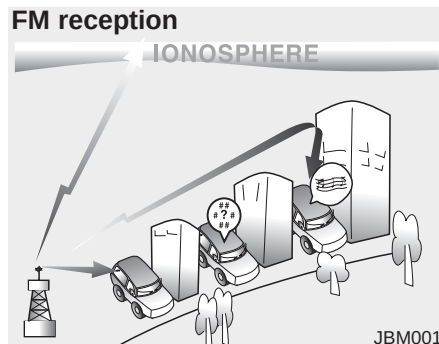


Multimedia System AC110E6GG

AUDIO SYSTEM	4-2	USB MODE	4-58
HOW VEHICLE AUDIO WORKS	4-2	iPod® MODE	4-61
CARING FOR DISC	4-4	AUX MODE	4-64
SYSTEM CONTROLLERS AND FUNCTIONS		MY MUSIC MODE	4-65
- 3.8 INCH MONO TFT	4-16	Bluetooth® Wireless Technology AUDIO MODE	4-68
Audio Head Unit (For RDS model)	4-16	USING <i>Bluetooth®</i> Wireless Technology	4-75
Audio Head Unit (For Bluetooth equipped model)	4-18	USING <i>Bluetooth®</i> Wireless Technology	4-83
Audio Head Unit	4-20	VOICE RECOGNITION	4-87
SETUP (for RDS model)	4-21	ENDING VOICE RECOGNITION	4-88
System Settings	4-23	SETUP (FOR RDS, <i>BLUETOOTH®</i> WIRELESS	
SETUP	4-24	TECHNOLOGY EQUIPPED MODEL)	4-95
RADIO (FOR RDS MODEL) :FM, AM	4-31	SETUP (for <i>Bluetooth®</i> Wireless	
RADIO : FM, AM	4-33	Technology equipped model)	4-102
Making a call using the Steering wheel remote		REAR VIEW CAMERA (if equipped)	4-108
controller	4-38		
SYSTEM CONTROLLERS AND FUNCTIONS			
- 4.3 INCH COLOR TFT LCD	4-42		
Audio Head Unit (For RDS model)	4-42		
Audio Head Unit	4-43		
Steering-wheel mounted controls	4-44		
RADIO MODE (FOR RDS MODEL)	4-46		
RADIO MODE	4-49		
MEDIA MODE	4-51		
AUDIO CD MODE	4-52		
MP3 CD MODE	4-55		

Multimedia System

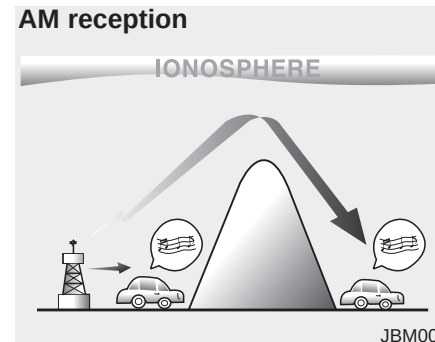
How vehicle audio works



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 processed by the radio and sent to your vehicle speakers.

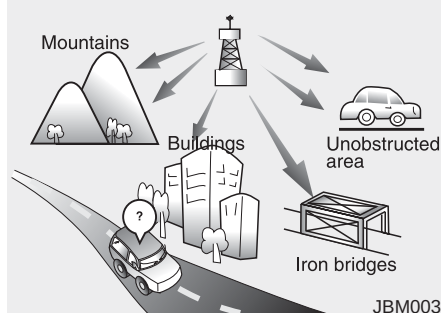
When a strong radio signal has reached your vehicle, the precise engineering of your audio system ensures the best possible quality reproduction. However, in some cases the signal coming to your vehicle may not be strong and clear.

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.

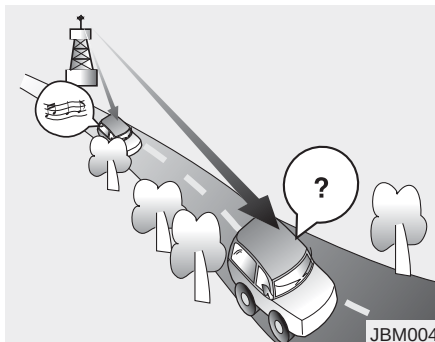


AM broadcasts can be received at greater distances than FM broadcasts. This is because AM radio waves are transmitted at low frequencies. These long distance, low frequency radio waves can follow the curvature of the earth rather than travelling straight. In addition, they curve around obstructions resulting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

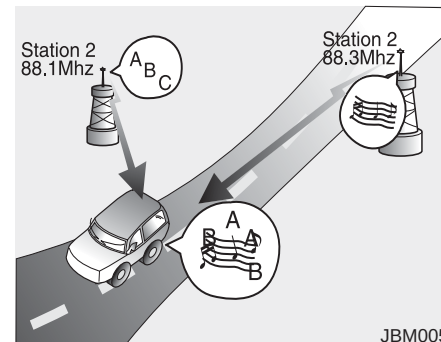
FM radio station



FM broadcasts are transmitted at high frequencies and do not bend to follow the earth's surface. Because of this, FM broadcasts generally begin to fade within short distances from the station. Also, FM signals are easily affected by buildings, mountains, and obstructions. This can lead to undesirable or unpleasant 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 an 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.

Multimedia System

Caring for disc

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

- Depending on the type of CD-R/CD-RW CDs, certain CDs may not operate normally according to the manufacturing companies. In such circumstances, continued use may cause malfunctions to your audio system.

* NOTICE - Playing an Incompatible Copy Protected Audio CD

Some copy protected CDs, which do not comply with international audio CD standards (Red Book), may not play on your car audio. Please note that inability to properly play a copy protected CD may indicate that the CD is defective, not the CD player.

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	MPEG2	MPEG2.5	WMA
	Layer3	Layer3	Layer3	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

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

3. 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.

Multimedia System

• 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.

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, try to operate mobile devices as far from the audio equipment as possible.

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.

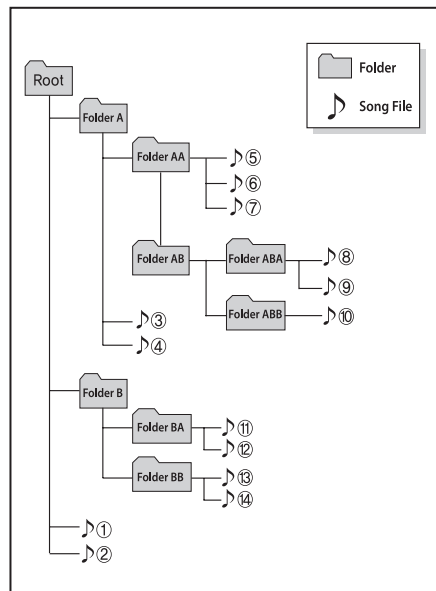
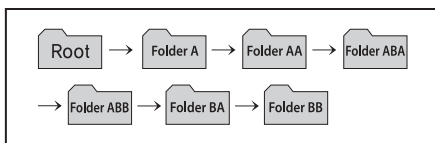
NOTE:

Order of playing files (folders) :

1. Song playing order : ① to ⑭

2. Folder playing order :

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



Multimedia System

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.

