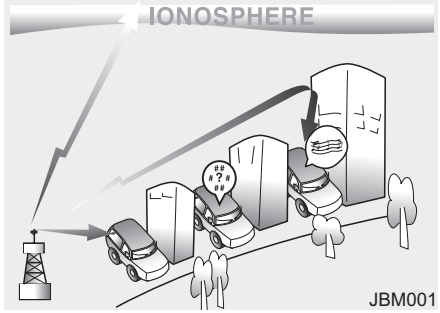
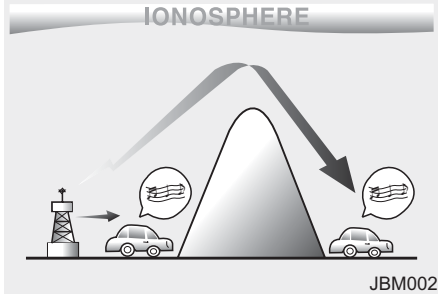
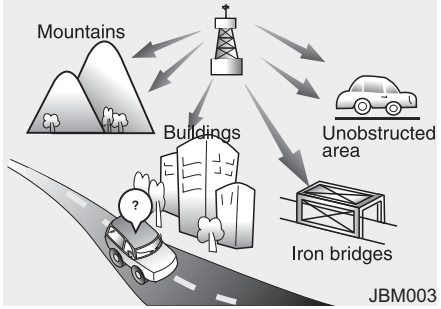
FM reception



AM reception



FM radio station



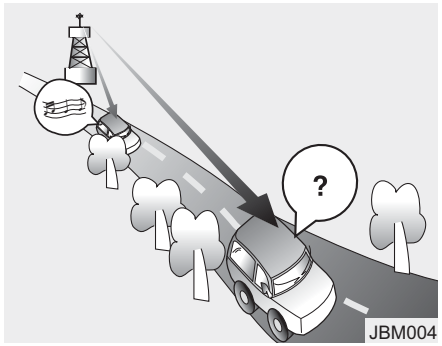
How vehicle audio works

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.

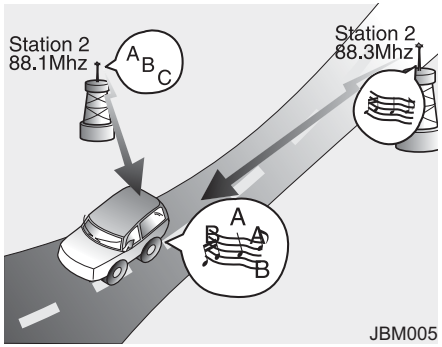
When a strong radio signal has reached your vehicle, the precise engineering of your audio system ensures the best possible quality reproduction. However, in some cases the signal coming to your vehicle may not be strong and clear. This can be due to factors, such as the distance from the radio station, 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 broadcasts are transmitted at high frequencies and do not bend to follow the earth's surface. Because of this, FM broadcasts generally begin to fade at short distances from the station. Also, FM signals are easily affected by buildings, mountains, or other obstructions. These can result in certain listening conditions which might lead you to believe a problem exists with your radio. The following conditions are normal and do not indicate radio trouble:



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



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

Using a cellular phone or a two-way radio

When a cellular phone is used inside the vehicle, noise may be produced from the audio system. 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 as 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.

⚠ WARNING

- *Do not stare at the screen while driving. Staring at the screen for prolonged periods of time could lead to traffic accidents.*
- *Do not disassemble, assemble, or modify the audio system. Such acts could result in accidents, fire, or electric shock.*
- *Using the phone while driving may lead to a lack of attention of traffic conditions and increase the likelihood of accidents.*
  Use the phone feature after parking the vehicle.
- *Heed caution not to spill water or introduce foreign objects into the device. Such acts could lead to smoke, fire, or product malfunction.*
- *Please refrain from use if the screen is blank or no sound can be heard as these signs may indicate product malfunction.*
  Continued use in such conditions could lead to accidents(fires, electric shock) or product malfunctions.

(Continued)

(Continued)

- *Do not touch the antenna during thunder or lightening as such acts may lead to lightning induced electric shock.*
- *Do not stop or park in parking-restricted areas to operate the product. Such acts could lead to traffic accidents.*
- *Use the system with the vehicle ignition turned on. Prolonged use with the ignition turned off could result in battery discharge.*

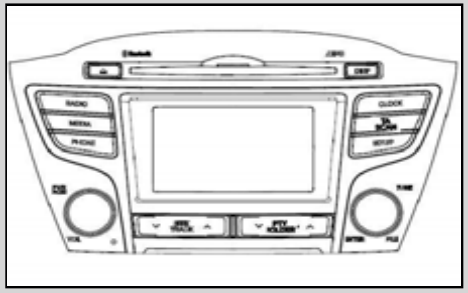
⚠ CAUTION

- *Operating the device while driving could lead to accidents due to a lack of attention to external surroundings. First park the vehicle before operating the device.*
- *Adjust the volume to levels that allow the driver to hear sounds from outside of the vehicle. Driving in a state where external sounds cannot be heard may lead to accidents.*
- *Pay attention to the volume setting when turning the device on. A sudden output of extreme volume upon turning the device on could lead to hearing impairment. (Adjust the volume to a suitable levels before turning off the device.)*
- *If you want to change the position of device installation, please inquire with your place of purchase or service maintenance center. Technical expertise is required to install or disassemble the device.*

(Continued)

(Continued)

- *Turn on the car ignition before using this device. Do not operate the audio system for long periods of time with the ignition turned off as such operations may lead to battery discharge.*
- *Do not subject the device to severe shock or impact. Direct pressure onto the front side of the monitor may cause damage to the LCD or touch screen.*
- *When cleaning the device, make sure to turn off the device and use a dry and smooth cloth. Never use tough materials, chemical cloths, or solvents (alcohol, benzene, thinners, etc.) as such materials may damage the device panel or cause color/quality deterioration*
- *Do not place beverages close to the audio system. Spilling beverages may lead to system malfunction.*
- *In case of product malfunction, please contact your place of purchase or After Service center.*
- *Placing the audio system within an electromagnetic environment may result in noise interference.*


RADIO
MEDIA
PHONE
CLOCK
SETUP
TUNE
ENTER

SYSTEM CONTROLLERS AND FUNCTIONS

❉ Display and settings may differ depending on the selected audio.

Audio Head Unit

(for RDS, *Bluetooth®* Wireless Technology equipped model)

1. ▲ (EJECT)
• Ejects the disc.

2. RADIO
• Converts to Radio(FM/AM) mode.
• Each time the key is pressed,the mode is changed in order of FM1 ➟ FM2 ➟ FMA ➟ AM ➟ AMA.

3. MEDIA
• Start Media mode
• Each time the key is pressed, the mode is changed in order of CD, USB(iPod) AUX, My Music, BT Audio.

4. PHONE (for *Bluetooth®* Wireless Technology equipped model)
• Converts to Phone mode
❉ When a phone is not connected, the connection screen is displayed.

5. PWR/VOL knob
• ◎ Power : Press to turn power on/off.
• ◎ Volume : Turn left/right to control volume.

6. SEEK TRACK
• When pressed shortly(under 0.8 seconds)
- Radio mode : plays previous/next frequency.
- Media (CD/USB/iPod/My Music) modes : changes the track, Song(file)
• When pressed and held (0.8 seconds)
- Radio mode : continuously changes the frequency. Upon release, plays the current frequency.
- Media(CD/USB/iPod/My Music) modes : rewinds or fast forwards the track or file
- During a Handsfree call, controls the call volume.

7. PTY FOLDER
• RDS Radio mode : searches RDS program types.
• CD/USB/MP3 modes : searches folders.

8.
• Turns the monitor display on/off.

9. CLOCK
Displays the time/date/day.

10. TA/SCAN
• Radio Mode :
- Short key : TA On/Off
- Long key : previews all receivable broadcasts for 5 seconds each.
• Media (CD/USB/iPod/My Music) modes : previews each song (file) for 10 seconds each.

11. SETUP
Converts to Setup mode.

12. TUNE knob
• Radio mode : turn to change broadcast frequencies.
• Media (CD/USB/iPod/My Music) modes : turn to search tracks/channels/files.

13. DISC-IN LED

• LED that indicates whether a disc is inserted.

14. RESET
• Forced system termination and system restart.

Audio Head Unit

15. FM
- Changes to FM mode.
- Each time the key is pressed, the mode changed in order of FM1 ➟ FM2 ➟ FMA.

16. AM
- Changes to AM mode.
- Each time the key is pressed, the mode changed in order of AM ➟ AMA.

17. MEDIA
- Start Media mode
- Each time the key is pressed, the mode is changed in order of CD, USB(iPod), AUX, My Music.

SYSTEM CONTROLLERS AND FUNCTIONS

❈ Display and settings may differ depending on the selected audio.

Audio Head Unit

(for *Bluetooth*® Wireless Technology equipped model)

1. ▲ (EJECT)
• Ejects the disc.

2. RADIO
• Converts to Radio(FM/AM) mode.
• Each time the key is pressed,the mode is changed in order of FM1➟FM2➟AM.

3. MEDIA
• Start Media mode
• Each time the key is pressed, the mode is changed in order of CD, USB(iPod) AUX, My Music, BT Audio.

4. PHONE (for *Bluetooth*® Wireless Technology equipped model)
• Converts to Phone mode
❈ When a phone is not connected, the connection screen is displayed.

5. PWR/VOL knob
• ◎ Power : Press to turn power on/off.
• ◎ Volume : Turn left/right to control volume.

6. SEEK TRACK
• When pressed shortly(under 0.8 seconds)
- Radio mode : plays previous/next frequency.
- Media (CD/USB/iPod/My Music) modes : changes the track, Song(file)
• When pressed and held (0.8 seconds)
- Radio mode : continuously changes the frequency. Upon release, plays the current frequency.
- Media(CD/USB/iPod/My Music) modes : rewinds or fast forwards the track or file
- During a Handsfree call, controls the call volume.

7. FOLDER
• CD/USB/MP3 modes : searches folders.

8. DISP
• Turns the monitor display on/off.

9. CLOCK
Displays the time/date/day.

10. SCAN
• Radio Mode : previews all receivable broadcasts for 5 seconds each
• Media (CD/USB/iPod/My Music) modes : previews each song (file) for 10 seconds each.

11. SETUP
Converts to Setup mode.

12. TUNE knob
• Radio mode : turn to change broadcast frequencies.
• Media (CD/USB/iPod/My Music) modes : turn to search tracks/channels/files.

13. DISC-IN LED

• LED that indicates whether a disc is inserted.

14. RESET
• Forced system termination and system restart.

Audio Head Unit

15. FM
• Converts to FM mode.
• Each time the key is pressed, the mode changed in order of FM1 ➟ FM2.

16. AM
• Converts to AM mode.

17. MEDIA
• Start Media mode
• Each time the key is pressed, the mode is changed in order of CD, USB(iPod), AUX, My Music.

Steering remote controller

1. VOLUME
• Used to control volume.

2. MUTE
• Mutes audio volume.

3. SEEK
• When pressed shortly (under 0.8 seconds)
- Radio mode : searches broadcast frequencies saved to presets.
- Media(CD/USB/iPod/My Music/BT Audio) modes : changes the track, file or chapter.
• When pressed and held (over 0.8 seconds)
- Radio mode, automatically searches broadcast frequencies and channels
- Media(CD/USB/iPod/My Music) modes, rewinds or fast forwards the track or song(file)
- BT Audio mode may not be supported in some mobile phones.

4. MODE
• Each time this key is pressed, the mode is changed in order of FM1➟FM2 ➟FMA➟ AM➟AMA➟USB or iPod➟AUX ➟My Music➟BT Audio
• If the media is not connected or a disc is not inserted, corresponding modes will be disabled.

5. (if equipped)
• When pressed shortly (under 0.8 seconds)
- Starts voice recognition
- When selecting during a voice prompt, stops the prompt and converts to voice command waiting state
• When pressed and held (over 0.8 seconds)
- Ends voice recognition

6.
• When pressed shortly (under 0.8 seconds)
- When pressed in the phone screen, displays call history screen
- When pressed in the dial screen, makes a call
- When pressed in the incoming call screen, answers the call
- When pressed during call waiting, switches to waiting call (Call Waiting)
• When pressed and held (over 0.8 seconds)
- When pressed in the *Bluetooth®* Wireless Technology Handsfree wait mode, redials the last call
- When pressed during a *Bluetooth®* Wireless Technology Handsfree call, switches call back to mobile phone (Private)
- When pressed while calling on the mobile phone, switches call back to *Bluetooth®* Wireless Technology Handsfree (Operates only when *Bluetooth®* Wireless Technology Handsfree is connected)

7.
• Ends phone call

RADIO MODE (for RDS model)
-AM904DMEE, AM914DMEE

Basic Mode Screen

1. Mode Display
Displays currently operating mode

2. Frequency
Displays the current frequency

3. Preset
Displays current preset number [1] ~ [6]

4. Preset Display
Displays saved presets

5. Autostore
Automatically saves frequencies with superior reception to Preset buttons

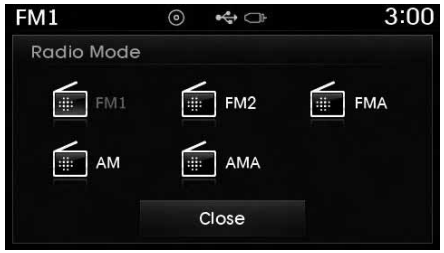
6. RDS Menu
Displays the RDS Menu

7. RDS Info
Displays RDS broadcast information

Switching to Radio Mode

Pressing the RADIO key will change the operating mode in order of FM1 ➟FM2➟FMA➟AM➟AMA.

