



FCC ID: PINPA910HMLSDB / IC: 4018A-PA910HM

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## ATTACHMENT E.

- User Manual -

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**HCT CO., LTD.**

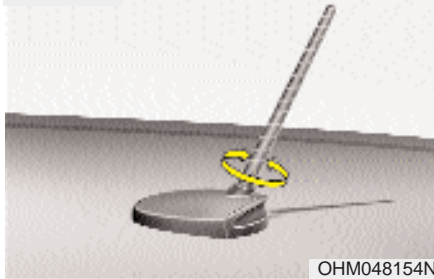
SAN 136-1, AMI-RI, BUBAL-EUP, ICHEON-SI, KYOUNGKI-DO, 467-701, KOREA  
TEL:+82 31 639 8517 FAX:+82 31 639 8525 [www.hct.co.kr](http://www.hct.co.kr)

**Report No. : HCT-RF09-0501**

**1/1**

### AUDIO SYSTEM

Roof antenna



Glass antenna



#### Antenna

D300102AHM-EU

Your vehicle uses a roof antenna or glass antenna to receive AM or/and FM broadcast signals.

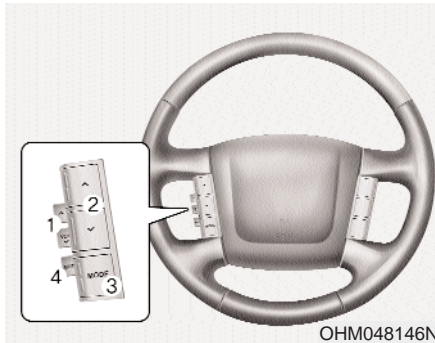
The roof antenna is removable. To remove the roof antenna, turn it counter-clockwise. To install the roof antenna, turn it clockwise.

#### ⚠ CAUTION

- *Before entering a place with a low height clearance, be sure that the roof antenna is removed.*
- *Be sure to remove the roof antenna before washing the car in an automatic car wash or it may be damaged.*
- *When reinstalling your roof antenna, it is important that it is fully tightened and adjusted to the upright position to ensure proper reception. But it could be removed when parking the vehicle or when loading cargo on the roof rack.*
- *When cargo is loaded on the roof rack, do not place the cargo near the antenna pole to ensure proper reception.*

#### ⚠ CAUTION

- *Do not clean the inside of the rear quarter glass with a cleaner or use a scraper to remove any foreign deposits as this may cause damage to the antenna elements.*
- *Avoid adding metallic coating such as Ni, Cd, and so on. These can interfere with FM reception.*



D300200AEN

### Steering wheel audio control (if equipped)

The steering wheel audio control button is installed to promote safe driving.

#### **CAUTION**

*Do not operate audio remote control buttons simultaneously.*

D300204AHM

#### **VOLUME (VOL ▲/▼) (1)**

- Pull the up button (▲) to increase the volume.
- Pull the down button (▼) to decrease the volume.

D300203AHM

#### **SEEK/PRESET (▲/▼) (2)**

The SEEK/PRESET button has different functions based on the system mode. For the following functions the button should be pressed for 0.8 second or more.

##### **RADIO mode**

It will function as the AUTO SEEK select button.

##### **CDP mode**

It will function as the FF/REW button.

##### **CDC mode**

It will function as the DISC UP/DOWN button.

If the SEEK/PRESET button is pressed for less than 0.8 second, it will work as follows in each mode.

##### **RADIO mode**

It will function as the PRESET STATION select buttons.

##### **CDP mode**

It will function as the TRACK UP/DOWN button.

##### **CDC mode**

It will function as the TRACK UP/DOWN button.

D300202AEN

#### **MODE (3)**

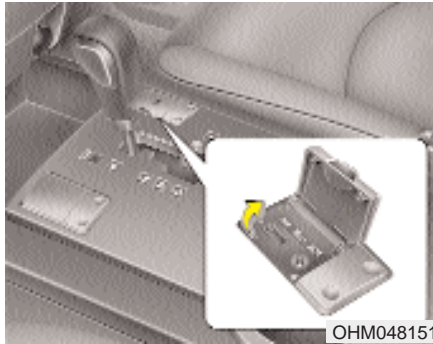
Press the button to select Radio or CD (compact disc) / **USB** / **AUX**.

D300205AHM

#### **MUTE (4)**

- Pull the MUTE button to cancel the sound.
- Pull the MUTE button again to activate the sound.

Detailed information for audio control buttons is described in the following pages in this section.



OHM048151

D300600AHM-EE

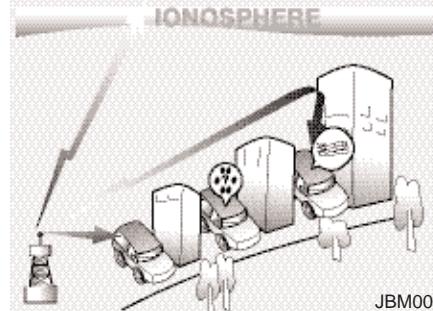
### Aux, USB and iPod port (if equipped)

If your vehicle has an aux and/or USB(universal serial bus) port or iPod port, you can use an aux port to connect audio devices and an USB port to plug in a USB and also an iPod port to plug in an iPod.

### \* NOTICE

When using a portable audio device connected to the power outlet, noise may occur during playback. If this happens, use the power source of the portable audio device.

### FM reception



JBM001

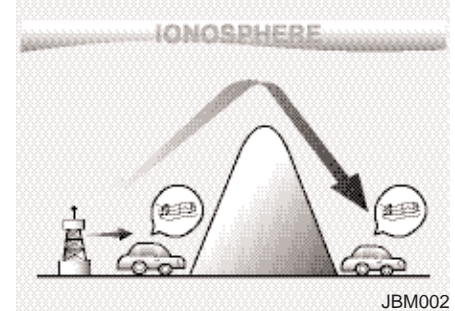
D300800AHM

### How vehicle audio works

AM(MW, LW) and FM radio signals are broadcast from transmitter towers located around your city. They are intercepted by the radio antenna on your vehicle. This signal is then received by the radio and sent to your vehicle speakers.