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.)

(Continued)

CAUTION

(Continued)

- 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.
- Prevent caustic solutions such as perfume and cosmetic oil from contacting the dashboard because they may cause damage or discoloration.

*** 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.

(Continued)

(Continued)

- Clean fingerprints and dust off the disc surface (coated side) with a soft cloth.
- 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.)

(Continued)

(Continued)

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

Multimedia System

* 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.

(Continued)

(Continued)

- Some USB devices may not be supported due to compatibility issues.
- 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.

(Continued)

(Continued)

- 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.
- 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.

(Continued)

- Charging through the USB may not work for some mobile devices.
- The device may not support normal operation when using a USB memory type besides (Metal Cover Type) USB Memory.
- The device may not support normal operation when using formats such as HDD Type, CF, or SD Memory.
- The device will not support files locked by DRM (Digital Rights Management.)
- USB memory sticks used by connecting an Adaptor (SD Type or CF Type) may not be properly recognized.
- 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)

(Continued)

(Continued)

- 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.



* 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.

(Continued)

Multimedia System

(Continued)

- 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.

(Continued)

(Continued)

- 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).
- iPod mode cannot be operated when the iPod® cannot be recognized due to versions that do not support communication protocols.
- 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)

(Continued)

(Continued)

- Some iPod®s 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.)

*** NOTICE- Using the AUX device**

- 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.

Multimedia System

* NOTICE - Before using the *Bluetooth*® handsfree

What is Bluetooth® ?

- *Bluetooth*® refers to a short-distance wireless networking technology which uses a 2.4GHz ~ 2.48GHz frequency to connect various devices within a certain distance.
- Supported within PCs, external devices, *Bluetooth*® phones, PDAs, various electronic devices, and automotive environments, *Bluetooth*® allows data to be transmitted at high speeds without having to use a connector cable.
- *Bluetooth*® Handsfree refers to a device which allows the user to conveniently make phone calls with *Bluetooth*® mobile phones through the audio system.
- *Bluetooth*® Handsfree may not be supported in some mobile phones. To learn more about mobile device compatibility.

* NOTICE - Precautions for safe driving

- *Bluetooth*® Handsfree is a feature that enables drivers to practice safe driving. Connecting the head unit with a *Bluetooth*® phone allows the user to conveniently make and receive calls and use contacts. Before using *Bluetooth*®, carefully read the contents of this user's manual.
- Excessive use or operations while driving may lead to negligent driving practices and result in accidents. Refrain from excessive operations 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 - When connecting a *Bluetooth*® phone

- Before connecting the head unit with the mobile phone, check to see that the mobile phone supports *Bluetooth*® features.
- Even if the phone supports *Bluetooth*®, the phone will not be found during device searches if the phone has been set to hidden state or the *Bluetooth*® power is turned off. Disable the hidden state or turn on the *Bluetooth*® power prior to searching/connecting with the Head unit.
- Bluetooth phone is automatically connected when the ignition on.
- If you do not want automatic connection with your *Bluetooth*® device, turn off the *Bluetooth*® feature within your mobile phone.
- The Handsfree call volume and quality may differ depending on the mobile phone.

(Continued)

(Continued)

- Park the vehicle when connecting the head unit with the mobile phone.
- *Bluetooth*® connection may become intermittently disconnected in some mobile phones. Follow these steps to try again.
 1. Within the mobile phone, turn the *Bluetooth*® function 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.
- Handsfree call quality and volume may differ depending on the model of your mobile phone.

Multimedia System

SYSTEM CONTROLLERS AND FUNCTIONS

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

Audio Head Unit (For RDS model)



Name	Description
① ▲	Ejects the disc.
② FM	- Changes to FM mode. - Each time the key is pressed, the mode changed in order of FM1 → FM2.
③ AM	- Changes to AM mode. - Each time the key is pressed, the mode changed in order of AM.

Name	Description
④ MEDIA	- Each time the key is pressed, the mode is changed in order of CD, USB, iPod®, AUX, My Music modes. * In Setup>Display, the media pop up screen will be displayed when [Mode Pop up] is turned (On). - When the pop up screen is displayed, use the ○ TUNE knob or keys 1 ~ 4 to select the desired mode.
⑤ SEEK TRACK	- Radio Mode : Automatically searches for broadcast frequencies. - CD, USB, iPod®, My Music modes : - Shortly press the key : Moves to next or previous song(file) - Press and hold the key : Rewinds or fast-forwards the current song(file)
⑥ ○ PWR/VOL knob	○ Power Knob : Turns power On/Off by pressing the knob ○ Volume Knob : Sets volume by turning the knob left/right
⑦ 1 ~ 6 (Preset)	- Radio Mode : Saves frequencies (channels) or receives saved frequencies (channels) - CD, USB, iPod®, My Music mode 1 : Repeat 2 : Random

Audio Head Unit (For RDS model)



Name	Description
⑧ DISP	- Each time the button is shortly pressed, it sets the screen Off → Screen On → Screen Off * Audio operation is maintained and only the screen will be turned Off. In the screen Off state, press any key to turn the screen On again.
⑨ TA	Set TA(Traffic Announcement) feature On/Off.
⑩ SETUP	Shortly press the key : Moves to the Display, Sound, System setting modes
⑪ MENU	Displays menus for the current mode.
⑫ ↙FOLDER↗	- MP3, CD, USB mode : Folder Search * May differ depending on the selected audio
⑬ ● TUNE knob	- Radio mode : Changes frequency by turning the knob left/right - CD, USB, iPod mode: Searches songs (files) by turning the knob left/right * When the desired song is displayed, press the knob to play the song.

Multimedia System

Audio Head Unit (For Bluetooth equipped model)



Name	Description
①	Ejects the disc.
② RADIO	- Convert to Radio mode. - Each time the key is pressed, the mode is changed in order of FM1, FM2, AM.