Pressing the FM or AM key to change the operating mode in order of FM1➟FM2➟FMA and AM➟AMA.



If [Pop-up Mode] is turned on within SETUP ▶[Display], then pressing the RADIO key will display the Radio Pop-up Mode screen.

Turn the TUNE knob to move the focus. Press the knob to select.

Searching Radio Frequencies

Using Seek

Press the SEEK TRACK key to play the previous/next frequency.

Using TUNE

Turn the TUNE knob to select the desired frequency.

- FM : Increases/decreased by 50kHz
- AM : Increases/decreased by 9kHz

Using Radio Mode

Selecting /Saving Presets

Press the 1 ~ 6 buttons to play the desired preset.

Press the button to display the broadcast information for the frequency saved to each button.

✻ NOTICE

While listening to a frequency you want to save as a preset, press and hold one of the [1] ~ [6] preset buttons (over 0.8 seconds) to save the current frequency to the selected preset.

Auto Store

Press the button to automatically save receivable frequencies to Preset buttons.

✻ NOTICE

While Auto Store is operating, pressing the [Cancel] button again will cancel Auto Store and restore the previous frequency.

RDS Menu

Press the button to set the AF (Alternative Frequency), Region and News features.

✻ NOTICE

The RDS Menu is not supported within AM or AMA mode.

Scan

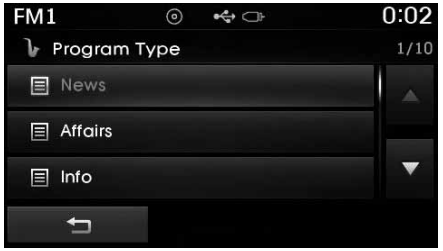
Press and hold the TA/SCAN key (over 0.8 seconds) to preview frequencies with superior reception for 5 seconds each.

✻ NOTICE

Once scan is complete, the previous frequency will be restored.
While Scan is operating, pressing and holding the TA/SCAN key (over 0.8 seconds) will cancel the scan operation.

Program Type

Press the PTY FOLDER key to search for the desired Program type.



Turn the TUNE knob left/right to search for the desired program type. Once you find the desired program type, press the TUNE knob.

After selecting the desired Program Type and while the Program Type is blinking (approximately 5 seconds), pressing the SEEK TRACK key will allow you to select a different Program Type broadcast.

TA (Traffic Announcement)

Press the TA/SCAN key to turn the TA (Traffic Announcement) feature On/Off.

RADIO MODE

- AM900DMMG, AM910DMMG, AM911DMMG, AM901DMGG, AM910DMEE, AM911DMEE, AM910DMGL, AM900DMMN, AM910DMMN, AM912DMEE, AM911DMGL

Basic Mode Screen

1. Mode Display

Displays currently operating mode

2. Frequency

Displays the current frequency

3. Preset

Displays current preset number [1] ~ [6]

4. Preset Display

Displays preset buttons

5. Autostore

Automatically saves frequencies with superior reception to Preset buttons

Switching to Radio Mode

Pressing the RADIO key will change the operating mode in order of FM1 ➟FM2➟AM

Press the FM or AM key to change the mode in order of FM1➟ FM2 and AM.

If [Mode Pop-up] is turned on within SETUP ▸[Display], then pressing the RADIO key will display the Radio Pop-up Mode screen.

Turn the TUNE knob to move the focus. Press the knob to select.

Searching Radio Frequencies

Using Seek

Press the SEEK TRACK key to play the previous/next frequency.

Using TUNE

Turn the TUNE knob to select the desired frequency.

- FM : Increases/decreased by 100kHz
- AM : Increases/decreased by 9kHz

Using Radio Mode

Selecting /Saving Presets

Press the Preset button to display the broadcast information for the frequency saved to each button.

Press the 1 ~ 6 buttons to play the desired preset.

✻ NOTICE

While listening to a frequency you want to save as a preset, press and hold one of the [1] ~ [6] preset buttons (over 0.8 seconds) to save the current frequency to the selected preset.

Auto Store

Press the A.store button to automatically save receivable frequencies to Preset buttons.

Scan

Press the SCAN key to preview frequencies with superior reception for 5 seconds each.

Press and hold the SCAN key (over 0.8 seconds) to preview presets for 5 seconds each.

✻ NOTICE

- **Once scan is complete, the previous frequency will be restored.**
- **While Scan is operating, pressing the SCAN key will cancel the scan operation.**

✻ NOTICE - USING THE DISCS

- This device has been manufactured to be compatible with software bearing the following logo marks.
- Do not clean discs with chemical solutions, such as record sprays, antistatic sprays, antistatic liquids, benzene, or thinners.
- After using a disc, put the disc back in its original case to prevent disc scratches.
- Hold discs by their edges or within the center hole to prevent damages to disc surfaces.
- Do not introduce foreign substances into the disc insert/eject slot. Introducing foreign substances could damage the device interior.
- Do not insert two discs simultaneously.
- When using CD-R/CD-RW discs, differences in disc reading and playing times may occur depending on the disc manufacturer, production method and the recording method as used by the user.
- Clean fingerprints and dust off the disc surface (coated side) with a soft cloth.

(Continued)

(Continued)

- The use of CD-R/CD-RW discs attached with labels may result in disc slot jams or difficulties in disc removal. Such discs may also result in noise while playing.
- Some CD-R/CD-RW discs may not properly operate depending on the disc manufacturer, production method and the record method as used by the user. If problems persist, trying using a different CD as continued use may result in malfunctions.
- The performance of this product may differ depending on the CD-RW Drive Software.
- Copy-protected CDs such as S-type CDs may not function in the device. DATA discs cannot be played. (However, such discs may still operate but will do so abnormally.)
- Do not use abnormally shaped discs (8cm, heart-shaped, octagon-shaped) as such discs could lead to malfunctions.
- If the disc is straddled on the disc slot without removal for 10 seconds, the disc will automatically be re-inserted into the disc player.

(Continued)

(Continued)

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

MP3 File Information

• Supported Audio Formats

File System	ISO 9660 Level 1
	ISO 9660 Level 2
	Romeo / Juliet (128 characters)
Audio Compression	MPEG1 Audio Layer3
	MPEG2 Audio Layer3
	MPEG2.5 Audio Layer3
	Windows Media Audio Ver 7.X & 8.X

❈ File formats that do not comply with the above formats may not be properly recognized or play without properly displaying file names or other information.

• Support for Compressed Files

1. Supported Bitrates (Kbps)

BIT RATE(kbps)	MPEG1 Layer3	MPEG2 Layer3	MPEG2.5 Layer3	WMA High Range
	32	8	8	48
	40	16	16	64
	48	24	24	80
	56	32	32	96
	64	40	40	128
	80	48	48	160
	96	56	56	192
	112	64	64	
	128	80	80	
	160	96	96	
	192	112	112	
	224	128	128	
	256	144	144	
	320	160	160	

2. Sampling Frequencies (Hz)

MPEG1	MPEG2	MPEG2.5	WMA
44100	22050	11025	32000
48000	24000	12000	44100
3000	16000	8000	48000

• For MP3/WMA compression files, differences in sound quality will occur depending on the bitrate. (Higher sound quality can be experienced with higher bitrates.)

• This device only recognizes files with MP3/WMA extensions. Other file extensions may not be properly recognized.

3. Maximum number of recognized folders and files

- Folder : 255 folders for CD, 2,000 folders for USB
- File : 999 files for CD, 6,000 files for USB

❈ There are no limitations to the number of recognized folder levels

• Language Support (Unicode Support)

1. English: 94 characters
2. Special characters and Symbols : 986 characters
3. Special characters and Symbols : 986 characters

❈ Languages other than Korean and English (including Chinese) are not included.

4. Text Display (Based on Unicode)
   - File name: Maximum 64 English characters
   - Folder name: Max 32 English characters

❈ Using the scroll feature allows you to see the entire name of files with names that are too long to be displayed at once.

• Compatibility by Disc Type

1. Playing MIXED CDs: First plays the audio CD, then plays the compressed file(s).
2. Playing EXTRA CDs: First plays the audio CD, then plays the compressed file(s).
3. Playing multisession CDs: Plays in order of sessions
   - MIXED CD : CD type in which both MP3 and audio CD files are recognized in one disc.
   - Multisession CD CD type that includes more than two sessions. Different from Extra CDs, multisession CDs are recorded by sessions and have no media limitation.

• Precautions upon Writing CDs

1. In all cases except when creating multisession discs, check the close session option before creating the disc. Though product malfunctions will not occur, some time may be required for the device to check whether the session state is closed (approximately 25 seconds). (Additional time may also be required depending on the number of folders or files.)
2. Changing the MP3/WMA file extensions or changing files of other extensions to MP3/WMA may result in product malfunction.
3. When naming files with MP3/WMA file extensions, write using only Korean and English. (Languages other than Korean and English are not supported and are displayed as blank.)
4. Unauthorized use or duplication of music files are prohibited by law.
5. Prolonged use of CD-R/CD-RW discs that do not satisfy related standards and/or specifications could result in product malfunction.
6. Unauthorized use or duplication of MP3/WMA files is prohibited by law.

MEDIA MODE

- AM910DMMG, AM911DMMG, AM912DMEE, AM910DMMN, AM914DMEE, AM911DMGL

Switching to Media Mode (for *Bluetooth*® Wireless Technology equipped model)

Pressing the MEDIA key will change the operating mode in order of CD➟USB(iPod)➟AUX➟My Music ➟ BT Audio.

If [Pop-up Mode] / [Mode Pop-up] is turned on within SETUP ▸[Display], then pressing the MEDIA key will display the Media Pop-up Mode screen.

Turn the TUNE knob to move the focus. Press the knob to select.

MEDIA MODE

- AM900DMMG, AM901DMMG, AM910DMEE, AM911DMEE, AM910DMGL, AM900DMMN, AM904DMEE

Switching to Media Mode

Pressing the MEDIA key will change the operating mode in order of CD➟USB(iPod)➟AUX➟My Music.

If [Pop-up Mode] / [Mode Pop-up] is turned on within SETUP ▸[Display], then pressing the MEDIA key will display the Media Pop-up Mode screen.

Turn the TUNE knob to move the focus. Press the knob to select.

✻ NOTICE

- **The media mode pop up screen can be displayed only when there are two or more media modes turned on.**

Title Icon

When a *Bluetooth*® Wireless Technology, iPod, USB, or AUX device is connected or a CD is inserted, the corresponding mode icon will be displayed.

Icon	Title
	Bluetooth® Wireless Technology
	CD
	iPod
	USB
	AUX

AUDIO CD MODE

Basic Mode Screen

<for RDS model>

1. Mode

Displays currently operating mode

2. Operation State

From Repeat/Random(Shuffle)/ Scan, displays the currently operating function

3. Track Info

Displays information about the current track

4. Play/Pause

Changes the play/pause state

5. Play Time

Displays the current play time

6. Info

Shows detailed information about the current track

7. Random(Shuffle)

Turns the Random(Shuffle) feature on/off

8. Repeat

Turns the Repeat feature on/off

9. List

Moves to the list screen

Using Audio CD Mode

Playing/Pausing CD Tracks

Once an audio CD is inserted, the mode will automatically start and begin playing.

<for RDS model>

While playing, press the ⏸ button to pause and press ▶ button to play.

✻ NOTICE

- **Only genuine audio CDs are supported. Other discs may result in recognition failure (e.g. copy CD-R, CDs with labels)**
- **The artist and title information are displayed on the screen if track information is included within the audio CD.**

Changing Tracks

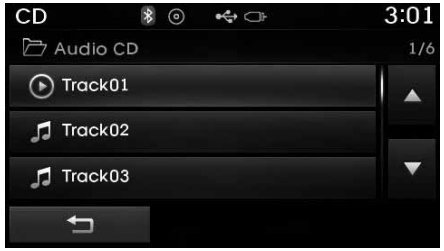
Press the SEEK TRACK key to move to the previous or next track.