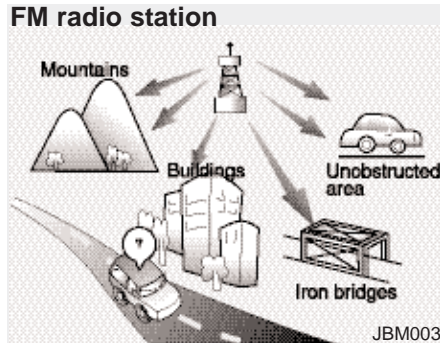
When a strong radio signal has reached your vehicle, the precise engineering of your audio system ensures the best possible quality reproduction. However, in some cases the signal coming to your vehicle may not be strong and clear. This can be due to factors such as the distance from the radio station, closeness of other strong radio stations or the presence of buildings, bridges or other large obstructions in the area.

### AM(MW, LW) reception

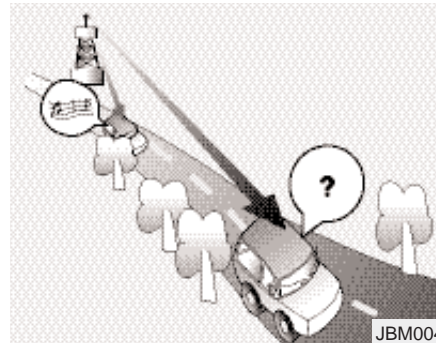


JBM002

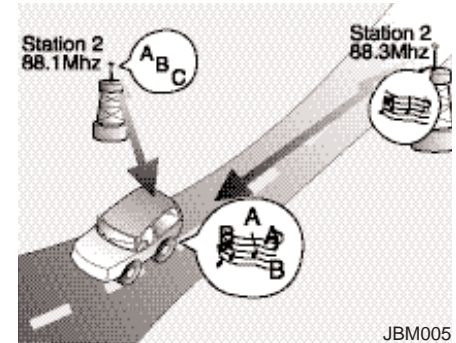
AM(MW, LW) broadcasts can be received at greater distances than FM broadcasts. This is because AM(MW, LW) radio waves are transmitted at low frequencies. These long, low frequency radio waves can follow the curvature of the earth rather than travelling straight out into the atmosphere. In addition, they curve around obstructions so that they can provide better signal coverage.



FM broadcasts are transmitted at high frequencies and do not bend to follow the earth's surface. Because of this, FM broadcasts generally begin to fade at short distances from the station. Also, FM signals are easily affected by buildings, mountains, or other obstructions. These can result in certain listening conditions which might lead you to believe a problem exists with your radio. The following conditions are normal and do not indicate radio trouble:



- **Fading** - As your vehicle moves away from the radio station, the signal will weaken and sound will begin to fade. When this occurs, we suggest that you select another stronger station.
- **Flutter/Static** - Weak FM signals or large obstructions between the transmitter and your radio can disturb the signal causing static or fluttering noises to occur. Reducing the treble level may lessen this effect until the disturbance clears.



- **Station Swapping** - As a FM signal weakens, another more powerful signal near the same frequency may begin to play. This is because your radio is designed to lock onto the clearest signal. If this occurs, select another station with a stronger signal.
- **Multi-Path Cancellation** - Radio signals being received from several directions can cause distortion or fluttering. This can be caused by a direct and reflected signal from the same station, or by signals from two stations with close frequencies. If this occurs, select another station until the condition has passed.

### **Using a cellular phone or a two-way radio**

When a cellular phone is used inside the vehicle, noise may be produced from the audio equipment. This does not mean that something is wrong with the audio equipment. In such a case, use the cellular phone at a place as far as possible from the audio equipment.

#### **CAUTION**

*When using a communication system such a cellular phone or a radio set inside the vehicle, a separate external antenna must be fitted. When a cellular phone or a radio set is used with an internal antenna alone, it may interfere with the vehicle's electrical system and adversely affect safe operation of the vehicle.*

#### **WARNING**

**Don't use a cellular phone when you are driving. You should stop at a safe place to use a cellular phone.**

### **Care of discs**

- If the temperature inside the vehicle is too high, open the vehicle windows for ventilation before using your vehicle audio.
- It is illegal to copy and use MP3/WMA files without permission. Use CDs that are created only by lawful means.
- Do not apply volatile agents such as benzene and thinner, normal cleaners and magnetic sprays made for analogue disc onto CDs.
- To prevent the disc surface from getting damaged. Hold and carry CDs by the edges or the edges of the center hole only.
- Clean the disc surface with a piece of soft cloth before playback (wipe it from the center to the outside edge).
- Do not damage the disc surface or attach pieces of sticky tape or paper onto it.
- Make sure objects other than CDs are not inserted into the CD player (Do not insert more than one CD at a time).

- Keep CDs in their cases after use to protect them from scratches or dirt.
- Depending on the type of CD-R/CD-RW CDs, certain CDs may not operate normally according to manufacturing companies or making and recording methods. In such circumstances, if you still continue to use those CDs, they may cause the malfunction of your vehicle audio system.

#### **\* NOTICE - Playing an Incompatible Copy Protected Audio CD**

**Some copy protected CDs, which do not comply with the international audio CD standards (Red Book), may not play on your vehicle audio. Please note that if you try to play copy protected CDs and the CD player does not perform correctly the CDs maybe defective, not the CD player.**

## RADIO, SET UP, VOLUME CONTROL

■ Type A



1. FM/AM Selection Button
2. Power ON/OFF Button and Volume Control Knob
3. Automatic Channel Selection Button
4. SCAN Selection Button
5. Preset Selection Button
6. TUNE/AUDIO Knob
7. MUTE Button

PA910HMU (CDP)

## ■ Type B



1. FM/AM Selection Button
2. Power ON/OFF Button and Volume Control Knob
3. Automatic Channel Selection Button
4. SCAN Selection Button
5. Preset Selection Button
6. TUNE/AUDIO Knob

PA960HMU (CDC)



■ Type C



1. FM/AM Selection Button
2. Power ON/OFF Button and Volume Control Knob
3. Automatic Channel Selection Button
4. SCAN Selection Button
5. Preset Selection Button
6. TUNE/AUDIO Knob

PA965HMJ (CDC\_RSE)

## How to Activate RADIO, SET UP, VOLUME Control

### 1. FM/AM Selection Button

The FM/AM button toggles between FM and AM. Listed below are the paths as the system switches from FM to AM and back to FM.

