



Digital Media Receiver

iDA-X001



- **OWNER'S MANUAL**
Please read before using this equipment.
- **MODE D'EMPLOI**
Veuillez lire avant d'utiliser cet appareil.
- **MANUAL DE OPERACIÓN**
Léalo antes de utilizar este equipo.

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LIMITED WARRANTY

Operating Instructions

WARNING

WARNING

This symbol means important instructions. Failure to heed them can result in serious injury or death.

DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE.

Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

KEEP THE VOLUME AT A LEVEL WHERE YOU CAN STILL HEAR OUTSIDE NOISES WHILE DRIVING.

Excessive volume levels that obscure sounds such as emergency vehicle sirens or road warning signals (train crossings, etc.) can be dangerous and may result in an accident. LISTENING AT LOUD VOLUME LEVELS IN A CAR MAY ALSO CAUSE HEARING DAMAGE.

MINIMIZE DISPLAY VIEWING WHILE DRIVING.

Viewing the display may distract the driver from looking ahead of the vehicle and cause an accident.

DO NOT DISASSEMBLE OR ALTER.

Doing so may result in an accident, fire or electric shock.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.

(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

KEEP SMALL OBJECTS SUCH AS BOLTS OR SCREWS OUT OF THE REACH OF CHILDREN.

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES.

Failure to do so may result in fire or electric shock.

DO NOT BLOCK VENTS OR RADIATOR PANELS.

Doing so may cause heat to build up inside and may result in fire.

USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS.

Use for other than its designed application may result in fire, electric shock or other injury.

CAUTION

This symbol means important instructions. Failure to heed them can result in injury or material property damage.

HALT USE IMMEDIATELY IF A PROBLEM APPEARS.

Failure to do so may cause personal injury or damage to the product. Return it to your authorized Alpine dealer or the nearest Alpine Service Center for repairing.

PRECAUTIONS

Product Cleaning

Use a soft dry cloth for periodic cleaning of the product. For more severe stains, please dampen the cloth with water only. Anything else has the chance of dissolving the paint or damaging the plastic.

Temperature

Be sure the temperature inside the vehicle is between +60°C (+140°F) and -10°C (+14°F) before turning your unit on.

Maintenance

If you have problems, do not attempt to repair the unit yourself. Return it to your Alpine dealer or the nearest Alpine Service Station for servicing.

Installation Location

Make sure the iDA-X001 will not be installed in a location subjected to:

- Direct sun and heat
- High humidity and water
- Excessive dust
- Excessive vibrations

Protecting the USB connector

- Only an iPod or USB memory can be connected to the USB connector on this unit. Correct performance using other USB products cannot be guaranteed.
- If the USB connector is used, be sure to use only the supplied connector cable with the unit. A USB hub is not supported.
- Depending on the connected USB memory device, the unit may not function or some functions may not be performed.
- The audio file format that can be played back on the unit is MP3/WMA/AAC.
- Artist/song name, etc., can be displayed, however characters may not be correctly displayed.

CAUTION

Alpine accepts no responsibility for lost data, etc., even if data, etc., is lost while using this product.

- “Uni-Type™” is the trademark registered by LIM Corporation Ltd.

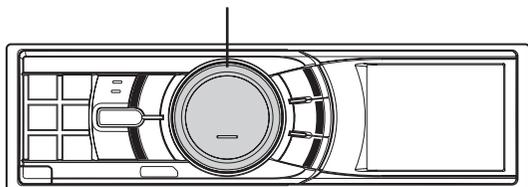
On Handling USB Memory

- To prevent malfunction or damage, note the following points.
 - Read the USB memory Owner’s Manual thoroughly.
 - Do not touch the terminals by hand or metal.
 - Do not subject USB memory to excessive shock.
 - Do not bend, drop, disassemble, modify or soak in the water.
- Avoid usage or storage in the following locations:
 - Anywhere in the car exposed to direct sunlight or high temperatures.
 - Anywhere the possibility of high humidity or corrosive substances are present.
- Fix the USB memory in a location where driver operation will not be hindered.
- USB memory may not function correctly at high or low temperature.
- Use only certified USB memory. Note that even certified USB memory, may not function correctly depending on its type or state.
- USB memory function is not guaranteed. Use USB memory according to the terms of agreement.
- Depending on the settings of the USB memory type, memory state or encoding software, the unit may not play back or display properly.
- A file that is copy-protected (copyright protection) cannot be played back.
- USB memory may take time to start playback. If there is a particular file other than audio in the USB memory, it may take considerable time before the file is played back or searched.
- The unit can play back “mp3,” “wma” or “m4a” file extensions.
- Do not add the above extensions to a file other than audio data. This non-audio data will not be recognized. The resulting playback may contain noise that can damage speakers and/or amplifiers.
- It is recommended to back up important data on a personal computer.
- Do not remove the USB device while playback is in progress. Change SOURCE to something other than USB, then remove the USB device to prevent possible damage to its memory.

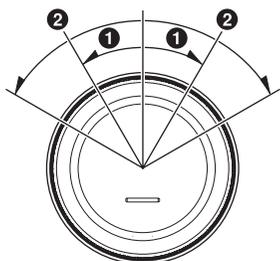
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 - *Apple, the Apple logo, iPod and iTunes are trademarks of Apple Computer, Inc., registered in the U.S. and other countries.*
 - *“MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson.”*
 - *“Supply of this product only conveys a license for private, non-commercial use and does not convey a license nor imply any right to use this product in any commercial (i.e. revenue-generation) real time broadcasting (terrestrial, satellite, cable and/or any other media), broadcasting/streaming via internet, intranets and/or other networks or in other electronic content distribution systems, such as pay-audio or audio-on-demand applications. An independent license for such use is required. For details, please visit <http://www.mp3licensing.com>”*
 - *“Uni-Type™” is a style of Universal design font developed by a joint research between LIM Corporation Ltd., and Chiba University Faculty of Engineering.*