✻ NOTICE

- **Pressing the SEEK TRACK key after the track has been playing for 3 seconds will start the current track from the beginning.**
- **Pressing the SEEK TRACK key before the track has been playing for 3 seconds will start the previous track.**

Selecting from the List

Turn the TUNE knob left/right to search for the desired track.



Once you find the desired track, press the TUNE knob to start playing.

Rewinding / Fast-forwarding Tracks

While playing, press and hold the SEEK TRACK key (over 0.8 seconds) to rewind or fast-forward the current track.

Scan(for RDS model)

Press and hold the TA/SCAN key (over 0.8 seconds) to play the first 10 seconds of each track.

Scan

Press the SCAN key to play the first 10 seconds of each file.

Audio CD Mode Menu

Within this mode, you will have access to the Info, Random(Shuffle), Repeat and List features.

<for RDS model>

Info

Press the (Info)button to display details about the current disc.

Random(Shuffle)

Press the (Shuffle)button to play tracks in random(Shuffle) order.

Press the button again to turn the Random(Shuffle) feature off.

- Random(Shuffle): Plays all tracks in random(Shuffle) order.

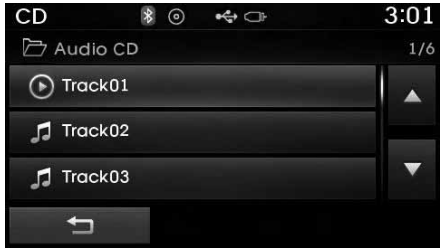
Repeat

Press the (Repeat)button to repeat the current track. Press the button again to turn the repeat feature off.

- Repeat: Repeats the current track.

List

Press the (List)button to display the track list screen.



Turn the TUNE knob left/right to search for tracks. Once the desired track is displayed, press the knob to select and play.

MP3 CD MODE

Basic Mode Screen

<for RDS model>

1. Mode

Displays currently operating mode.

2. Operation State

From Repeat/Random(Shuffle)/ Scan, displays the currently operating function

3. File Index

Displays the current file number

4. File Info

Displays information about the current file

5. Play/Pause

Changes the play/pause state

6. Play Time

Displays the current play time

7. Info

Shows detailed information about the current file

8. Random(Shuffle)

Turns the Random(Shuffle) feature on/off

9. Repeat

Turns the Repeat feature on/off

10. Copy

Copies the current file into My Music

11. List

Moves to the list screen

Using MP3 CD Mode

Playing/Pausing MP3 Files

Once an MP3 disc is inserted the mode will automatically start and being playing.

<for RDS model>

While playing, press the ⏸ button to pause and press ▶ button to play.

✻ NOTICE

- **If there are numerous files and folders within the disc, reading time could take more than 10 seconds and the list may not be displayed or song searches may not operate. Once loading is complete, try again.**

Changing Files

Press the SEEK TRACK key to move to the previous or next file.

✻ NOTICE

- **Pressing the SEEK TRACK key after the file has been playing for 3 seconds will start the current file from the beginning.**
- **Pressing the SEEK TRACK key before the file has been playing for 3 seconds will start the previous file.**

Selecting from the List

Turn the TUNE knob left/right to search for the desired file.

Once you find the desired file, press the TUNE knob to start playing.

Rewinding / Fast-forwarding Files

While playing, press and hold the SEEK TRACK key (over 0.8 seconds) to rewind or fast-forward the current file.

Scan(for RDS model)

Press and hold the TA/SCAN key (over 0.8 seconds) to play the first 10 seconds of each file.

Scan

Press the SCAN key to play the first 10 seconds of each file.

Searching Folders

Press the PTY FOLDER (FOLDER) key to select and search folders.

Once the desired folder is displayed, press the TUNE knob to select.

The first file within the selected folder will begin playing.

MP3 CD Mode Menu

Within this mode, you will have access to the Info, Random(Shuffle), Repeat, Copy and List features.

<for RDS model>

Info

Press the i (Info)button to display details about the current file.

✻ NOTICE

- **When the 'Folder File' option is set as the default display within Display setup, the album/artist/file information are displayed as detailed file information.**
- **When the 'Album Artist Song' option is set as the default display, the folder name/file name are displayed as detailed file information.**
- **The title, artist and album info are displayed only when such information are recorded within the MP3 file ID3 tag.**

Random(Shuffle)

Press the (Shuffle)button to play files in random(Shuffle) order.

Each time the button is pressed, the feature changes in order of Random (Shuffle) Folder ➡ Random (Shuffle) All➡ Off.

- Random(Shuffle) Folder : Plays all files within the current folder in Random (Shuffle) order.
- Random(Shuffle) All : Plays all files in Random(Shuffle) order.

Repeat

Press the (Repeat)button to repeat the current file or folder.

Each time the button is pressed, the feature changes in order of Repeat ➟Repeat Folder➟Off.

- Repeat: Repeats the current file.
- Repeat Folder: Repeats all files within the current Folder.

Copying Files

Press the (Copy)button to copy the current file into My Music.

✻ NOTICE

Selecting another feature during copying will display a pop-up asking whether you wish to cancel copying. To cancel, select 'Yes'.

List

Press the (List)button to display the file list screen.

Turn the TUNE knob left/right to search for files. Once the desired file is displayed, press the knob to select and play.

✻ NOTICE - USING THE USB DEVICE

- **Connect the USB device after turning on the engine. The USB device may become damaged if it is already connected when the ignition is turned on.The USB device may not operate properly if the car ignition is turned on or off with the USB device connected.**
- **Heed caution to static electricity when connecting/disconnecting USB devices.**
- **Encoded MP3 Players will not be recognized when connected as an external device.**
- **When connecting an external USB device, the device may not properly recognize the USB is in some states.**
- **Only products formatted with byte/sectors under 64Kbyte will be recognized.**
- **This device recognizes USB devices formatted in FAT 12/16/32 file formats. This device does not recognize files in NTFS file format.**
- **Some USB devices may not be supported due to compatibility issues.**

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- **Avoid contact between the USB connector with bodily parts or foreign objects.**
- **Repeated connecting/disconnecting of USB devices within short periods of time may result in product malfunction.**
- **A strange noise may occur when disconnecting the USB.**
- **Make sure to connect/disconnect external USB devices with the audio power turned off.**
- **The amount of time required to recognize the USB device may differ depending on the type, size or file formats stored in the USB. Such differences in time are not indications of malfunctions.**
- **The device only supports USB devices used to play music files.**
- **USB images and videos are not supported.**
- **Do not use the USB I/F to charge batteries or USB accessories that generate heat. Such acts may lead to worsened performance or damage to the device.**

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- **The device may not recognize the USB device if separately purchased USB hubs and extension cables are being used. Connect the USB directly with the multimedia terminal of the vehicle.**
- **When using mass storage USB devices with separate logical drives, only files saved to the root drive can be played.**
- **Files may not properly operate if application programs are installed to the USBs.**
- **The device may not operate normally if MP3 Players, cellular phones, digital cameras, or other electronic devices (USB devices not recognized as portable disk drives) are connected with the device.**
- **Charging through the USB may not work for some mobile devices.**
- **The device may not support normal operation when using a USB memory type besides (Metal Cover Type) USB Memory.**
- **The device may not support normal operation when using formats such as HDD Type, CF, or SD Memory.**

(Continued)

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- **The device will not support files locked by DRM (Digital Rights Management.)**
- **USB memory sticks used by connecting an Adaptor (SD Type or CF Type) may not be properly recognized.**
- **The device may not operate properly when using USB HDDs or USBs subject to connection failures caused by vehicle vibrations. (e.g. i-stick type)**
- **Avoid use of USB memory products that can also be used as key chains or mobile phone accessories.**

  Use of such products may cause damage to the USB jack.
- **Connecting an MP3 device or phone through various channels, such as AUX/BT or Audio/USB mode may result in pop noises or abnormal operation.**

USB MODE

Basic Mode Screen

<for RDS model>

1. Mode

Displays currently operating mode

2. Operation State

From Repeat/Random(Shuffle)/ Scan, displays the currently operating function

3. File Index

Displays the current file number

4. File Info

Displays information about the current file

5. Play/Pause

Changes the play/pause state

6. Play Time

Displays the current play time

7. Info

Displays detailed information for the current file

8. Random(Shuffle)

Turns the Random(Shuffle) feature on/off

9. Repeat

Turns the Repeat feature on/off

10. Copy

Copies the current file into My Music

11. List

Moves to the list screen

Using USB Mode

Playing/Pausing USB Files

Once a USB is connected, the mode will automatically start and begin playing a USB file.

<for RDS model>

While playing, press the ⏸ button to pause and press ▶ button to play.

✻ NOTICE

- **Loading may require additional time if there are many files and folders within the USB and result in faulty list display or file searching. Normal operations will resume once loading is complete.**
- **The device may not support normal operation when using a USB memory type besides (Metal Cover Type) USB Memory.**

Changing Files

Press the SEEK TRACK keys to move to the previous or next file.

✻ NOTICE

- **Pressing the SEEK TRACK key after the file has been playing for 3 seconds will start the current file from the beginning.**
- **Pressing the SEEK TRACK key before the file has been playing for 3 seconds will start the previous file.**

Selecting from the List

Turn the TUNE knob left/right to search for the desired file.

Once you find the desired file, press the TUNE knob to start playing.

Rewinding / Fast-forwarding Files

While playing, press and hold the SEEK TRACK key (over 0.8 seconds) to rewind or fast-forward the current file.

Scan(for RDS model)

Press and hold the TA/SCAN key (over 0.8 seconds) to play the first 10 seconds of each file.

Scan

Press the SCAN key to play the first 10 seconds of each file.

Searching Folders

Press the PTY FOLDER (FOLDER)key to select and search folders.

Once the desired folder is displayed, press the TUNE knob to select.

The first file within the selected folder will begin playing.

USB Mode Menu

Within this mode, you will have access to the Info, Random(Shuffle), Repeat, Copy and List features.

<for RDS model>

Info

Press the *i* (Info)button to display details about the current file.

✻ NOTICE

- **When the 'Folder File' option is set as the default display within Display setup, the album/artist/file information are displayed as detailed file information.**
- **When the 'Album Artist Song' option is set as the default display, the folder name/file name are displayed as detailed file information.**
- **The title, artist and album info are displayed only when such information are recorded within the MP3 file ID3 tag.**

Random(Shuffle)

Press the (Shuffle)button to play files in random(Shuffle) order.

Each time the button is pressed, the feature changes in order of Random(Shuffle) Folder➡Random (Shuffle) All➡Off.

- Random(Shuffle) Folder : Plays the files in the current folder in random(Shuffle) order.
- Random(Shuffle) All : Plays all files in random(Shuffle) order.

Repeat

Press the (Repeat)button to repeat the current file or folder.

Each time the button is pressed, the feature changes in order of Repeat➟ Repeat Folder ➟ Off.

- Repeat (Icon) : Repeats the current file.
- Repeat Folder (Icon) : Repeats all files within the current folder.

Copying Files

Press the (Copy)button to copy the current file into My Music.

✻ NOTICE

Selecting another feature during copying will display a pop-up asking whether you wish to cancel copying. To cancel, select 'Yes'.

List

Press the (List)button to display the file list screen.

Turn the TUNE knob left/right to search for files. Once the desired file is displayed, press the knob to select and play.