Name	Description
③ MEDIA	- Each time the key is pressed, the mode is changed in order of CD, USB, iPod®, AUX, My Music, BT Audio modes. * In Setup>Display, the media pop up screen will be displayed when [Mode Pop up] is turned On. When the pop up screen is displayed, use the TUNE knob or keys 1 ~ 5 to select the desired mode.
④ PHONE	(for <i>Bluetooth</i>® Wireless Technology equipped model) - Converts to Phone mode * When a phone is not connected, the connection screen is displayed.
⑤	- Radio Mode : Automatically searches for broadcast frequencies. - CD, USB, iPod®, My Music modes : - Shortly press the key : Moves to next or previous song(file) - Press and hold the key : Rewinds or fast-forwards the current song(file)
⑥ POWER/VOLUME knob	- Power Knob : Turns power On/Off by pressing the knob - Volume Knob : Sets volume by turning the knob left/right
⑦ 1 ~ 6 (Preset)	- Radio Mode : Saves frequencies (channels) or receives saved frequencies (channels) - CD, USB, iPod, My Music mode 1 : Repeat 2 : Random



Name	Description
⑧ DISP	• Each time the button is shortly pressed, it sets the screen Off → Screen On → Screen Off * Audio operation is maintained and only the screen will be turned Off. In the screen Off state, press any key to turn the screen On again.

Name	Description
⑨ SCAN	• Radio Mode - Shortly press the key : Previews each broadcast for 5 seconds each - Press and hold the key : Previews the broadcasts saved in Preset for 5 seconds each. * Press the SCAN key again to continue listening to the current frequency. • CD, USB mode - Shortly press the key : Previews each song (file) for 10 seconds each * Press the SCAN key again to continue listening to the current song (file).
⑩ SETUP	• Shortly press the key : Moves to the Display, Sound, Phone, System setting modes
⑪ MENU	• Displays menus for the current mode.
⑫ ∇ FOLDER ∨	• MP3, CD, USB mode : Folder Search * May differ depending on the selected audio
⑬ TUNE knob	• Radio mode : Changes frequency by turning the knob left/right • CD, USB, iPod mode: Searches songs (files) by turning the knob left/right * When the desired song is displayed, press the knob to play the song.

Multimedia System

Audio Head Unit



Name	Description
① EJECT	Ejects the disc.
② FM	- Changes to FM mode. - Each time the key is pressed, the mode changed in order of FM1 → FM2.
③ AM	- Changes to AM mode. - Each time the key is pressed, the mode changed in order of AM.

Name	Description
④ MEDIA	- Each time the key is pressed, the mode is changed in order of CD, USB, iPod®, AUX, My Music modes. ※ In Setup>Display, the media pop up screen will be displayed when [Mode Pop up] is turned On. When the pop up screen is displayed, use the TUNE knob or keys 1 ~ 4 to select the desired mode.
⑤ SEEK TRACK	- Radio Mode : Automatically searches for broadcast frequencies. - CD, USB, iPod®, My Music modes : - Shortly press the key : Moves to next or previous song(file) - Press and hold the key : Rewinds or fast-forwards the current song(file)
⑥ PWR/VOL knob	Power Knob : Turns power On/Off by pressing the knob Volume Knob : Sets volume by turning the knob left/right
⑦ 1 ~ 6 (Preset)	- Radio Mode : Saves frequencies (channels) or receives saved frequencies (channels) - CD, USB, iPod®, My Music mode 1 : Repeat 2 : Random

SETUP(for RDS model)

Display Settings

Press the **SETUP** key ▶ Select [Display]



Mode Pop up

[Mode Pop up] ▶ Changes ☐ On.

- During On state, press the **RADIO** or **MEDIA** key to display the mode change pop up screen.

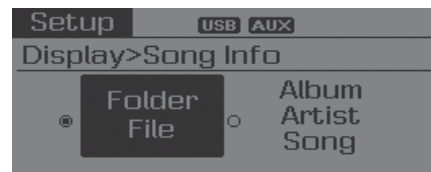
Scroll text

[Scroll text] ▶ Set ☐ On / ☐ Off

- ☐ On : Maintains scroll
- ☐ Off : Scrolls only one (1) time.

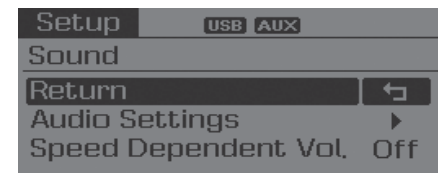
Song Info

When playing an MP3 file, select the desired display info from 'Folder/File' or 'Album/Artist/Song'.



Sound Settings

Press the **SETUP** key ▶ Select [Sound]



Multimedia System

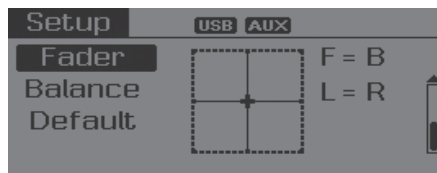
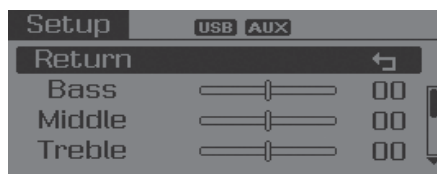
Audio Settings

This menu allows you to set the 'Bass, Middle, Treble' and the Sound Fader and Balance.

Select [Audio Settings] ▶ Select menu through  TUNE knob ▶

Turn  TUNE knob left/right to set

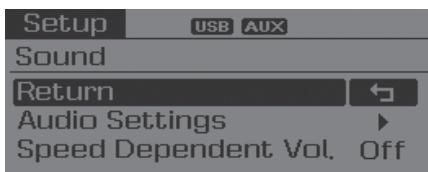
- Bass, Middle, Treble : Selects the sound tone.
- Fader, Balance : Moves the sound fader and balance.
- Default : Restores default settings.
- * Return : While adjusting values, repressing the  TUNE knob will restore the parent menu.



Speed Dependent Volume Control

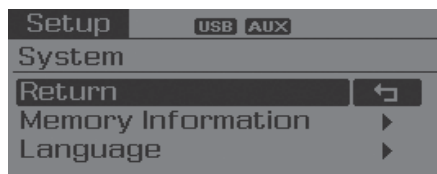
This feature is used to automatically control the volume level according to the speed of the vehicle.

Select [Speed Dependent Vol.] ▶ Turn SDVC On/Off by pressing the  TUNE knob



System Settings

Press the **SETUP** key ▶ Select [System]



Memory Information (if equipped)

Displays currently used memory and total system memory.

Select [Memory Information] ▶ OK

The currently used memory is displayed on the left side while the total system memory is displayed on the right side.



※ May differ depending on the selected audio.

Language

This menu is used to set the display and voice recognition language.

Select [Language] ▶ Set through TUNE knob



※ The system will reboot after the language is changed.

※ Language support by region

- Deutsch, English(UK), Français, Italiano, Español, Nederlands, Svenska, Dansk, Русский, Polski, Türkçe

Multimedia System

SETUP

Display Settings

Press the **SETUP** key ▶ Select [Display]



Mode Pop up

[Mode Pop up] ▶ Changes ☐ On / ☐ Off selection mode

- During On state, press the **RADIO** or **MEDIA** key to display the mode change pop up screen.

