## FM radio reception

JBM001

--D300800AHM

How vehicle audio works

AM and FM r adio signals are broadcast from tr ansmitter to wers located around your city . They are intercepted b y the radio antenna on your vehicle. This signal is then received by the r adio and sent to your vehicle speakers.

When a strong r adio signal has reached your v ehicle, the precise engineer ing of your audio system ensures the best possible quality reproduction. However, in some cases the signal coming to y our vehicle may not be strong and clear. This can be due to f actors such as the distance from the radio station, closeness of other strong r adio stations or the presence of b uildings, br idges or other large obstructions in the area.

AM radio reception

JBM002
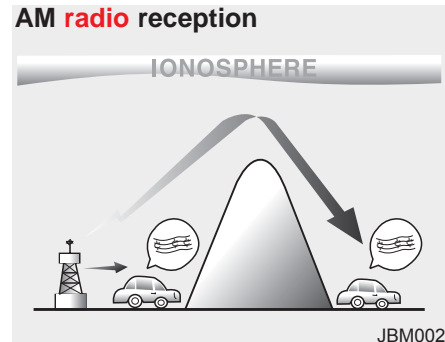
AM broadcasts can be receiv ed at greater distances than FM broadcasts . This is because AM r adio w aves are transmitted at lo w frequencies . These long, low frequency r adio waves can follow the curvature of the earth rather than travelling str aight out into the atmosphere. In addition, the y cur ve around obstructions so that they can provide better signal coverage.

FM radio station

JBM003
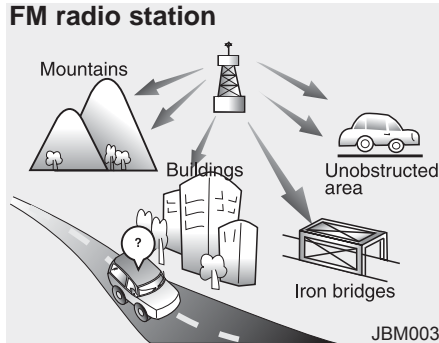
FM broadcasts are tr ansmitted at high frequencies and do not bend to follow the earth's surf ace. Because of this , FM broadcasts gener ally begin to f ade at short distances from the station. Also, FM signals are easily aff ected b y b uild-ings, mountains , or other obstr uctions. These can result in cer tain listening con-ditions which might lead y ou to believe a problem e xists with y our r adio. The f ol-lowing conditions are nor mal and do not indicate radio trouble:


JBM004
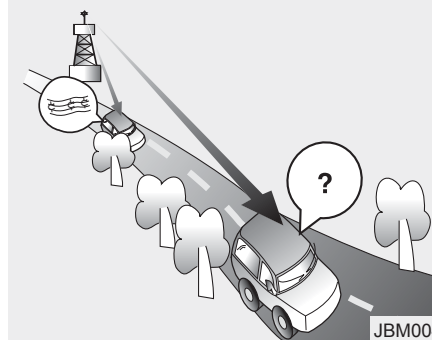
• Fading - As y our v ehicle mo ves a way from the r adio station, the signal will weaken and sound will begin to f ade. When this occurs, we suggest that you select another stronger station.
• Flutter/Static - Weak FM signals or large obstr uctions betw een the tr ans-mitter and y our r adio can disturb the signal causing static or flutter ing nois-es to occur . Reducing the treb le le vel may lessen this eff ect until the distur-bance clears.

JBM005
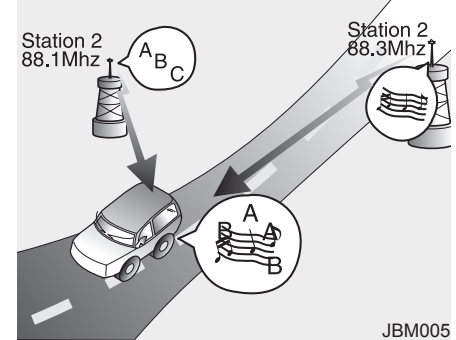
• Station Sw apping - As a FM signal weakens, another more po werful sig-nal near the same frequency ma y begin to pla y. This is because y our radio is designed to lock onto the clear-est signal. If this occurs, select another station with a stronger signal.
• Multi-Path Cancellation - Radio signals being received from se veral directions can cause distor tion or flutter ing. This can be caused b y a direct and reflect-ed signal from the same station, or b y signals from tw o stations with close frequencies. If this occurs , select another station until the condition has passed.

Satellite radio reception
You may experience difficulties in receiv-
ing SIRIUS satellite r adio signals in the
following situations.

SATELITE1
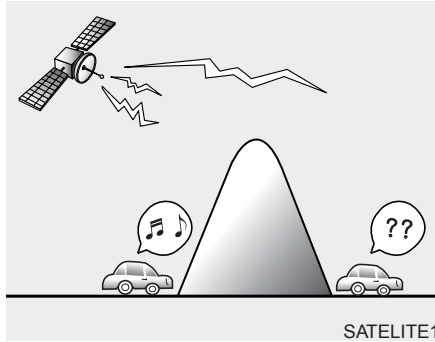
• If you are dr iving in a tunnel or a co v-
  ered parking area.
• If you are driving beneath the top le vel
  of a multi-level freeway.
• If you drive under a br idge.
• If you are dr iving next to a tall v ehicle
  (such as a tr uck or a b us) that b locks
  the signal.
• If you are driving in a v alley where the
  surrounding hills or peaks b   lock the
  signal from the satellite.

• If you are dr iving on a mountain road
  where is the signal b locked by moun-
  tains.