✻ NOTICE - USING THE iPod® DEVICE

- **iPod® is a registered trademark of Apple Inc.**
- **In order to use the iPod while operating the keys, you must use a dedicated iPod cable. (the cable that is supplied when purchasing iPod/iPhone products)**
- **If the iPod is connected to the vehicle while it is playing, a high pitch sound could occur for approximately 1-2 seconds immediately after connecting. If possible, connect the iPod to the vehicle with the iPod stopped/paused.**
- **During ACC ON state, connecting the iPod through the iPod cable will charge the iPod through the car audio system.**
- **When connecting with the iPod cable, make sure to fully insert the jack to prevent communication interference.**

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- **When the EQ features of an external device, such as the iPod, and the audio system are both active, EQ effects could overlap and cause sound deterioration and distortion. Whenever possible, turn off the EQ feature within the external device upon use by connecting with the audio system.**
- **Noise may occur when an iPod or AUX device is connected. When such devices are not being used, disconnect the device for storage.**
- **When the iPod or AUX device power is connected to the power jack, playing the external device may result in noise. In such cases, disconnect the power connection before use.**
- **Skipping or improper operation may occur depending on the characteristics of your iPod/Phone device.**
- **If your iPhone is connected to both the *Bluetooth*® Wireless Technology and USB, the sound may not be properly played. In your iPhone, select the Dock connector or *Bluetooth*® Wireless Technology to change the sound output (source).**

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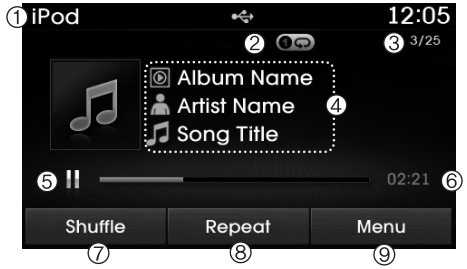
- **iPod mode cannot be operated when the iPod cannot be recognized due to the playing of versions that do not support communication protocols, cases of iPod abnormalities and defects.**
- **For fifth generation iPod Nano devices, the iPod may not be recognized when the battery level is low. Please charge the iPod for use.**
- **Search/play orders shown within the iPod device may differ with the orders shown within the audio system.**
- **If the iPod malfunctions due to an iPod device defect, reset the iPod and try again. (To learn more, refer to your iPod manual)**
- **Some iPods may not sync with the System depending on its version. If the Media is removed before the Media is recognized, then the system may not properly restore the previously operated mode. (iPad charging is not supported.)**

iPod MODE

Basic Mode Screen

<for RDS model>



1. Mode

Displays currently operating mode

2. Operation State

From Repeat/Random(Shuffle), displays the currently operating function

3. Song Index

Displays the current song/total number of songs

4. Song Info

Displays information about the current song

5. Play/Pause

Changes the play/pause state

6. Play Time

Displays the current play time

7. Random(Shuffle)

Turns the Random(Shuffle) feature on/off

8. Repeat

Turns the Repeat feature on/off

9. List

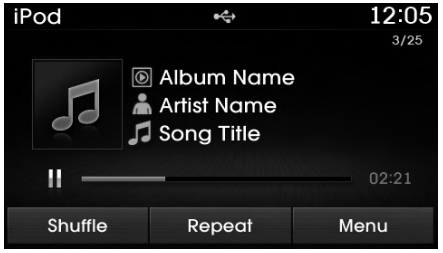
Moves to the list screen

Using iPod Mode

Playing/Pausing iPod Songs

Once an iPod is connected, the mode will automatically start and begin playing an iPod song.

<for RDS model>



While playing, press the ⏸ button to pause and press ▶ button to play.

✻ NOTICE

- **iPods with unsupported communication protocols may not properly operate in the audio system.**

Changing Songs

Press the SEEK TRACK key to move to the previous or next song.

✻ NOTICE

- **Pressing the SEEK TRACK key after the song has been playing for 3 seconds will start the current song from the beginning.**
- **Pressing the SEEK TRACK key before the song has been playing for 3 seconds will start the previous song.**
- **Slight time differences may exist depending your iPod product.**

Rewinding / Fast-forwarding Songs

While playing, press and hold the SEEK TRACK key (over 0.8 seconds) to rewind or fast-forward the current song.

Searching Categories

Turn the TUNE knob left/right to search for the desired category.

<for RDS model>

Once you find the desired category, press the TUNE knob to select and play.

✻ NOTICE

There are eight categories that can be searched, including Playlists, Artists, Albums, Genres, Songs, Composers, Audiobooks and Podcasts.

Category Menu

Within the iPod Category menu, you will have access to the ⮌, Home, and ⮍ features.

<for RDS model>

1. ⮌ : Displays the play screen
2. Home : Moves to the iPod root category screen
3. ⮍ : Moves to the previous category

✻ NOTICE

- **If the search mode is accessed while playing a song, the most recently searched category is displayed.**
- **Search steps upon initial connection may differ depending on the type of iPod device.**

iPod Mode Menu

Within this mode, you will have access to the Random(Shuffle), Repeat and List features.

<for RDS model>

Random(Shuffle)

Press the (Shuffle)button to play songs in random(Shuffle) order.

Each time the button is pressed, the feature changes in order of Random(Shuffle) Album➟Random (Shuffle) All➟Off.

- Random(Shuffle) Album : Shuffle Album plays album in Random(Shuffle) order.
- Random(Shuffle) All : Plays all songs in Random(Shuffle) order.

Repeat

Press the (Repeat)button to repeat the current song. Press the button again to turn the repeat feature off.

- Repeat : Repeats the current song

List

Press the (List)button to display the Category Menu.

<for RDS model>

Turn the TUNE knob left/right to search for the desired category.

Once you find the desired category, press the TUNE knob to select and play.

AUX MODE

Using AUX Mode

Press the MEDIA key ▸ Select [AUX]

An external device can be connected to play music.

Connecting an External Device

External audio players (Camcorders, car VCR, etc.) can be played through a dedicated cable.

✻ NOTICE

- **If an external device connector is connected with the AUX terminal, then AUX mode will automatically operate. Once the connector is disconnected, the previous mode will be restored.**
- **AUX mode can be used only when an external audio player (camcorder, car VCR, etc.) has been connected.**
- **The AUX volume can be controlled separately from other audio modes.**
- **Connecting a connector jack to the AUX terminal without an external device will convert the system to AUX mode, but only output noise. When an external device is not being used, also remove the connector jack.**
- **When the external device power is connected to the power jack, playing the external device may output noise. In such cases, disconnect the power connection before use.**
- **Fully insert the AUX cable to the AUX jack upon use.**

MY MUSIC MODE

Basic Mode Screen

<for RDS model>

1. Mode

Displays currently operating mode

2. Operation State

From Repeat/Random(Shuffle)/ Scan, displays the currently operating function

3. File Index

Displays the current file/total number of files

4. File Info

Displays information about the current file

5. Play/Pause

Changes the play/pause state

6. Play Time

Displays the current play time

7. Info

Displays detailed information for the current file

8. Random(Shuffle)

Turns the Random(Shuffle) feature on/off

9. Repeat

Turns the Repeat feature on/off

10. Delete

Deletes the current file

11. List

Moves to the list screen

Using My Music Mode

Playing/Pausing My Music Files

<for RDS model>

While playing, press the ⏸ button to pause and press ▶ button to play.

✻ NOTICE

If there are no files saved within My Music, the [My Music] button will be disabled.

Changing Files

Press the SEEK TRACK key to move to the previous or next file.

✻ NOTICE

- **Pressing the SEEK TRACK key after the file has been playing for 3 seconds will start the current file from the beginning.**
- **Pressing the SEEK TRACK key before the file has been playing for 3 seconds will start the previous file.**

Selecting from the List

Turn the TUNE knob left/right to search for the desired file.

<for RDS model>

Once you find the desired file, press the TUNE knob to start playing.

Rewinding / Fast-forwarding Files

While playing, press and hold the SEEK TRACK key (over 0.8 seconds) to rewind or fast-forward the current file.

Scan(for RDS model)

Press and hold the TA/SCAN key (over 0.8 seconds) to play the first 10 seconds of each file.

Scan

Press the SCAN key to play the first 10 seconds of each file.

My Music Mode Menu

Within this mode, you will have access to the Info, Random(Shuffle), Repeat, Delete and List features.

<for RDS model>

Info

Press the (Info)button to display details about the current file.

✻ NOTICE

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

Random

Press the (Shuffle)button to play files in random order. Press the button again to turn the Random feature off.

Repeat

Press the (Repeat)button to repeat the current song. Press the button again to turn the repeat feature off.

Deleting Files

Press the (Delete)button to delete the current file.

List

Press the (List)button to display the file list screen.

<for RDS model>

Turn the TUNE knob left/right to search for files. Once the desired file is displayed, press the knob to select and play.

List Menu

From the List screen, it is possible to delete files you previously saved into My Music.

<for RDS model>

Press the (Select All)button or individually select the files you want to delete. Once files are selected, the (Unselect All)button and (Delete)buttons will be enabled.

1) : Moves to the previous screen
2) Sellect All: Selects all files
3) Unsellet All: Deselects all selected files
4) Delete: Deletes selected files

After selecting the files you want to delete, press the (Delete)button to delete the selected files.

✻ NOTICE

- **If there is memory available, up to 6,000 files can be saved.**
- **Identical files cannot be copied more than 1,000 times.**
- **To check memory information, go to SETUP ▶ [System] ▶ [Memory Information]**

✻ NOTICE - USING THE *Bluetooth®* Wireless Technology Audio Mode

- ***Bluetooth®*** **Wireless Technology Audio Mode can be used only when a *Bluetooth®* Wireless Technology phone has been connected.**
- ***Bluetooth®*** **Wireless Technology Audio Mode will not be available when connecting mobile phones that do not support this feature.**
- **While *Bluetooth®* Wireless Technology Audio is playing, if the *Bluetooth®* Wireless Technology phone is connected, then the music will also stop.**
- **Moving the Track up/down while playing *Bluetooth®* Wireless Technology audio mode may result in pop noises in some mobile phones.**
- ***Bluetooth®*** **Wireless Technology streaming audio may not be supported in some mobile phones.**
- **When returning to *Bluetooth®* Wireless Technology Audio mode after ending a call, the mode may not automatically restart in some mobile phones.**
- **Receiving an incoming call or making an outgoing call while playing *Bluetooth®* Wireless Technology Audio may result in audio interference.**

Bluetooth® Wireless Technology AUDIO MODE (for *Bluetooth®* Wireless Technology equipped model)

Using *Bluetooth®* Wireless Technology Audio Mode

Playing/Pausing Bluetooth® Wireless Technology *Audio*

Once a *Bluetooth®* Wireless Technology device is connected, the mode will automatically start.

While playing, press the ▶II button to pause and press ▶II button to play.

✻ NOTICE

The play/pause feature may operate differently depending on the mobile phone.

Changing Files

Press the SEEK TRACK key to move to the previous or next file.

Setting Connection

If a *Bluetooth®* Wireless Technology device has not been connected, press the SETUP key ▸[Phone] button to display the *Bluetooth®* Wireless Technology connection screen.

It is possible to use the pair phone, connect/disconnect and delete features from your *Bluetooth®* Wireless Technology phone.

✻ NOTICE

- **If the *Bluetooth*® Wireless Technology audio is not operating properly, check whether the feature is turned off at SETUP ▶ [Phone] ▶ [Audio streaming] (Streaming Audio). If the feature is off, turn back on and try again.**
- **If music is not yet playing from your mobile device after converting to *Bluetooth*® Wireless Technology Audio mode, pressing the play button once may start playing the mode. Check to see that music is playing from the *Bluetooth*® Wireless Technology device after converting to *Bluetooth*® Wireless Technology Audio Mode.**

Bluetooth® Wireless Technology (for RDS, *Bluetooth*® Wireless Technology equipped model)

Using *Bluetooth*® Wireless Technology Handsfree

- *Bluetooth*® Wireless Technology refers to a short-distance wireless networking technology which uses a 2.45GHz frequency to connect various devices within a certain distance.
- Supported within PCs, external devices, *Bluetooth*® Wireless Technology phones, PDAs, various electronic devices, and automotive environments, *Bluetooth*® Wireless Technology allows data to be transmitted at high speeds without having to use a connector cable.
- *Bluetooth*® Wireless Technology Handsfree refers to a device which allows the user to conveniently make phone calls with *Bluetooth*® Wireless Technology mobile phones through the audio system.

⚠ CAUTION

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

✻ NOTICE - USING UPON CONNECTING *Bluetooth*® Wireless Technology PHONE

- Before connecting the car audio system with the mobile phone, check to see that the mobile phone supports *Bluetooth*® Wireless Technology features.
- Even if the phone supports *Bluetooth*® Wireless Technology, the phone will not be found during device searches if the phone has been set to hidden state or the *Bluetooth*® Wireless Technology power is turned off. Disable the hidden state or turn on the *Bluetooth*® Wireless Technology power prior to searching/connecting with the car audio system.
- If you do not want to automatically connect your *Bluetooth*® Wireless Technology phone, try the following.
  1. Turn off the *Bluetooth*® Wireless Technology feature in your mobile phone.
  - For more information on *Bluetooth*® Wireless Technology features within your mobile, refer to your mobile phone user's manual.
  2. Turn off the *Bluetooth*® Wireless Technology feature in your car audio system.

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- To turn off the *Bluetooth*® Wireless Technology feature in your car audio system, go to SETUP > [Phone] and [turn off] the *Bluetooth*® Wireless Technology feature.

- Park the vehicle when connecting the car audio system with your mobile phone.
- *Bluetooth*® Wireless Technology connection may become intermittently disconnected in some mobile phones. Follow these steps to try again.
  1. Turn the *Bluetooth*® Wireless Technology function within the mobile phone off/on and try again.
  2. Turn the mobile phone power Off/On and try again.
  3 Completely remove the mobile phone battery, reboot, and then again.
  4. Reboot the audio system and try again.
  5. Delete all paired devices, pair and try again.
- The Handsfree call volume and quality may differ depending on the mobile phone.

