

Car Navigation System

OWNER'S MANUAL

SPORTAGE

Please read this manual carefully before operating your set and retain it for future reference. Designs and specifications are subject to change without prior notice.

The screens shown in this manual may differ from 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.



iPod®

iPod® is a registered trademark of Apple Inc.

Bluetooth®

The Bluetooth Wireless Technology word mark and logos are registered trademarks owned by Bluetooth Wireless Technology SIG, Inc.

DOLBY

Manufactured under license from Dolby Laboratories “Dolby” and the double-D symbol are trademarks of Dolby Laboratories

Cortex

Cortex is the name of the ARM Processor Architecture used in the AV System.

Windows Embedded Compact 7

Windows Embedded Compact 7 is an operating system used in the AV System.

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Precautions for safety

Safety notes



The lightning flash with the arrowhead symbol within an equilateral triangle is intended to alert the user about the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



Always operate the vehicle in a safe manner. Do not become distracted by the vehicle while driving and always be fully aware of all driving conditions. Do not change settings or any functions. Pull over in a safe and legal manner before attempting such operations.

To promote safety, certain functions are disabled unless the hand brake is on.



To reduce the risk of electric shock, do not remove the cover or back of this product. There are no user-serviceable parts inside. Refer servicing to qualified service personnel.



To reduce the risk of fire or electric shock, do not expose this product to dripping or splashing water, rain, or moisture.



When driving your vehicle, be sure to keep the volume of the unit low enough to allow you to hear sounds coming from the outside.



Do not drop it and avoid heavy impacts at any time.



The driver should not watch the monitor while driving. If the driver watches the monitor while driving, it may lead to carelessness and cause an accident.

WARNING:

- Do not stare at the screen while driving. Staring at the screen for prolonged periods of time could lead to traffic accidents.
- Do not disassemble, assemble, or modify the navigation system. Such acts could result in accidents, fire, or electric shock.
- Using phone features while driving may distract drivers from paying attention to traffic conditions and result in traffic accidents. Use phone features only after the vehicle has been parked.
- 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.
- The video screen will not operate when the vehicle is in motion. For your safety, first park the vehicle to watch or view the screen.
- Some Non-video features may also not operate when the vehicle is in motion. These features will operate only when the vehicle has been parked.

CAUTION:

- Do not keep the navigation system running with the engine stopped. Doing so may discharge the vehicle battery. When you use the navigation system, always keep the engine running.
- When the driver wants to operate the navigation system, first park the vehicle in a safe location and set the parking brake. Operating the system while driving can distract the driver and may result in a serious accident.
- Do not disassemble or modify this system. If you do, it may result in accidents, fire, or electrical shock.
- Some states/provinces may have laws limiting the use of video screens while driving. Use the system only where it is legal to do so.
- Do not use your phone in private mode when you are driving. You must stop at a safe location to use it.

Key Product Features

Key Product Features

Name	Description
Display	Wide TFT-LCD Display Provides high quality video through a Wide TFT-LCD Display using an LED Back Light
Radio	Digital Tuner Feature Digital Tuner using PPL method that supports memory of 20 broadcast stations for each AM and FM modes. Radio broadcast station name Displays broadcast station names for key locations.
Multimedia Player	Support for various Media Formats Support for various media formats, including Radio, MP3, USB, iPod, AUX and Bluetooth® Audio Streaming modes
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 Tune / ENTER Knob	<ul style="list-style-type: none"> FM/AM mode : changes the frequency MEDIA (USB/iPod) mode : changes the track, file or title (except AUX)
2 FM/AM	<ul style="list-style-type: none"> Operates FM/AM mode Each time the key is pressed, mode is changed in order of AM ► FM ► AM.
3 MEDIA	<ul style="list-style-type: none"> Operates available media (USB, iPod, Bluetooth Audio, AUX) If the media is not connected, corresponding modes will be disabled
4 PHONE	Takes user to phone screen
5 ▼ SEEK TRACK ▲	<p>When the ▼ SEEK , TRACK ▲ keys are pressed shortly</p> <ul style="list-style-type: none"> In FM/AM mode, searches broadcast frequencies In Media mode, changes the track, file or chapter <p>When the ▼ SEEK , TRACK ▲ keys are pressed and held</p> <ul style="list-style-type: none"> FM/AM mode : automatically searches broadcast frequencies and channels. Once released, searches and begins playing the next broadcast frequency Media mode: rewinds or fast forwards the track or file(except AUX)