SATELITE2
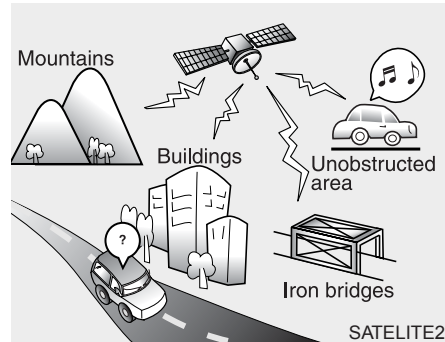
• If you are dr iving in an area with tall
  trees that block the signal (30 ft. / 10m
  or more), for example on an road that
  goes through a dense forest.
• The signal can become w eak in some
  areas that are not co   vered b y the
  SIRIUS repeater network.

NOTE:

**There may be other unforeseen cir-
cumstances leading to reception
problems with the SIRIUS satellite
radio signal.**

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**
>
> **Do not use a cellular phone while driving. Stop at a safe location to use a cellular phone.**

Care of disc

• If the temperature inside the car is too high, open the car windows for ventilation before using your car 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 on undesirable matter other than CDs are 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 car 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 car 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.

Using RADIO, SETUP, VOLUME and AUDIO CONTROL

1. FM/AM 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 Button

Turns to FM mode and toggles FM1and FM2 when the button is pressed each time.

AM Button

Pressing the AM button selects the AM band. AM Mode is displayed on the LCD.

2. POWER Button & VOL 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. SEEK Button

• When the ∨ SEEK 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 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 5 seconds.
• Press the SCAN button again to stop the scan feature and to listen to the currently selected channel.

5. MUTE Button

When the button is pressed, stops sound and "Audio Mute" is displayed on LCD.

6. DISP Button

Turn the LCD Display & Backlight ON/OFF when DISP button press.

7. PRESET Buttons

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

8. SETUP Button

Press this button to enter SETUP mode, If no action is taken for 8 seconds, it will return to previous mode.

SETUP 12:05
General Setting
| Main | Media | SAT |
| P.Bass | Phone | Clock |

In "SETUP" mode, rotate the TUNE knob to move the cursor between items, and push the TUNE knob to select.

• MAIN
Select this item to enter the Scroll and SDVC setup.

SETUP 12:05
Text Scroll
| Scroll | SDVC | ↩ |
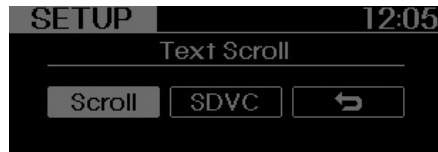
• SCROLL
Select whether long file names are scrolled continuously (On) or just once (Off).

**SCROLL** 12:05
Text Scroll
○ On ◉ Off
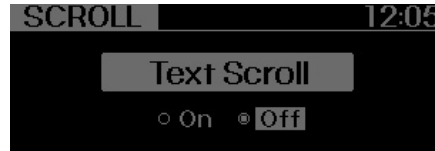
• SDVC (Speed Dependent Volume Control)
Select this item to turn the SDVC feature On or Off. If it is turned ON, volume level is adjusted automatically according to the vehicle speed.

SDVC 12:05
Speed Dependent Volume Control
○ On ◉ Off

• MEDIA
Select default display of MP3 play information. "Folder/File" or "Artist/Title" can be selected.

MEDIA 📀 12:05
MP3 Play Info.
◉ Folder/File ○ Artist/Title
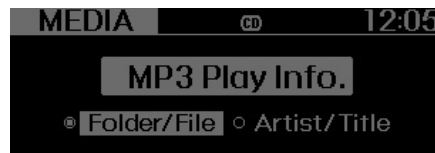
• SAT
Select default display of SIRIUS mode. "Cat./Ch." or "Artist/Title" can be selected.

SAT 12:05
SIRIUS Satellite Radio
○ Cat./Ch. ◉ Artist/Title

• CLOCK
Select this item to enter Clock setup mode. Adjust the hour and press the ENTER button to set. Adjust the minute and press the ENTER button to complete and exit from clock adjustment mode. Pressing the SETUP button while in power off, screen will allow the user to make immediately adjustments to the clock.

CLOCK 12:05
12:30
Use Tuning Knob

• PHONE

Select this item to enter Bluetooth® wireless technology setup mode. Refer to "BLUETOOTH PHONE OPERATION" section for detailed information.

PHONE		12:05
	Pair Phone	
Pair	Select	Prioriy
Delete	Advanced	↰

• P.BASS (PowerBass)

This function creates virtual sound effects and allows adjustments to the Bass level.

Off ➜ Low ➜ Mid ➜ High ➜ Off...

❊ AM Mode is not supported.

P.BASS	12:05
Power Bass	
◉ Off ○ Low ○ Mid ○ High	

9. TUNE & Audio Control Knob

Rotate the knob clockwise or counterclock wise to increase or decrease from current frequency.

(AM 10 kHz, FM 200 MHz)

Pressing the button changes the BASS, MIDDLE, TREBLE, FADER and BALANCE TUNE mode. The mode selected is shown on the display. After selecting each mode, rotate the Audio control knob clockwise or counterclockwise.

• BASS Control

To increase the BASS, rotate the knob clockwise, while to decrease the BASS, rotate the knob counterclockwise.

• MIDDLE Control

To increase the MIDDLE, rotate the knob clockwise, while to decrease the MIDDLE, rotate the knob counterclockwise.

• TREBLE Control

To increase the TREBLE, rotate the knob clockwise, while to decrease the TREBLE, rotate the knob counterclockwise.