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- *Bluetooth*® Wireless Technology features supported within the vehicle are as follows. Some features may not be supported depending on your *Bluetooth*® Wireless Technologydevice.
  - Answering and placing *Bluetooth*® Wireless Technology Handsfree calls
  - Menu operation during call (Switch to Private, Switch to call waiting, Outgoing volume)
  - Download Call History
  - Download Mobile Phone book
  - Phone book/Call History Auto Download
  - *Bluetooth*® Wireless Technology device auto connection - *Bluetooth*® Wireless Technology Audio
- It is possible to pair up to five *Bluetooth*® Wireless Technology devices to the car system.
- Only one *Bluetooth*® Wireless Technology device can be connected at a time.
- Other devices cannot be paired while a *Bluetooth*® Wireless Technologydevice is already connected.
- When a *Bluetooth*® Wireless Technology device is being connected, the connection process cannot be canceled.

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- **Only *Bluetooth*® Wireless Technology Handsfree and *Bluetooth*® Wireless Technology audio related features will operate within this system.**
- **Normal operation is possible only for devices that support Handsfree or audio features, such as a *Bluetooth*® Wireless Technology mobile phone or a *Bluetooth*® Wireless Technology audio device.**
- **Only one function can be used at a time between the *Bluetooth*® Wireless Technology Handsfree and *Bluetooth*® Wireless Technology audio. (While playing *Bluetooth*® Wireless Technology audio, streaming will end upon entering the *Bluetooth*® Wireless Technology phone screen.)**
- **If a connected *Bluetooth*® Wireless Technology device becomes disconnected for various reasons, such as being out of range, turning the device OFF, or a *Bluetooth*® Wireless Technology communication error, *Bluetooth*® Wireless Technology devices are automatically searched and connected.**
- **Placing the audio system within an electromagnetic environment may result in noise interference.**

Pairing a *Bluetooth*® Wireless Technology wireless technology Device

What is *Bluetooth*® Wireless Technology Pairing?

Pairing refers to the process of synchronizing your *Bluetooth*® Wireless Technology phone or device with the car audio system for connection. Pairing is necessary to connect and use the *Bluetooth*® Wireless Technology feature.

Pairing PHONE Key / Key on the Steering Remote Controller

When No Devices have been Paired

1. Press the PHONE key or the key on the steering remote controller. The following screen is displayed.
2. Press the OK button to enter the Pair Phone screen.

1) Device : Name of device as shown when searching from your *Bluetooth®* Wireless Technology device
2) Passkey : Passkey used to pair the device

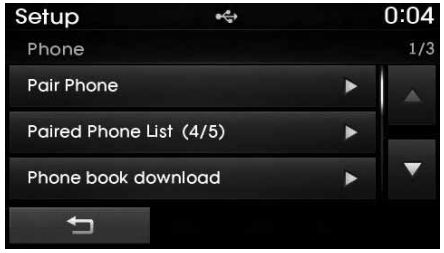
3. From your *Bluetooth®* Wireless Technology device (i.e. Mobile Phone), search and select your car audio system.
4. After a few moments, a screen is displayed where the passkey is entered.
   Here, enter the passkey “0000” to pair your *Bluetooth®* Wireless Technology device with the car audio system.
5. Once pairing is complete, the following screen is displayed.

✻ NOTICE

- **If *Bluetooth®* Wireless Technology devices are paired but none are currently connected, pressing the PHONE key or the key on the steering remote controller displays the following screen. Press the [Pair] button to pair a new device or press the [Connect] to connect a previously pair device.**

Pairing through [PHONE] Setup

Press the SETUP key ▸Select [Phone]▸Select [Pair Phone] ▸ Select ◉TUNE knob



1. The following steps are the same as the steps described in the “When No Devices have been Paired” section.

✻ NOTICE

- **The waiting period during phone pairing will last for one minute. The pairing process will fail if the device is not paired within the given time. If the pairing process fails, you must start the process from the beginning.**
- **Generally, most *Bluetooth*® Wireless Technology devices will automatically connect once pairing is complete. However, some devices may require a separate verification process to connect. Check to see whether *Bluetooth*® Wireless Technology has been properly connected within your mobile phone.**
- **List of paired *Bluetooth*® Wireless Technology devices can be viewed at SETUP ▸ [Phone] ▸ [Paired Phone List].**

Connecting a Device

Press the SETUP key ▸ Select [Phone] ▸ Select [Paired Phone List]

1) Connected Phone : Device that is currently connected
2) Paired Phone : Device that is paired but not connected

From the paired phone list, select the device you want to connect and press the button.

Changing Priority

What is Priority?

It is possible to pair up to five *Bluetooth®* Wireless Technology devices with the car audio system. As a result, the “Change Priority’ feature is used to set the connection priority of paired phones. However, the most recently connected phone will always be set as the highest priority.

Press the SETUP key▶Select [Phone]▶Select [Paired Phone List]

From the paired phone list, select the phone you want to change to the highest priority, then press the button from the Menu. The selected device will be changed to the highest priority.

✻ NOTICE

When a device is currently connected, even if you change the priority to a different device, the currently connected phone will always be set as the highest priority.

Disconnecting a Device

Press the SETUP key▶Select [Phone]▶Select [Paired Phone List]

From the paired phone list, select the currently connected device and press the button.

Deleting a Device

Press the SETUP key ▸ Select [Phone] ▸ Select [Paired Phone List]

From the paired phone list, select the device you want to delete and press the button.

✻ NOTICE

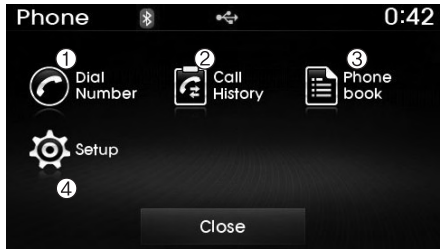
- **When deleting the currently connected device, the device will automatically be disconnected to proceed with the deleting process.**
- **If a paired *Bluetooth*® Wireless Technology device is deleted, the device's call history and phone book data will also be deleted.**
- **To re-use a deleted device, you must pair the device again.**

USING *Bluetooth*® Wireless Technology

Phone Menu Screen

Phone Menus

With a *Bluetooth*® Wireless Technology device connected, press the PHONE key to display the Phone menu screen.



1) Dial Number : Displays the dial screen where numbers can be dialed to make calls
2) Call History : Displays the call history list screen
3) Phone book : Displays the Phone book list screen
4) Setup : Displays Phone related settings

✻ NOTICE

- **If you press the [Call History] button but there is no call history data, a prompt is displayed which asks whether to download call history data.**
- **If you press the [Phone book] button but there is no phone book data, a prompt is displayed which asks whether to download phone book data. .**
- **This feature may not be supported in some mobile phones. For more information on download support, refer to your mobile phone user's manual.**

Calling by Dialing a Number

Press the PHONE key▸Select [Dial Number]

1) Dial Pad : Used to enter phone number
2) Call : If a number has been entered, calls the number If no number has been entered, switches to call history screen
3) End : Deletes the entered phone number
4) Delete : Deletes entered numbers one digit at a time

Answering Calls

Answering a Call

Answering a call with a *Bluetooth®* Wireless Technology device connected will display the following screen.

1) Caller : Displays the other part's name when the incoming caller is saved within your phone book
2) Incoming Number : Displays the incoming number
3) Accept : Accept the incoming call
4) Reject : Reject the incoming call

✻ NOTICE

- **When the incoming call pop-up is displayed, most Audio and SETUP mode features will not operate. Only the call volume can be operated.**
- **The telephone number may not be properly displayed in some mobile phones.**
- **When a call is answered with the mobile phone, the call mode will automatically convert to Private mode.**

During a Handsfree Call

1) Caller : Displays the other party's name if the incoming caller is saved within your phone book
2) Incoming Number : Displays the incoming number
3) Call time : Displays the call time
4) End : Ends call
5) Private : Converts to Private mode
6) Out Vol. : Sets call volume as heard by the other party
7) Mute : Turns Mic Mute On/Off

✻ NOTICE

If the mic is muted, the other party will not be able to hear your voice.

Call History

Press the PHONE key ▸ Select [Call History]

A list of incoming, outgoing and missed calls is displayed.

Press the [Download] button to download the call history.

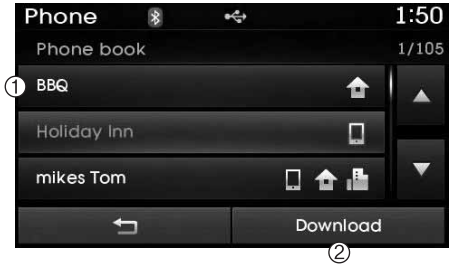
1) Call History :
   - Displays recent calls (call history)
   - Connects call upon selection
2) Download : Download Recent Call History

✻ NOTICE

- **The call history list will display up to 30 outgoing, incoming, and missed calls.**
- **Upon downloading call histories, previously saved histories are deleted.**
- **Incoming calls with hidden caller IDs will not be saved in the call history list.**
- **Previously saved phone book entries are stored even if a device is disconnected and re-connected.**
- **The download feature may not be supported in some mobile phones. Check to see that the *Bluetooth*® Wireless Technology device supports the download feature.**

Phone Book

Press the PHONE key ▸ Select [Phone book]



The list of saved phone book entries is displayed. Press the [Download] button to download the call history.

1) Contact List :
   - Displays downloaded phone book entries
   - Connects call upon selection
2) Download : Download phone book entries

✻ NOTICE

- **Up to 1,000 phone book entries can be copied into car phone book.**
- **Upon downloading phone book data, previously saved phone book data will be deleted.**
- **Downloading is not possible if the phone book download feature is turned off within the *Bluetooth*® Wireless Technology device. Also, some devices may require device authorization upon attempting to download. If downloading cannot be normally conducted, check the *Bluetooth*® Wireless Technology device setting or the screen state.**
- **Caller ID information will not be displayed for unsaved callers.**
- **The download feature may not be supported in some mobile phones. Check to see that the *Bluetooth*® Wireless Technology device supports the download feature.**

Bluetooth® Wireless Technology (for *Bluetooth*® Wireless Technology equipped model)

Pairing a *Bluetooth*® Wireless Technology wireless technology Device

What is *Bluetooth*® Wireless Technology Pairing?

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Pairing PHONE Key / Key on the Steering Remote Controller

When No Devices have been Paired

1. Press the PHONE key or the key on the steering remote controller. The following screen is displayed.
2. Press the OK button to enter the Pair Phone screen.

1) Device : Name of device as shown when searching from your *Bluetooth*® Wireless Technology device
2) Passkey : Passkey used to pair the device

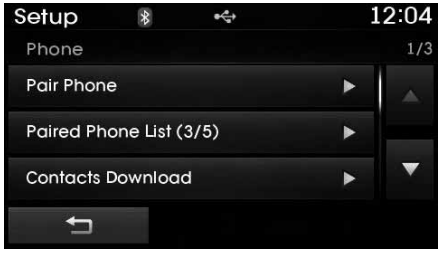
3. From your *Bluetooth*® Wireless Technology device (i.e. Mobile Phone), search and select your car audio system.
4. After a few moments, a screen is displayed where the passkey is entered.
   Here, enter the passkey “0000” to pair your *Bluetooth*® Wireless Technology device with the car audio system.
5. Once pairing is complete, the following screen is displayed.

✻ NOTICE

- **If *Bluetooth*® Wireless Technology devices are paired but none are currently connected, pressing the PHONE key or the key on the steering remote controller displays the following screen. Press the [Pair] button to pair a new device or press the [Connect] to connect a previously pair device.**

Pairing through [PHONE] Setup

Press the SETUP key ▸Select [Phone]▸Select [Pair Phone] ▸ Select ◉TUNE knob



1. The following steps are the same as the steps described in the “When No Devices have been Paired” section.

✻ NOTICE

- **The waiting period during phone pairing will last for one minute. The pairing process will fail if the device is not paired within the given time. If the pairing process fails, you must start the process from the beginning.**
- **Generally, most *Bluetooth*® Wireless Technology devices will automatically connect once pairing is complete. However, some devices may require a separate verification process to connect. Check to see whether *Bluetooth*® Wireless Technology has been properly connected within your mobile phone.**
- **List of paired *Bluetooth*® Wireless Technology devices can be viewed at SETUP ▸ [Phone]▸[Paired Phone List].**

Connecting a Device

Press the SETUP key▸Select [Phone]▸Select [Paired Phone List]

1) Connected Phone : Device that is currently connected
2) Paired Phone : Device that is paired but not connected

From the paired phone list, select the device you want to connect and press the Connect button.

Changing Priority

What is Priority?

It is possible to pair up to five *Bluetooth®* Wireless Technology devices with the car audio system. As a result, the “Change Priority’ feature is used to set the connection priority of paired phones. However, the most recently connected phone will always be set as the highest priority.

Press the SETUP key▸Select [Phone]▸Select [Paired Phone List]

From the paired phone list, select the phone you want to change to the highest priority, then press the Change priority button from the Menu. The selected device will be changed to the highest priority.

✻ NOTICE

When a device is currently connected, even if you change the priority to a different device, the currently connected phone will always be set as the highest priority.

Disconnecting a Device

Press the SETUP key ▸ Select [Phone] ▸ Select [Paired Phone List]

From the paired phone list, select the currently connected device and press the Disconnect button.