Text Scroll

[Text Scroll] ▶ Set ☐ On / ☐ Off

- ☐ On : Maintains scroll
- ☐ Off : Scrolls only one (1) time.

Media Display

When playing an MP3 file, select the desired display info from 'Folder/File' or 'Album/Artist/Song'.



Sound Settings

Press the **SETUP** key ▶ Select [Sound]



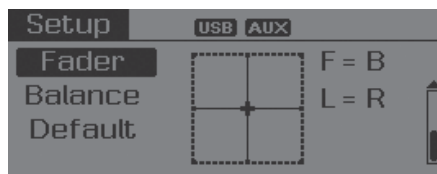
Sound Settings

This menu allows you to set the 'Bass, Middle, Treble' and the Sound Fader and Balance.

Select [Sound Settings] ▶ Select menu through  TUNE knob ▶ Turn  TUNE knob left/right to set

- Bass, Middle, Treble : Selects the sound tone.
- Fader, Balance : Moves the sound fader and balance.
- Default : Restores default settings.

* Back : While adjusting values, pressing the  TUNE knob will restore the parent menu.



Speed Dependent Volume Control

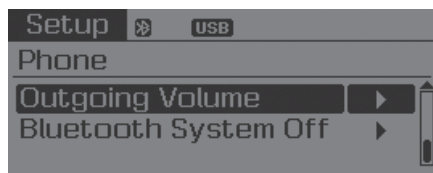
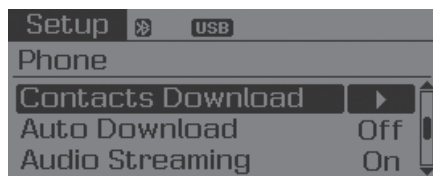
This feature is used to automatically control the volume level according to the speed of the vehicle.

Select Speed Dependent Vol. ▶ Turn SDVC On/Off by pressing the  Tune knob.

Multimedia System

Phone Setup (for Bluetooth® Wireless Technology equipped model)

Press the **SETUP** key ▶ Select [Phone]



Pair Phone



CAUTION

To pair a Bluetooth® Wireless Technology enabled mobile phone, authentication and connection processes are first required. As a result, you cannot pair your mobile phone while driving the vehicle. First park your vehicle before use.

Select [Pair Phone] ▶ Set through
● TUNE knob

① Search for device names as displayed on your mobile phone and connect.

② Input the passkey displayed on the screen. (Passkey : 0000)

* The device name and passkey will be displayed on the screen for up to 3 minutes. If pairing is not completed within the 3 minutes, the mobile phone pairing process will automatically be canceled.

③ Pairing completion is displayed.

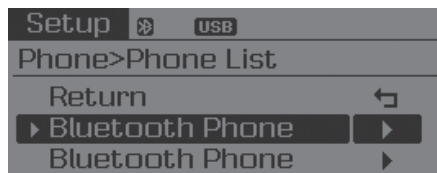
* In some mobile phones, pairing will automatically be followed by connection.

* It is possible to pair up to five Bluetooth® Wireless Technology enabled mobile phones.

Phone List

The names of up to 5 paired phones will be displayed.

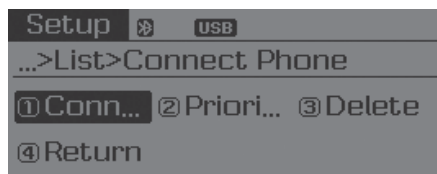
A [▶] is displayed in front of the currently connected phone.



Select the desired name to setup the selected phone.

• Connecting a phone

Select [Phone List]▶Select mobile phone through ● TUNE knob▶Select [Connect Phone]



- ① Select a mobile phone that is not currently connected.
- ② Connect the selected mobile phone.

③ Connection completion is displayed.

* If a phone is already connected, disconnect the currently connected phone and select a new phone to connect.

• Disconnecting a connected phone

Select [Phone List]▶Select mobile phone through ● TUNE knob▶Select [Disconnect Phone]

- ① Select the currently connected mobile phone.



- ② Disconnect the selected mobile phone.
- ③ Disconnection completion is displayed.

• Changing connection sequence (Priority)

This is used to change the order (priority) of automatic connection for the paired mobile phones.

Select [Phone List]▶Select [Priority] through ● TUNE knob▶Select No. 1 Priority mobile phone

- ① Select [Priority].
 - ② From the paired phones, select the phone desired for No.1 priority.
 - ③ The changed priority sequence is displayed.
- * Once the connection sequence (priority) is changed, the new no. 1 priority mobile phone will be connected.
- when the no. 1 priority cannot be connected: Automatically attempts to connect the most recently connected phone.
 - Cases when the most recently connected phone cannot be connected: Attempts to connect in the order in which paired phones are listed.

Multimedia System

• Delete

Select [Phone List] ▶ Select mobile phone through  TUNE knob ▶ Select [Delete]

- ① Select the desired mobile phone.
 - ② Delete the selected mobile phone.
 - ③ Deletion completion is displayed.
- ※ When attempting to delete a currently connected phone, the phone is first disconnected.

CAUTION

- *When you delete a mobile phone, the mobile phone contacts will also be erased.*
- *For stable Bluetooth® Wireless Technology communication, delete the mobile phone from the audio and also delete the audio from your mobile phone.*

Contacts Download

This feature is used to download contacts and call histories into the audio system.

Select [Contacts Download] ▶ Select through  TUNE knob

CAUTION

- *The download feature may not be supported in some mobile phones.*
- *If a different operation is performed while Contacts are being downloaded, downloading will be discontinued. Contacts already downloaded will be saved.*
- *When downloading new Contacts, delete all previously saved Contacts before starting download.*

Auto Download

When connecting a mobile phone, it is possible to automatically download new Contacts and Call Histories.

Select [Auto Download] ▶ Set  /  through  TUNE knob

Audio Streaming

Songs (files) saved in your *Bluetooth®* Wireless Technology enabled mobile phone can be played through the audio system.

Select [Audio Streaming] ▶ Set  /  through  TUNE knob

CAUTION

The Bluetooth® Wireless Technology audio streaming feature may not be supported in some mobile phones.

Outgoing Volume

This is used to set the volume of your voice as heard by the other party while on a *Bluetooth®* Wireless Technology enabled handsfree call.

Select [Outgoing Volume] ▶ Set volume through  TUNE knob

※ Even while on a call, the volume can be changed by using the  key.

Bluetooth® Wireless Technology System Off

This feature is used when you do not wish to use the *Bluetooth®* Wireless Technology system.