• FADER Control

Turn the control knob clockwise to emphasize rear speaker sound (front speaker sound will be attenuated). When the control knob is turned counterclockwise, front speaker sound will be emphasized (rear speaker sound will be attenuated).

• BALANCE Control

Rotate the knob clockwise to emphasize right speaker sound (left speaker sound will be attenuated). When the control knob is turned counter clockwise, left speaker sound will be emphasized (right speaker sound will be attenuated).

Using CD Player

1. CD Eject Button

• Press ⏏ button to eject the CD. This button works regardless of ignition switch status.

2. CD/AUX Button (CD)

If the CD is loaded, turns to CD mode. If no CD, it displays "No Media" for 3 seconds and returns to the previous mode.

3. 1 Button (RANDOM)

Press this button for less than 0.8 sec-onds to activate 'RDM' mode and more than 0.8 seconds to activate 'ALL RDM' mode.

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

4. 2 Button (REPEAT)

Press this button for less than 0.8 sec-onds to activate 'RPT' mode and more than 0.8 seconds to activate 'FLD RPT' mode.

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

5. SCAN Button

Play each song in the CD for 10 seconds. To cancel SCAN Play, press this button again.

6. CD Slot

Insert a CD label side up and gently push in while ignition switch is on ACC or ON. The audio automatically switches to CD mode and begins to play the CD.

If the audio was turned off, audio power will automatically turned on as the CD is inserted.

• This audio only recognizes 12cm-size, CD-DA (Audio CD) or ISO data-CD (MP3 CD).
• If UDF data-CD or non-CD (e.g. DVD) is inserted, "Reading Error" message will be displayed and the disc will be ejected.

⚠ **CAUTION**
Do not insert a CD if CD indicator is lit.

7. TRACK Button

- Press ∨TRACK button for less than 0.8 seconds to play from the beginning of current song.
- Press ∨TRACK button for less than 0.8 seconds and press again within 1 second to play the previous song.
- Press ∨TRACK button for 0.8 seconds or longer to initiate reverse direction high speed sound search of current song.
- Press TRACK∧ button for less than 0.8 seconds to play the next song.
- Press TRACK∧ button for 0.8 seconds or longer to initiate forward direction high speed sound search of current song.

8. FOLDER Button

- Press ∨FOLDER button to move to child folder of the current folder and display the first song in the folder. Press TUNE/ ENTER knob to move to the folder displayed. It will play the first song in the folder.
- Press FOLDER∧ button to move to parent folder of the current folder and display the first song in the folder. Press TUNE/ENTER knob to move to the folder displayed.

9. INFO Button

Displays the information of the current song.
- Audio CD : Disc Title/Artist, Track Title

/Artist, Total Track.
- MP3 CD : File Name, Title, Artist, Album, Folder, Total Files (Not displayed if the information is unavailable on the CD or file.)
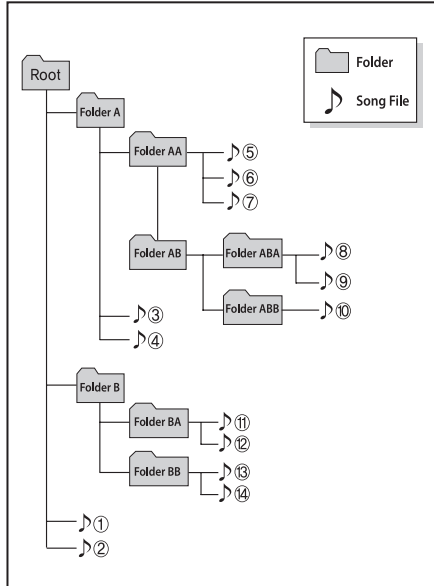
10. TUNE Knob & ENTER Button

- Turn this knob clockwise to browse songs after current song, or counter-clockwise to browse songs before current song. To play the displayed song, press the knob.
- Pressing this knob without turning enters to AUDIO CONTROL mode.
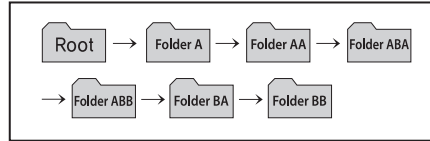
NOTE:

Order of playing files (folders) :

1. Song playing order : ① to ⑭ sequentially.

2. Folder playing order :

❋ **If no song file is contained in the folder, that folder is not displayed.**

⚠ **CAUTION IN USING USB DEVICE**

- *To use an external USB device, make sure the device is not connected when starting up the vehicle. Connect the device after starting up.*
- *If you start the engine when the USB device is connected, it may damage the USB device. (USB flashdrives are very sensitive to electric shock.)*
- *If the engine 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 precautions for static electricity when connecting or disconnecting the external USB device.*

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- *An encrypted MP3 PLAYER is not recognizable.*
- *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 device 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 I/F authentication may not be recognizable.*
- *Make sure the USB connection terminal does not come in contact with the human body or other objects.*
- *If you repeatedly connect or disconnect the USB device in a short period of time, it may break the device.*
- *You may hear a strange noise when connecting or disconnecting a USB device.*

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- *If you disconnect the external USB device during playback in USB mode, the external USB device can be damaged or may malfunction. Therefore, disconnect the external USB device when the audio is turned off or in another mode. (e.g, Radio or CD)*
- *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.*
- *Do not use the USB device for purposes other than playing music files.*
- *Playing videos through the USB is not supported.*
- *Use of USB accessories such as rechargers or heaters 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. In that case, connect the USB device directly to the multimedia terminal of the vehicle.*

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(Continued)
- **If the 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 can be unrecognizable by standard USB I/F can be unrecognizable.**
- **Charging through the USB may not be supported in some mobile devices.**
- ✻ **A car exclusive cable (Provided or sold separately) is required to use the iPod.**
- **Some non-standard USB devices (METAL COVER TYPE USB) can be unrecognizable.**
- **Some USB flash memory readers (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.**

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(Continued)
- **The data in the USB memory may be lost while using this audio. Always back up important data on a personal storage device.**
- **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.**

Using USB device

1. CD/AUX Button (USB or AUX)

If the auxiliary device is connected, it switches to AUX or USB mode to play the sound from the auxiliary player.

