be entered once when pairing the mobile phone for the first time.

The initial passkey is 0000. The passkey can be changed by pressing   key ▶  **Setup** ▶  **Bluetooth** ▶

Advanced Settings ▶ **Change Passkey** .

About Making/Answering Phone Calls

Q How can I answer a call?

A When there is an incoming call, a notification pop-up will become displayed. To answer the incoming call, press the **Accept** button on the screen or the  key on the steering remote controller.

To reject the call, press the **Reject** button on the screen or press the  key on the steering remote controller.

Q What should I do if I am talking on the Handsfree but want to switch the call to the mobile phone?

A While on a call, press and hold (over 0.8 seconds) the  key on the steering remote controller or press the **Private** button at the bottom of the Phone screen to switch the call to your mobile phone.

About *Bluetooth*® Wireless Technology/Head Unit Use Environment

Q What is the range of my wireless connection?

A The wireless connection can be used within 15 yards.

Q How many mobile phones can be paired?

A It is possible to pair up to five mobile phones.

Q Why is call quality sometimes poor?

A Check the reception sensitivity of the mobile phone when call quality becomes worsened. The call quality may deteriorate when the signal strength is low. Call quality may also worsen if metal objects, such as drink cans, are placed near the mobile phone. Check to see if there are metal objects in the vicinity of the mobile phone. The call sound and quality may differ depending on the type of mobile phone.

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Microsoft® Windows® Automotive Operating System

Important Safety Information Read and Follow Instructions

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

Keep User's Guide in Vehicle

When kept in the vehicle, the User's Guide will be a ready reference for you and other users unfamiliar with the Windows Automotive-based system. Please make certain that before using the system for the first time, all persons have access to the User's 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 you might be required to distract your attention away from the road and remove your hands from the wheel.

General Operation

Voice Command Control

Functions within the Windows Automotive-based system may be accomplished using only voice commands. Using voice commands while driving allows you to operate the system without removing your hands from the 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 occasional short scans to the screen may be hazardous if your attention has been diverted away from your driving task at a critical time.

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

Any navigation features included in the system are intended to provide turn by turn instructions to get you to a desired destination. Please make certain all persons using this system carefully read and follow instructions and safety information fully.

Distraction Hazard

Some navigation features may require manual (non-verbal) setup. Attempting to perform such set-up or insert data while driving can seriously distract your attention and could cause an accident or other serious consequences. 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 therefore, 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 route 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.

FCC Warning

U.S.FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT INFORMATION TO THE USER

NOTE : This equipment has been tested and founded 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 dose cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encourage 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 of a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for assistance.

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

This equipment complies with FCC radiation exposure 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.

IC Warning

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions: (1) this device may not cause interference, and

(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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