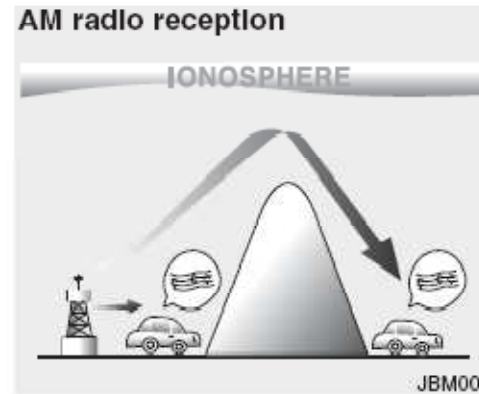


D300800AHM

How vehicle audio works

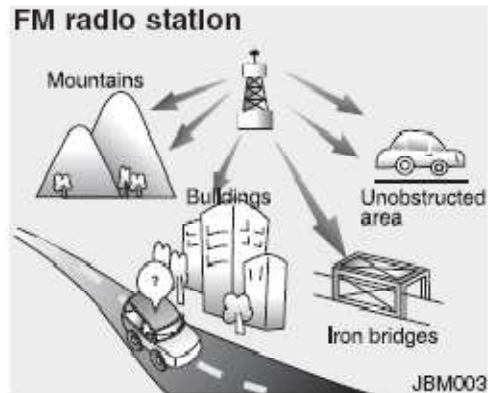
AM and FM radio signals are broadcast from transmitter towers located around your city. They are intercepted by the radio antenna on your vehicle. This signal is then received by the radio and sent to your vehicle speakers.

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.

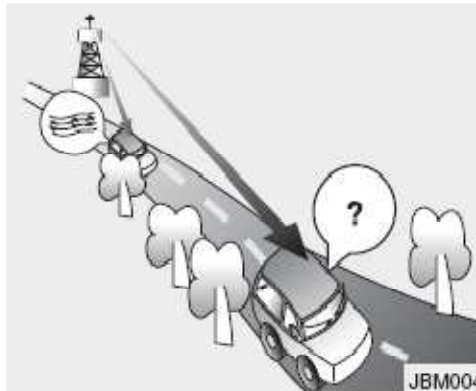


AM broadcasts can be received at greater distances than FM broadcasts. This is because AM radio waves are transmitted at low frequencies. These long, low frequency radio waves can follow the curvature of the earth rather than travelling straight out into the atmosphere. In addition, they curve around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

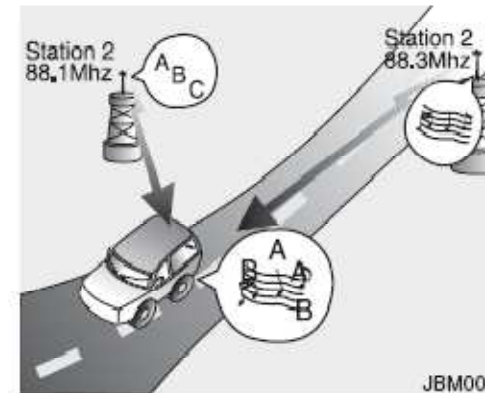
FM radio station



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:



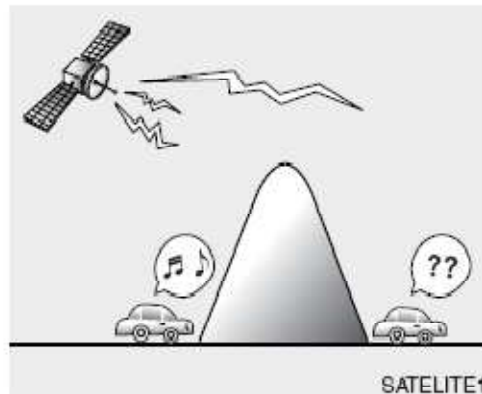
- **Fading** - As your vehicle moves away from the radio station, the signal will weaken and sound will begin to fade. When this occurs, we suggest that you select another stronger station.
- **Flutter/Static** - Weak FM signals or large obstructions between the transmitter and your radio can disturb 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.

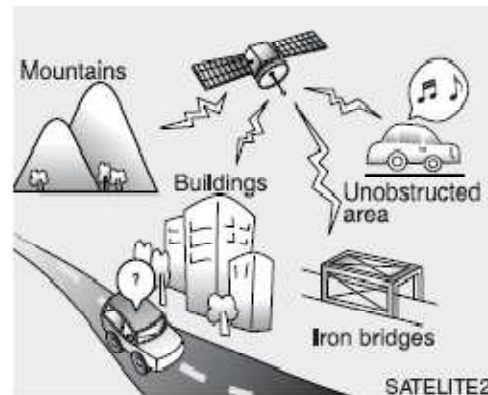
Satellite radio reception

You may experience difficulties in receiving XM™ satellite radio signals in the following situations.



- If you are driving in a tunnel or a covered parking area.
- If you are driving beneath the top level of a multi-level freeway.
- If you drive under a bridge.
- If you are driving next to a tall vehicle (such as a truck or a bus) that blocks the signal.
- If you are driving in a valley where the surrounding hills or peaks block the signal from the satellite.