If there is no auxiliary device, then the message "No Media" will become displayed on the LCD for 3 seconds and returns to previous mode.

2. 1 Button (RANDOM)

- Press this button for less than 0.8 seconds to play songs randomly in current folder.
- Press this button for 0.8 seconds or longer to play songs randomly in entire USB device.

- To cancel RANDOM play, press this button again.

3. 2 Button (REPEAT)

- Press this button for less than 0.8 seconds to repeat current song.
- Press this button for 0.8 seconds or longer to repeat all songs in current folder.
- To cancel REPEAT, press this button again.

4. TRACK Button

- Press the ∨TRACK button for less than 0.8 seconds to play from the beginning of the current song.
  Press the button for less than 0.8 seconds and press it again within 1 second to move to and play the previous song.
  Press the button for 0.8 seconds or longer to play the song in reverse direction in fast speed.
- Press the TRACK∧ button for less than 0.8 seconds to move to the next song. Press the button for 0.8 seconds or longer to play the song in forward direction in fast speed.

5. SCAN Button

Plays each song in the USB device for 10 seconds.

To cancel SCAN Play, press this button again.

6. INFO Button

Displays the information of the file currently played in the order of
FILE NAME → TITLE → ARTIST → ALBUM → FOLDER → TOTAL FILE → NORMAL DISPLAY → FILE NAME…
(Displays no information if the file has no song information.)

8. TUNE **Knob &** ENTER **Button**

• Turn this knob clockwise to browse songs after current song, or counter clockwise to browse songs before current song. To play the displayed song, press the knob.

• Pressing this knob without turning enters to AUDIO CONTROL mode.

7. FOLDER **Button**

• Press ∨FOLDER button to move to child folder of the current folder and display the first song in the folder.

Press TUNE/ ENTER knob to move to the folder displayed. It will play the first song in the folder.

• Press FOLDER∧ button to move to parent folder display the first song in the folder.

Press TUNE/ENTER knob to move to the folder displayed.

❋ **NOTICE FOR USING THE iPod DEVICE**
• **Some iPod models might not support the communication protocol and the files will not be played. Supported iPod models:**
  - iPod Mini
  - iPod 4th(Photo) ~ 6th(Classic) generation
  - iPod Nano 1st~4th generation
  - iPod Touch 1st~2nd generation
• **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 disabled due to its own malfunction, reset the iPod. (Reset: Refer to iPod manual)**
• **An iPod may not operate normally on low battery.**
• **Some iPod devices, such as the iPhone, can be connected through the Bluetooth® wireless technology interface. The device must have audio Bluetooth® wireless technology capability (such as for stereo headphone Bluetooth® wireless technology). The device can play, but it will not be controlled by the audio system.**

⚠ **CAUTION IN USING THE iPod DEVICE**
• *The Kia iPod Power Cable is needed in order to operate iPod with the audio buttons on the audio system. The USB cable provided by Apple may cause malfunction and should not be used for Kia vehicles.*
  ❋ *The Kia iPod Power Cable may be purchased through your Kia Dealership.*
• *When connecting iPod with the iPod Power Cable, insert the connector to the multimedia socket completely. If not inserted completely, communications between iPod and audio may be interrupted.*
• *When adjusting the sound effects of the 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.*

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• *When the iPod cable is connected, the system can be switched to AUX mode even without iPod device and may 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. Otherwise, iPod may remain in accessory mode, and may not work properly.*

Detachable USB/AUX	All-in-one USB/AUX
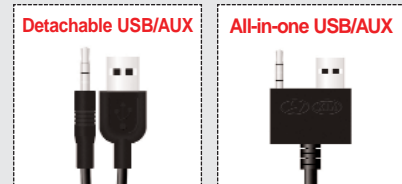
• *When connecting the iPod, use the USB/AUX terminals.*
• *When disconnecting the iPod, disconnect both the USB/AUX terminal.*
• *The iPod exclusive cable must be connected to both the USB/AUX terminals for iPod charging and operations to be supported.*

Using iPod®

❋ iPod® is a trademark of Apple Inc.

1. CD/AUX Button (iPod)

If iPod is connected, it switches to the iPod mode from the previous mode to play the song files stored in the iPod.

If there is no iPod connected, then it displays the message "No Media" for 3 seconds and returns to the previous mode.

2. 1 Button (RANDOM)

- Press this button for less than 0.8 seconds to shuffle order of all songs in current category. (Song Random)

- Press this button for 0.8 seconds or longer to shuffle order of albums in current category. (Album Random)
- To cancel RANDOM Play, press this button again.

3. 2 Button (REPEAT)

Repeats the song currently played.

4. TRACK Button

- Press the ∨TRACK button for less than 0.8 seconds to play from the beginning of the song currently played. Press the button for less than 0.8 seconds and press it again within 1 second to move to and play the previous track.