Center Jog Dial Operation

Center Jog Dial

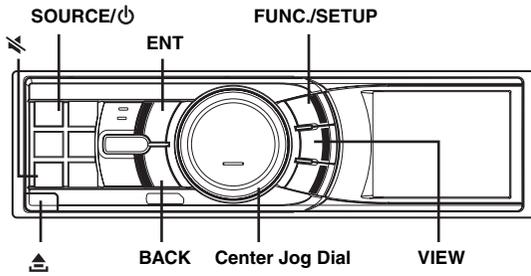


1 Turn the **Center Jog Dial** left or right.



- 1 Turn the Center Jog Dial one step. If "Sound (Beep) Guide Function" is set to On (see page 21), a beep sounds as this operation is performed. The explanation in the Manual described as "Turn the Center Jog Dial" describes the above operation. The Center Jog Dial returns to its original position when it is released. Additionally, turning the Center Jog Dial one step, and then turning and holding it for a moment without releasing it is expressed as "Turn the Center Jog Dial one step and hold."
- 2 By turning the Center Jog Dial and holding it for a moment without releasing, you can change the number and items continuously. This operation is expressed as "Turn the Center Jog Dial two steps and hold." If "Sound (Beep) Guide Function" is set to On (see page 21), a beep sounds twice as this operation is performed. The Center Jog Dial returns to the original position when it is released.

Getting Started



Accessory List

• Digital Media receiver.....	1
• Power cable.....	1
• Mounting sleeve.....	1
• Carrying case.....	1
• Front frame.....	1
• Bracket key.....	2
• Screw (M5x8).....	4
• USB cable.....	1
• iPod Dock interface cable.....	1
• Owner's Manual.....	1 set

Turning Power On and Off

Press **SOURCE/⏻** to turn on the unit.

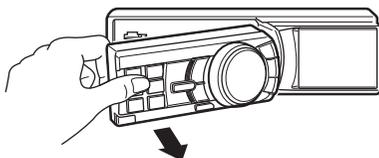
- The unit can be turned on by pressing any other button except  (Release) and **VIEW**. The unit is also automatically turned on if an iPod (USB connection) or USB memory is connected.

Press and hold **SOURCE/⏻** for at least 2 seconds to turn off the unit.

Detaching and Attaching the Front Panel

Detaching

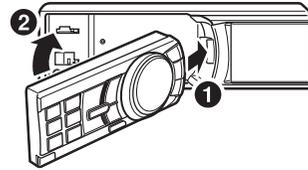
- 1 Turn off the unit power.
- 2 Press  (Release) at the lower left side until the front panel pops out.
- 3 Grasp the left side of the front panel and pull it out.



- The front panel may become hot in normal usage (especially the connector terminals on the back of the front panel.) This is not a malfunction.
- To protect the front panel, place it in the supplied carrying case.

Attaching

- 1 Insert the right side of the front panel into the main unit. Align the groove on the front panel with the projections on the main unit.
- 2 Push the left side of the front panel until it locks firmly into the main unit.

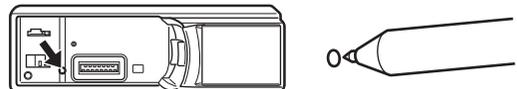


- Before attaching the front panel, make sure that there is no dirt or dust on the connector terminals and no foreign object between the front panel and the main unit.
- Attach the front panel carefully. Hold the panel by its sides to avoid pushing any buttons by mistake.

Initial System Start-Up

Be sure to press the RESET switch when using the unit for the first time, after changing the car battery, etc.

- 1 Turn off the unit power.
- 2 Press  (Release) to remove the front panel.
- 3 Press **RESET** with a ballpoint pen or similar pointed object.



Adjusting Volume

Turn the **Center Jog Dial** until the desired sound is obtained.

- If the **Center Jog Dial** is repeatedly turned clockwise/counter-clockwise one step and held, the volume will increase/decrease incrementally, a step at a time. If the **Center Jog Dial** is turned two steps and held, the volume will change increase/decrease at a faster rate.

Lowering Volume Quickly

Activating the Audio Mute function will instantly lower the volume level by 20 dB.

Press  **to activate the MUTE mode.**

The audio level will decrease by about 20 dB.

Pressing  **again will bring the audio back to its previous level.**

- During MUTE, the volume display blinks.

Setting the Time and Calendar

1 Press and hold FUNC./SETUP for at least 2 seconds to activate the SETUP selection mode.

2 Turn the Center Jog Dial to select the General mode, and then press ENT.

Bluetooth ↔ General ↔ Display ↔ iPod ↔ XM* ↔
SIRIUS* ↔ HD Radio*

* Only when HD Radio / SAT Radio receiver is connected.

3 Turn the Center Jog Dial to select Clock Adjust, and then press ENT.

The calendar setting mode is activated.
When the year is set, proceed step 5.

4 Turn the Center Jog Dial to select year, month, day, hour or minutes to be set.

5 Press ENT.

The year setting mode is activated, and the year blinks.
(When "year" is set)

6 Turn the Center Jog Dial to set year, and then press ENT.

The setting for year is complete. (When "year" is set)

7 Repeat steps 4 to 6 above to set month, day, hour and minutes.

8 Press and hold BACK for at least 2 seconds to return to normal mode.

- Pressing BACK during the procedure will return to the previous mode.
- If the Center Jog Dial is turned two steps and held, the number changes continuously.

Displaying the Calendar/Time

Press VIEW.

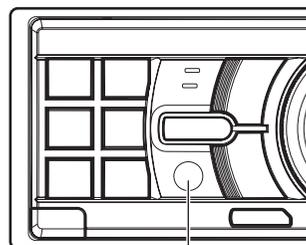
The calendar/time is displayed. Pressing VIEW again will return to normal mode.



- Selecting any tuner or iPod function while in the clock priority mode will interrupt the time display momentarily. The function selected will be displayed for about 5 seconds before the time returns to the display.
- If an HD Radio Tuner is connected, text information can be displayed. Refer to "Changing the Display (HD Radio mode only)" (page 9).
- If an XM receiver is connected, the Auxiliary Data Field can be displayed. Refer to "Setting the Auxiliary Data Field Display" (page 27).
- If an iPod is connected via USB, the album cover screen can be displayed. Refer to "Changing the Display" (page 12).