- If you are driving on a mountain road where the signal is blocked by mountains.



- If you are driving in an area with tall trees that block the signal (30 ft. / 10m or more), for example on a road that goes through a dense forest.
- The signal can become weak in some areas that are not covered by the XM™ repeater network.

NOTE:

There may be other unforeseen circumstances leading to reception problems with the XM™ 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).

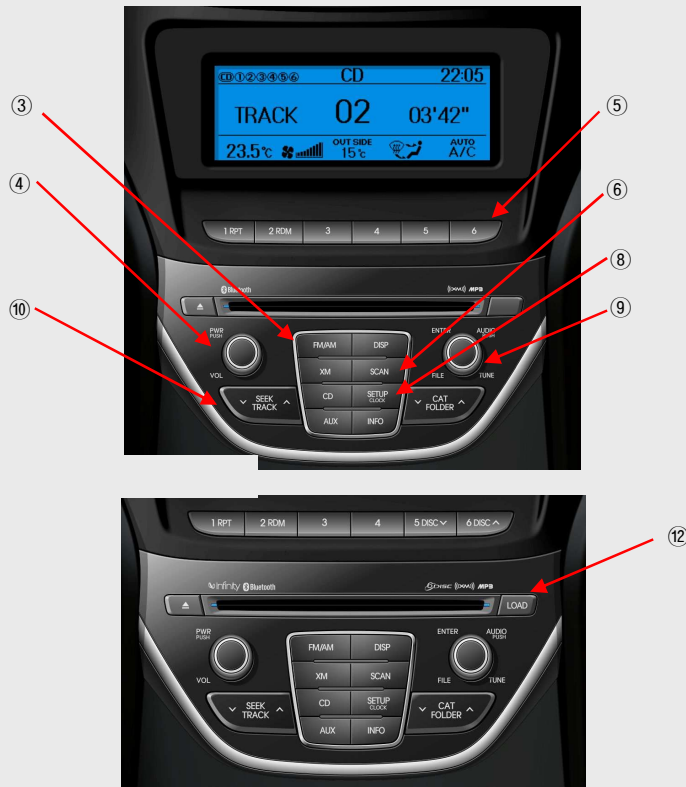
- Keep CDs in their cases after use to protect them from scratches or dirt.
- Depending on the type of CD-R/CD-RW CDs, certain CDs may not operate normally according to manufacturing companies or making and recording methods. In such circumstances, if you still continue to use those CDs, they may cause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

RADIO, SET UP, VOLUME, AUDIO CONTROL

■ CD Player : AC180DKAN,AC1B0DKAN,AC180DKKN,AC1B0DKKN / Changer : AC6B0DKN



1. AM Selection Button
2. FM Selection Button
3. FM/AM Button
4. Power ON/OFF Button & Volume Control Knob
5. Preset Button
6. SCAN Button
8. SETUP Button
9. Manual Channel Selector & Sound Quality Control Knob
10. Manual Channel Selector
11. Automatic Channel Selection Button
12. LOAD Button

*There will be no Bluetooth, ((XM)), HD Radio logo if the Bluetooth/XM SATELLITE/HD RADIO feature is not supported.

3. FM/AM Button

Turns to FM or AM mode, and toggles in the order of FM1→FM2→AM→FM1... when the button is pressed each time.

4. Power ON/OFF Button & Volume Control Knob

Turns on/off the set when the IGNITION SWITCH is on ACC or ON. If the button is turned to the right, it increases the volume and left,decreases the volume.

- Adjusts the volume of the car audio system. Rotate clockwise to increase the volume or counterclockwise to decrease.

5. Preset Button

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

6. 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 ten seconds.
- press the [SCAN] button again to stop the scan feature and to listen to the currently selected channel.

8. SETUP Button

■ CD Player : PA710BK (AC1XXDKXX)

Press this button to turn to the XM option and the other adjustment mode.

If no action is taken for 5 seconds after pressing the button, it will return to the play mode.(After entering SEPUP mode, move between items using the left, right and PUSH functions of the [TUNE] knob.)

The setup changes in the order of TEXT SCROLL→AVC→BT→XM

■ CD Changer : PA760BK (AC6XXDKXX)

In case of PA760YF, Using the [√ FOLDER ^] and [ENTER] button.

The setup Change in the order of SOUND→XM→HD RADIO→AVC→CLOCK →SCROLL→PHONE→RETURN

• SCROLL(TEXT SCROLL)

PA760BK (AC6XXDKXX)

This funtion is used to display characters longer than the LCD text display and can be turned ON/OFF through the sound quality control knob.

(For CD Changer : PA760YF, Press the [√ FOLDER ^] button.)

- AVC

This function automatically adjusts the volume level according to the speed of the vehicle and can be turned ON/OFF through the sound quality control knob. (For CD Changer : PA760YF, Press the [∨ FOLDER ^] button.)