  Press the button for 0.8 seconds or longer to play the song in reverse direction in fast speed.

- Press the TRACK∧ button for less than 0.8 seconds to move to the next track.

  Press the button for 0.8 seconds or longer to play the song in forward direction in fast speed.

5. SCAN Button

Plays each song in the USB device for 10 seconds.

To cancel SCAN Play, press this button again.

6. 6 Button (MENU)

Moves to the upper category from currently played category of the iPod.

To move to (play) the category (song) displayed, press TUNE knob.

You will be able to search through the lower category of the selected category.

The standard order of iPod's category is SONGS ➝ ALBUMS ➝ ARTISTS ➝ GENRES ➝ iPod

7. TUNE **Knob &** ENTER **Button**

When you rotate the knob clockwise, it will display the songs (category) ahead of the song currently played (category in the same level).

Also, when you rotate the knob counterclockwise, it will display the songs (category) before the song currently played (category in the same level).

To listen to the song displayed in the song category, press the button to skip to and play the selected song.

Pressing the button changes the BASS, MIDDLE, TREBLE, FADER and BALANCE TUNE mode. The mode selected is shown on the display. After selecting each mode, rotate the Audio control knob clockwise or counterclockwise.

8. INFO **Button**

Displays the information of the file currently played in the order of

TITLE ➞ ARTIST ➞ ALBUM ➞ NORMAL DISPLAY ➞ TITLE... (Displays no information if the file has no song information.)

SIRIUS Satellite Radio information (if equipped)

Satellite Radio channels:

SIRIUS Satellite Radio has o ver 130 chan-nels, including 69 channels of 100% com-mercial-free m usic, plus spor ts, ne ws, talk and enter tainment a vailable nationwide in your v ehicle. For more inf ormation and a complete list of SIRIUS Satellite Radio channels, visit sir ius.com in the United States, sir ius-canada.ca in Canada, or call SIRIUS at 1-888-539-7474.

Satellite Radio reception factors:

To receive the satellite signal, y our vehi-cle has been equipped with a satellite radio antenna located on the roof of your vehicle. The v ehicle roof pro vides the best location f or an unobstr ucted, open view of the sky, a requirement of a satel-lite radio system. Like AM/FM, there are several f actors that can aff ect satellite radio reception performance:

• Antenna obstr uctions: For optimal reception performance, keep the anten-na clear of sno w and ice b uild-up and keep luggage and other mater ial as far away from the antenna as possib le.

• Terrain: Hills, mountains, tall b uildings, bridges, tunnels , free way o verpasses, parking gar ages, dense tree f oliage and thunderstor ms can interf ere with your reception.

SIRIUS Satellite Radio service:

SIRIUS Satellite Radio is a subscr iption-based satellite r adio ser vice that broad-casts music, sports, news and enter tain-ment prog ramming to r adio receiv ers, which are a vailable f or installation in motor v ehicles or f actory installed, as well as f or the home , por table and wire-less de vices, and through an Inter net connection on personal computer.

Vehicles that are equipped with a factory installed SIRIUS Satellite Radio system include:

• Hardware and an introductory trial sub-scription ter m, which begins on the date of sale or lease of the v ehicle.

• For a small upg rade f ee, access to SIRIUS m usic channels , and other select channels over the Internet using any computer connected to the Internet (U.S. customers only).

For information on e xtended subscr ip-tion ter ms, contact SIRIUS at 1-888-539-7474.

NOTE:

Satellite Radio requires SIRIUS® com-patible receiver and a subscription serv-ice fee after trial period.

Vehicles without a factory-installed radio receiver require hardware pur-chase and installation. Please see your dealer for further details. All fees and programming subject to change.

Subscriptions governed by the SIRIUS Terms & Conditions available at www.sirius.com / service terms.

Available only in the 48 contiguous United States and the District of Columbia. Service available in Canada; see www.siriuscanada.ca

KIA shall not be responsible for any such programming changes.

Satellite Radio Electronic Serial Number (ESN): This 12-digit Satellite

Serial Number is needed to re-activ ate, modify or tr ack y our satellite r adio account. You will need this n umber when communicating with SIRIUS.

Using SIRIUS Satellite Radio

Your Kia vehicle is equipped with a 3 month 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 1-888-539-7474. 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. `SAT` 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. `SEEK` Button (CHANNEL)

- Press `∨SEEK∧` button for less than 0.8 seconds to select previous or next channel.
- Press `∨SEEK∧` button for 0.8 seconds 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. `SCAN` 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.

4. `CAT` Button (CATEGORY)

- Press `∨CAT∧` 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.

5. PRESET Buttons

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

6. `TUNE` Knob & `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 to make selection of channels or items.

7. `INFO` Button

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

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

⚠ **CAUTION IN USING BLUETOOTH® WIRELESS TECHNOLOGY CELLU-LAR PHONE**

• *Do not use a cellular phone or perform Bluetooth® wireless technology settings (e.g. pairing a phone) while driving.*

• *Some Bluetooth® wireless technology-enabled phones may not be recognized by the system or fully compatible with the system.*

• *Before using Bluetooth® wireless technology related features of the audio system, refer your phone's User's Manual for phone-side Bluetooth® wireless technology operations.*

• *The phone must be paired to the audio system to use Bluetooth® wireless technologyrelated features.*

• *You will not be able to use the hands-free feature when your phone (in the car) is outside of the cellular service area (e.g. in a tunnel, in a underground, in a mountainous area, etc.).*

(Continued)

(continued)

• *If the cellular phone signal is poor or the vehicles interior noise is too loud, it may be difficult to hear the other person's voice during a call.*

• *Do not place the phone near or inside metallic objects, otherwise communications with Bluetooth® wireless technology system or cellular service stations can be disturbed.*

• *While a phone is connected through Bluetooth® wireless technology your phone may discharge quicker than usual for additional Bluetooth® wireless technology-related operations.*

• *Some cellular phones or other devices may cause interference noise or malfunction to audio system. In this case, store the device in a different location may resolve the situation.*

• *Please save your phone name in English, or your phone name may not be displayed correctly.*

NOTE:

If you need more information about Kia's Bluetooth® wireless technology. Contact kia website "www.kia.com" (OWNERS>General Info>Bluetooth® wireless technology).