- FM/AM : FM1→FM2→AM→FM1...
- FM : FM1→FM2→FM1...

### 2. Power ON/OFF Button & Volume Control Knob

- Turns the audio system on/off when the ignition switch is on ACC or ON.
- If the knob is turned clockwise/counter-clockwise, the volume will increase/decrease.

### 3. Automatic Channel Selection Button

- When the [TRACK ∨] is pressed, it will automatically tune to the next lower station.
- When the [SEEK ∧] is pressed, it will automatically tune to the next higher station.

### 4. SCAN Selection Button

- When the button is pressed, it automatically scans the radio stations upwards.
- The SCAN feature steps through each station, starting from the initial station, for ten seconds.
- Press the [SCAN] button again to stop the scan feature and to listen to the currently selected channel.

### 5. Preset Selection Button

- Press [1]~[6] buttons less than 0.8 second to play the station saved in each button.
- Press [1]~[6] button more than 0.8 second or longer to save the current station to the respective button with a beep.

### 6. TUNE/AUDIO Knob

If the knob is turned clockwise/counter-clockwise, the frequency will increase/decrease.

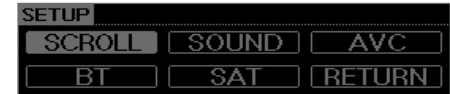
(AM 10kHz, FM 200kHz)

## ■ Audio Setup MODE

Press and Rotate [AUDIO] repeatedly to choose the desired mode.

Each press changes the mode as below : (Hierarchy 4 (AUTO VOLUME CONTROL) mode is only selected in the CDP.)

### • Hierarchy 1



### • Hierarchy 2



- ✿ For example: To Adjusting SIRIUS DISPLAY
- Press [AUDIO] to activate SETUP mode, then Hierarchy 1 is selected.
- Rotate [AUDIO], to select the SAT control mode.
- Rotate [AUDIO] to select the SIRIUS Display mode.
- If [AUDIO] is not pressed/rotated for 5 seconds after adjusting, the display automatically returns to normal mode.
- Another adjusting mode can be used for same operation.

## 7. MUTE Button(CDP ONLY)

Press [MUTE] to stop the sound and "MUTE" is displayed on the LCD.

## CDP

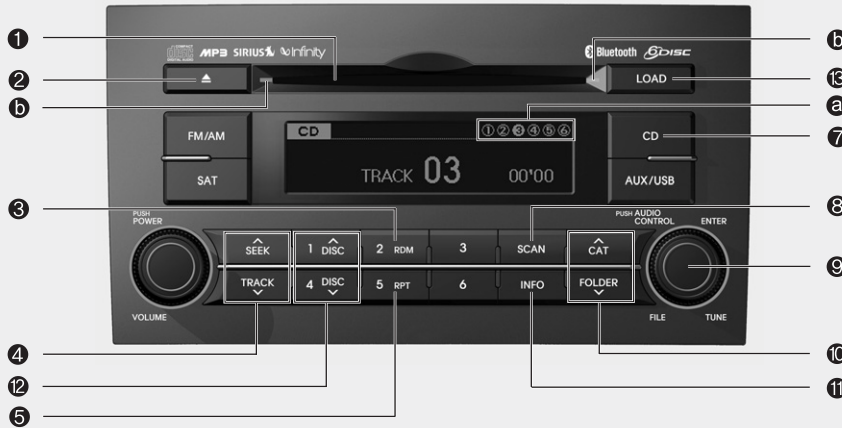


1. CD Loading SLOT
2. CD Eject Button
3. RANDOM Play Button
4. Automatic Track Selection Button
5. REPEAT Play Button
6. CD Indicator
7. CD Selection Button
8. SCAN Play Button
9. Track/File Search Knob and ENTER Button
10. Folder search Button
11. INFORMATION Button

PA960HMU (CDC)

## CD CHANGER

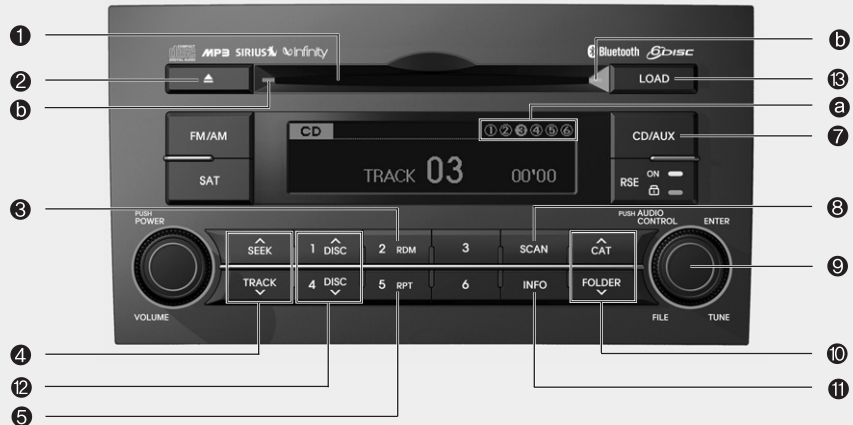
■ Type A



1. CD Loading Slot
2. CD Eject Button
3. RANDOM Play Button
4. Automatic Track Selection Button
5. REPEAT Play Button
6. CD Indicator
7. CD Selection Button
8. SCAN Play Button
9. Track/File Search Knob and ENTER Button
10. Folder search Button
11. INFORMATION Button
12. DISC UP/DOWN Button
13. CD Loading Button
- (a). CD Number Indicator field
- (b). CD Slot indicator

PA960HMU (CDC)

■ Type B



- 1. CD Loading Slot
- 2. CD Eject Button
- 3. RANDOM Play Button
- 4. Automatic Track Selection Button
- 5. REPEAT Play Button
- 6. CD Indicator
- 7. CD Selection Button
- 8. SCAN Play Button
- 9. Track(File) Search Knob and ENTER Button
- 10. FOLDER Search Button
- 11. INFORMATION Button
- 12. DISC UP/DOWN Button
- 13. CD Loading Button
- (a). CD Number Indicator field
- (b). CD Slot indicator

PA965HMU

## How to Activate CDP/CD CHANGER

### 1. CD Loading Slot

- Please place the CD with the printed side upward, and then gently push in.
- CDP models support both 8cm and 12 cm CDs.
- CDC models support only 12 cm CD.
- If VCD, Data CD, DVD are loaded, "MEDIA ERROR" message will appear and the CD will eject.