- SOUND(CD Changer : PA760BK (AC6XXDKXX))

Pressing the [∨ FOLDER ^] button to select the sound the following order : Sound Setup, Variable EQ Select the Sound Setup and press [ENTER] the button to set.

Pressing the [ENTER] button to adjust the Sound Setup the following order : BASS, MIDDLE, TREBLE, FADER, BALANCE. Select the BASS and press the [∨ FOLDER ^] button to set.

Use the same method to adjust MIDDLE, TREBLE, FADER, BALANCE and press the button to [ENTER] complete and exit from Sound Setup adjustment mode.

- Variable EQ(CD Changer : PA760YF)

Pressing the [∨ FOLDER ^] button to Select the sound the following order : Sound Setup, Variable EQ Select the Variable EQ and press the [ENTER] button to set.

Pressing the [∨ FOLDER ^] button to select the Variable EQ the following order : Normal, Powerful, Concert Select and press the [ENTER] button to complete and exit from Variable EQ set up mode.

- XM

It will be able to change the XM display. Display by category/channel or artist/song title.

Select the XM Display through the [∨ FOLDER ^] button(for CD Player : PA710YF, Turn the control knob), and press the [ENTER] button(for CD Player : PA710YF, **press the** [TUNE] knob) to complete and exit XM setup mode.

- CLOCK(CD Changer : PA760YF)

Pressing the [∨ FOLDER ^] button to adjust the clock in the following order: CLOCK SET, TIME FORMAT, RETURN. Adjust the CLOCK SET and press [ENTER] button to set.

Use the same method to adjust TIME FORMAT and press the [ENTER] button to complete and exit and from clock adjustment mode.

9. Manual Channel Selector & Sound Quality Control Knob

- PA710BK (AC1XXDKXX)

Turn this control while listening to a radio channel to manually adjust frequency. Turn clockwise to increase frequency and counterclockwise to reduce frequency. 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 counterclockwise, left speaker sound will be emphasized(right speaker sound will be attenuated).

10. Manual Channel Selector

■ **CD Player** : PA710BK (AC1XXDKXX)

Press the [√ FOLDER ^] button while listening to a radio channel to manually adjust frequency.

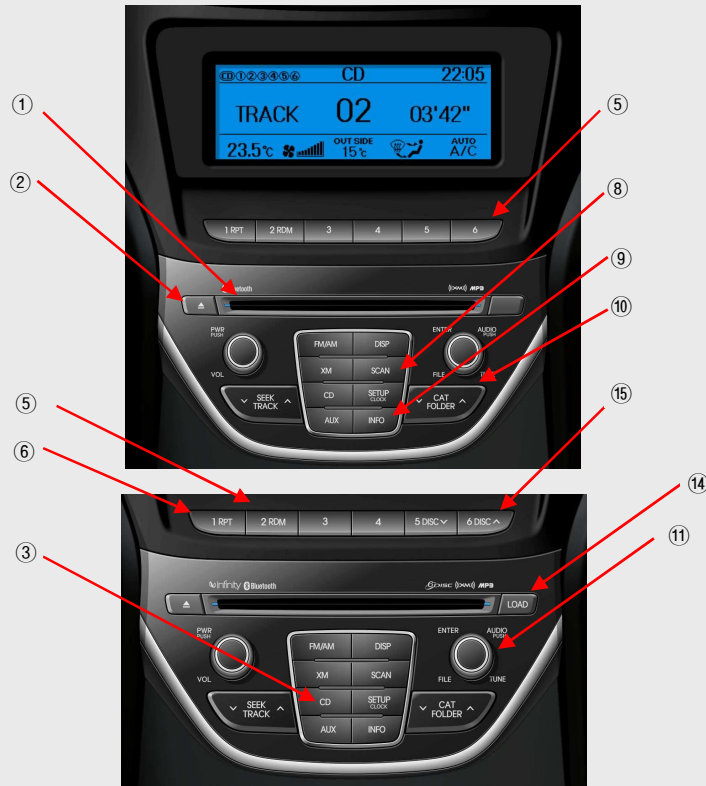
11. Automatic Channel Selection Button

■ **CD Changer** : PA760BK (AC6XXDKXX)

- When the [SEEK ^] button is pressed, it increases the band frequency to automatically select channel. Stops at the previous frequency if no channel is found.
- When the [TRACK √] button is pressed, it reduces the band frequency to automatically select channel. Stops at the previous frequency if no channel is found.

CD

■ CD Player : AC180DKAN,AC1B0DKAN,AC180DKKN,AC1B0DKKN / Changer : AC6B0DKN



- 1. CD Loading Slot
- 2. CD Eject Button
- 3. CD Selection Button
- 4. Automatic Track Selection Button
- 5. RANDOM Play Button
- 6. REPEAT Button
- 8. SCAN Play Button
- 9. INFO Button
- 10. Folder Moving Button
- 11. Search/ENTER Button
- 14. CD LOAD Button
- 15. DISC Selection Buttons

*There will be no Bluetooth, ((XM)), HD Radio logo if the Bluetooth/XM SATELLITE/HD RADIO feature is not supported.