BLUETOOTH® WIRELESS TECH-NOLOGY PHONE OPERATION
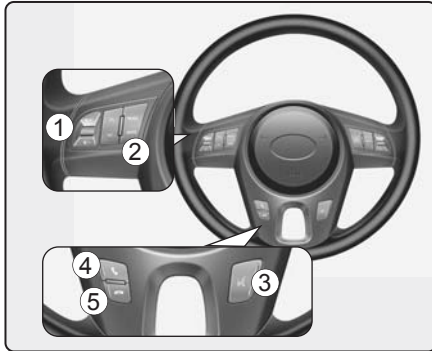
(if equipped)

1. VOLUME button : Raises or lowers speaker volume.
2. MUTE : Mute the microphone during a call.
3. [icon] button : Activates voice recognition.
4. [icon] button : Places and transfers calls.
5. [icon] button : Ends calls or cancels functions.

■ What is Bluetooth® wireless technology?

Bluetooth® wireless technology that allows multiple devices to be connected in a shor t r ange, lo w-powered de vices like hands-free, stereo headset, steer ing remote control, etc. For more inf orma-tion, visit the Bluetooth® wireless technol-ogy website at www.Bluetooth.com

■ General Features

• This audio system suppor ts Bluetooth® wireless technology hands-free and stereo-headset features.
- HANDS-FREE f eature: Making or receiving calls wirelessly through voice recognition.
- STEREO-HEADSET feature: Playing music from cellular phones (that sup-ports A2DP feature) wirelessly.
• Voice recognition engine of the Bluetooth® wireless technology system supports 3 types of languages:
  ○ English
  ○ Canadian French
  ○ US Spanish

✽ NOTICE

• **The phone must be paired to the sys-tem before using Bluetooth® wireless technology features.**
• **Only one selected (linked) cellular phone can be used with the system at a time.**
• **Some phones are not fully compatible with this system.**
• **The Bluetooth® wireless technology word mark and logos are registered trademarks owned by Bluetooth® SIG, Inc. and any use of such marks by Kia is under license. A Bluetooth® wireless technology enabled cell phone is required to use Bluetooth® wireless technology**

■ Receiving a Phone Call

When receiving a phone call, a r ingtone is audib le from speak ers and the audio system changes into telephone mode .
When receiving a phone call, "Incoming call" message and incoming phone num-ber (if a vailable) are displa yed on the audio.

• To Answer a Call:
- Press [icon] button on the steering wheel.
• To Reject a Call:
- Press [icon] button on the steering wheel.
• To Adjust Ring Volume:
- Use VOLUME b uttons on the steer ing wheel.
• To Transfer a Call to the Phone (Private Call):
- Press and hold [icon] button on the steering wheel until the audio system transfers a call to the phone .

■ **Talking on the Phone**

When talking on the phone , "Active Call" message and the other par ty's phone number (if available) are displayed on the audio.

• To Finish a Call
- Press ☎ button on the steering wheel.

✽ **NOTICE**

In the following situations, you or the other party may have difficulty hearing each other:
1. **Speaking at the same time, your voice may not reach each other parties. (This is not a malfunction.) Speak alternately with the other party on the phone.**
2. **Keep the Bluetooth® wireless technology volume to a low level. High-level volume may result in distortion and echo.**
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.**

■ **Bluetooth® wireless technology Audio Music Streaming**

The audio system suppor ts Bluetooth® wireless technology A2DP (A udio Advanced Distr ibution Profile) and AVRCP (A udio Video Remote Control Profile) technologies.

Both profiles pro vide steaming of m usic via compatib le "PAIRED" Bluetooth® wireless technology Cellular phone.

To stream m usic from the Bluetooth® wireless technology cellular phone , play your m usic files on y our cellular phone according to y our cellular phone user' s manual and press the CD/AUX button on the audio system until "MP3 play" is displayed on the LCD.

The audio system head unit displa ys 'MP3 MODE'.

NOTE:
• **In addition to streaming MP3 files, all music and sound files your cellular phone supports can be played by the audio system.**
• **Bluetooth® wireless technology compatible cellular phones must include A2DP and AVRCP capabilities.**
• **Some A2DP and AVRCP compatible Bluetooth® wireless technology cellular phones may not play music through the audio system initially. These cellular phones may need to have the Bluetooth® wireless technology streaming enabled, for example;**
  i.e : Menu➟Filemanager➟Music➟ Option➟Play via Bluetooth
• **Please refer to User's Guide for your cellular phone for more information. To cancel Bluetooth® wireless technology cellular phone music streaming, stop music playback on the cellular phone or change the audio mode to AM/FM, SIRIUS, CD, iPod, ect.**

■ **Phone Setup**

All Bluetooth® wireless technology related oper ations can be perf ormed in PHONE menu.

1) Push the [SETUP] button to enter SETUP mode.