Deleting a Device

Press the SETUP key ▸ Select [Phone] ▸ Select [Paired Phone List]

From the paired phone list, select the device you want to delete and press the Delete button.

✻ NOTICE

- **When deleting the currently connected device, the device will automatically be disconnected to proceed with the deleting process.**
- **If a paired *Bluetooth*® Wireless Technology device is deleted, the device's call history and contacts data will also be deleted.**
- **To re-use a deleted device, you must pair the device again.**

USING *Bluetooth*® Wireless Technology

Phone Menu Screen

Phone Menus

With a *Bluetooth*® Wireless Technology device connected, press the PHONE key to display the Phone menu screen.

1) Dial Number : Displays the dial screen where numbers can be dialed to make calls
2) Call History : Displays the call history list screen
3) Contacts : Displays the Contacts list screen
4) Setup : Displays Phone related settings

✻ NOTICE

- **If you press the [Call History] button but there is no call history data, a prompt is displayed which asks whether to download call history data.**
- **If you press the [contacts] button but there is no contacs data, a prompt is displayed which asks whether to download contacts data.**
- **This feature may not be supported in some mobile phones. For more information on download support, refer to your mobile phone user's manual.**

Calling by Dialing a Number

Press the PHONE key▸Select [Dial Number]

1) Dial Pad : Used to enter phone number
2) Call : If a number has been entered, calls the number If no number has been entered, switches to call history screen
3) End : Deletes the entered phone number
4) Delete : Deletes entered numbers one digit at a time

Answering Calls

Answering a Call

Answering a call with a *Bluetooth®* Wireless Technology device connected will display the following screen.

1) Caller : Displays the other part's name when the incoming caller is saved within your contacts
2) Incoming Number : Displays the incoming number
3) Accept : Accept the incoming call
4) Reject : Reject the incoming call

✻ NOTICE

- **When the incoming call pop-up is displayed, most Audio and SETUP mode features will not operate. Only the call volume can be operated.**
- **The telephone number may not be properly displayed in some mobile phones.**
- **When a call is answered with the mobile phone, the call mode will automatically convert to Private mode.**

During a Handsfree Call

1) Caller : Displays the other party's name if the incoming caller is saved within your contacts
2) Incoming Number : Displays the incoming number
3) Call time : Displays the call time
4) End : Ends call
5) Private : Converts to Private mode
6) Out Vol. : Sets call volume as heard by the other party
7) Mute : Turns Mic Mute On/Off

✻ NOTICE

If the mic is muted, the other party will not be able to hear your voice.

Call History

Press the PHONE key ▸ Select [Call History]

A list of incoming, outgoing and missed calls is displayed.
Press the Download button to download the call history.

1) Call History :
   - Displays recent calls (call history)
   - Connects call upon selection
2) Download : Download Recent Call History

Contacts

Press the PHONE key ▸ Select [Contacts]

The list of saved phone book entries is displayed. Press the Download button to download the call history.

1) Contacts List :
   - Displays downloaded contacts entries
   - Connects call upon selection
2) Download : Download contacts entries

✻ NOTICE

- **Up to 1,000 contacts entries can be copied into car contacts.**
- **Upon downloading contacts data, previously saved contacts data will be deleted.**
- **Downloading is not possible if the contacts download feature is turned off within the *Bluetooth*® Wireless Technology device. Also, some devices may require device authorization upon attempting to download. If downloading cannot be normally conducted, check the *Bluetooth*® Wireless Technology device setting or the screen state.**
- **Caller ID information will not be displayed for unsaved callers.**
- **The download feature may not be supported in some mobile phones. Check to see that the *Bluetooth*® Wireless Technology device supports the download feature.**

✻ NOTICE - USING THE Voice Recognition

- **When using the voice recognition feature, only commands listed within the user's manual are supported.**
- **Be aware that during the operation of the voice recognition system, pressing any key other than the key or touching the screen will terminate voice recognition mode.**
- **For superior voice recognition performance, position the microphone used for voice recognition above the head of the driver's seat and maintain a proper position when saying commands.**
- **Within the following situations, voice recognition may not function properly due to external sound.**
  - **- When the windows and sunroof are open**
  - **- When the wind of the cooling / heating device is strong**
  - **- When entering and passing through tunnels**
  - **- When driving on rugged and uneven roads**
  - **- During severe rain (heavy rains, windstorms)**
- **Phone related voice commands can be used only when a *Bluetooth*® Wireless Technology device is connected.**
- **When making calls by stating a name, the corresponding contact must be downloaded and stored within the audio system.**
- **After downloading the *Bluetooth*® Wireless Technology phone book, it takes some times to convert the phone book data into voice information. During this time, voice recognition may not properly operate.**
- **Pronounce the voice commands naturally and clearly as if in a normal conversation.**

VOICE RECOGNITION (if equipped)

Using Voice Recognition

Starting Voice Recognition

Shortly press the key on the steering remote controller .Say a command

If voice recognition is in [Normal Mode], then the system will say “Please say a command. Beep~”

- If voice recognition is in [Expert Mode], then the system will only say a “Beep~”
- To change the Normal Mode/Expert Mode setting, go to SETUP ▸ [System] ▸ [Prompt Feedback].

✻ NOTICE

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

Skipping Prompt Messages

While prompt message is being stated ▸ Shortly press the key on the steering remote controller (under 0.8 seconds)

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

Re-starting Voice Recognition

While system waits for a command ▸ Shortly press the key on the steering remote controller (under 0.8 seconds)

The command wait state is immediately ended and the beep ton will sound. After the “beep”, say the voice command.

ENDING VOICE RECOGNITION

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

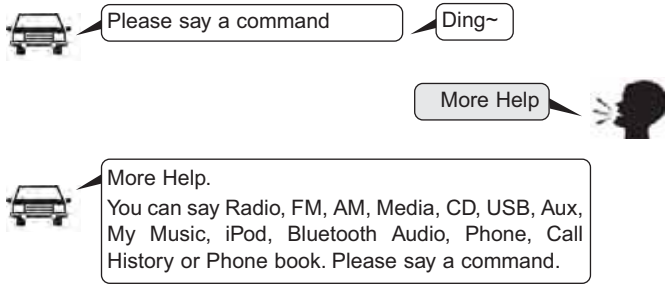
✻ NOTICE

- **While using voice command, pressing a steering wheel remote control or a different key will end voice command.**
- **In a state where the system is waiting for a voice command, say “cancel” or “end” to end voice command.**
- **In a state where the system is waiting for a voice command, press and hold the key on the steering remote controller to end voice command.**

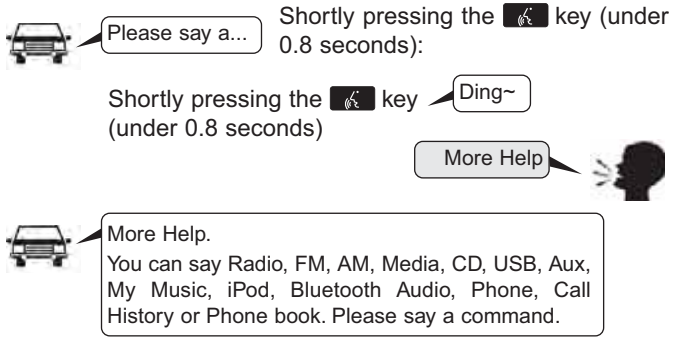
❈ Illustration on using voice commands

• Starting voice command.

Shortly pressing the key (under 0.8 seconds):

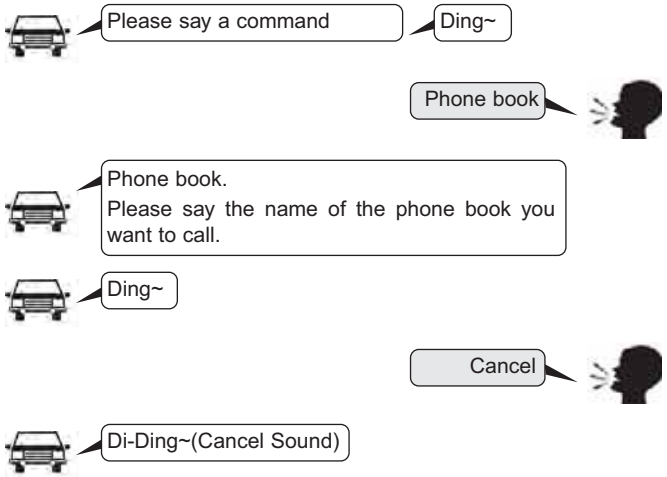


• Skipping Voice Recognition



• End voice command.

Shortly pressing the key (under 0.8 seconds):



Voice Command List

• Common Commands: These are commands that can be used in all situations. (However, some commands may not be supported in special circumstances.)

Command	Function
More Help	Provides guidance on commands that can be used anywhere in the system.
Help	Provides guidance on commands that can be used within the current mode.
Call<Name>	Calls <Name> saved in phone book Ex) Call “John”
Phone	Provides guidance on Phone related commands. After saying this command, say “Call History”, “Phone book”, “Dial Number” to execute corresponding functions.
Call History	Displays the Call History screen.
Phone book	Displays the phone book screen. After saying this command, say the name of a phone book saved in the phone book to automatically connect the call.
Dial Number	Display the Dial number screen. After saying this command, you can say the number what you want to call.
Redial	Connects the most recently called number.
Radio	• When listening to the radio, displays the next radio screen. (FM1➟ FM2➟ FMA ➟ AM ➟ AMA) • When listening to a different mode, displays the most recently played radio screen.

Command	Function
FM	• When currently listening to the FM radio, maintains the current state. • When listening to a different mode, displays the most recently played FM screen.
FM1(FM One)	Displays the FM1 screen.
FM2(FM Two)	Displays the FM2 screen.
FMA	Displays the FMA screen.
AM	Displays the AM screen.
AMA	Displays the AMA screen.
FM Preset 1~6	Plays the most recently played broadcast saved in FM Preset 1~6.
AM Preset 1~6	Plays the broadcast saved in AM Preset 1~6.
FM 87.5~107.9	Plays the FM broadcast of the corresponding frequency.
AM 530~1710	Plays the AM broadcast of the corresponding frequency.
TA on	Enable Traffic Announcement
TA off	Disable Traffic Announcement
News on	Enable RDS News feature
News off	Disable RDS News feature

Command	Function
Media	Moves to the most recently played media screen.
Play Track 1~30	If a music CD has been inserted, plays the corresponding track.
CD	Plays the music saved in the CD.
Search CD	Moves to the CD track or file selection screen. • For audio CDs, move to the screen and say the track number to play the corresponding track. • Moves to MP3 CD file selection screen. After manually operate the device to select and play music.
USB	Plays USB music.
Search USB	Moves to USB file selection screen. After manually operate the device to select and play music.
iPod	Plays iPod music.
Search iPod	Moves to the iPod file selection screen. After, manually operate the device to select and play music.
My Music	Plays the music saved in My Music.
Search My Music	Moves to My Music file selection screen. After manually operate the device to select and play music.

Command	Function
AUX (Auxiliary)	Plays the connected external device.
Bluetooth Audio	Plays the music saved in connected *Bluetooth®* Wireless Technology device.
Mute	Mutes the radio or music volume.
Pardon?	Repeats the most recent comment.
Cancel (Exit)	Ends voice command.

• FM/AM radio commands: Commands that can be used while listening to FM, AM radio.

Command	Function
Preset 1~6	Plays the broadcast saved in Preset 1~6.
Auto Store	Automatically selects radio broadcast frequencies with superior reception and saves in Presets 1~6.
Preset Save 1~6	Saves the current broadcast frequency to Preset 1~6.
Seek up	Plays the next receivable broadcast.
Seek down	Plays the previous receivable broadcast.
Next Preset	Selects the preset number next to the most recently selected preset. (Example: When currently listening to preset no. 3, then preset no. 4 will be selected.)
Previous Preset	Selects the preset number previous to the most recently selected preset. (Example: When currently listening to preset no. 3, then preset no. 2 will be selected.)
Scan	Scans receivable frequencies from the current broadcast and plays for 10 seconds each.
Preset Scan	Moves to the next preset from the current present and plays for 10 seconds each.
AF on	Enable Alternative Frequency feature
AF off	Disable Alternative Frequency feature
Region	Enable Region feature

• Audio CD commands: Commands that can be used while listening to Audio CD.

Command	Function
Region off	Disable Region feature
Program Type	Moves to the RDS Program type selection screen. After, manually operate the device to select a desired program type.
Random	Randomly plays the tracks within the CD.
Random Off	Cancels random play to play tracks in sequential order.
Repeat	Repeats the current track.
Repeat Off	Cancels repeat play to play tracks in sequential order.
Next Track	Plays the next track.
Previous Track	Plays the previous track.
Scan	Scans the tracks from the next track for 10 seconds each.
Track 1~30	Plays the desired track number.
Search Track	Moves to the track selection screen. After, say the track name to play the corresponding track.
Information	Displays the information screen of the current track.