1. CD Loading Slot

Insert CD with printed side upward and gently push in. When the ignition switch is on ACC or ON and power is off, power is automatically turned on if the CD is loaded. This CDP supports only 12cm CD. If VCD, Data CD are loaded, "Reading Error" message will appear and CD will be ejected.

2. CD Eject Button

Push ▲ button for less than 0.8 seconds to eject the CD during CD playback. This button is enabled when ignition switch is off.

- ALL EJECT(CD Changer : PA760YF)
Press this button for more than 0.8 seconds to eject all discs inside the deck in respective order.

3. CD Selection Button

If the CD is loaded, turns to CD mode. If no CD, it displays "NO Disc" (for CD Player : PA710YF displays "NO Media") for 3 seconds and returns to th previous mode.

4. Automatic Track Selection Button

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

5. RANDOM Play Button

Press this button for less than 0.8 second 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.

6. REPEAT Button

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

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

7. CD Indicator Icon

(CD Player : PA710DK (AC1XXDKXX))

When car ignition switch is ACC or ON and if the CD is loaded, this indicator Icon is on. If the CD is ejected the Icon is off.

8. SCAN Play Button

Plays first 10 seconds of each song in the DISC. To cancel the mode, press the button once again.

9. INFO 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...

- MP3/WMA : FILE NAME→TITLE→ARTIST→ALBUM→FOLDER→TOTAL FILE... (not displayed if the information is not available on the DISC.)

10. Folder Moving Button

Press the [FOLDER ∨] button to move to child folder of the current folder and displays the first song in the folder.

Press TUNE/ENTER Knob(for CD Changer : PA760YF, Press [ENTER] button) to move to the folder played. It will play the first song in the folder.

Press the [FOLDER ^] button to move to parent folder of the current folder and displays the first song in the folder.

Press TUNE/ENTER knob(for CD Changer : PA760YF, Press [ENTER] button) to move the folder displayed.

11. Search/ENTER Button

Turn this button clockwise to display the songs next to the currently played song. Turn the button counterclockwise to display the songs before the current played song. Press the button to skip and play the selected song.

12. Search Button

Press the [TUNE ^] button to display the songs next to the currently played song.

Press the [∨ TUNE] button to display the songs before to the currently played song.

13. ENTER Button

Press the [ENTER] button to play the selected song.

14. CD LOAD Button

Push [LOAD] button to load CDs to available CDC deck (from 1~6). Push [LOAD] button for more than 2 seconds to load into all available decks. The last CD will play. 10 seconds idle status will disable loading process.

15. DISC Selection Buttons

- [DISC ∨] Change Button Changes disc to the previous disc.
- [DISC ^] Change Button Changes disc to the next disc.

 **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.

(Continued)

(Continued)

- 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.

(Continued)

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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, XM 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.
- 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.

(Continued)

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

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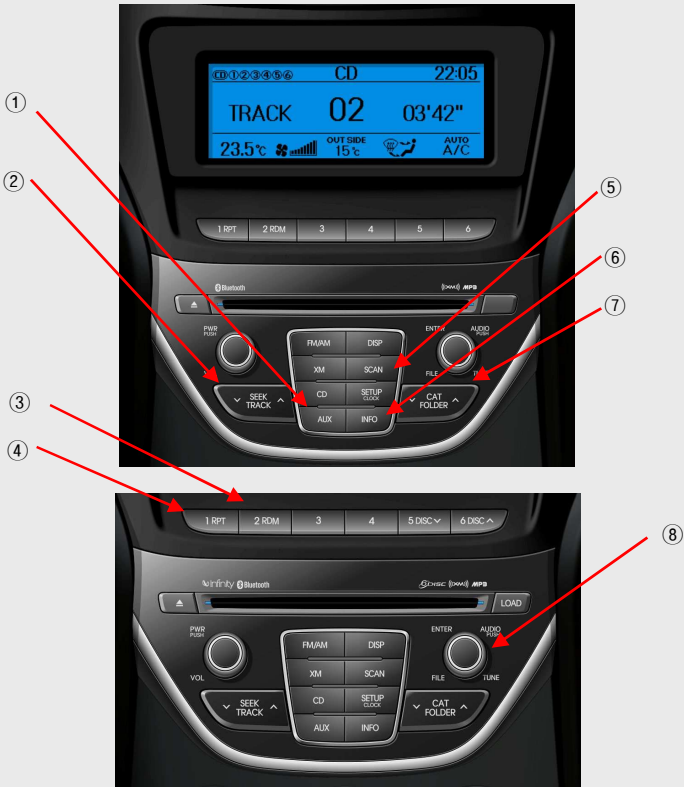
- *Please avoid using USB memory products which can be used as key chains or cellular phone accessories as they could cause damage to the USB Jack. Please make certain only to use plug type connector products as shown below.*



Features of your vehicle

USING USB

■ CD Player : AC180DKAN,AC1B0DKAN,AC180DKKN,AC1B0DKKN / Changer : AC6B0DKN



- 1. USB Selection Button
- 2. Track Moving Button
- 3. RANDOM Playback Button
- 4. REPEAT Button
- 5. SCAN Selection Button
- 6. INFO Selection Button
- 7. Folder Moving Button
- 8. Search/ENTER Button

*There will be no Bluetooth, ((XM)), HD Radio logo if the Bluetooth/XM SATELLITE/HD RADIO feature is not supported.