Component Names and Functions

Head Unit









Name	Description
6 MAP	Press to display the map screen of the current location when in a different mode.
7 DISP	Turns off the screen
8 SETUP	Displays the Setup mode
9 Power / Volume Knob	<ul style="list-style-type: none">• Power on When power is off, press to turn power on• Power off When power is on, press and hold to turn power off• Audio off When power is on, press to turn Audio off• Turn left/right to control volume
10 Reset	Resets the system

Component Names and Functions

Steering Wheel



Name	Description
1 +VOL -	Controls the volume
2  	<p>When keys are pressed shortly.</p> <ul style="list-style-type: none"> FM/AM mode: plays previous/next preset channel if it is saved Media mode: changes the track, file or chapter <p>When keys are pressed and held.</p> <ul style="list-style-type: none"> In FM/AM mode: changes frequencies while pressed. Upon release, scans and receives the next frequency Media mode: rewinds or fast forwards the track or file

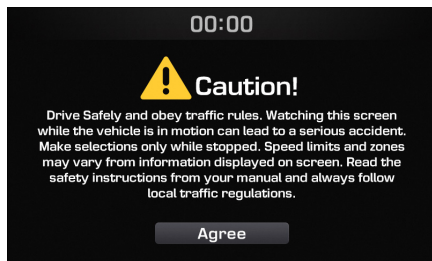
Name	Description
3 	<p>Mutes the sound</p> <ul style="list-style-type: none"> Operates FM ► AM ► Available Media (USB Music/USB Video/iPod/Bluetooth Audio/AUX) If the media is not connected, corresponding modes will be disabled. Press and hold the key to turn the Audio system on/off When power is off, press the key to turn power back on
4 	<p>When pressed shortly</p> <ul style="list-style-type: none"> When pressed in the phone screen, displays the last call When pressed in the dial screen, makes a call When pressed in the incoming call screen, answers the call When pressed during single call, switches call back to mobile phone (Private). When pressed during 3way call, swap call When pressed twice, redials the last call <p>When pressed and held</p> <ul style="list-style-type: none"> 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) When pressed, redials the last call
5 	<ul style="list-style-type: none"> When pressed during a call, ends the phone call When pressed in the incoming call screen, rejects the call
6 	

Using the System for the First Time

Turning the System On/Off

Turning the System ON

Press the engine start button. If the brakes are not pressed, then the ACC and system will turn on. If the brakes are pressed, then the IGN and system will turn on and the ignition will start. In both instances, the following safety warning will be displayed.



Pressing the PWR key on the head unit will display the safety warning page. Press the Agree button to display the most recent mode.



Turning the System Off

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

NOTE

- If the system is turned off while the Handsfree is being used, then the call will automatically switch back to the mobile phone.

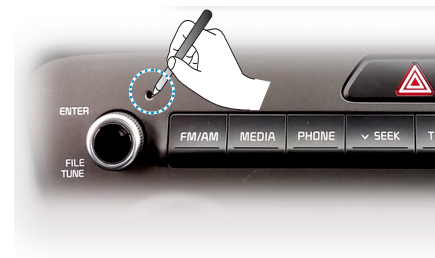
AV ON/OFF

Press the PWR key on the head unit when the AV is on. Press the PWR key or press the menu key to turn on AV.

While AV is turned off, the **SEEK** key and the **TUNE / ENTER** knob will be disabled.

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 for about 1 second. (The use of a clip or pin is recommended when resetting the system.)