• MP3 CD / USB commands: Commands that can be used while listening to music files saved in CD and USB.

Command	Function
Random	Randomly plays the files within the current folder.
All Random	Randomly plays all saved files.
Random Off	Cancels random play to play files in sequential order.
Repeat	Repeats the current file.
Folder Repeat	Repeats all files in the current folder.
Repeat Off	Cancels repeat play to play files in sequential order.
Next File	Plays the next file.
Previous File	Plays the previous file.
Scan	Scans the files from the next files for 10 seconds each.
Search File	Moves to the file selection screen.
Search Folder	Moves to the folder selection screen.
Information	Displays the information screen of the current file.
Copy	Copies the current file into My Music.

• iPod Commands: Commands that can be used while playing iPod.

Command	Function
All Random	Randomly plays all saved songs.
Random	Randomly plays the songs within the current category.
Random Off	Cancels random play to play songs in sequential order.
Repeat	Repeats the current song.
Repeat Off	Cancels repeat play to play songs in sequential order.
Next Song	Plays the next song.
Previous Song	Plays the previous song.
Search Song	Moves to the song selection screen.
Information	Displays the information screen of the current song.

• My Music Commands: Commands that can be used while playing My Music.

Command	Function
Random	Randomly plays all saved files.
Random Off	Cancels random play to play files in sequential order.
Repeat	Repeats the current file.
Repeat Off	Cancels repeat play to play files in sequential order.
Next File	Plays the next file.
Previous File	Plays the previous file.
Scan	Scans the files from the next files for 10 seconds each.
Search File	Moves to the file selection screen.
Information	Displays the information screen of the current file.
Delete	Deletes the current file. You will bypass an additional confirmation process.
Delete All	Deletes all files saved in My Music. You will bypass an additional confirmation process.

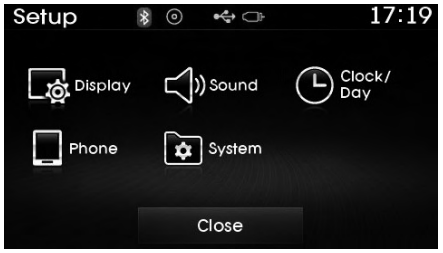
• *Bluetooth®* Wireless Technology Audio Commands: Commands that can be used while playing Phone Music.

Command	Function
Play	Plays the currently paused song.
Pause	Pauses the current song.

SETUP
(for RDS, *Bluetooth®* Wireless Technology equipped model)
- AM904DMEE, AM914DMEE

Starting Mode

Press the SETUP key to display the Setup screen.

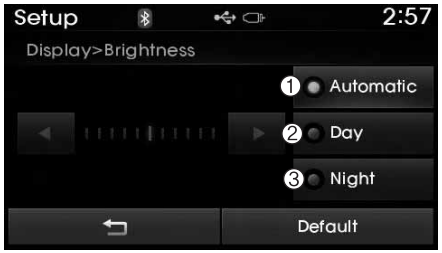


You can select and control options related to [Display], [Sound], [Clock/Day], [Phone] and [System].

Display Settings

Adjusting the Brightness

Press the SETUP key ▸ Select [Display] ▸ Select [Brightness]



Use the ◀, ▶ buttons to adjust the screen brightness or set the Brightness on Automatic, Day, or Night mode.

Press the Default button to reset.

1) Automatic : Adjusts the brightness automatically
2) Day : Always maintains the brightness on high
3) Night : Always maintains the brightness on low

Pop-up Mode

Press the SETUP key ▸ Select [Display] ▸ Select [Pop-up Mode]

This feature is used to display the Pop-up Mode screen when entering radio and media modes.

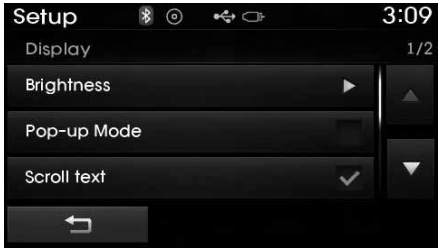
When this feature is turned on, pressing the RADIO or MEDIA key will display the Pop-up Mode screen.

✻ NOTICE

The media Pop-up Mode screen can be displayed only when two or more media modes have been connected.

Scroll Text

Press the SETUP key▸Select [Display]▸Select [Scroll text]



This feature is used to scroll text displayed on the screen when it is too long to be displayed at once.

When turned on, the text is repeatedly scrolled. When turned off, the text is scrolled just once.

MP3 Information Display

Press the SETUP key▸Select [Display]▸Select [Song Info]

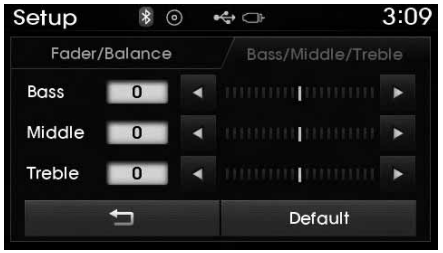
This feature is used to change the information displayed within USB and MP3 CD modes.

1) Folder File : Displays file name and folder name
2) Album Artist Song : Displays album name/artist name/song

Sound Settings

Sound Settings

Press the SETUP key ▸ Select [Sound] ▸ Select [Audio Setting]



Use the ◀, ▶, ▲, ▼ buttons to adjust the Fader/Balance settings.

Use the ◀, ▶ buttons to adjust the Bass/Middle/Treble settings.

Press the Default button to reset.

Virtual Sound

Press the SETUP key ▸ Select [Sound] ▸ Select [Virtual Sound]

This feature is used to set the Power Bass, Power Treble and Surround sound options.

SDVC (Speed Dependent Volume Control)

Press the SETUP key ▸ Select [Sound] ▸ Select [Speed Dependent Vol.]

The volume level is controlled automatically according to the vehicle speed. SDVC can be set by selecting from Off/Low/Mid/High.

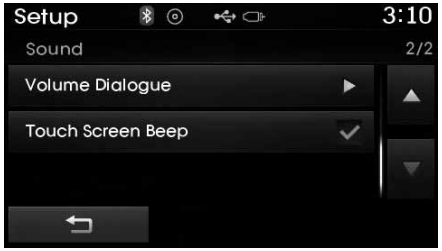
Voice Recognition Setting

Press the SETUP key ▸ Select [Sound] ▸ Select [Volume Dialogue]

Use the -, + buttons to adjust the Volume Dialog.

Touch Screen Beep

Press the SETUP key ▸ Select [Sound] ▸ Select [Touch Screen Beep]



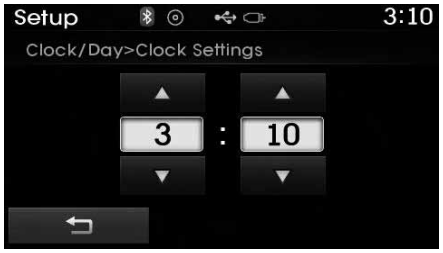
This feature is used to turn the touch screen beep on/off.

Clock/Day Setting

Clock Setting

Press the SETUP key ▸ Select [Clock/Day] ▸ Select [Clock Settings]

Use the ▲, ▼ buttons to set the Hour, Minutes and AM/PM setting.

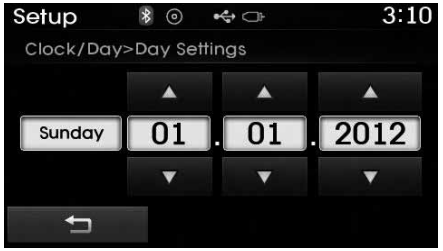


✻ NOTICE

Press and hold the CLOCK key (over 0.8 seconds) to display the Clock/Day screen.

Calendar Setting

Press the SETUP key▸Select [Clock/Day]▸Select [Day Settings]



Use the ▲, ▼ buttons to set the Day, Month and Year setting.

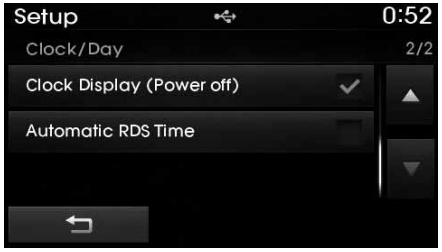
Time Format

Press the SETUP key▸Select [Clock/Day]▸Select [Time Format]

This feature is used to change the clock format between 12hr or 24hr.

Clock Display

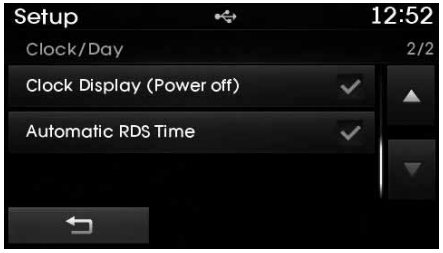
Press the SETUP key▸Select [Clock/Day]▸Select [Clock Display (Power off)]



This feature is used to display a clock on the screen when the audio system is turned off.

Automatic RDS Time

Press the SETUP key▸Select [Clock/Day]▸Select [Automatic RDS Time]

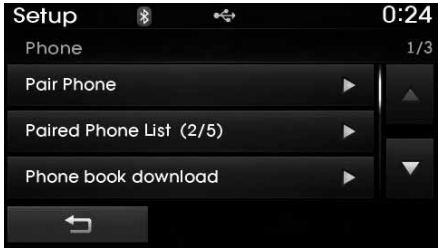


This feature is used to set time automatically by synchronizing with RDS.

Bluetooth® Wireless Technology Setting

Pairing a New Device

Press the SETUP key ▸ Select [Phone] ▸ Select [Pair Phone]



Bluetooth® Wireless Technology devices can be paired with the audio system.

For more information, refer to the “Pairing through Phone Setup” section within *Bluetooth®* Wireless Technology.

Viewing Paired Phone List

Press the SETUP key ▸ Select [Phone] ▸ Select [Paired Phone List]

This feature is used to view mobile phones that have been paired with the audio system. Upon selecting a paired phone, the setup menu is displayed.

For more information, refer to the “Setting *Bluetooth®* Wireless Technology Connection” section within *Bluetooth®* Wireless Technology.

1) : Moves to the previous screen
2) Connect/Disconnect Phone : Connect/disconnects currently selected phone
3) Delete : Deletes the currently selected phone
4) Change Priority : Sets currently selected phone to highest connection priority

✻ NOTICE BEFORE DOWNLOADING PHONE BOOKS

- **Only phone books within connected phones can be downloaded. Also check to see that your mobile phone supports the download feature.**
- **To learn more about whether your mobile phone supports phone book downloads, refer to your mobile phone user’s manual.**
- **The Phone book for only the connected phone can be downloaded. Before downloading, check to see whether your phone supports the download feature.**

Downloading Phone books

Press the SETUP key ▸ Select [Phone] ▸ Select [Phone book Download]

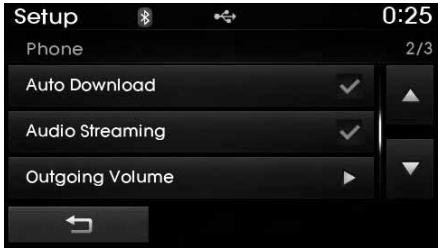
The Phone book is downloaded from the mobile phone and the download progress is displayed.

✻ NOTICE

- **Up to 1,000 phone book entries can be copied into car phone book.**
- **Up to 1,000 phone book entries can be saved for each paired device.**
- **Upon downloading phone book data, previously saved phone book data will be deleted. However, Phone book entries saved to other paired phones are not deleted.**

Auto Download (Phone Book)

Press the SETUP key ▸ Select [Phone] ▸ Select [Auto Download]



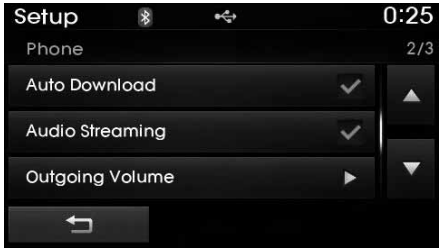
This feature is used to automatically download mobile phone book entries once a *Bluetooth®* Wireless Technology phone is connected.

✻ NOTICE

- **The Auto Download feature will download mobile phone book entries every time the phone is connected. The download time may differ depending on the number of saved phone book entries and the communication state.**
- **When downloading a phone book, first check to see that your mobile phone supports the phone book download feature.**

Audio Streaming

Press the SETUP key ▸ Select [Phone] ▸ Select [Audio Streaming]



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

Outgoing Volume

Press the SETUP key ▸ Select [Phone] ▸ Select [Outgoing Volume]

Use the −, + buttons to adjust the outgoing volume level.

Turning Bluetooth System Off

Press the SETUP key ▸ Select [Phone] ▸ Select [Bluetooth System Off]

Once *Bluetooth®* Wireless Technology is turned off, *Bluetooth®* Wireless Technology related features will not be supported within the audio system.