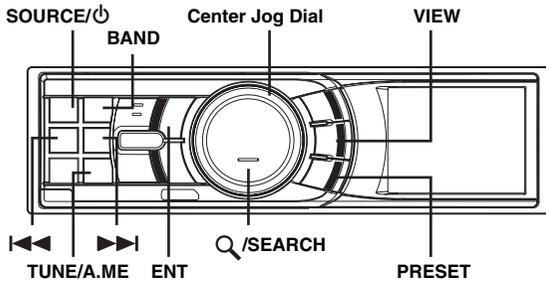
Controllable With Remote Control

Point the optional remote control transmitter at the remote control sensor.



Remote control sensor

Radio



This unit cannot receive HD Radio™ signals (digital terrestrial radio). In order to activate the digital radio functions described below, an optional HD Radio Tuner module must be connected through the Ai-NET bus.
HD Radio™ Technology Manufactured Under License From iBiquity Digital Corporation. iBiquity Digital and the HD Radio and HD Symbols are trademarks of iBiquity Digital Corporation. U.S. and Foreign Patents.

How to View the Display

<Radio screen display example>



- 1 Mode display
- 2 Preset number
- 3 Volume
- 4 Tuning mode
- 5 Frequency
- 6 Calendar/Time

Listening to Radio

HD Radio™ can be received if the HD Radio TUNER MODULE (TUA-T500HD) is connected. While receiving HD Radio, the unit can automatically switch between the analog and digital signal.

- 1 Press **SOURCE/ϕ** to select **TUNER mode**.
- 2 Press **BAND** repeatedly until the desired radio band is displayed.

FM-1 → FM-2 → AM → FM-1

- 3 Press **TUNE/A.ME** to select the tuning mode.

DX (Distance mode) → Local (Local mode) → Manual (Manual mode) → DX (Distance mode)

- The initial mode is Distance mode.

Distance mode:

Both strong and weak stations will be automatically tuned in (Automatic Seek Tuning).

Local mode:

Only strong stations will be automatically tuned in (Automatic Seek Tuning).

Manual mode:

The frequency is manually tuned in steps (Manual tuning).

- 4 Press **◀◀** or **▶▶** to tune in the desired station.

Holding down **◀◀** or **▶▶** will change the frequency continuously.

- The "Digital" appears on the display when a digital radio station which contains both audio and text information, is received.
- If Digital Seek is set to ON, the SEEK UP/DOWN functions only stop on digital station frequencies while receiving HD radio. Refer to "Digital Seek On/Off Setting" (page 22).

Presetting Stations Manually

- 1 Select the radio band and tune in a desired radio station you wish to store in the preset memory.

- 2 Press **PRESET**.

The Preset screen is displayed.

- 3 Turn the **Center Jog Dial** to select the preset number.

- 4 Press and hold **ENT** for at least 2 seconds.

The selected station is stored.

The display shows the band, preset number and station frequency memorized.

- A total of 18 stations can be stored in the preset memory (6 stations for each band; FM1, FM2 and AM).
- If you store a station in a preset memory which already has a station, the current station will be cleared and replaced with the new station.

Presetting Stations Automatically

- 1 Press **BAND** repeatedly until the desired radio band is displayed.
- 2 Press and hold **TUNE/A.ME** for at least 2 seconds. "Auto Memory" is displayed while the automatic memory is in progress. The tuner will automatically seek and store 6 strong stations in the selected band. They will be stored 1 to 6 in order of signal strength.
When the automatic memory has been completed, the tuner goes to the station stored in preset location No.1.

- If no stations are stored, the tuner will return to the original station you were listening to before the auto memory procedure began.

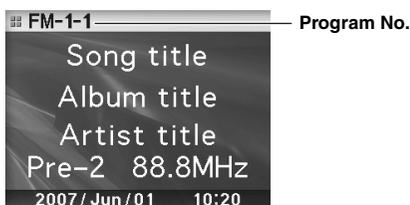
Tuning to Preset Stations

- 1 Press **BAND** repeatedly until the desired band is displayed.
- 2 Press **PRESET**.
The Preset screen is displayed.
- 3 Turn the **Center Jog Dial** to select a radio station.
- 4 Press **ENT**.
The display shows the band, preset number and frequency of the station selected.

Receiving a Multicast Station (HD Radio mode only)

Multicasting which is the Ability to broadcast multiple program streams over a single FM frequency thereby increasing the amount and diversity of content choices. A maximum of eight multicast station channels can be selected on this unit.

- 1 When multicast station is received, the program number is displayed.



- 2 Press **Q/SEARCH** to display the Program Type screen.



- 3 Turn the **Center Jog Dial** to select a program, and press **ENT**.

The selected program is received.

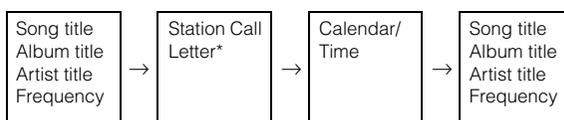
Program Service example:

Multicast Radio Station	Program No.	Program Service
88.8MHz	No.1	MPS: Main Program Service
88.8MHz	No.2	SPS: Sub-program Service
88.8MHz	No.3	SPS: Sub-program Service
.	.	.
.	.	.
88.8MHz	No.8	SPS: Sub-program Service

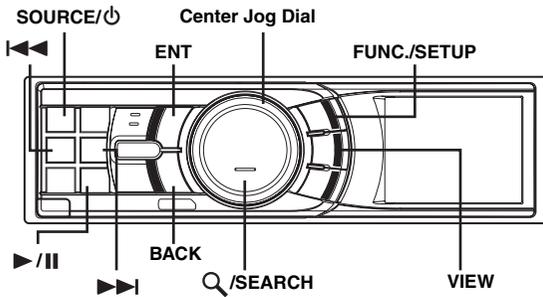
Changing the Display (HD Radio mode only)

Press **VIEW**.

Every time **VIEW** is pressed changes the display.



- * You can set a long or short HD Radio station name. Refer to "HD Radio Station Call Setting" (page 22).



When the iDA-X001 is connected by using the cable, the controls on the iPod are not functional.

iPod connection can be made in two ways using the USB connection cable, or directly connecting the iPod using the FULL SPEED™ connection cable (KCE-422i).

- Only 5th generation iPod and first generation iPod nano can be connected via a USB device.
- If an iPod is connected via USB, the initial skip/page skip function, Audiobook search function and the album cover screen can be displayed.