Select [Bluetooth System Off] ▶ Set through  TUNE knob

✱ If a phone is already connected, disconnect the currently connected phone and turn the *Bluetooth®* Wireless Technology system off.

Using the Bluetooth® Wireless Technology System

To use *Bluetooth®* Wireless Technology when the system is currently off, follow these next steps.

- Turning On *Bluetooth®* Wireless Technology through the **PHONE** Key

Press the **PHONE** key ▶ Screen Guidance

✱ Moves to the screen where *Bluetooth®* Wireless Technology functions can be used and displays guidance.

- Turning On *Bluetooth®* Wireless Technology through the **SETUP** key

Press the **SETUP** key ▶ Select [Phone]

- ① A screen asking whether to turn on *Bluetooth®* Wireless Technology will be displayed.
- ② On the screen, select **YES** to turn on *Bluetooth®* Wireless Technology and display guidance.

✱ If the *Bluetooth®* Wireless Technology system is turned on, the system will automatically try to connect the most recently connected *Bluetooth®* Wireless Technology mobile phone.

CAUTION

- *Bluetooth®* Wireless Technology connection may become intermittently disconnected in some mobile phones. Follow these next steps to try again.

- 1) Turn the *Bluetooth®* Wireless Technology function within the mobile phone ON/OFF and try to connect again.
- 2) Turn the mobile phone power ON/OFF and try to connect again.
- 3) Completely remove the mobile phone battery, reboot, and then try to connect again.
- 4) Reboot the audio system and try to connect again
- 5) Delete all paired devices in your mobile phone and the audio system and pair again for use.

Multimedia System

System Settings

Press the **SETUP** key ▶ Select [System]



Memory Information

Displays currently used memory and total system memory.

Select [Memory Information] ▶ OK

The currently used memory is displayed on the left side while the total system memory is displayed on the right side.

RADIO (FOR RDS MODEL) : FM, AM

Changing RADIO mode



SEEK

Press the key

- Shortly pressing the key (under 0.8 seconds): Changes the frequency.
- Pressing and holding the key (over 0.8 seconds): Automatically searches for the next frequency.

Preset SEEK

Press the ~ key

- Shortly pressing the key (under 0.8 seconds): Plays the frequency saved in the corresponding key.
- Pressing and holding the key (over 0.8 seconds): Pressing and holding the desired key from ~ will save the currently playing broadcast to the selected key and sound a BEEP.

SCAN

Press the key

- Pressing and holding the key : The broadcast frequency increases and previews each broadcast for 5 seconds each. After scanning all frequencies, returns and plays the current broadcast frequency.

Selecting through manual search

Turn the TUNE knob left/right to adjust the frequency.

- AC101C1GG
 - FM : Changes by 100KHz
 - AM : Changes by 9KHz

Traffic Announcement (TA)

Shortly pressing the key (under 0.8 seconds): Set / TA Traffic Announcement) mode.

MENU

Within key are the AST (Auto Store) and Info functions.

Multimedia System

AST (Auto Store)

Press the **MENU** key ▶ Set [**①**AST] through **TUNE** knob or **1 RPT** key.



Select AST (Auto Store) to save frequencies with superior reception to presets **1** ~ **6**. If no frequencies are received, then the most recently received frequency will be broadcast.

* Saves only to the Preset memory **1** ~ **6** of FMA or AMA mode.

AF (Alternative Frequency)

Press the **MENU** key ▶ Set [**②**AF] through **TUNE** knob or **2 RDM** key.

The Alternative Frequency option can be turned On/Off.

Region

Press the **MENU** key ▶ Set [**③**Region] through **TUNE** knob or **3** key.

The Region option can be turned On/Off.

News

Press the **MENU** key ▶ Set [**④**News] through **TUNE** knob or **4** key.

The News option can be turned On/Off.

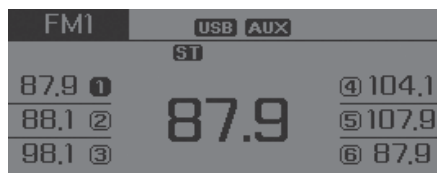
Info Volume

Info Volume refers to the sound volume upon receiving News or Traffic information.

The info volume can be controlled by turning the **VOL** knob left/right while a news or traffic broadcast is playing.

* AF, Region, and News are RDS Radio menus.

RADIO : FM, AM



SEEK

Press the **SEEK TRACK** key

- Shortly pressing the key : Changes the frequency.
- Pressing and holding the key : Automatically searches for the next frequency.

Preset SEEK

Press the **1** ~ **6** key

- Shortly pressing the key : Plays the frequency saved in the corresponding key.
- Pressing and holding the key : Pressing and holding the desired key from **1** ~ **6** will save the currently playing broadcast to the selected key and sound a BEEP.

SCAN

Press the **SCAN** key

- Shortly pressing the key : The broadcast frequency increases and previews each broadcast for 5 seconds each. After scanning all frequencies, returns and plays the current broadcast frequency.
- Pressing and holding the key : Previews the broadcasts saved in Preset **1** ~ **6** for 5 seconds each.

Selecting through manual search

Turn the **TUNE** knob left/right to adjust the frequency.

- AC100C1GG, AC100C1MG, AC111C1MG
 - FM : Changes by 100KHz
 - AM : Changes by 9KHz
- AC100C1GN
 - FM : Changes by 200KHz
 - AM : Changes by 10KHz
- AC100C1GE
 - FM : Changes by 50KHz
 - AM : Changes by 9KHz
- AC100C1GC
 - FM : Changes by 100KHz
 - AM : Changes by 10KHz

Multimedia System

Menu

Press the **MENU** key ▶ Select **[1 Auto Store]** through the **TUNE** knob or **1** key



1 A.Store

Press the **MENU** key ▶ Set **[A.Store]** through **TUNE** knob or **1** key
Saves broadcasts with superior reception to **1** ~ **6** keys. If no frequencies are received, then the most recently received frequency will be broadcast.

MENU : Audio CD

In CD mode, press **MENU** key.



Repeat

Set **[1 RPT]** through the **TUNE** knob or **1 RPT** key to repeat the current song.

* Press RPT again to turn off.

Random

Set **[2 RDM]** through the **TUNE** knob or **2 RDM** key to randomly play songs within the current folder.

* Press RDM again to turn off.

Information

Set **[3 Info]** through the **TUNE** knob or **3** key to display information of the current song.

* Press the **MENU** key to turn off info display.

MENU : MP3 CD / USB

In MP3 CD / USB mode, press **MENU** key.



Repeat

Set **[1 RPT]** through the **TUNE** knob or **1 RPT** key to repeat the current song.

* Press RPT again to turn off.

Folder Random

Set **[2 F.RDM]** through the **TUNE** knob or **2 RDM** key to randomly play songs within the current folder.