Basic Screen



Name	Description
1 Mode tap	Press the tab to change between FM and AM mode
2 Preset button	Displays the Preset List
3 List button	Displays automatically updated lists
4 Menu button	Displays List, Preset, Scan, Preset scan and Sound settings menus
5 Frequency	Displays the current frequency
6 Preset No.	Displays the current preset number
7 Seek down	Single tap: seek down Long tap: fast seek down
8 Tune down	Single tap : tune down Long tap: tune down until the button is released and plays the current frequency
9 Tune up	Single tap : tune up Long tap: tune up until the button is released and plays the current frequency
10 Seek up	Single tap: seek up Long tap: fast seek up
11 Frequency bar	Use the tap to move to the desired frequency
12 List	Displays automatically updated lists
13 Preset	Displays saved presets for user selection
14 Scan	Plays frequencies with superior reception for 3 seconds each
15 Preset Scan	Plays frequencies saved to presets for 3 seconds and moves to the next saved frequency
16 Sound settings	Sets sound related settings

Listening to FM/AM radio

Press the **FM/AM** key to change the mode in order of FM ► AM ► FM.



Auto tuning

Press the **SEEK** key or press the **TRACK** key or press the **SEEK** button to automatically search for frequencies.

Manual tuning

Press the TUNE / ENTER knob or press the **TUNE** button to manually select the frequency. The stations move up and down step by step.

Press the frequency bar to search for frequencies that you want.

Selecting Presets

Press the **MENU** button ► Press the **Presets** button. From the presets, select the frequency you want to listen to.



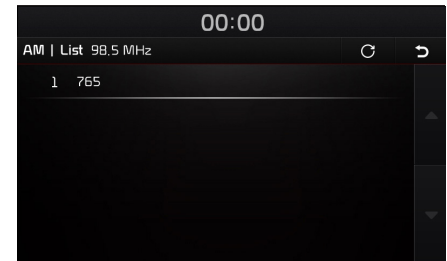
Selecting Lists

Press the **MENU** button ► Press the **List** button.

From the lists, select the frequency you want to listen to.

FM lists are automatically updated.

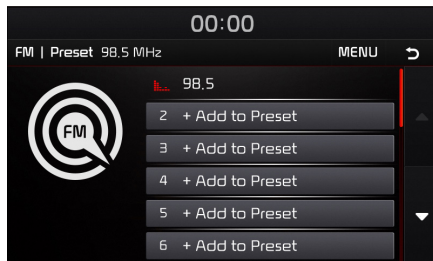
AM lists are manually updated by pressing (**Refresh**).



Saving Radio Frequency

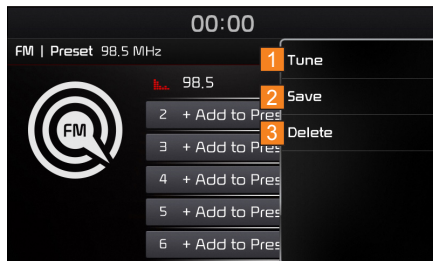
Saving Manually

After selecting frequency ► Press the **MENU** button ► Press the **+ Add to Preset**.

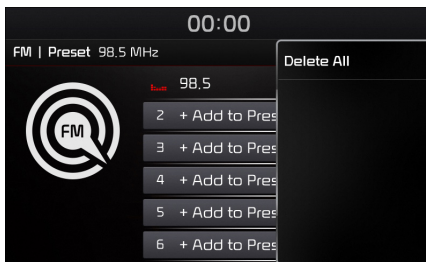


Using Preset Menu

Press and hold the preset list you want to edit.



Name	Description
1 Tune	listens to frequency selected
2 Save	overwrites frequency listening to currently
3 Delete	deletes frequency



NOTE

- Press the **MENU** button ► Press the **MENU** button ► Press the **Delete all** to delete entire presets.

Scan

Scanning Radio Frequency

Press the **MENU** button ► Press the **Scan**.



Starting from the current frequency, frequencies with superior reception are scanned for 3 seconds and the previous frequency is restored.

Scanning Preset frequency

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

Plays frequencies saved to presets for 3 seconds and moves to the next saved frequency

NOTE

- When the scan is operating, pressing the controller will stop the function and return to the stopped station.

Sound settings

Press the **MENU** button ► Press the **Sound settings**.

For details, refer to the "Sound" on the page 36.

About USB

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.