About iPods usable with this unit

- The unit can be used with the fourth generation and above iPod, iPod photo, iPod mini or the first generation iPod nano only. However, future generation iPod compatibility cannot be guaranteed.
- Touch wheel or scroll wheel type iPods without the dock connector cannot be connected to the unit.
- The unit can be used with the following iPod.

<USB connected>

Fifth generation iPod
First generation iPod nano

<Directly connected>

Fourth generation iPod
Fifth generation iPod
iPod photo
iPod mini
First generation iPod nano

- If the unit is used with iPod software versions of iTunes earlier than 7.0.0.1, correct function and performance are not guaranteed.

How to View the Display

<iPod (USB connected) screen display example>



- 1 Mode display
- 2 Song title/Episode title/Audiobook title
- 3 Album title/Podcast title
- 4 Artist title/Release date
- 5 Album cover screen
- 6 Elapsed time
- 7 Remaining time for playing
- 8 Calendar/Time

<iPod (directly connected) screen display example>



- 1 Mode display
- 2 Song title/Episode title
- 3 Album title/Podcast title
- 4 Artist title/Release date
- 5 Elapsed time
- 6 Remaining time for playing
- 7 Calendar/Time

- Album art contained in the iPod can be displayed only if connected through USB.

Playback

- 1 Press **SOURCE/⏻** to switch to the iPod or iPod 2 mode.
- 2 Press **⏮** or **⏭** to select the desired song.
Return to the beginning of the current song:
 Press **⏮**.
Fast backward:
 Press and hold **⏮**.
Advance to the beginning of the next song:
 Press **⏭**.
Fast forward:
 Press and hold **⏭**.
- 3 To pause playback, press **⏸/||**.
 Pressing **⏸/||** again will resume playback.

- If a song is playing on the iPod when it is connected to the iDA-X001, it will continue playing after the connection.

Searching for a desired Song/Title

An iPod can contain hundreds of songs. By keeping these songs organized in playlists, the iDA-X001 can use these to ease song searches.

Using the Playlist/Artist/Album/Podcast/Audiobook/Genre/Composer/Song search mode's individual hierarchy, you can narrow down your search as shown in the table below.

Hierarchy 1	Hierarchy 2	Hierarchy 3	Hierarchy 4
Playlists	Songs	—	—
Artists	Albums	Songs	—
Albums	Songs	—	—
Podcasts	Episodes	—	—
Audiobooks*	—	—	—
Genres	Artists	Albums	Songs
Composers	Albums	Songs	—
Songs	—	—	—

* Only when connected via USB.

- E.g., if there is only an album in the selected artist when USB is connected, the song search mode is selected in such a way that the album search mode is skipped.
- You can select your preferred search mode. Refer to “iPod Search Mode Setting” (page 22).

For example: Searching by Artist name

The following example explains how an ARTIST search is performed. Another search mode can be used for the same operation, although the hierarchy differs.

- 1 Press \mathcal{Q} /SEARCH to activate the Menu Select mode.**
- 2 Turn the Center Jog Dial to select the Artists, and then press ENT.**

The artist search mode is activated and an artist name is displayed.
- 3 Turn the Center Jog Dial to select the desired Artist, and then press ENT.**

The album search mode is activated and an album name is displayed.
- 4 Turn the Center Jog Dial to select an album, and then press ENT.**

The song search mode is activated and a song name is displayed.
- 5 Turn the Center Jog Dial to select a song and press ENT.**

The selected song is played back.

- If the **Center Jog Dial** is turned two steps and held, the display can be changed continuously.
- While in the search mode, if you press and hold **BACK** for at least 2 seconds the search mode is canceled.
- In the search mode, pressing **BACK** will return to the previous mode.
- If the iPod's name is selected in the Playlist search mode and **ENT** is pressed, all songs in the iPod are searchable. If you press and hold **ENT** for at least 2 seconds, all songs in the iPod are played back beginning from the first song listed.
- “No Support” is displayed when text information is not compatible with the iDA-X001.

- When a list is displayed, you can use the page skip or initial skip function. For details, refer to “Page Skip Function/Initial Skip Function (USB connection only)” (page 11).
- During the search mode, if you select All and press **ENT**, you can search for all titles in the next hierarchy. If you select All, and press and hold for at least 2 seconds, all titles in the selected hierarchy are played back repeatedly.

Page Skip Function/Initial Skip Function (USB connection only)

The unit is provided with a page skip/initial skip function for effective searching. When you use this function in the search mode, you can quickly search an artist or a song, etc.

1 Press and hold \mathcal{Q} /SEARCH for at least 2 seconds to switch to the desired skip function.

The factory setting is set to the page skip function.

Page skip function ↔ Initial skip function

Page skip function: The list is skipped page by page.

Initial skip function: The initial skip function is skipped to the next number, symbol or letter such as from A to B, B to C. You can skip in reverse order such as B to A by turning the Center Jog Dial to the left.

2 Turn the Center Jog Dial 2 steps.

A list is skipped to the next page or next number, symbol or letter.

- The Initial skip function in the song search mode is available only when a song search is selected on the Menu select screen.

Search Position Memory (USB connection only)

During iPod playback, you can quickly return to the last-selected hierarchy level in the search mode.

1 Press BACK.

The hierarchy you selected last in the search mode is displayed.

Random Play Shuffle

- 1 Press **FUNC./SETUP**.
The Function screen is displayed.
- 2 Turn the **Center Jog Dial** to select **Shuffle**, and press **ENT**.
The Shuffle mode is activated.

- 3 Turn the **Center Jog Dial** to select the **Shuffle playback mode**, and press **ENT**.

Shuffle Album  : An album in the iPod is selected at random, and is played back in the album song order.

Song  : If you select a song in the search mode, all songs in the selected mode are played back at random.

Off : Shuffle mode off.

- 4 Press **FUNC./SETUP** or **BACK**.
The songs will be played back in random sequence.

- To cancel, select **Off** in the above procedure.
- *Shuffle Album/Shuffle Song works the same way as iPod Shuffle Albums/Shuffle Songs.*

Random Play Shuffle All

Shuffle ALL plays all songs in the iPod randomly.