1. USB Selection Button

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

If a CD or auxiliary device is connected, it displays "NO Media" for 3 seconds and returns to the previous mode.

2. Track Moving Button

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

3. RANDOM Playback Button

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

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

4. REPEAT Button

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

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

5. SCAN Selection Button

Plays 10 seconds of each song in the USB device. Press the button once again to cancel scanning.

6. INFO Selection 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.)

7. Folder Moving Button

- Press the [FOLDER ∨] button to move to child folder of the current folder and displays the first song in the folder. Press TUNE/ ENTER knob (for PA760YF, Press [ENTER] button) to move to the folder It will play the first song in the folder.
- Press the [FOLDER ^] button to move to parent folder and displays the first song in the folder. Press TUNE/ENTER knob (for PA760YF, press [ENTER] button) to move to the folder displayed.

8. Search/ENTER Button

Turn this button clockwise to display the songs next to the currently played song. Turn the button counterclockwise to display the songs before the currently played song. Press the button to skip and play the selected song.

9. Search Button

Press the [TUNE ^] button to display the songs next to the currently played song. Press the [∨ TUNE] button to display the songs before to the currently played song.

10. ENTER Button

Press the [ENTER] button to play the selected song.

*** 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® interface. The device must have audio Bluetooth® capability (such as for stereo headphone Bluetooth®). The device can play, but it will not be controlled by the audio system.

⚠ CAUTION IN USING THE iPod® DEVICE

- *The Hyundai 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 Hyundai vehicles.*
- ** The Hyundai iPod Power Cable may be purchased through your Hyundai 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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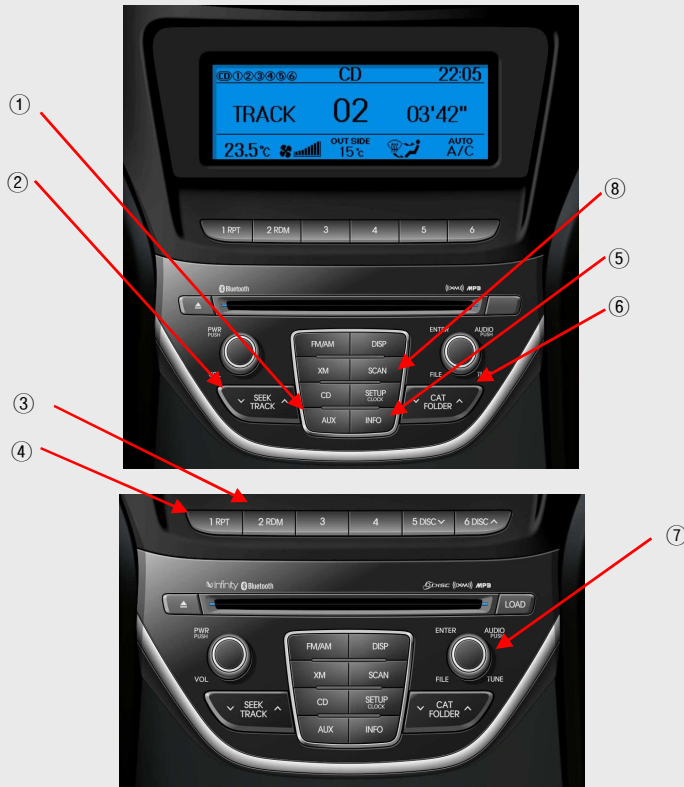
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- *When the iPod cable is connected, the system can be switched to AUX mode even without iPod device and may cause noise. Disconnect the iPod cable when you are not using the iPod device.*
- *When not using iPod with car audio, detach the iPod cable from iPod. Otherwise, iPod may remain in accessory mode, and may not work properly.*

RUNNING iPod®

iPod® is a trademark of Apple Inc.

■ CD Player AC180DKAN,AC1B0DKAN,AC180DKKN,AC1B0DKKN / Changer : AC6B0DKN



1. iPod Selection Button
2. Track Moving Button
3. RANDOM Playback Button
4. REPEAT Button
5. INFO Selection Button
6. Category Selection Button
7. Search/ENTER Button

*There will be no Bluetooth, ((XM)), HD Radio logo if the Bluetooth/XM SATELLITE/HD RADIO feature is not supported.

1. iPod Selection Button

If an iPod is connected, the system switches to the iPod mode from the previous to play the song files stored in iPod. If no CD and auxiliary device is connected, the system displays "NO Media" for 3 seconds and returns to the previous mode.

2. Track Moving Button

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

3. RANDOM Playback Button

Press the button for less than 0.8 second to activate or deactivate the random playback of the songs within the current category. Press the button for longer than 0.8 second to randomly play all songs in the entire album of iPod. Press the button once again to cancel the mode.

4. REPEAT Button

Repeats the song currently played.