### CAUTION

*Don't insert a CD, if CD indicator is illuminated in the CDP.*

### 2. CD Eject Button





- Press this button to eject the CD during CD playback.
  - If there is no CD in the deck, "NO DISC" will be displayed for 5 seconds and returns to the previous mode.
- ✳ ALL EJECT(CDC ONLY)  
Press this button for more than 0.8 second to eject all discs inside the decks in the respective order.

### 3. RANDOM Play Button

Press this button for less than 0.8 second to activate 'RDM' mode and more than 0.8 second to activate 'ALL RDM' mode.

- RDM : Only files/tracks in a folder/disc are played in random sequence.
- ALL RDM (MP3/WMA Only) : All files /tracks in a folder/disc are played in random sequence.

### 4. Automatic Track Selection Button

- Press [TRACK - Press and hold [TRACK - Press [SEEK - Press and hold [SEEK 

### 5. REPEAT Play Button

Press this button for less than 0.8 second to activate 'RPT' mode and more than 0.8 second to activate 'FLD RPT' mode.

- RPT : Only a track(file) is played repeatedly.
- FLD RPT(MP3/WMA Only) : Only files in a folder are played repeatedly.

### 6. CD Indicator(CDP ONLY)

When the ignition switch is in the ACC or ON position and if the CD is loaded, this indicator is illuminated.

### 7. CD Selection Button

- If the CD is loaded, turns to CD mode.
- If there is no Disc in the deck, it displays "NO DISC" for 5 seconds and returns to the previous mode.

### 8. SCAN Selection Button

Plays back the first 10 seconds of each song in the CD.

### 9. Track(File) Search Knob and ENTER Button

- Turn this knob clockwise to display the Track NO(File name) after the current song.
- Turn this button counterclockwise to display the Track NO(File Name) before the current song.
- To select the displayed song, press the button.

### 10. FOLDER Search Button

- Folder name/File name(the first song in the folder) is moved up or down from the currently playing folder.
- To select the displayed folder, press ENTER(NO.10) button.

### 11. INFORMATION Button

Displays the information of the current CD TRACK(FILE) as below when the button is pressed each time.

- CDDA : Disc Title→Disc Artist→Track Title→Track Artist→Total Track... (not displayed if the information is not available on the DISC)
- MP3/WMA : File Name→Title→Artist→Album→Folder Name→Total File...

### 12. DISC UP/DOWN Button (CDC ONLY)

Disc is moved up or down from the currently playing disc.

#### CAUTION

- **Insert a CD only while "Insert Disc(1~6)" is displayed and the slot indicator blinks.**
- **Don't insert two CDs for one operation.**

### 13. CD Loading Button(CDC ONLY)

How to load a CD

- Press [LOAD] for less than 0.8 second.
- An empty slot is selected and the CD number indicator(a) blinks on the LCD.
- After "WAIT" is displayed for a moment, "INSERT DISC(1~6)" is displayed and the CD slot indicator(b) blinks.
- Insert a CD while the slot indicator blinks.

How to load CDs(ALL Load)

- Press [LOAD] for more than 0.8 second.
- An empty slot is selected and the CD number indicator(a) blinks on the LCD.



## **⚠ CAUTION IN USING USB DEVICE**

- To use an external USB device, make sure the device is not mounted when starting up the vehicle and mount the device after starting up.
- If you start the vehicle when the USB device is mounted, it may damage the USB device. (USB is not ESA.)
- If the vehicle is started up or turned off while the external USB device is connected, the external USB device may not work.
- It may not play inauthentic MP3 or WMA files.
  - 1) It can only play MP3 files with the compression rate between 8Kbps~320Kbps.
  - 2) It can only play WMA music files with the compression rate between 8Kbps~320Kbps.
- Take cautions for static electricity when mounting or dismounting the external USB device.
- An encoded MP3 PLAYER is not recognizable.

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- Depending on the condition of the external USB device, the connected external USB device can be unrecognizable.
- When the formatted byte/sector setting of External USB devices is not either 512BYTE or 2048BYTE, then the device will not be recognized.
- Use only a USB device formatted to FAT 12/16/32.
- USB devices without USB IF authentication may not be recognizable.
- Make sure the USB connection terminal does not come in contact with human bodies or external objects.
- If you repeat mounting and unmounting the USB device in a short period of time, it may break the device.
- You may hear a strange noise when mounting or dismounting a USB device.

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- If you dismount the external USB device during playback in USB mode, the external USB device can be damaged or malfunction. Therefore, mount the external USB device when the engine is turned off or in another mode.
- Depending on the type and capacity of the external USB device or the type of the files stored in the device, there is a difference in the time taken for recognition of the device, but this is not an indicator of trouble and you only have to wait.
- Do not use the USB device for other purposes than playing music files.
- Use of USB accessories such as recharger or heater using USB I/F may lower performance or cause trouble.
- If you use devices such as a USB hub purchased separately, the vehicle's audio system may not recognize the USB device. Connect the USB device directly to the multimedia terminal of the vehicle.