2) Select "Phone" item b y rotating the [TUNE] knob, then push the knob .

3) Select desired item b y rotating the [TUNE] knob, then push the knob .

• **Pairing a phone**

Before using Bluetooth® wireless technology features, the phone m ust be paired (registered) with the audio system. Up to 5 phones can be paired with the system.

NOTE:
• **The pairing procedure of the phone varies according to each phone model. Before attempting to pair phone, please see your phone's User's Guide for instructions.**
• **Once pairing with the phone is completed, there is no need to pair with that phone again unless the phone is deleted manually from the audio system (refer "Deleting a Phone" section) or the vehicle's information is removed from the phone.**

① Press [SETUP] button to enter SETUP mode.
② Select "Phone", then "Pair" in PHONE menu.
③ The audio displa ys "Device : [Name] passkey: 0000"
④ Search and select the de vice name in your mobile phone to starting the pairing process.

NOTE:
• **If the phone is paired with two or more vehicles of the same model, some phones may not handle Bluetooth® wireless technology devices of that name correctly. In this case, you may need to change the name displayed on your phone. For example, if the vehicles' name is KMC CAR, you may need to change the name displayed on you phone from KMC_CAR to JOHNS_CAR or KMC CAR_1 to avoid ambiguity.**
  Refer to your phone User's Guide, or contact your cellular carrier or phone manufacturer for instructions.

• **Connecting a phone**
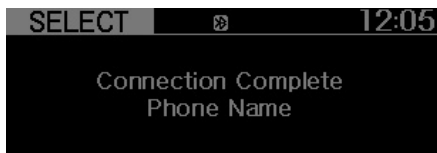When the Bluetooth® wireless technology system is enab led, the phone pre viously used is automatically selected and re-connected.If you want to select diff erent phone pre viously paired, the phone can be selected through "Select Phone" menu.
Only a selected phone can be used with the hands-free system at a time .

① Press [SETUP] button to enter SETUP mode.
② Select "Phone", then "Select" in PHONE menu.
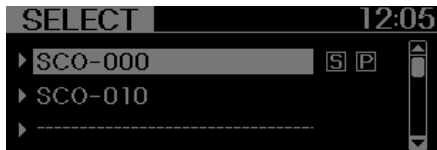
③ Select desired phone name from the list shown.
④ The Bluetooth® wireless technology wireless technology icon appears on the upper side of audio displa y when a phone is connected.


• Changing Priority
If se veral phones are paired with the audio system, the system attempts to connect f ollowing order when the Bluetooth® wireless technology system is enabled:
1) "Priority" checked phone.
2) Previously connected phone
3) Gives up auto connection.

① Press SETUP button to enter SETUP mode.

② Select "Phone", then "Priority" in PHONE menu.
③ Select desired phone name from the list shown.
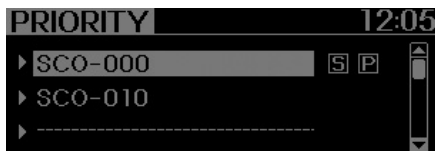
• Deleting a Phone
The paired phone can be deleted.
- When the phone is deleted, all the infor-mation associated with that phone is also deleted (including phonebook).
- If you want to use the deleted phone with the audio system again, pair ing proce-dure must be completed once more.

① Press SETUP button to enter SETUP mode.
② Select "Phone", then "Delete" in PHONE menu.
③ Select desired phone name from the list shown.

• ADVANCED Menu
After pressing the SETUP button, select the "Phone" menu. while in PHONE menu, select the "Advanced" menu to make Bluetooth® wireless technology Phone settings .(The AD VANCED menu may diff er according to audio specifica-tions.)

Incoming Volume (Bluetooth® wireless technology call volume adjustments)
While in ADVANCED menu, press "In. Vol" Use the knob k ey to set the desired v ol-ume and select the ENTER tton.

Contacts Sync (Automatic Phonebook download setting)
While in AD VANCED menu, select "Contacts" To automatically sa ve the contacts and call histor y in y our mobile phone each time y ou connect a mobile device, select ON. If you do not wish f or automatic download, select OFF.
It's not available to make a phone call by Bluetooth® wireless technology audio system while the phonebook is being downloaded.

Language of Bluetooth® wireless technology voice recognition

While in AD VANCED menu, select "Language". To change the language , select the desired language and press the `ENTER` utton.

Bluetooth® wireless technology system off

While in AD VANCED menu, select "BT Off" to tur n off the Bluetooth® wireless technology System.

■ **Voice Recognition Activation**

• The voice recognition engine contained in the Bluetooth® wireless technology System can be activ ated in the f ollowing 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 per iod of time when the Voice Recognition system has ask ed for a customer response.

• The system can recognize single digits from zero to nine while number greater than ten will not be recogniz ed.