5. INFO Selection 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.)

6. Category Selection Button

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

To move to (play) the category (song) displayed, MENU (preset6) You will be able to search through the lower category of the selected category.

The order of iPod's category is SONG, ALBUMS ARTISTS, GENRES, and iPod.

7. Search/ENTER Button

When you turn the button clockwise, it will display the songs(category) next to the song currently played(category in the same level). Also, when you turn the button counterclockwise, it will display the songs(category) before the song currently played (category in the same level).

If you want to listen to the song displayed in the song category, press the button, then it will skip to the selected song and play.

8. Search Button

Press the [TUNE ∧] button to display the songs(category) next to the song currently played (category in the same level)

Press the [∨ TUNE] button to display the songs(category) before to the song currently played(category in the same level)

9. ENTER Button

Press the [ENTER] button to play the selected song.

XM SATELLITE RADIO

■ CD Player : AC180DKAN,AC1B0DKAN,AC180DKKN,AC1B0DKKN / Changer : AC6B0DKN



- 1. XM Selection Button
- 2. INFO Button
- 3. Automatic Channel Selection Button
- 4. SCAN Button
- 5. CATEGORY Search Button
- 6. Manual Channel Selection Button
- 7. Preset Button



*There will be no Bluetooth, ((XM)), HD Radio logo if the Bluetooth/XM SATELLITE/HD RADIO feature is not supported.

Using XM satellite Radio

Your vehicle is equipped with 3 months complimentary period of XM Satellite Radio. XM provides access to over 130 channels of music, information, and entertainment programming.

1. XM Selection Button

Turns to XM Satellite Radio Mode. XM mode toggles in order to XM1→XM2→XM3→XM1... when the button is pressed each time.

2. INFO Button

Displays the information of the current channel in the order of Artist/Song title→Category/Channel name→Current Play Channel→Artist/Song title→Category/Channel name... when the button is pressed each time. The complete text information is not displayed, rotate the tune button to see the next page.

3. Automatic Channel Selection Button

- Push [TRACK ∨] button for less than 0.8 second to select previous channel.
- Push [TRACK ∨] button for 0.8 second or longer to continuously move to previous channel.

- Push [SEEK ^] button for less than 0.8 second to select next channel.
- Push [SEEK ^] button for 0.8 second or longer to continuously move to next channel.
- Radio ID : Seek or Tune to XM channel 0 to display the Radio ID.

4. SCAN Button

Press to hear a brief sampling of all channel. To cancel the scan mode, press the button once again.

5. CATEGORY Search Button

- Push [FOLDER ∨] button to search previous category.
- Push [CAT ^] button to search next category. To listen to the displayed category, press the TUNE/SETUP button (for PA760YF, press [ENTER] button). To scan channel in displayed category, press the scan button. To search channel in displayed category, press seek buttons or turn the tune button clockwise/counterclockwise (for PA760YF, press [∨ TUNE ^]). (CATEGORY icon is will be turned on in Category mode)

6. Manual Channel Selection Button

■ CD Player : PA710YF

While listening to XM broadcast, rotate this control to the right or left to search other channels while listening to current channel. (Turn to the right to search higher channels and left, lower channels)

■ CD Changer : PA760YF




In case of PA760YF, press the [TUNE ^] button to search higher channels and the [∨ TUNE] button, lower channels.

7. Preset Button

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

BLUETOOTH® PHONE OPERATION (If equipped)



1.  button : Activates voice recognition.
2.  button : Places and transfers calls.
3.  button : Ends calls or cancels functions.

■ What Is Bluetooth®?

Bluetooth® is a wireless technology that allows multiple devices to be connected in a short range, low-powered devices like hands-free, stereo headset, wireless remote, etc. For more information, visit the Bluetooth® website at www.Bluetooth.com

■ General Features



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

* NOTICE

- The phone must be paired to the system before using Bluetooth® 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® word mark and logos are registered trademarks owned by Bluetooth® SIG, Inc. and any use of such marks by Hyundai is under license. A Bluetooth enabled cell phone is required to use Bluetooth® wireless technology.


■ Bluetooth® Language Setting

The system language can be changed by the following steps:

1. Power on the audio system with the volume set to an audible level.
2. Press and hold  button on the steering wheel until the audio displays "Please Wait".
 - The Bluetooth® system will reply in currently selected language that it is changing to the next language.
 - System language cycles between English, Canadian French and US Spanish.
 - Press and hold the  button on the steering wheel for over 10 seconds.
3. When completed, the audio display returns to normal.
4. Repeat steps 2 and 3 for the next language selection.

NOTE:

The phone needs to be paired again after changing system language.


- Avoid resting your thumb or finger on the  button as the language could unintentionally change.

■ Receiving a Phone Call


When receiving a phone call, a ringtone is audible from speakers and the audio system changes into telephone mode.

When receiving a phone call, "Incoming call" message and incoming phone number (if available) are displayed on the audio.

- To Answer a Call:

- Press  button on the steering wheel.


- To Reject a Call:

- Press  button on the steering wheel.

- To Adjust Ring Volume:

- Use VOLUME buttons on the steering wheel.