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- *If USB device is divided by logical drives, only the music files on the highest-priority drive are recognized by car audio.*
- *Devices such as MP3 Player/ Cellular phone/Digital camera those are not recognizable by standard USB I/F can be unrecognizable.*
- *USB devices other than standardized goods (METAL COVER TYPE USB) can be unrecognizable.*
- *USB flash memory reader (such as CF, SD, microSD, etc.) or external-HDD type devices can be unrecognizable.*
- *Music files protected by DRM (DIGITAL RIGHTS MANAGEMENT) are not recognizable.*
- *The data in the USB memory may be lost while using this AUDIO. It is recommended to back up important data on a personal storage device.*

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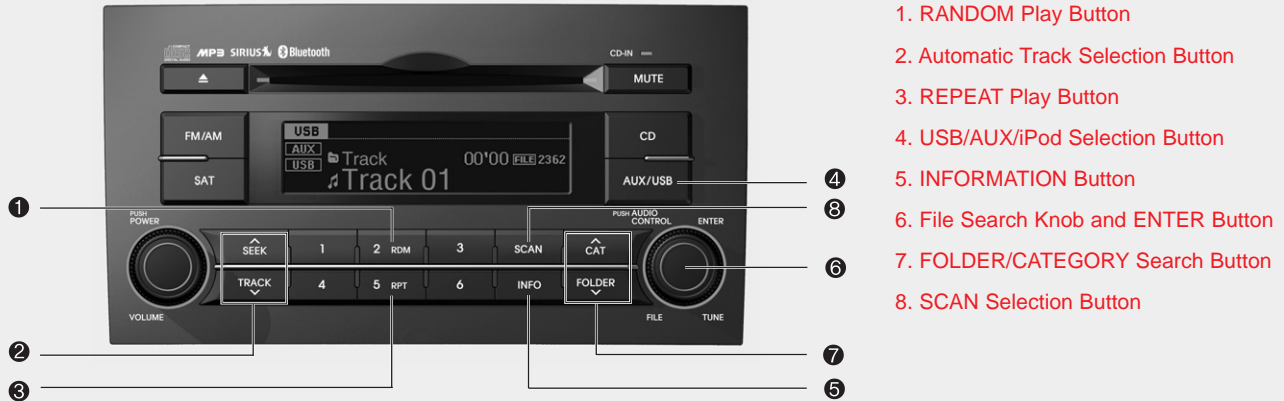
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- *Please avoid using USB memory products which can be used as key chains or cellular phone accessories as they could cause damage to the USB jack. Please make certain only to use plug type connector products as shown below.*



## USB MEMORY/AUX/iPod®

■ Type A



1. RANDOM Play Button
2. Automatic Track Selection Button
3. REPEAT Play Button
4. USB/AUX/iPod Selection Button
5. INFORMATION Button
6. File Search Knob and ENTER Button
7. FOLDER/CATEGORY Search Button
8. SCAN Selection Button

PA910HMU (CDP)

iPod® is a trademark of Apple Inc.

## ■ Type B



1. RANDOM Play Button
2. Automatic Track Selection Button
3. REPEAT Play Button
4. USB/AUX/iPod Selection Button
5. INFORMATION Button
6. File Search Knob and ENTER Button
7. FOLDER/CATEGORY Search Button
8. SCAN Selection Button

PA960HMU (CDC)

■ Type C



- 1. RANDOM Play Button
- 2. Automatic Track Selection Button
- 3. REPEAT Play Button
- 4. USB/AUX/iPod Selection Button
- 5. INFORMATION Button
- 6. File Search Knob and ENTER Button
- 7. FOLDER/CATEGORY Search Button
- 8. SCAN Selection Button

PA965HMU (CDC\_RSE)

## How to Activate USB MEMORY

### 1. *RANDOM Play Button*

Press this button for less than 0.8 second to activate 'RDM' mode and more than 0.8 second to activate 'ALL RDM' mode.

- RDM : Only files in a folder are played back in random sequence.
- ALL RDM : All files in a USB memory are played back in random sequence.

### 2. *Automatic Track Selection Button*

- Press [TRACK √] to return to the beginning of the current file.  
Press again within 1 second to return the previous file.
- Press and hold [TRACK √] to initiate rewind search.
- Press [SEEK ^] for less than 0.8 second to advance the next file.
- Press and hold [SEEK ^] to initiate fast forward search.

### 3. *REPEAT Play Button*

Press this button for less than 0.8 second to activate 'RPT' mode and more than 0.8 second to activate 'FLD RPT' mode.

- RPT : Only a file is played repeatedly.
- FLD RPT : Only files in a folder are played repeatedly.

### 4. *USB/AUX Selection Button*

- If auxiliary device/USB/ is connected, it turns to USB/AUX mode and toggles as below when the button is pressed each time.  
AUX/USB : AUX→USB→AUX.....
- If no auxiliary device and USB is connected, it displays "No Media" for 5 seconds and returns to the previous mode.

### 5. *INFORMATION Button*

Displays the information of the current CD TRACK(FILE) as below when the button is pressed each time.

File Name→Title→Artist→Album  
→Folder Name→Total File...(not displayed if the file has no song)

### 6. *File Search Knob and ENTER Button*

- Turn this knob clockwise to display File name after the current song.
- Turn this knob counterclockwise to display File Name before the current song.
- To select the displayed song, press the button.

### 7. *FOLDER Search Button*

- Folder name/File name(the first song in the folder) is moved up or down from currently playing folder.
- To select the displayed folder, press ENTER(NO.6) button.

### 9. *SCAN Play Button*

Plays back the first 10 seconds of each song in the USB memory.

## How to Activate iPod Device

### 1. RANDOM Play Button

Press this button for less than 0.8 second to activate 'RANDOM' mode and more than 0.8 second to activate 'SHUFFLE' mode.

- 'RANDOM': All songs in the current category are played in random.
- 'SHUFFLE': An album in the iPod is selected in random and is played in the order of the songs in the album.

### 2. Automatic Track Selection Button

- Press [TRACK] to return to the beginning of the current file.  
Press again within 1 second to return the previous file.
- Press and hold [TRACK] to initiate rewind search.
- Press [SEEK] for less than 0.8 second to advance to the next file.
- Press and hold [SEEK] to initiate fast forward search.