- 1 Press **Q/SEARCH**.
The Menu Select screen is displayed.
- 2 Press **ENT** while selecting **Shuffle All**.
The indicator  **ALL** lights, and the songs will be played back in random sequence.

- To cancel, set the Shuffle mode to **Off**. Refer to "Random Play Shuffle" (page 12).
- If **Shuffle All** is selected, the selected ones which are being played back in the search mode are canceled.

Repeat Play

- 1 Press **FUNC./SETUP**.
The Function screen is displayed.
- 2 Press **ENT**.
The Repeat mode is activated.

- 3 Turn the **Center Jog Dial** to select a **Song**, and press **ENT**.

Repeat Song  : A single song is repeatedly played back.
Off : Repeat mode off.

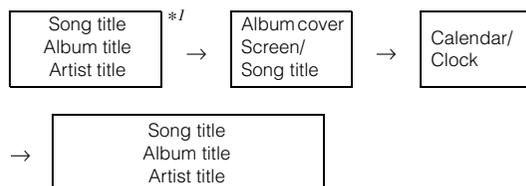
- 4 Press **FUNC./SETUP** or **BACK**.
The song is repeatedly played back.

- To cancel, select **Off** in the above procedure.
- During repeat playback, no other songs are selectable by pressing **◀◀** or **▶▶**.
- If **USB** is connected, both the shuffle and repeat indicators that can be set are displayed, only one song repeats.

Changing the Display

Press **VIEW**.

<USB connected>



<Directly connected>

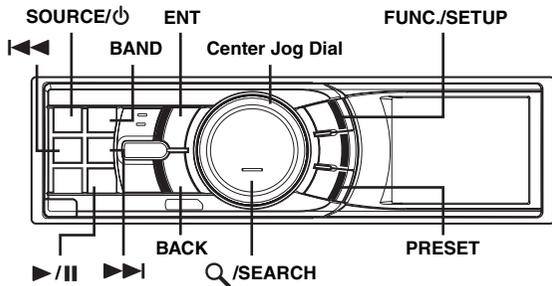


*1 TAG information

If there is no text information, nothing will be displayed.

- Only alphanumeric characters can be displayed.
- The maximum number of characters is 128 (128 byte).
- Some characters may not be correctly displayed.
- "No Support" is displayed when text information is not compatible with the iDA-X001.

USB memory/ Changer



If a USB memory device or changer is connected to the unit, MP3/WMA/AAC files can be played back.

How to View the Display

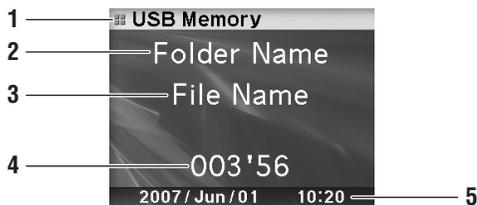
USB memory display

<USB memory screen display example (if tag information exists)>



- 1 Mode display
- 2 Song title
- 3 Album title
- 4 Artist title
- 5 Elapsed time
- 6 Calendar/Time

<USB memory screen display example (if no tag information exists)>



- 1 Mode display
- 2 Folder name*1
- 3 File name
- 4 Elapsed time
- 5 Calendar/Time

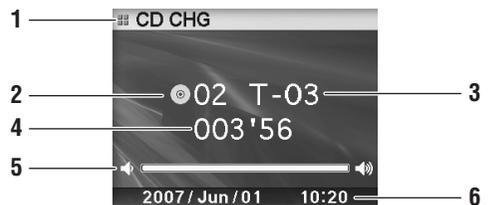
Changer display

<Changer CD screen display example (if CD text exists)>



- 1 Mode display
- 2 CD text (disc name)*2
- 3 CD text (track name)*2
- 4 Disc number
- 5 Track number
- 6 Elapsed time
- 7 Calendar/Time

<Changer CD screen display example (if no CD text exists)>



- 1 Mode display
- 2 Disc number
- 3 Track number
- 4 Elapsed time
- 5 Volume
- 6 Calendar/Time

<Changer MP3 screen display example (if tag information exists)>



- 1 Mode display
- 2 Song title
- 3 Album title
- 4 Artist title
- 5 Elapsed time
- 6 Calendar/Time

<Changer MP3 screen display example (if no tag information exists)>



- 1 Mode display
- 2 Folder name*1
- 3 File name
- 4 Disc number
- 5 Folder number
- 6 File number
- 7 Elapsed time
- 8 Calendar/Time

*1 About Folder Name display, "ROOT" is displayed for the root folder which does not have folder name.

*2 Displayed during playback of a disc with CD Text.

- If there is tag information, artist name/album name/track name is displayed.
- ID3 tag/WMA tag
If an MP3/WMA/AAC file contains ID3 tag/WMA tag information, the ID3 tag/WMA tag information is displayed (e.g., song name, artist name, and album name). All other tag data is ignored.
- The tag information display takes priority. If there is tag information, the folder/file name is not displayed.
- "No Support" is displayed when text information is not compatible with the iDA-X001.

Playback

- 1 Press **SOURCE/⏻** to select the USB Memory or CD CHG mode.
- 2 Press **⏮** or **⏭** to select the desired track (file).

Returning to the beginning of the current track (file):

Press **⏮**.

Fast backward:

Press and hold **⏮**.

Advancing to the beginning of the next track (file):

Press **⏭**.

Fast forward:

Press and hold **⏭**.

- 3 To pause playback, press **⏸/⏹**.

Pressing **⏸/⏹** again will resume playback.

- WMA format files that are protected by DRM (Digital Rights Management), AAC format files that have been purchased from iTunes Music Store and files that are copy-protected (copyright protection) cannot be played back on this unit.
- The playback time may not be correctly displayed when a VBR (Variable Bit Rate) recorded file is played back.

Selecting a Disc (Changer) (Optional)

An optional 6-disc or 12-disc CD Changer may be connected to this unit if it is Ai-NET compatible. With a CD Changer connected to the Ai-NET input of this unit, the CD Changer will be controllable from this unit.

Using the KCA-410C (Versatile Link Terminal) multiple changers can be controlled by this unit.

See "Multi-Changer Selection (Optional)" on page 14 for selecting the CD Changers.