* Press F.RDM again to turn off.

Folder Repeat

Set [**3**F.RPT] through the  TUNE knob or **3** key to repeat songs within the current folder.

* Press F.RPT again to turn off.

All Random

Set [**4**A.RDM] through the  TUNE knob or **4** key to randomly play all songs within the CD.

* Press A.RDM again to turn off.

Information

Set [**5**Info] through the  TUNE knob or **5** key to display information of the current song.

* Press the **MENU** key to turn off info display.

Copy

Set [**6**Copy] through the  TUNE knob or **6** key.

* This is used to copy the current song into My Music. You can play the copied Music in My Music mode.

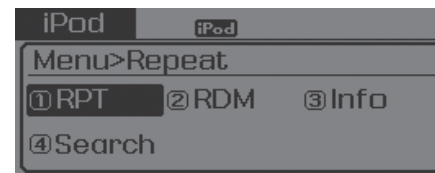
* If another key is pressed while copying is in progress, a pop up asking you whether to cancel copying is displayed.

* If another media is connected or inserted (USB, CD, iPod®, AUX) while copying is in progress, copying is canceled.

* Music will not be played while copying is in progress.

MENU : iPod®

In iPod mode, press **MENU** key.



Repeat

Set [**1**RPT] through the  TUNE knob or **1** RPT key to repeat the current song.

* Press RPT again to turn repeat off.

Random

Set [**2**RDM] through the  TUNE knob or **2** RDM key.

Plays all songs within the currently playing category in random order.

* Press RDM again to turn off.

Multimedia System

Information

Set [3]Info through the TUNE knob or **3** key.

Displays information of the current song.

* Press the **MENU** key to turn off info display.

Search

Set [4]Search through the TUNE knob or **4** key.

Displays iPod® category list.

* Searching iPod® category is **MENU** key pressed, move to parent category.

MENU : My Music Mode

In My Music mode, press **MENU** key.



Repeat

Set [1]RPT through the TUNE knob or **1 RPT** key.

Repeats the currently playing song.

* Press RPT again to turn repeat off.

Random

Set [2]RDM through the TUNE knob or **2 RDM** key.

Plays all songs within the currently playing folder in random order.

* Press RDM again to turn random off.

Information

Set [3]Info through the TUNE knob or **3** key.

Displays information of the current song.

* Press the **MENU** key to turn off info display.

Delete

Set [4]Delete through the TUNE knob or **4** key.

- Deletes currently playing file

In the play screen, pressing delete will delete the currently playing song.

- Deletes file from list

① Select the file you wish to delete by using the TUNE knob.



② Press the **MENU** key and select the delete menu to delete the selected file.

Delete All

Set [5]Del.All through the  TUNE knob or **5** key.

Deletes all songs of My Music.

Delete Selection

Press the **MENU** key ▶ Set [6]Del.Sel through the  TUNE knob or **6** key. Songs within My Music are selected and deleted.

- ① Select the songs you wish to delete from the list.



- ② After selecting, press the **MENU** key and select the delete menu.



AUX

AUX is used to play external MEDIA currently connected with the AUX terminal.

AUX mode will automatically start when an external device is connected to the AUX terminal.

If an external device is connected, you can also press the **MEDIA** key to change to AUX mode.



* AUX mode cannot be started unless there is an external device connected to the AUX terminal.

* NOTICE - USING THE AUX

- Fully insert the AUX cable into the AUX terminal for use.

Multimedia System

Making a call using the Steering wheel remote controller



※ The actual feature in the vehicle may differ from the illustration.

Name	Description
① MODE	- Each time this key is pressed, the mode is changed in order of FM1 → FM2 → FMA → AM → AMA → CD → 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.
② VOL+ VOL-	Raises or lowers speaker volume.
③  key	Places and transfers calls.
④  key	Ends calls or cancels functions. - Check call history and making call ① Shortly press (under 0.8 seconds) the  key on the steering remote controller. ② The call history list will be displayed on the screen. ③ Press the  key again to connect a call to the selected number. - Redialing the most recently called number ① Press and hold (over 0.8 seconds) the  key on the steering remote controller. ② The most recently called number is redialed.

Phone MENU

Press the **PHONE** key to display three menus (Call History, Contacts, Phone Setup).



Call history

Press the **PHONE** key ▶ Set [① History] through the **TUNE** knob or **1 RPT** key.

The call history is displayed and can be used to select a number and make a call.

If call history does not exist, a screen asking whether to download call history is displayed. (The download feature may not be supported in some mobile phones)

Contacts

Press the **PHONE** key ▶ Set [② Contacts] through the **TUNE** knob or **2 RDM** key.

The Contacts are displayed and can be used to select a number and make a call.

- * If more than one number is saved to one contact, then a screen showing the mobile phone number, Home and office number is displayed. Select the desired number to make the call.
- * If Contacts do not exist, a screen asking whether to download Contacts is displayed. (The download feature may not be supported in some mobile phones)

Phone Setup

Press the **PHONE** key ▶ Set [③ Setup] through the **TUNE** knob or **3** key.

The *Bluetooth*® Wireless Technology mobile phone setup screen is displayed. For more information, refer to "Phone Setup".

Multimedia System

* NOTICE - USING THE *Bluetooth*® Wireless Technology CELLULAR PHONE

- Do not use a cellular phone or perform *Bluetooth*® Wireless Technology settings (e.g. pairing a phone) while driving.
- Some *Bluetooth*® Wireless Technology -enabled phones may not be recognized by the system or fully compatible with the system.
- Before using *Bluetooth*® Wireless Technology related features of the audio system, refer your phone's User's Manual for phone-side *Bluetooth*® Wireless Technology operations.
- The phone must be paired to the audio system to use *Bluetooth*® Wireless Technology related features.
- You will not be able to use the hands-free feature when your phone (in the car) is outside of the cellular service area (e.g. in a tunnel, in a underground, in a mountainous area, etc.).

(Continued)

(Continued)

- If the cellular phone signal is poor or the vehicles interior noise is too loud, it may be difficult to hear the other person's voice during a call.
- Do not place the phone near or inside metallic objects, otherwise communications with *Bluetooth*® Wireless Technology system or cellular service stations can be disturbed.
- While a phone is connected through *Bluetooth*® Wireless Technology your phone may discharge quicker than usual for additional *Bluetooth*® Wireless Technology-related operations.
- Some cellular phones or other devices may cause interference noise or malfunction to audio system. In this case, store the device in a different location may resolve the condition.
- Phone contact names should be saved in English or they may not be displayed correctly.