### 3. REPEAT Play Button

A single song is played repeatedly.

### 4. iPod Selection Button

If iPod is connected, it turns to iPod mode.

### 5. INFORMATION Button

Displays the information of the file currently played as below when the button is pressed each time.

Title→Artist→Album...

### ■ Searching for a desired Song/Title

Using search mode's individual hierarchy, you can narrow down your search as shown in the table below.

\* For example : Searching by Composers

- Press [FOLDER] or turn [ENTER] to activate the Menu Select mode.
- Turn [ENTER] to select the Composers, and press ENTER.
- Turn [ENTER] to select the Albums, and press ENTER.
- Turn [ENTER] to select the Song, and press ENTER. The selected song is played.
- In the search mode, pressing [FOLDER] will return to the previous mode.
- Other search modes scan be adjusted as above. Although, the hierarchy differs.

Hierarchy 1	Hierarchy 2	Hierarchy 3	Hierarchy 4	Hierarchy 5
Playlist	Playlists	Songs	-	-
Artist	Artists	Albums	Songs	-
Album	Albums	Songs	-	-
Song	Songs	-	-	-
Genre	Genres	Artists	Albums	Songs
Composer	Composers	Albums	Songs	-

### \* NOTICE - Using iPod device

- Some iPod models might not support the communication protocol and the files will not be played.
- The order of search or playback of songs in the iPod can be different from the order searched in the audio system.
- If the iPod crashes due to its own trouble, reset the iPod. (Reset: Refer to iPod manual)
- iPod may not operate normally on low battery.

### CAUTION IN USING iPod DEVICE

- You need the power cable exclusive for an iPod in order to operate an iPod with the buttons on the audio system. Connection through standard iPod-USB cable is not supported, so do not use it with car audio.

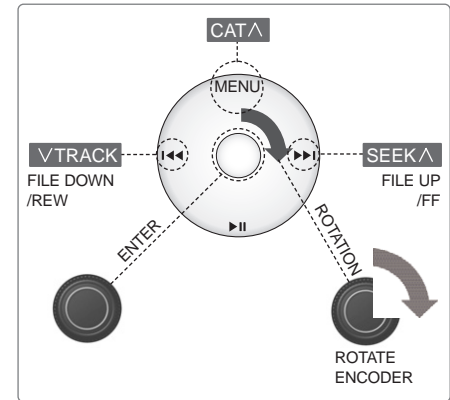
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- When connecting the device with an iPod cable, push in the jack fully so as not to cause interfere with communication.
- When adjusting the sound effects of an iPod and the audio system, the sound effects of both devices will overlap and might reduce or distort the quality of the sound.
- Deactivate (turn off) the equalizer function of an iPod when adjusting the audio system's volume, and turn off the equalizer of the audio system when using the equalizer of an iPod.
- When the iPod cable is connected, the system can be switched to the AUX mode even without the iPod device and can cause noise. Disconnect the iPod cable when you are not using the iPod device.
- When not using iPod with car audio, detach the iPod cable from iPod. If not, the iPod may remain in accessory mode, and may not work properly.

### \* iPod to AUDIO Buttons

(It is displayed once at the beginning of iPod mode)





RSE(DVD/AUX2)



1. DVD TRACK UP/DOWN Button
2. DVD TITLE UP/DOWN Button
3. RSE ON/OFF, RSE LOCK/UNLOCK Button
4. AUX2/DVD Selection Button

PA965HMU

### Using the Rear Seat Entertainment (RSE)

#### 1. DVD Chapter Selection Button

- Press [TRACK √] button to play from the beginning of current track.
- Press [TRACK √] button again within 3 seconds to play the previous track.
- Press [SEEK ^] button for less than 0.8 second to play the next track.

#### 2. DVD Title Selection Button

- Press [FOLDER √] button to play the previous track.
- Press [CAT ^] button to play the next track.

#### 3. RSE ON/OFF, LOCK/UNLOCK Button

When the RSE ON/OFF, LOCK/UNLOCK button is pushed for less than 0.8 second, the red color LED of the button will light and RSE unit will be locked. If you push button for more than 0.8 second, the green color LED of the button will light and RSE unit will turn on and [RSE] will appear on the LCD.

#### 4. DVD/AUX2 Selection Button

In the event there is a DVD inserted and an auxiliary device is connected to the RSE system, pressing the DVD/AUX2 button will switch between DVD and AUX2 modes.



## SIRIUS SATELLITE RADIO

■ Type A



1. SATELLITE RADIO Selection Button
2. Channel Selection Button
3. Preset Selection Button
4. SCAN Selection Button
5. Tune Knob and Enter Button
6. CAT/FOLDER Button
7. INFO Selection Button

PA910HMU (DCP)

## ■ Type B



1. SATELLITE RADIO Selection Button
2. Channel Selection Button
3. Preset Selection Button
4. SCAN Selection Button
5. Tune Knob and Enter Button
6. CAT/FOLDER Button
7. INFO Selection Button

PA960HMU (CDC)

■ Type C



1. SATELLITE RADIO Selection Button
2. Channel Selection Button
3. Preset Selection Button
4. SCAN Selection Button
5. Tune Knob and Enter Button
6. CAT/FOLDER Button
7. INFO Selection Button

PA965HMU

### How to Use SIRIUS Satellite Radio

Your Kia vehicle is equipped with 3 months complimentary period of SIRIUS Satellite Radio so you have access to over 130 channels of music, information, and entertainment programming.

#### Activation

In order to extend or reactivate your subscription to SIRIUS Satellite Radio, you will need to contact SIRIUS Customer Care at 888-539-7474. Have your 12 digit SID (Sirius Identification Number)/ESN (Electronic Serial Number) ready. To retrieve the SID/ESN, turn on the radio, press the [SAT] button, and tune to channel zero. Please note that the vehicle will need to be turned on, in Sirius mode, and have an unobstructed view of the sky in order for the radio to receive the activation signal.