- To Transfer a Call to the Phone (Secret Call):

- Press and hold  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 party'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® 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® Audio Music Streaming

The audio system supports Bluetooth® A2DP (Audio Advanced Distribution Profile) and AVRCP (Audio Video Remote Control Profile) technologies.

Both profiles provide streaming of music via compatible "PAIRED" Bluetooth® Cellular phone.

To stream music from the Bluetooth® cellular phone, play your music files on your cellular phone according to your cellular phone user's manual and press the ,  button on the audio system until "MP3 play" is displayed on the LCD.

The audio system head unit displays '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® compatible cellular phones must include A2DP and AVRCP capabilities.
- Some A2DP and AVRCP compatible Bluetooth® cellular phones may not play music through the audio system initially. These cellular phones may need to have the Bluetooth® 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® cellular phone music streaming, stop music playback on the cellular phone or change the audio mode to AM/FM, XM, CD, iPod, ect.

■ Phone Setup

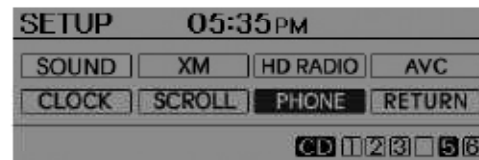
All Bluetooth® related operations can be performed in PHONE menu.

- 1) Push the **SETUP** button to enter SETUP mode.
- 2) Select "BT(PA710YF)/PHONE(PA760YF)" item by rotating the **TUNE** knob, then push the knob.(for PA760YF, **VOL** knob, then push the **ENTER** button)

■ CD Player : PA710BK

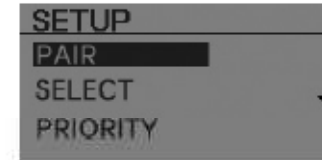


■ CD Changer : PA760BK



- 3) Select desired item by rotating the **TUNE** knob, then push the knob. (for PA760YF, **VOL** knob, then push the **ENTER** button)

■ CD Player : PA710BK



■ CD Changer : PA760BK



• Pairing a phone

Before using Bluetooth® features, the phone must 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 **BT(PA710DBK/PHONE(PA70DK)** then "PAIR" in PHONE menu.
- ③ The audio displays "Device : [Name] passkey: 0000"
- ④ Search and select the device 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® 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 **HMC CAR**, you may need to change the name displayed on you phone from **HMC_CAR** to **JOHNS_CAR** or **HMC_CAR_1** to avoid ambiguity. Refer to your phone User's Guide, or contact your cellular carrier or phone manufacturer for instructions.

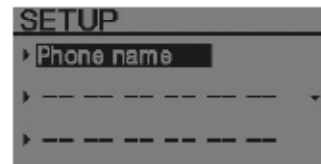
• **Connecting a phone**

When the Bluetooth® system is enabled, the phone previously used is automatically selected and re-connected. If you want to select different phone previously 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 **BT(PA710DBK/PHONE(PA70DK)** then "SELECT" in PHONE menu.

■ CD Player : PA710BK



■ CD Changer : PA760BK



- ③ Select desired phone name from the list shown.

- ④ The Bluetooth® icon appears on the upper side of audio display when a phone is connected.

■ CD Player : PA710BK



■ CD Changer : |PA760BK



• **Changing Priority**

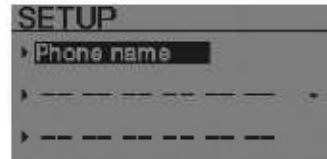
If several phones are paired with the audio system, the system attempts to connect following order when the Bluetooth® system is enabled:

- 1) "Priority" checked phone.
- 2) Previously connected phone
- 3) Gives up auto connection.

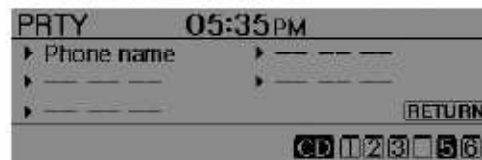
- ① Press **SETUP** button to enter SETUP mode.
- ② Select **BT(PA710DBK/PHONE(PA70DK)** then "PRIORITY" in PHONE menu.

③ Select desired phone name from the list shown.

■ CD Player : PA710DK (AC1XXDKXX)



■ CD Changer : PA760DK (AC6XXDKXX)



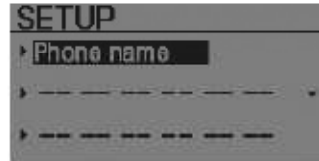
• **Deleting a Phone**

The paired phone can be deleted.

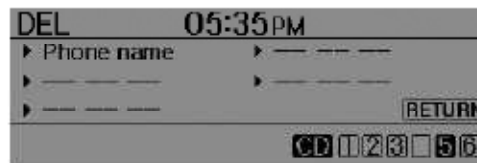
- When the phone is deleted, all the information associated with that phone is also deleted (including phonebook).
- If you want to use the deleted phone with the audio system again, pairing procedure must be completed once more.

- ① Press **SETUP** button to enter SETUP mode.
- ② Select BT(PA710DK)/PHONE(PA760DK) then "DELETE" in PHONE menu.
- ③ Select desired phone name from the list shown.