• The system shall cancel voice recognition mode in f ollowing cases : When pressing the button and sa ying "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**

The menu tree identifies a vailable voice recognition Bluetooth® wireless technology functions.

```
Call [Name]   Ex) Call John (at Home)

Dial [Number]   Ex) Dial 911

Call ──┬── By name
       └── By number

Redial

Call Back

Phonebook ──┬── Add entry ──┬── By voice
            │               └── By phone
            ├── Change name
            └── Delete name
```
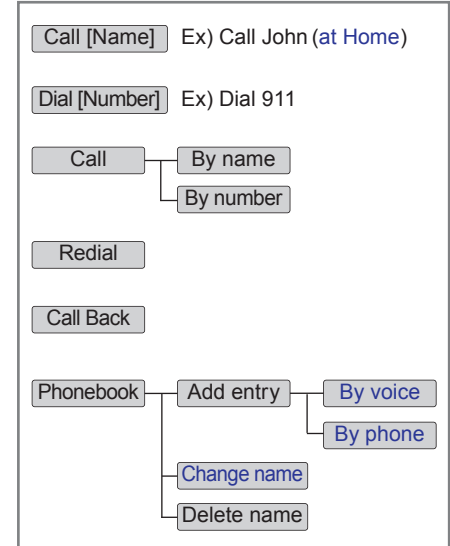
❋**Tip**

■ **Voice Operation**

To get the best performance out of the Voice Recognition System, observe the followings:

- **Keep the interior of the vehicle as quiet as possible. Close the window to eliminate surrounding noise (traffic noise, vibration sounds, etc), which may disturb recognizing the voice command correctly.**
- **Speak a command after a beep sound within 5 seconds. Otherwise the command will not be received properly.**
- **Speak in a natural voice without pausing between words.**
- **While receiving voice commands, press the [icon] button on the steering wheel remote controller to terminate guidance. Voice command will convert back to waiting mode to allow the user to say a new voice command.**

■ **Making a Phone Call**

• **Direct Calling**

① Press [icon] utton.
② Say the following command.
  - Call <John> : Connects the call to John.
  - Call <John> on <Mobile> : Connects the call to John's mobile phone number.
  - Call <John> at <Home> : Connects the call to john's home number.
  - Call <John> in <Office> : Connects the call to John's office number.

Note:

Calls can be immediately connected to contacts who name or voice tag are saved in the phonebook(or contacts).

• **Calling by Name**

A phone call can be made b y speaking names registered in the audio system.

① Press [icon] utton.
② Say "Call".
③ Say "By name" when prompted.
④ Say desired name (in Phonebook or voice tag).
⑤ Say desired location (phone n umber type). Only stored locations can be selected.
⑥ Say "Yes" to confirm and make a call.

❋**Tip**

A shortcut to each of the following functions is available:
1. Say "Call Name"

• Dialing by Number
A phone call can be made b y dialing the spoken numbers. The system can recognize single digits from z ero to nine.

① Press 🔘 utton.
② Say "Call".
③ Say "By number" when prompted.
④ Say desired phone numbers.
⑤ Say "Dial" to complete the number and make a call.

✻**Tip**
A shortcut to each of the following functions is available:
① **Say "Dial Number"**
② **Say "Dial <digit>"**

■ **Phone Book (In-Vehicle)**
• Adding entry by voice
Phone n umbers and v oice tags can be registered. Entries registered in the phone can also be tr ansferred.

① Press 🔘 utton.
② Say "Phonebook".
 - The system replies with all a vailable commands.
 - To skip the inf ormation message , press 🔘 again and then a beep is heard.
③ Say "Add Entry".
④ Say "By Voice" to proceed.
⑤ Say the name of the entr y when prompted.
⑥ Say "Yes" to confirm.
⑦ Say the phone n umber of that entr y when prompted.
⑧ Say "Store" if phone n umber input is finished.
⑨ Say a phone n umber type . "Home", "Work", "Mobile", "Other" or "Default" is available.
⑩ Say "Yes" to complete adding entr y.
⑪ Say "Yes" to store additional location for this contact, or say "Cancel" to finish the process.

✻ **NOTICE**
- **The system can recognize single digits from zero to nine. Numbers that are ten or greater cannot be recognized.**
- **You can enter each digit individually or group digits together in preferred string lengths.**
- **To speed up input, it is a good idea to group all digits into a continuous string.**
- **Recommend to enter the numbers constituted an grouping within all digit numbers to dial 995 / 734 / 0000**
- **The display corresponding to each operation appears on the screen as follows:**
  Input operation example:
  1. Say: "Nine, nine, five"
  ➡ **Display: "995"**
  2. And say: "Seven, three, four"
  ➡ **Display: "995734"**

• Adding Entry by Phone
① Press [icon] utton.
② Say "Phonebook".
③ Say "Add Entry" after prompt.
④ Say "By Phone" to proceed.
⑤ Say "Yes" to confirm.
⑥ Your phone will star t to tr ansfer phone/contact list to the audio system.
   This process ma y tak e o ver 10 min-utes depending on the phone model and number of entries
⑦ Wait till the audio displa ys "Transfer Complete" message.

• **Changing Name**
The registered names can be modified.

① Press [icon] utton.
② Say "Phonebook".
③ Say "Change Name" after prompt.
④ Say the name of the entr y (voice tag).
⑤ Say "Yes" to confirm.
⑥ Say new desired name.

• **Deleting Name**
The registered names can be deleted.

① Press [icon] utton.
② Say "Phonebook".
③ Say "Delete Name" after prompt.
④ Say the name of the entr y (voice tag).
⑤ Say "Yes" to confirm.

■ Bluetooth® Audio Speaker Adaptation
Speaker adaptation will improve perform-ance of v oice recognition system to a particular user voice.
This will deg rade the perf ormance f or other users.

• Record
① Press [icon] utton for 10sec.
② Say "Record profile".
③ Say "Yes".
④ Say the word displayed on Radio.

• Delete
① Press [icon] utton for 10sec.
② Say "Delete profile".
③ Say "Yes".

■ **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:Private 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]	-	-	-	-	-	-	-	-

MAP DATABASE HOTLINE

M & SOFT AMERICA MAP CENTER

TEL : 888-757-0010

WEBSITE : www.mapnsoft.com

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.