- The controls on this unit for CD Changer operation are operative only when a CD Changer is connected.
- The DVD changer (optional) is controllable from this unit as well as the CD changer.

- 1 Press **PRESET**.

The Disc Select screen is displayed.

- 2 Turn the **Center Jog Dial** to select a disc.

- 3 Press **ENT**.

The selected disc number appears in the display and CD/MP3 playback starts.

Multi-Changer Selection (Optional)

When using KCA-410C (Versatile Link Terminal), you can connect two changers and two external outputs (AUX).

- 1 Press **SOURCE/⏻** on this unit to activate the CD CHG mode.

- 2 Press **BAND** to activate the CD Changer Selection mode.

The CD Changer Selection mode remains active for several seconds.

- 3 Press **BAND** until the desired CD Changer appears on the display.

- For further details about the external input (AUX) when using KCA-410C, see "Setting the AUX Mode (V-Link)" on page 21.

Repeat Play

- 1 Press FUNC./SETUP.**
The Function screen is displayed.
- 2 Press ENT.**
The repeat mode is activated.
- 3 Turn the Center Jog Dial to select the Repeat playback mode.**

USB memory mode :

- Repeat One  : Only a track is repeatedly played back.
- Folder  : Only files in a folder are repeatedly played back.
- Off : Repeat mode is turned off.

CD Changer mode :

- Repeat One  : Only a file is repeatedly played back.
- Folder *  : Only files in a folder are repeatedly played back.
- Disc  : A disc is repeatedly played back.
- Off : Repeat mode is turned off.

* When an MP3 compatible CD changer is connected.

- If Repeat Disc is set to ON during M.I.X. One play in CD changer mode, M.I.X. will apply to the current disc only.
The indicator    appears in the display.

- 4 Press ENT.**
 - 5 Press FUNC./SETUP or BACK.**
The track (file) will be played repeatedly.
- To cancel, select Off in the above procedure.

M.I.X. (Random Play)

- 1 Press FUNC./SETUP.**
The Function screen is displayed.
- 2 Turn the Center Jog Dial to select M.I.X.**
- 3 Press ENT.**
The M.I.X. mode is activated.
- 4 Turn the Center Jog Dial to select the M.I.X. playback mode.**

USB memory mode :

- M.I.X. Folder  : Only files in a folder are played back in random sequence.
- All  ALL : All songs in USB memory are played back in random sequence.
- Off : M.I.X. mode is turned off.

CD Changer mode :

- M.I.X. One  : All files in a disc are played back in random sequence, and playback shifts to the next disc.
- Folder *¹  : Only files in a folder are played back in random sequence.
- All *²  : The tracks on all the CDs in the current magazine will be played back in the random sequence.
- Off : M.I.X. mode is turned off.

*¹ When an MP3 compatible CD changer is connected.

*² When a CD changer equipped with the ALL M.I.X. function is connected.

- If M.I.X. One is set to ON during Repeat Disc play in CD changer mode, M.I.X. will apply to the current disc only.

- 5 Press ENT.**
 - 6 Press FUNC./SETUP or BACK.**
The tracks (files) will be played back in random sequence.
- To cancel, select Off in the above procedure.

File/Folder Name Search (concerning MP3/WMA/AAC)

You can display and search for the folder and file name while listening to the file currently being played back.

- 1 During MP3/WMA/AAC playback, press /SEARCH to activate the search mode.**
The search mode is activated, and the folder/file name is displayed.
When USB memory is connected, the folder/file name in the first hierarchy is displayed. When a changer is connected, the folder name is displayed.
- 2 Turn the Center Jog Dial to select the desired folder/file.**
- 3 Press ENT.**
If you select a file, the selected file is played back.
If you select a folder, a folder/file(s) in the folder is displayed. Proceed to step 4.
- 4 Perform steps 2 and 3 repeatedly until you find the desired file.**
 - If a changer is connected, searching starts with the folder name, then file name, in that order.
 - If USB memory is connected, the folder/file can be searched up to the eighth hierarchy. The ninth and subsequent folder/file(s) cannot be searched and played back.
 - Press and hold **BACK** for at least 2 seconds in the search mode to cancel.
 - While in the File/Folder Name Search mode, press **BACK** to switch to the previous mode.
 - If the **Center Jog Dial** is turned two steps and held, the display can be changed continuously.
 - File/Folder Name search cannot be made during M.I.X. play.
 - If there is no file in the folder, nothing is displayed.
 - “ROOT” is displayed for the root folder which does not have folder name.

About MP3/WMA/AAC

CAUTION

Except for private use, duplicating audio data (including MP3/WMA/AAC data) or distributing, transferring, or copying it, whether for free or for a fee, without permission of the copyright holder is strictly prohibited by the Copyright Act and by international treaty.

What is MP3?

MP3, whose official name is “MPEG-1 Audio Layer 3,” is a compression standard prescribed by the ISO, the International Standardization Organization and MPEG which is a joint activity institution of the IEC.

MP3 files contain compressed audio data. MP3 encoding is capable of compressing audio data at extremely high ratios, reducing the size of music files to as much as one-tenth their original size. This is achieved while still maintaining near CD quality. The MP3 format realizes such high compression ratios by eliminating the sounds that are either inaudible to the human ear or masked by other sounds.

What is AAC?

AAC is the abbreviation for “Advanced Audio Coding,” and is a basic format of audio compression used by MPEG2 or MPEG4.

What is WMA?

WMA, or “Windows media™ Audio,” is compressed audio data. WMA is similar to MP3 audio data and can achieve CD quality sound with small file sizes.

Method for creating MP3/WMA/AAC files

Audio data is compressed by using MP3/WMA/AAC specified software. For details on creating MP3/WMA/AAC files, refer to the user’s manual for that software.

MP3/WMA/AAC file extensions that can be played back on the unit are as follows:

MP3: “mp3”

WMA: “wma” (ver. 7.1, 8, 9 supported)

AAC: “m4a”

Depending on the software that is used to create AAC, the file format may differ from the extension.

Unit playback of AAC files encoded by version 7.0 iTunes is supported.