(Continued)

(Continued)

- If Priority is set upon vehicle ignition(IGN/ACC ON), the *Bluetooth*® Wireless Technology phone will be automatically connected.
Even if you are outside, the *Bluetooth*® Wireless Technology phone will be automatically connected once you are in the vicinity of the vehicle.
If you do not want automatic *Bluetooth*® Wireless Technology connection, turn the *Bluetooth*® Wireless Technology feature off.
- The hands-free call volume and quality may differ depending on the mobile phone type.
- *Bluetooth*® Wireless Technology features can be used only when the mobile phone has been paired and connected with the device. For more information on pairing and connecting *Bluetooth*® Wireless Technology enabled mobile phones, refer to the "Phone Setup" section.

(Continued)

(Continued)

- When a *Bluetooth*® Wireless Technology mobile phone is connected, a (📶) icon will appear at the top of the screen. If a (📶) icon is not displayed, this indicates that a *Bluetooth*® Wireless Technology enabled device has not been connected. You must connect the device before use. For more information on *Bluetooth*® Wireless Technology mobile phones, refer to the “Phone Setup” section.
- Pairing and connecting a *Bluetooth*® Wireless Technology enabled mobile phone will work only when the *Bluetooth*® Wireless Technology option within your mobile phone has been turned on. (Methods of turning on the *Bluetooth*® Wireless Technology enabled feature may differ depending on the mobile phone.)

(Continued)

(Continued)

- In some mobile phones, starting the ignition while talking through *Bluetooth*® Wireless Technology enabled handsfree call will result in the call becoming disconnected. (Switch the call back to your mobile phone when starting the ignition.)
- Some features may not be supported in some *Bluetooth*® Wireless Technology mobile phone and devices.
- *Bluetooth*® Wireless Technology enabled operation may be unstable depending on the communication state.
- Placing the audio system within an electromagnetic environment may result in noise interference.

Multimedia System

SYSTEM CONTROLLERS AND FUNCTIONS

* Display and settings may differ depending on the selected audio

Audio Head Unit (For RDS model)



Name	Description
①	Ejects the disc.
② RADIO	• Convert to Radio mode. • Each time the key is pressed, the mode is changed in order of FM1, FM2, FMA, AM, AMA

Name	Description
③ MEDIA	• Each time the key is pressed, the mode is changed in order of CD, USB, iPod®, AUX, My Music, BT Audio modes.
④ PHONE	(for <i>Bluetooth</i>® Wireless Technology equipped model) • Converts to Phone mode * When a phone is not connected, the connection screen is displayed.
⑤ POWER/VOL knob	• Power : Turns power On/Off by pressing the knob • Volume : Sets volume by turning the knob left/right
⑥ SEEK TRACK	• When pressed shortly - Radio mode : plays previous/next frequency. - Media (CD/USB/iPod®/My Music) modes : changes the track, Song(file) • When pressed and held - 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.



Name	Description
⑦ DISP	- Each time the button is shortly pressed, it sets the screen Off → Screen On → Screen Off * Audio operation is maintained and only the screen will be turned Off. In the screen Off state, press any key to turn the screen On again.
⑧ TA	Set TA(Traffic Announcement) feature On/Off.
⑨ SCAN	- Radio Mode - Shortly press the key : Previews each broadcast for 5 seconds each - Press and hold the key : Previews the broadcasts saved in Preset for 5 seconds each. * Press the SCAN key again to continue listening to the current frequency. - CD, USB mode - Shortly press the key : Previews each song (file) for 10 seconds each * Press the SCAN key again to continue listening to the current song (file).
⑩ SETUP	Converts to Setup mode.
⑪ TUNE knob	- Radio mode : turn to change broadcast frequencies. - Media (CD/USB/iPod®/My Music) modes : turn to search tracks/ channels/files.
⑫ ▽FOLDER△	- MP3, CD, USB mode : Folder Search * May differ depending on the selected audio

Multimedia System

Steering-wheel mounted controls



* The actual feature in the vehicle may differ from the illustration.

Name	Description
① MODE	- Each time this key is pressed, the mode is changed in order of FM1 → FM2 → FMA → AM → AMA → CD → 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.
② VOL+ , VOL-	Used to control volume.
③  , 	Mute the microphone during a call. - 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.



Name	Description
④ 	• When pressed shortly - 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)
⑤ 	Ends phone call

Multimedia System

RADIO MODE (FOR RDS MODEL)

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
6. 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

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  key to play the previous/next frequency.

Using TUNE

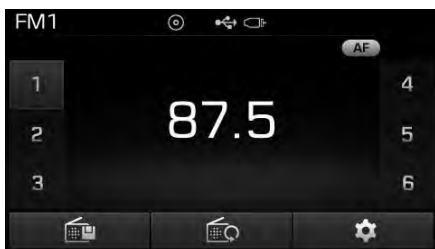
Turn the  TUNE knob to select the desired frequency.

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

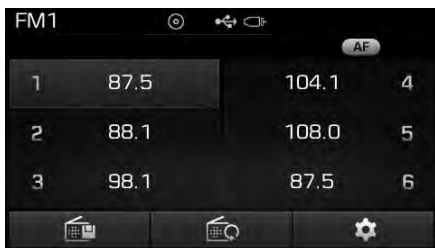
Using Radio Mode

Selecting /Saving Presets

Press the  ~  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.

Multimedia System

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

Press and hold the  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 and holding the  key (over 0.8 seconds) will cancel the scan operation.

TA (Traffic Announcement)

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



RADIO MODE

Basic Mode Screen



1. Mode Display
Displays currently operating mode.

2. Frequency
Displays the current frequency.

3. Preset
Displays current preset number ~ P1
~ P6.

4. Preset Display
Displays preset buttons.

5. Auto store
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

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.

Multimedia System

Searching Radio Frequencies

Using Seek

Press the  key to play the previous/next frequency.

Using TUNE

Turn the  TUNE knob to select the desired frequency.

- FM : Increases/decreased by 200kHz
- AM : Increases/decreased by 10kHz

Using Radio Mode

Selecting Presets/Saving Presets

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



Press the  ~  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  ~  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.

Scan

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

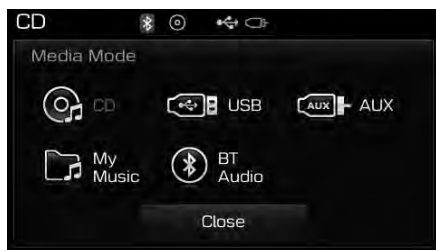
Press and hold the  key (over 0.8 seconds) to preview presets for 5 seconds each.

Once scan is complete, the previous frequency will be restored.

While Scan is operating, pressing the  key will cancel the scan operation.