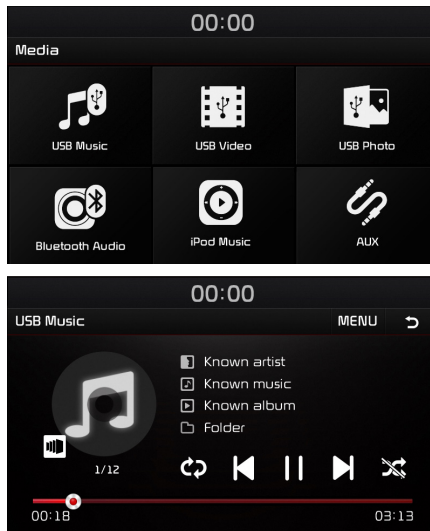
- Files that are not standard format files will not be played.
- For MP3/WMA files, only music files with compression rates between 8 Kbps ~ 320 Kbps can be played.
- Heed caution to static electricity when connecting/disconnecting external USB devices.
- Encoded MP3 Players will not be recognized when connected as an external device.
- When connecting an external USB device, the device may not properly recognize the USB in some states.
- Only USB devices formatted as FAT 12/16/32 are supported, and NTFS file system is not supported.
- Some USB devices may not be supported due to compatibility issues.
- Avoid contact between the USB connector with bodily parts/foreign objects.
- Repeated connecting/disconnecting of USB devices within short periods of time may result in product malfunction.
- Insert USB device after starting the car. If the car is started while USB device is inserted, it may damage USB device.
- 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 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 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.
- 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.

USB Music

Playing USB Music

Once a USB is connected, USB Music mode will operate automatically.

Press the **MEDIA** key ▶ Press the **USB Music** button ▶ Press the Play button to play USB music.



NOTE

- If the USB is not connected, or there is no media file in USB then the USB media button will be disabled.

Searching USB Music Files

While playing ▶ Press the **SEEK** , **TRACK** key or the **REWIND** **SKIP** button to play the previous/next file.

- Pressing and holding the **SEEK** , **TRACK** key or the **REWIND** **SKIP** button will rewind or fast forward the current file.
- While the **SEEK** , **TRACK** key or the **REWIND** **SKIP** button 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.

NOTE

- Press the TUNE / ENTER knob allows you to select the previous/next file. This key will not rewind or fast-forward the file.

Repeat

Press the **REPEAT** button.

Each time the button is pressed, the option is changed from Repeat Folder(**REPEAT FOLDER**) ▶ Repeat One(**REPEAT ONE**) ▶ Off(Repeat All(**REPEAT ALL**)).

Shuffle

Press the **SHUFFLE** button.

Each time the button is pressed, the option is changed from Shuffle All(**SHUFFLE ALL**) ▶ Shuffle Folder(**SHUFFLE FOLDER**) ▶ Off(**SHUFFLE OFF**).




Scan All

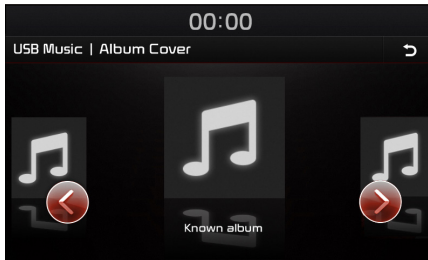
Press the **MENU** button ▶ Press the **Options** button ▶ Press the **Scan All** to scan files within the USB in random order.

Scan Folder

Press the **MENU** button ▶ Press the **Options** button ▶ Press the **Scan Folder** to search files within the current folder.

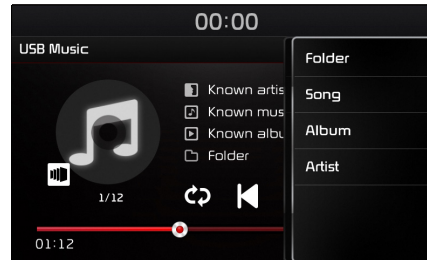
Album Cover view

Press the  button ► Press the   button to search desired album.



List

Press the **MENU** button ► Press the **List** button to display USB Music list screen.



It is possible to search by Folder, Song, Album and Artist.