■ CD Player : PA710DK (AC1XXDKXX)



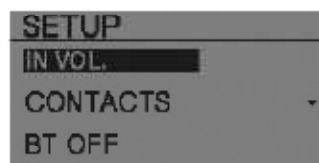
■ CD Changer : PA760DK (AC6XXDKXX)



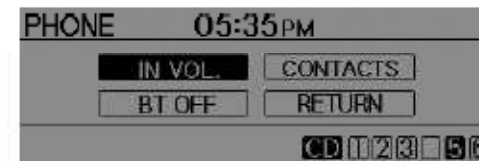
• **ADVANCED Menu**

After pressing the **SETUP** button, select the "PHONE" menu. while in PHONE menu, select the "ADVANCED" menu to make Bluetooth® Phone settings.(The ADVANCED menu may differ according to audio specifications.)

■ CD Player : PA710DK (AC1XXDKXX)



■ CD Changer : PA760DK (AC6XXDKXX)



Incoming Volume (Bluetooth® call volume adjustments)

While in **ADVANCED** menu, select "IN VOL." Use the knob key to set the desired volume and press the **ENTER** button.

Contacts Sync (Automatic Phonebook download setting)

While in **ADVANCED** menu, select "CONTACTS" To automatically save the contacts and call history in your mobile phone each time you connect a mobile device, select ON. If you do not wish for automatic download, select OFF.

It's not available to make a phone call by bluetooth audio system while the phonebook is being downloaded.

Bluetooth® system off

While in **ADVANCED** menu, select "BT OFF" to turn off the Bluetooth® 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.

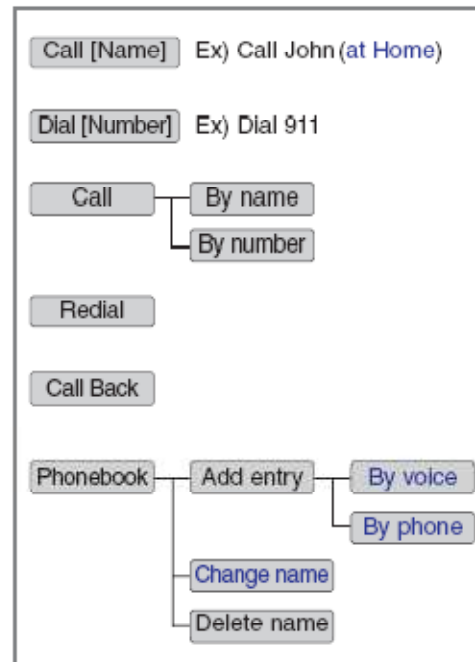
- Active Listening

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.
- 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**


The menu tree identifies available voice recognition Bluetooth® functions.



* **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  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  button.
- 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 whose name or voice tag are saved in the phonebook (or contacts).

• Calling by Name

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

- ① Press  button.
- ② Say "Call".
- ③ Say "By name" when prompted.
- ④ Say desired name (in Phonebook or voice tag).
- ⑤ Say desired location (phone number 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 by dialing the spoken numbers. The system can recognize single digits from zero to nine.

- ① Press  button.
- 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 numbers and voice tags can be registered. Entries registered in the phone can also be transferred.

- ① Press  button.
- ② Say "Phonebook".
 - The system replies with all available commands.
 - To skip the information 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 entry when prompted.
- ⑥ Say "Yes" to confirm.
- ⑦ Say the phone number of that entry when prompted.
- ⑧ Say "Store" if phone number input is finished.
- ⑨ Say a phone number type. "Home", "Work", "Mobile", "Other" or "Default" is available.
- ⑩ Say "Yes" to complete adding entry.
- 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  button.
- ② Say "Phonebook".
- ③ Say "Add Entry" after prompt.
- ④ Say "By Phone" to proceed.
- ⑤ Say "Yes" to confirm.
- ⑥ Your phone will start to transfer phone/contact list to the audio system. This process may take over 10 minutes depending on the phone model and number of entries
- ⑦ Wait till the audio displays "Transfer Complete" message.


• Changing Name

The registered names can be modified.

- ① Press  button.
- ② Say "Phonebook".
- ③ Say "Change Name" after prompt.
- ④ Say the name of the entry (voice tag).
- ⑤ Say "Yes" to confirm.
- ⑥ Say new desired name.

• Deleting Name

The registered names can be deleted.

- ① Press  button.
- ② Say "Phonebook".
- ③ Say "Delete Name" after prompt.
- ④ Say the name of the entry (voice tag).
- ⑤ Say "Yes" to confirm.

■ Bluetooth® Audio Speaker Adaptation

Speaker adaptation will improve performance of voice recognition system to a particular user voice.

This will degrade the performance for other users.




• Record

- ① Press  button for 10sec.
- ② Say "Record profile".
- ③ Say "Yes".
- ④ Say the word displayed on Radio.

• Delete

- ① Press  button 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: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	-	-	-	-

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.

IC Warning

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

APPENDIX