MEDIA MODE

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



If [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
	<i>Bluetooth®</i> Wireless Technology
	CD
	iPod®
	USB
	AUX

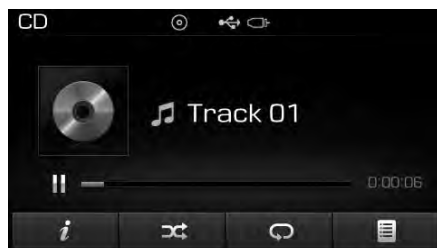
Multimedia System

AUDIO CD MODE

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

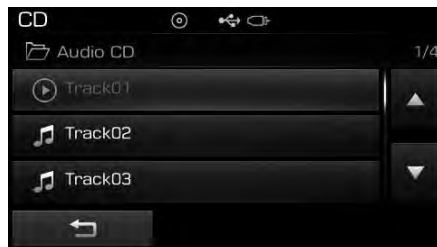
Press the key to move to the previous or next track.

* NOTICE

- Pressing the key after the track has been playing for 2 seconds will start the current track from the beginning.
- Pressing the key before the track has been playing for 1 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

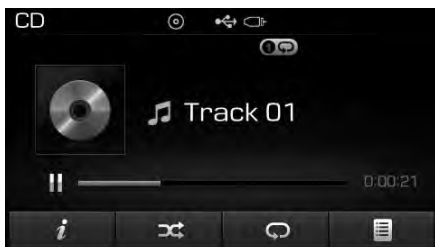
While playing, press and hold the **SEEK TRACK** key to rewind or fast-forward the current track.

Scan

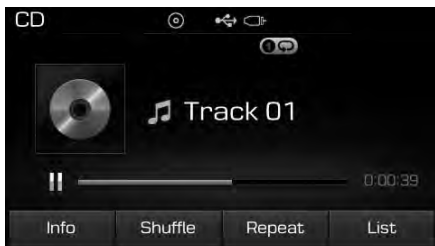
Press the **SCAN** key to play the first 10 seconds of each file.

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

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

Repeat

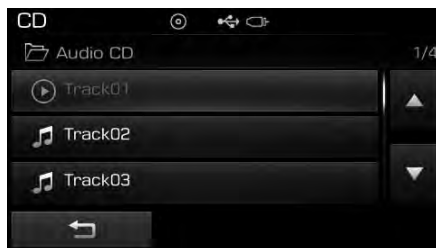
Press the **Repeat** button to repeat the current track. Press the button again to turn the repeat feature off.

- Repeat : Repeats the current track.

Multimedia System

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

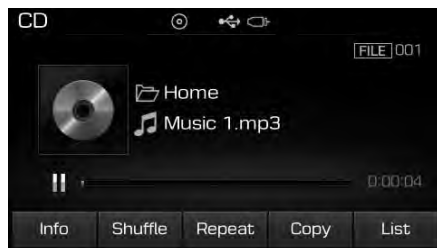
Using MP3 CD Mode

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

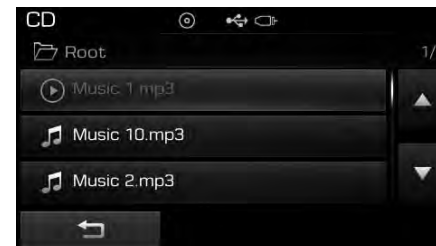
Press the **SEEK TRACK** key to move to the previous or next file.

* NOTICE

- Pressing the **SEEK TRACK** key after the file has been playing for 2 seconds will start the current file from the beginning.
- Pressing the **SEEK TRACK** key before the file has been playing for 1 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.

Multimedia System

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.

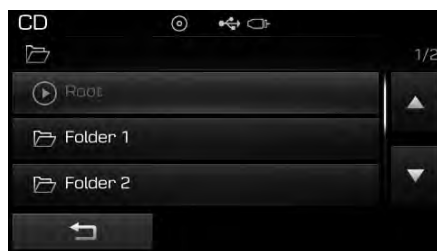
Scan

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

Searching Folders

Press the **▼FOLDER▲** key to select and search folders.

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



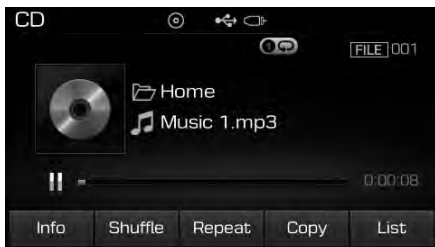
The first file within the selected folder will begin playing.

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

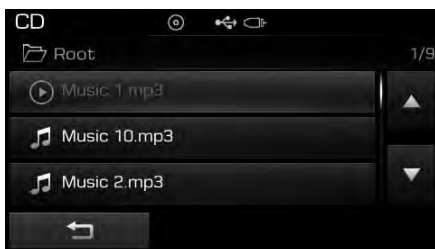
Press the  (Copy) button to copy the current file into My Music.

*** 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.

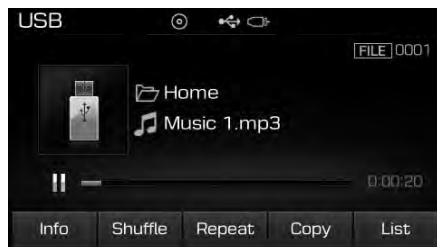
Multimedia System

USB MODE

Using USB Mode

Playing/Pausing USB Files

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



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

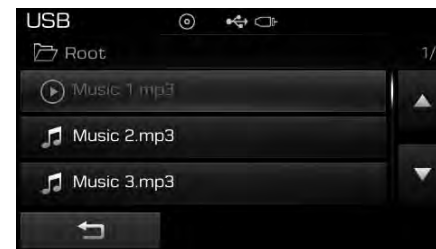
Press the **SEEK TRACK** keys to move to the previous or next file.

* NOTICE

- Pressing the **SEEK TRACK** key after the file has been playing for 2 seconds will start the current file from the beginning.
- Pressing the **SEEK TRACK** key before the file has been playing for 1 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

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

Searching Folders

Press the **√FOLDER√** key to select and search folders.



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

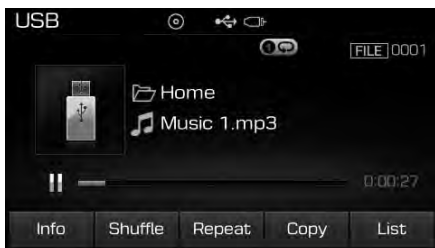
The first file within the selected folder will begin playing.

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.

Multimedia System

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

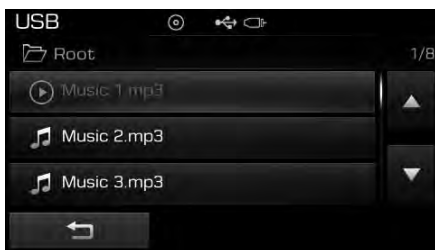
Press the  (Copy) button to copy the current file into My Music.

* 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.