Sound settings

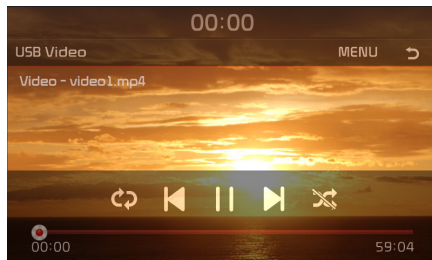
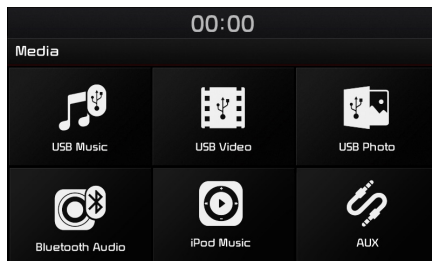
Press the **MENU** button ► Press the **Options** button ► Press the **Sound settings** button.

For details, refer to the "Sound" on the page 36.

Playing USB Video

Once a USB is connected, USB Video mode will operate automatically.

Press the **MEDIA** key ▶ Press **USB Video** button ▶ Press the Play button to play USB Video.



NOTE

- If the USB is not connected, or there is no media file in USB then the USB media button will be disabled.

Searching USB Video Files

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

- Pressing and holding the **SEEK** , **TRACK** key or **SEEK** , **TRACK** button will rewind or fast forward the current file.
- While the **SEEK** , **TRACK** key or **SEEK** , **TRACK** button is being pressed, the track will rewind or fast-forward at high speeds. Once the key is released, the USB Video will begin playing at normal speed.

NOTE

- Press the TUNE / ENTER knob allows you to select the previous/next file. This key will not rewind or fast-forward the file.

Repeat

Press the **REPEAT** button.

Each time the button is pressed, the option is changed from Repeat Folder(**REPEAT**) ▶ Repeat One(**REPEAT**) ▶ Off(Repeat All(**REPEAT**)).

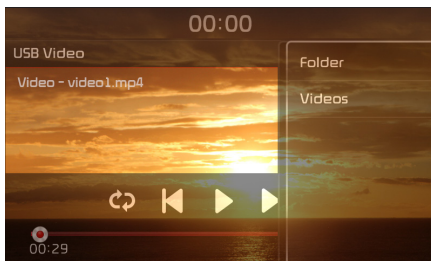
Shuffle

Press the **SHUFFLE** button.

Each time the button is pressed, the option is changed from Shuffle All(**SHUFFLE**) ▶ Shuffle Folder(**SHUFFLE**) ▶ Off(**SHUFFLE**).

List

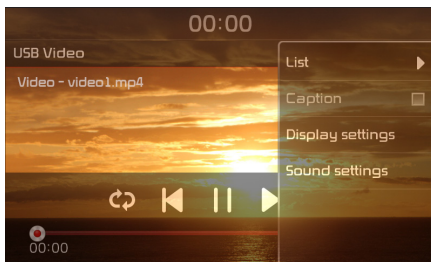
Press the **MENU** button ► Press the **List** button to display USB Video list screen.



It is possible to search by Folder and Videos.

Caption

Press the **MENU** button ► Press the **Caption** button to display caption on USB Video screen.



Display settings

Press the **MENU** button
► Press the **Display settings**.



Press the **Reset** button to initialize the settings.

Press the **Settings** button to set "Brightness" and "Dimming mode".

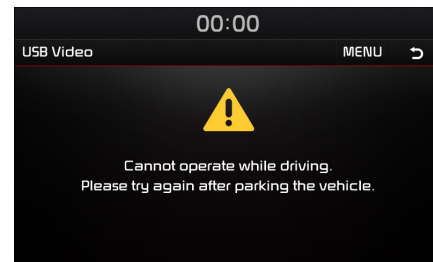
For details, refer to the "Display" on the page 37.

Sound settings

Press the **MENU** button
► Press the **Sound settings**.
For details, refer to the "Sound" on the page 36.

NOTE

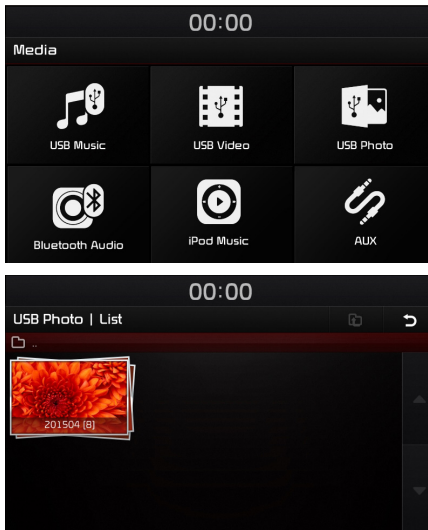
- USB Video is not available while driving.
(Because of traffic regulations, videos is only available when your vehicle is parked.)