#### 1. SATELLITE RADIO Selection Button (SIRIUS Satellite Radio)

Press the [SAT] button to switch to SIRIUS Satellite Radio. It cycles through the different bands as noted below.  
SAT1→SAT2→SAT3→SAT1→...

#### 2. Channel Selection Button

- Press [TRACK ∨] or [SEEK ∧] button for less than 0.8 second to select previous or next channel.
- Press [TRACK ∨] or [SEEK ∧] button for 0.8 second or longer to continuously move to previous or next channel.
- if "CATEGORY" Icon is displayed at the top of the screen, channel up/down is done through the channels within current category.

#### 3. Preset Selection Button

- Press [1]~[6] buttons less than 0.8 second to play the channel saved in each button.
- Press [1]~[6] button for 0.8 second or longer to save current channel to the respective button with a beep.

#### 4. SCAN Selection Button

- When the [SCAN] button is pressed, it automatically scans the radio stations upwards.
- The SCAN feature steps through every channel, starting from the initial channel, for ten seconds.
- Press the [SCAN] button again to stop the scan feature and to listen to the currently selected channel.
- if "CATEGORY" Icon is displayed at the top of the screen, channel changing is done through the channels within current category.

#### 5. Tune Knob and Enter Button

- Rotate clockwise to increase the channel number or to scroll down the category list.
- Rotate counterclockwise to decrease the channel number or to scroll up the category list.
- Press this button to make selection of channels or items.

## 6. CAT/FOLDER Button

- Press [CAT/∧] or [FOLDER/∨] button to enter the Category List Mode. The display will indicate the category items, highlight the category that the current channel belongs to.
- In the Category List Mode, press these buttons to navigate category list.
- Press [ENTER] Button to select the lowest channel in highlighted category.
- If channel is selected by selecting category "CATEGORY" Icon is displayed at the top of the screen.

## 7. INFO Selection Button

Displays the information of the current channel as below when the button is pressed each time.

- When default display is CAT/CH  
Category/Channel→Artist/Title→Composer (if available)→Category/Channel →...
- When default display is ART/TITLE  
Artist/Title→Category/Channel→Composer(if available)→Artist/Title→...

## \* Troubleshooting

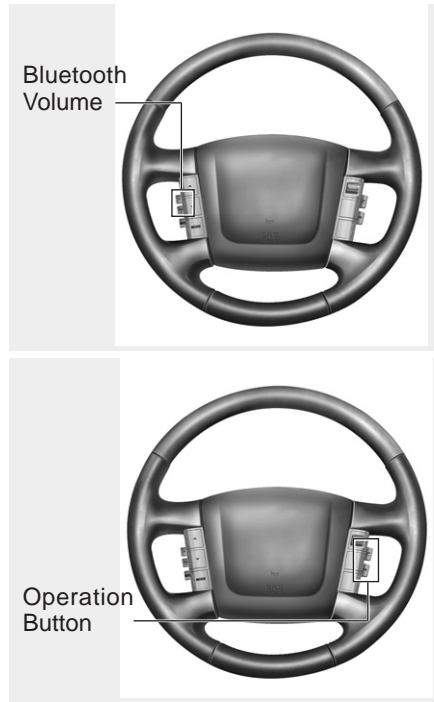
### 1. Antenna Error

If this message is displayed, the antenna or antenna cable is broken or unplugged. Please consult with your Kia dealership.

### 2. Acquiring Signal

If this message is displayed, it means that the antenna is covered and that the SIRIUS Satellite Radio signal is not available. Ensure the antenna is uncovered and has a clear view of the sky.

## BLUETOOTH PHONE OPERATION



### ■ General Feature

- This system supports Bluetooth, a wireless system that allows you to make or receive calls without taking your hands from the steering wheel and without using cables to connect the phone and system.
- The phone must be paired to the system before using the hands-free feature. Only one linked cellular phone can be used with the system at a time. The System is available in English, US Spanish, or Canadian French languages.




### CAUTION

*If the vehicle is moving do not use a cellular phone or connect the Bluetooth phone.*

### \* NOTICE

Some Bluetooth devices do not offer a perfect compatibility with this system.

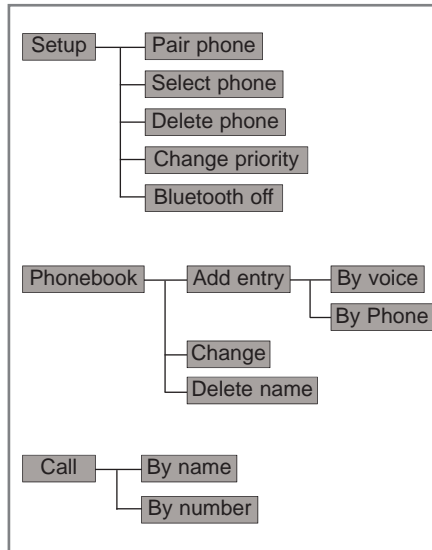
### ■ Voice Recognition Activation

- The voice recognition engine contained in the Bluetooth System can be activated in the following conditions:
  - Button Activation  
The voice recognition system will be active when the  button is pressed and after the sound of a Beep.
  - Active Listening  
The voice recognition system will be active for a period of time when the Voice Recognition system has asked for a customer response.
- The system can recognize single digits from zero to nine while number greater than ten will not be recognized.
- If the command is not recognized, the system will announce "Pardon" or No input voice signal from microphone. (No response)
- The system shall cancel voice recognition mode in following cases : When pressing the  button and saying cancel following the beep. When not making a call and pressing the  button. When voice recognition has failed 3 consecutive times.



- At any time if you say "help", the system will announce what commands are available.

## ■ Menu tree



## ■ Phone Setup

### • Pairing phone

To use the hands-free system, you need to register your phone in the system. Up to 5 phones can be registered in the system.

1. Press the button.
2. Say "Set Up".
3. Say "Pair Phone".
4. Say "Yes".
5. Say the name of the contact.
6. Say "Yes".
7. The Pairing procedure of the cellular phone varies according to each cellular phone.