Supported playback sampling rates and bit rates

MP3

Sampling rates: 48 kHz, 44.1 kHz, 32 kHz, 24 kHz, 22.05 kHz, 16 kHz, 12 kHz, 11.025 kHz, 8 kHz

Bit rates: 8 - 320 kbps

WMA

Sampling rates: 48 kHz, 44.1 kHz, 32 kHz, 24 kHz, 22.05 kHz, 16 kHz

Bit rates: 16 - 320 kbps

AAC

Sampling rates: 48 kHz, 44.1 kHz

Bit rates: 8 - 576 kbps

This device may not play back correctly depending on sampling rates.

ID3 tags/WMA tags

This device supports ID3 tag v1 and v2.2.0, v2.3.0 and WMA tag. The following files do not support compression, coding, grouping or non-synchronization. WMA tag is not supported for the following files, Windows Media Audio Professional, Windows Media Audio 9 Voice or Windows Media Audio 9 Pro Lossless. If tag data is in an MP3/WMA/AAC file, this device can display the title (track title), artist name, and album name ID3 tag/WMA tag data. This device can only display single-byte alphanumeric characters and the underscore. For non-supported characters, "No Support" is displayed. The tag information may not be correctly displayed, depending on the contents.

Playing back MP3/WMA/AAC

MP3/WMA/AAC files are prepared, and then written to USB memory. A USB memory device can hold up to 10000 files/1000 folders (including Root Folders). Playback may not be performed if a USB memory device exceeds the limitations described above.

Media supported

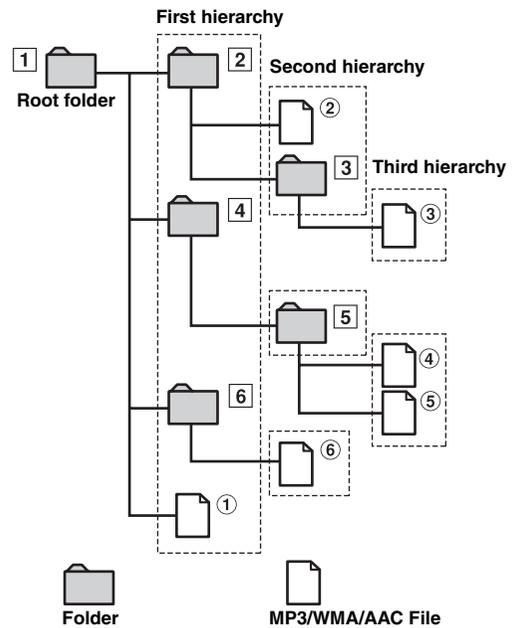
This device can play back USB memory media.

Corresponding File Systems

This device supports FAT 12/16/32.

Order of tracks

The unit plays the files in the order that the writing software writes them. Therefore, the playing order may not be the same as the order you input. The playback order of the folders and files is as follows. However, the folder and file playback order differs from the folder and file number indicated on the display.



Terminology

Bit rate

This is the "sound" compression rate specified for encoding. The higher the bit rate, the higher the sound quality, but also the larger the files.

Sampling rate

This value shows how many times per second the data is sampled (recorded). For example, music CDs use a sampling rate of 44.1 kHz, so the sound is sampled (recorded) 44,100 times per second. The higher the sampling rate, the higher the sound quality, but also the larger the volume of data.

Encoding

Converting music CDs, WAVE (AIFF) files, and other sound files into the specified audio compression format.

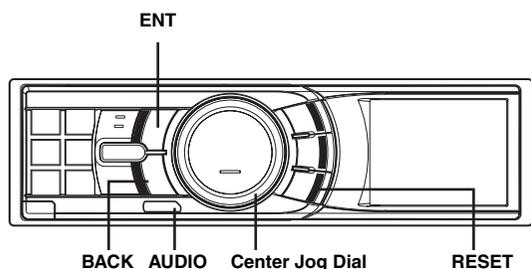
Tag

Song information such as track titles, artist names, album names, etc., written into MP3/WMA/AAC files.

Root folder

The root folder is found at the top of the file system. The root folder contains all folders and files.

Sound Setting



Adjusting Bass/Treble/Balance (Between Left and Right)/Fader (Between Front and Rear)

1 Press **AUDIO** repeatedly to choose the desired mode.

Each press changes the mode as follows:

Subwoofer*¹ → Bass → Treble → Balance → Fader → Volume → Subwoofer*¹

Subwoofer: 00 ~ 15

Bass level: -7 ~ +7

Treble level: -7 ~ +7

Balance: Left15 ~ Right15

Fader: Rear15 ~ Front15

- If **AUDIO** is not pressed for 15 seconds after selecting the Subwoofer, Bass, Treble, Balance or Fader mode, the unit automatically returns to normal mode.

*¹ When the subwoofer mode is set to OFF, its level cannot be adjusted.

2 Turn the **Center Jog Dial** until the desired sound is obtained in each mode.

- Depending on the connected devices, some functions and display indications do not work.

Setting the MX mode

MX (Media Xpander) makes vocals or instruments sound distinct regardless of the music source. The FM radio, CD, and MP3/WMA/AAC, will be able to reproduce the music clearly even in cars with a lot of road noise.

1 Press and hold **AUDIO** for at least 2 seconds.

The Audio Setup screen is displayed.

2 Turn the **Center Jog Dial** to select MX, and press **ENT**.

The MX On/Off setting mode is activated.

3 Turn the **Center Jog Dial** to select On, and press **ENT**.

MX On is selected.

4 Turn the **Center Jog Dial** to select MX Setup, and press **ENT**.

The MX setting mode is activated.

5 Turn the **Center Jog Dial** to select the desired mode, and press **ENT**.

FM (Level 1 to 3, Non Effect):

The medium to high frequencies become clearer, and produces well balanced sound at all frequencies.

CD (Level 1 to 3, Non Effect):

CD mode processes a large amount of data during playback. MX takes advantage of this large data quantity to reproduce a more clear, clean output.

MP3/WMA/AAC/SAT/HD Radio/Bluetooth Audio (Level 1 to 3, Non Effect):

This corrects information that was lost at the time of compression. This reproduces a well-balanced sound close to the original.

DVD (Video CD)

(Level 1 to 2 (MOVIE), Non Effect):

The dialogue portion of a video is reproduced more clearly.