USB Photo

Viewing USB Photo

Press the **MEDIA** key ► Press **USB Photo** button ► Press the desired photo in List screen.

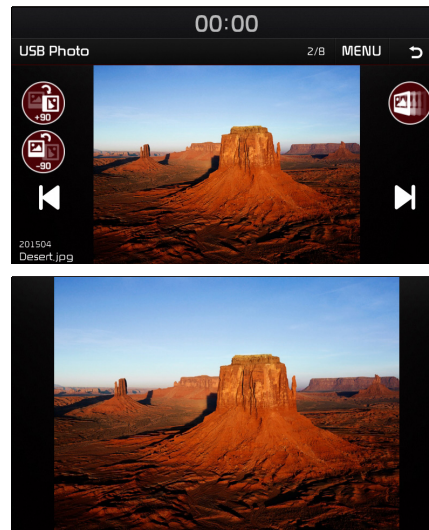


NOTE

- If the USB is not connected, or there is no media file in USB then the USB media button will be disabled.

Switching to menu screen or full screen

Press the photo to view with full screen.
Press the photo once more to return to the menu screen.



NOTE

- In full screen, images can be zoomed in/out by up to 300%.
- Press **↶** to move to the List screen.

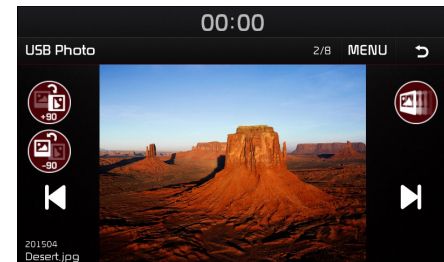
Searching USB Image Files

Press the **◀ ▶** button or turn the TUNE / ENTER knob to view the previous/next image.

Press **↶** to view the list of USB photos.

Rotating / Slide show

Press the **↻** **↺** buttons to rotate image.
Press the **⏮** button to view slide show.



NOTE

- Press **↶** to move to the previous screen.

Using the Menu Buttons

Press the **MENU** button to set Slide show, Slide time and Display settings menus.



Slideshow interval

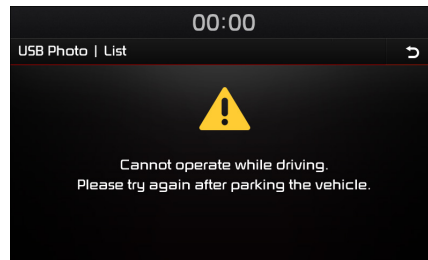
Press the **MENU** button ▶ Press the **Slide time** button.



Slide show intervals can be set at **5 sec**, **10 sec**, **20 sec**, or **30 sec** intervals.

NOTE

- Slideshow is not available while driving. (Because of traffic regulations, image is only available when your vehicle is parked.)



Display settings

Press the **MENU** button ▶ Press the **Display settings** button.

For details, refer to the "Display" on the page 37.

About iPod

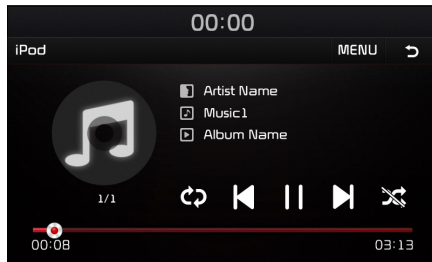
iPod® is a registered trademark of Apple Inc.

- Some iPods with unsupported communication protocols may not properly operate with the 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.)
- 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 system.
- The use of genuine iPod cables supplied by Apple is recommended. (The use of other products may result in noise or abnormal operation.)
- Within iPhones, streaming audio and iPod control may occasionally conflict. If problems persist, remove the iPhone and connect again.
- Use iPod with complete synchronization to iTunes. Unauthorized song addition may cause abnormal operation.
- If iPod and Bluetooth are connected simultaneously with the same iPhone, you cannot use Bluetooth audio function.
- If iPod touch or iPhone is used, iOS4.2 or a later version is recommended.