✻ NOTICE

To turn *Bluetooth®* Wireless Technology back on, go to SETUP ▸ [Phone] and press "Yes".

⚠ CAUTION

- ***Bluetooth®* Wireless Technology *audio streaming may not be supported in some Bluetooth®* Wireless Technology *phones.***

System Setting

Memory Information

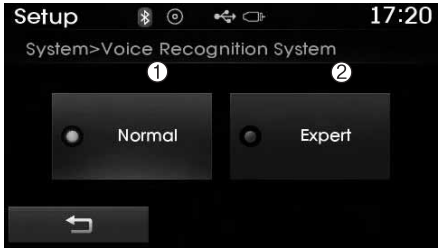
Press the SETUP key ▸ Select [System] ▸ Select [Memory Information]

This feature displays information related to system memory.

1) Using : Displays capacity currently in use
2) Capacity : Displays total capacity

Voice Recognition Mode Setting (if equipped)

Press the SETUP key ▸ Select [System] ▸ Select [Voice Recognition System]



This feature is used to select the desired prompt feedback option from Normal and Expert.

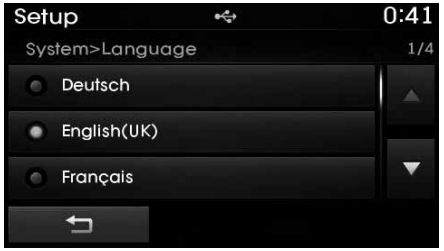
1) Normal : When using voice recognition, provides detailed guidance prompts
2) Expert : When using voice recognition, omits some guidance prompts

✻ NOTICE

- **Voice Recognition is depend on the Audio System.**

Language

Press the SETUP key ▸ Select [System] ▸ Select [Language]



This feature is used to change the system and voice recognition language.

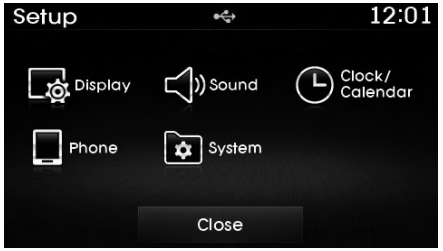
If the language is changed, the system will restart and apply the selected language.

SETUP
(for *Bluetooth®* Wireless Technology equipped model)

-AM900DMMG, AM910DMMG, AM911DMMG, AM901DMGG, AM910DMEE, AM911DMEE, AM910DMGL, AM900DMMN, AM910DMMN, AM912DMEE, AM911DMGL

Starting Mode

Press the SETUP key to display the Setup screen.



You can select and control options related to [Display], [Sound], [Clock/Calendar], [Phone] and [System].

Display Settings

Adjusting the Brightness

Press the SETUP key ▸ Select [Display] ▸ Select [Brightness]

Use the ◀, ▶ buttons to adjust the screen brightness or set the Brightness on Automatic, Daylight, or Night mode.

Press the Default button to reset.

1) Automatic : Adjusts the brightness automatically
2) Daylight : Always maintains the brightness on high
3) Night : Always maintains the brightness on low

Pop-up Mode

Press the SETUP key ▸ Select [Display] ▸ Select [Mode Pop up]

This feature is used to display the Pop-up Mode screen when entering radio and media modes.

When this feature is turned on, pressing the RADIO or MEDIA key will display the Pop-up Mode screen.

✻ NOTICE

The media Pop-up Mode screen can be displayed only when two or more media modes have been connected.

Text Scroll

Press the SETUP key▸Select [Display]▸Select [Text Scroll]

This feature is used to scroll text displayed on the screen when it is too long to be displayed at once.

When turned on, the text is repeatedly scrolled. When turned off, the text is scrolled just once.

MP3 Information Display

Press the SETUP key▸Select [Display]▸Select [Media Display]

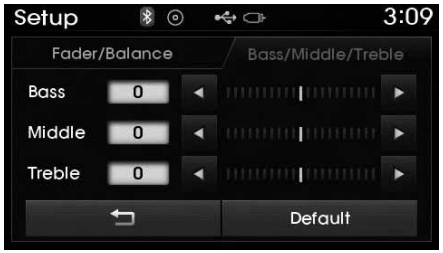
This feature is used to change the information displayed within USB and MP3 CD modes.

1) Folder File : Displays file name and folder name
2) Album Artist Song : Displays album name/artist name/song

Sound Settings

Sound Settings

Press the SETUP key▸Select [Sound]▸Select [Sound Setting]



Use the ◀, ▶, ▲, ▼ buttons to adjust the Fader/Balance settings.

Use the ◀, ▶ buttons to adjust the Bass/Middle/Treble settings.

Press the Default button to reset.

Virtual Sound

Press the SETUP key ▸ Select [Sound] ▸ Select [Virtual Sound]

This feature is used to set the Power Bass, Power Treble and Surround sound options.

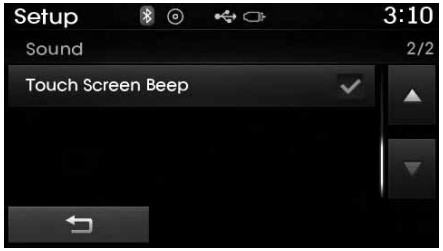
SDVC (Speed Dependent Volume Control)

Press the SETUP key ▸ Select [Sound] ▸ Select [Speed Dependent Vol.]

The volume level is controlled automatically according to the vehicle speed. SDVC can be set by selecting from Off/Low/Mid/High.

Touch Screen Beep

Press the SETUP key ▸ Select [Sound] ▸ Select [Touch Screen Beep]



This feature is used to turn the touch screen beep on/off.

Clock/Calendar Setting

Clock Setting

Press the SETUP key ▸ Select [Clock/Calendar] ▸ Select [Clock Settings]

Use the ▲, ▼ buttons to set the Hour, Minutes and AM/PM setting.

✻ NOTICE

Press and hold the CLOCK key (over 0.8 seconds) to set the Clock/Calendar screen.

Calendar Setting

Press the SETUP key ▸ Select [Clock/Calendar] ▸ Select [Calendar Settings]

Use the ▲, ▼ buttons to set the Day, Month and Year setting.

Clock Display

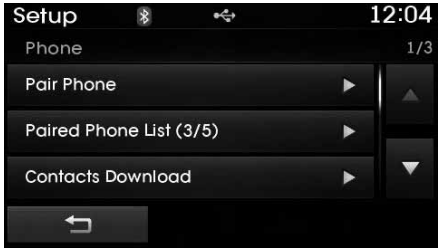
Press the SETUP key ▸ Select [Clock/Calendar] ▸ Select [Clock Display (Power off)]

This feature is used to display a clock on the screen when the audio system is turned off.

Bluetooth® Wireless Technology Setting

Pairing a New Device

Press the SETUP key ▸ Select [Phone] ▸ Select [Pair Phone]



Bluetooth® Wireless Technology devices can be paired with the audio system.

For more information, refer to the “Pairing through Phone Setup” section within *Bluetooth®* Wireless Technology.

Viewing Paired Phone List

Press the SETUP key ▸ Select [Phone] ▸ Select [Paired Phone List]

This feature is used to view mobile phones that have been paired with the audio system. Upon selecting a paired phone, the setup menu is displayed.

For more information, refer to the “Setting *Bluetooth®* Wireless Technology Connection” section within *Bluetooth®* Wireless Technology.

1) : Moves to the previous screen
2) Connect/Disconnect Phone : Connect/disconnects currently selected phone
3) Delete : Deletes the currently selected phone
4) Change Priority : Sets currently selected phone to highest connection priority

✻ NOTICE BEFORE DOWNLOADING CONTACTS

- **Only contacts within connected phones can be downloaded. Also check to see that your mobile phone supports the download feature.**
- **To learn more about whether your mobile phone supports contacts downloads, refer to your mobile phone user’s manual.**
- **The contacts for only the connected phone can be downloaded. Before downloading, check to see whether your phone supports the download feature.**

Downloading Contacts

Press the SETUP key ▸ Select [Phone] ▸ Select [Contacts Download]

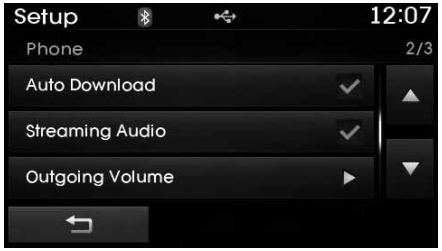
The contacts is downloaded from the mobile phone and the download progress is displayed.

✻ NOTICE

- **Up to 1,000 contacts entries can be copied into car contacts.**
- **Up to 1,000 contacts entries can be saved for each paired device.**
- **Upon downloading contacts data, previously saved contacts data will be deleted. However, contacts entries saved to other paired phones are not deleted.**

Auto Download (Contacts)

Press the SETUP key ▸ Select [Phone] ▸ Select [Auto Download]



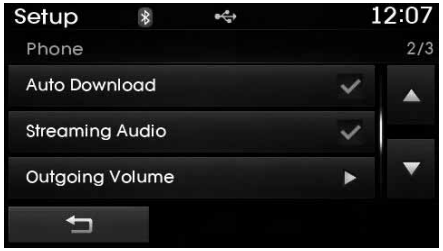
This feature is used to automatically download mobile contacts entries once a *Bluetooth®* Wireless Technology phone is connected.

✻ NOTICE

- **The Auto Download feature will download mobile contacts entries every time the phone is connected. The download time may differ depending on the number of saved contacts entries and the communication state.**
- **When downloading a contacts, first check to see that your mobile phone supports the contacts download feature.**

Streaming Audio

Press the SETUP key ▸ Select [Phone] ▸ Select [Streaming Audio]



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

Outgoing Volume

Press the SETUP key ▸ Select [Phone] ▸ Select [Outgoing Volume]

Use the –, + buttons to adjust the outgoing volume level.

Turning Bluetooth System Off

Press the SETUP key ▸ Select [Phone] ▸ Select [Bluetooth System Off]

Once *Bluetooth®* Wireless Technology is turned off, *Bluetooth®* Wireless Technology related features will not be supported within the audio system.

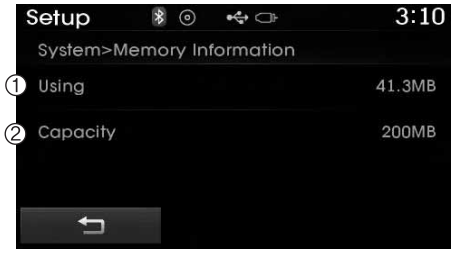
✻ NOTICE

To turn *Bluetooth®* Wireless Technology back on, go to SETUP ▸ [Phone] and press "Yes".

System Setting

Memory Information

Press the SETUP key ▸ Select [System] ▸ Select [Memory Information]



This feature displays information related to system memory.

1) Using : Displays capacity currently in use
2) Capacity : Displays total capacity

Language

Press the SETUP key ▸ Select [System] ▸ Select [Language]

This feature is used to change the system and voice recognition language.

If the language is changed, the system will restart and apply the selected language.

REAR VIEW CAMERA (if equipped)

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

⚠ CAUTION

- ***The rear view camera has been equipped with an optical lens to provide a wider range of vision and may appear different from the actual distance. For safety, directly check the rear and left/right sides.***

APPENDIX

Name		Description
12hr		12 HOUR
24hr		24 HOUR
AST(A.Store)		AUTO STORE
AMA		AM RADIO (AUTO STORE)
FMA		FM RADIO (AUTO STORE)
AUX		External Audio mode
BASS		BASS
TREBLE		TREBLE
BT		Bluetooth
PRESET		PRESET
RDS Search		Radio Data System Search
TA		Traffic Announcement
Radio		Radio
FM/AM/USB		FM/AM/USB
Max		MAXIMUM
Min		minimum
Low		Low
Mid		Middle
On		On
Off		Off
PowerBass		PowerBass
Setting		Setting
OK		OK
MENU		MENU
PowerTreble		PowerTreble

Name		Description
SDVC		Speed Dependent VolumeControl
Setup		Setup
Service Following		Service Following
CURRENT		CURRENT
Current/Total		Current/Total
DEVICE NAME		DEVICE NAME
NAME		NAME
NAME HERE		NAME HERE
NUMBER		NUMBER
PHONE NAME		PHONE NAME
Received Date		Received Date
Received Message		Received Message
Received Time		Received Time
TIME		TIME
AST		AUTO STORE
AM		AM RADIO
CD		COMPACT DISC
FM		FM RADIO(AUTO STORE)
L=R		LEFT=RIGHT
Middle		Middle
My Music		My Music
Track		Track
USB		USB

APPENDIX

Name		Description
Phone		Phone
Engineering Mode		Engineering Mode
SEEK		SEEK
Icon		Icon

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.

IC warning
Operation is subject to the following 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 provoquer de brouillage, et (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.