### \* NOTICE

The system may not function in the following cases:  
**If 5 phones have already been registered.**  
**If the system cannot communicate with the phone.**

### • To connect phone

The registered phones can be selected. When the system connects to Bluetooth, the phone previously used is automatically selected. Select a different phone if necessary. Only the selected phone can be used with the hands-free system.

1. Press the button.
2. Say "Set Up".
3. Say "Select Phone".
4. Say the name of the contact or the number of the contact.
5. Say "Yes".

### \* NOTICE

The system may not function in the following cases:  
**If the phone is not found.**  
**If the system does not recognize the voice command.**


### • Deleting phone

The registered phones can be deleted.

1. Press the button.
2. Say "Set Up".
3. Say "Delete Phone".
4. Say the name of the contact, the number of the contact or "Delete all phone".
5. Say "Yes".


### • Changing Priority

The connection priority for registered phones can be changed.


1. Press the  button.
2. Say "Set Up".
3. Say "Change Priority".
4. Say the name of the contact or the number of the contact.
5. Say "Yes".

### • Turning Bluetooth on / off

Bluetooth function can be switched ON/OFF. initial status : Bluetooth ON

1. Press the  button.
2. Say "Set Up".
3. Say "Bluetooth off".
4. Say "Yes".

### • Turning Bluetooth on


1. Press the send or  button.
2. Say "yes".
3. The Bluetooth will be turned on.

### ■ Phone Book


#### • Adding Entry

Phone numbers and voice tags can be registered. Entries registered in the phone can also be transferred.

#### • Adding Entry by Voice

1. Press the  button.
2. Say "phonebook".
3. Say "add entry".
4. Say "by voice".
5. Say the name of the contact.
6. Say "yes".
7. Say the phone number.
8. Say "store".
9. Say "Home", "Office", "Mobile", "Other" or "default".
10. Say "Yes" to store an additional location for this contact.

#### • Adding Entry by phone

1. Press the  button.
2. Say "phonebook".
3. Say "add entry".
4. Say "by phone".
5. Say "yes".
6. Transfer procedures may vary depending on the cellular phone.

### \* NOTICE

The system can recognize single digits from zero to nine. Numbers that are ten or greater are not recognized.

To speed up input, it is a good idea to group all digits into a continuous string. However, you can enter each digit individually or group digits together in preferred string lengths.


The display corresponding to each operation appears on the screen as follows:

#### Input operation

1. say: "Nine, nine, five"  
Display: "995"
2. say: "Seven, three, four"  
Display: "995734"


#### • Changing Name

The registered names can be changed.

1. Press the  button.
2. Say "phonebook".
3. Say "Change name".
4. Say the name of the phonebook [voice tag].
5. Say "yes".
6. Say the name of the phonebook to be changed.

### • Deleting name


The registered names can be deleted.

1. Press the  button.
2. Say "phonebook".
3. Say "Delete name".
4. Say the name of the contact.
5. Say "yes".

### ■ Making a phone call

#### • Calling by Name

The system dials the numbers corresponding to the spoken names registered in the system.

1. Press the  button.
2. Say "Call".
3. Say "name".
4. Say "<John>".
6. Say "<at home>".
7. Say "yes".

#### \* Tip


A shortcut to each of the following functions is available.

1. Say "Call name".
2. Say "Call <john>".
3. Say "Call <john at home>".

#### • Dialing by Number

The system will make a phone call by dialing the spoken numbers.

The system can recognize single digits from zero to nine.

1. Press the  button.
2. Say "Call".
3. Say "Number".

4. Say "<digit number>".
5. Say "<added digit number>".
6. Say "Dial".

#### \* Tip

A shortcut to each of the following functions is available.

1. Say "Dial number".
2. Say "Dial <digit>".

### ■ Receiving a phone call

When receiving a phone call, a ring tone is audible and the system changes into telephone mode.

When receiving a phone call, the phone number and the message "Incoming" will be displayed.

- Do either one of the following:
  - Press the send switch to take the call.
  - Press the end switch to refuse the call.
- To adjust the ring volume, push "+" or "-" on the steering volume controls.

Volume adjustment cannot be made using the audio system.
- To transfer a call to the phone:

The received call can be transferred from the hands-free system to the cellular phone that is connected to Bluetooth. For details, please refer to your user's manual for the cellular phone or go to the Key matrix in this manual (next page).

### ■ Talking on the phone

When talking on the phone, the display will differ depending on whether or not the vehicle is in motion.

Number and "active call" is displayed.




When the call is finished, press the end switch.

### \* NOTICE

**In the following situations, your voice may not reach the other party:**

- 1. Talk alternately with the other party on the phone. If you talk at the same time, the voice may not reach each other parties. (This is not a malfunction.) (It is not a malfunction.)**
- 2. Keep the volume of receiving voice to a low level. Otherwise, high volumes may result in an echo. When you talk on the phone, speak clearly towards the microphone.**
- 3. When driving on a rough road.**
- 4. When driving at high speeds.**
- 5. When the window is open.**
- 6. When the air conditioning vents are facing the microphone.**
- 7. When the sound of the air conditioning fan is loud.**

■ Key matrix

No.	KEY		Class							
			Paired H/P Empty	Disconnected	Connected		Incoming Call	Outgoing Call	Active Call	2nd Call
					Normal mode	BT SETUP menu				
1		SHORT	Not Paired	Not Connecting	-	-	Accept Call	-	2nd call 1st Call:waiting 2nd Call:active	2nd Call 2nd Call:waiting 1st Call:active
		LONG	-	-	-	-	-	-	Transfer call:secret call	
2		SHORT	VR MODE Cancel	VR MODE Cancel	VR MODE Cancel	VR MODE Cancel	Reject Call	End Call	End Call	End Call
		LONG [10sec]	-	-	Speaker Adaptation (Only English)	Speaker Adaptation (Only English)	-	-	-	-
3		SHORT	Active	Active	Active	Active	-	-	-	-
		LONG [10sec]	Change language	Change language	Change language	Change language	-	-	-	-

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

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

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum 20 cm between the radiator and your body. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter unless authorized to do so by the FCC.

**IC Warning**

Operation of this device 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.