Playing iPod Music

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

Press the **MEDIA** key ► Press **iPod Music** button.



- Press the **►** button to play files saved within the iPod device.
- Press the **||** button to pause the file.

NOTE

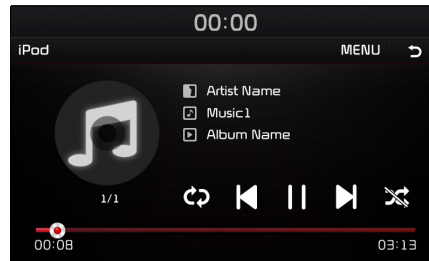
- If the iPod is not connected, or there is no media file in iPod then the iPod Music button will be disabled.

Searching iPod Music Files

You can play the previous or next file.
For details, refer to the page 17.

Using the Menu Buttons

Press the **MENU** button to set List and options menus.



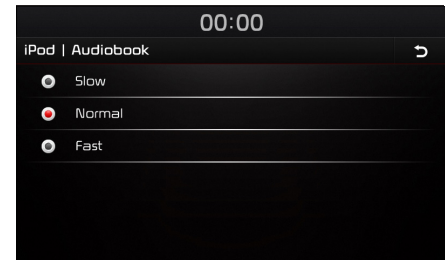
For details, refer to the "List" on the page 27.

Setting audiobook playback speed

Setting the playback speed only affects audio books purchased from the iTunes store or audible.com.

For details about iPod, refer to the iPod User Guide.

Press the **MENU** button ► Press the **options** ►
Press the **Audiobook** .



Sound settings

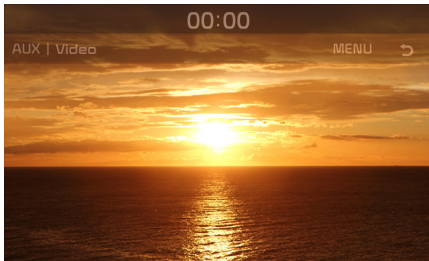
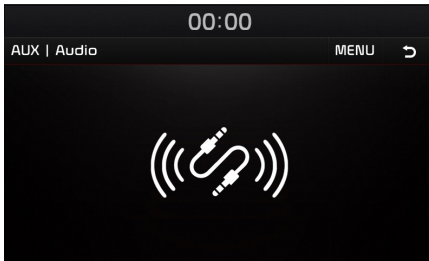
Press the **MENU** button ► Press the **options** ►
Press the **Sound settings** .

For details, refer to the "Sound" on the page 36.

Playing an AUX source

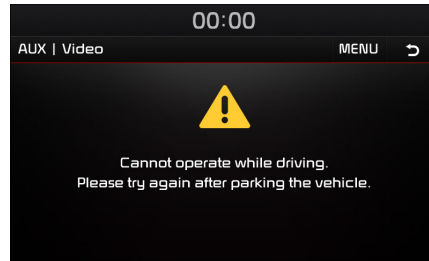
If an external device connector is connected with the AUX terminal, then AUX mode will automatically operate.

Press the **MEDIA** key ► Press the **AUX** button to play auxiliary device while a different source is playing.



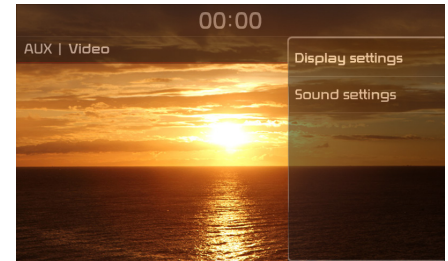
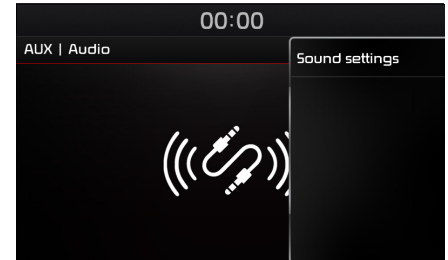
NOTE

- Video is not available while driving. (Because of traffic regulations, Aux Video is only available when your vehicle is parked.)



Using the Menu Buttons

Press the **MENU** button to set Sound or Display.



For details, refer to the “Sound” on the page 36 and “Display” on the page 37.