(Level 3 (MUSIC), Non Effect):

A DVD or Video CD contains a large quantity of data such as music clip. MX uses this data to reproduce the sound accurately.

AUX (Level 1 (MP3/WMA/AAC), Level 2 (MOVIE), Level 3 (MUSIC), Non Effect):

Choose the MX mode (MP3/WMA/AAC, MUSIC, or MOVIE) that corresponds to the media connected.

If two external devices are connected, a different MX mode for each media can be selected.

6 Press and hold **BACK** for at least 2 seconds.

The unit returns to normal mode.

- To cancel MX mode for all music sources, set MX to Off in step 3.
- Each music source, such as FM radio, CD, and MP3/WMA/AAC can have its own MX setting.
- When the source changes from "MP3/WMA/AAC to CD-DA" or "CD-DA to MP3/WMA/AAC", MX-mode switching may delay playback slightly.
- Setting to MX Off sets MX mode of each music source to Off.
- There is no MX mode for AM radio. (except HD radio)
- If an audio processor with the MX function (PXA-H701, etc.) is connected, its own MX processing is applied to the music source. Since the processor MX settings may not match the head unit, the audio processor needs to be adjusted. For details, refer to the Owner's Manual of the audio processor.
- "SAT" is applied for XM radio and SIRIUS radio.
- If **BACK** is pressed during setting, the unit returns to the previous item.

Equalizer Presets

9 typical equalizer settings are preset at the factory for a variety of musical source material.

- 1 Press and hold **AUDIO** for at least 2 seconds.**
The Audio Setup screen is displayed.
 - 2 Press **ENT** while being selected **Factory's EQ**.**
The Factory's EQ setting mode is activated.
 - 3 Turn the **Center Jog Dial** to select the desired equalizer characteristic, and press **ENT**.**
 - 4 Press **BACK**.**
The unit returns to normal mode.
- If **BACK** is pressed during setting, the unit returns to the previous item.

Setting the Subwoofer

The setting is made when an optional subwoofer is connected. If connected, the phase of the subwoofer output can be switched. Select the phase that your desired sound is obtained.

- 1 Press and hold **AUDIO** for at least 2 seconds.**
The Audio Setup screen is displayed.
 - 2 Turn the **Center Jog Dial** to select the **Subwoofer**, and press **ENT**.**
The Subwoofer On/Off setting mode is activated.
 - 3 Turn the **Center Jog Dial** to select **On**, and press **ENT**.**
 - 4 Turn the **Center Jog Dial** to select **SUBW.Phase**, and press **ENT**.**
The Subwoofer phase selection mode is activated.
 - 5 Turn the **Center Jog Dial** to switch the phase of the subwoofer output, and press **ENT**.**
Select the phase to your preference.
Normal ↔ Reverse
 - 6 Press **BACK**.**
The unit returns to normal mode.
- If **BACK** is pressed during setting, the unit returns to the previous item.
 - If **OFF** is set in step 3, the phase cannot be switched.

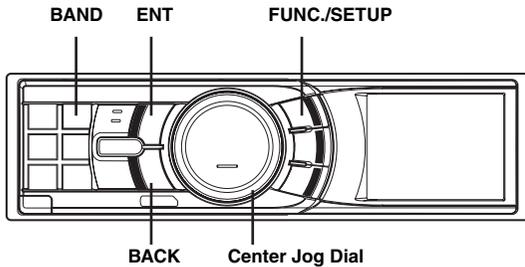
Operating the External Audio Processor

You can call up the preset memory of the external audio processor from this unit.

- 1 Press and hold **PRESET** for at least 2 seconds to call the external audio processor mode when the external audio processor is connected.**
The AP Preset screen is displayed.
 - 2 Turn the **Center Jog Dial** to select the preset number, and press **ENT**.**
- For the operation of external audio processor, refer to the Owner's Manual of the external audio processor you purchased.

SETUP

You can flexibly customize the unit to suit your own preferences and usage. Choose the SETUP menu from General Setting, Display Setting, etc., to select your desired setting.



A typical SETUP procedure is shown in steps 1 to 5 as follows. See below for further information about each SETUP menu.

1 Press and hold FUNC./SETUP for at least 2 seconds to activate the SETUP selection mode.

2 Turn the Center Jog Dial to select the desired item, and then press ENT.

Bluetooth ↔ General ↔ Display ↔ iPod ↔ XM* ↔ SIRIUS* ↔ HD Radio*
(e.g. Select General)

* Only when HD / SAT receiver is connected.

3 Turn the Center Jog Dial to select a setting item, and then press ENT.
(e.g. Select Beep)

Bluetooth:
Bluetooth IN

General:
Clock Mode ↔ Clock Adjust*¹ ↔ Calendar Type ↔ Daylight Time ↔ Play Mode ↔ Beep ↔ Int Mute ↔ Int Audio ↔ CHG Name*² ↔ AUX IN ↔ AUX Name*³ ↔ P.IC ↔ Language ↔ Demo

Display:
Illumination ↔ Dimmer ↔ Dimmer Level ↔ Text Scroll ↔ BGV Select ↔ BGV Download

iPod:
Playlist ↔ Artist ↔ Album ↔ Podcast ↔ Audiobook ↔ Genre ↔ Composer ↔ Song

XM*⁴:
XM ADF

SIRIUS*⁴:
Game Alert

HD Radio*⁵:
Station Call ↔ Digital Seek

*¹ Refer to "Setting the Time and Calendar" (page 7).

*² The setting can be made only when a changer is connected.

*³ The setting can be made only when AUX IN is set to ON.

*⁴ Displayed only when SAT radio receiver is connected.

For the SAT Radio Setting, refer to "SAT Radio Receiver (Optional)" (page 23).

*⁵ Displayed only when HD Radio TUNER MODULE (TUA-T500 HD) is connected.

4 Turn the Center Jog Dial to change the setting, and then press ENT.

(e.g. Select Beep On or Beep Off.)

5 Press and hold BACK for 2 seconds to return to normal mode.

- Pressing **BACK** during the procedure will return to the previous mode.
- If the **Center Jog Dial** is turned 2 steps and held, you can change items continuously.

Bluetooth Setting

Select Bluetooth from the setup main menu in step 2 above.

If an optional Bluetooth Box is connected, you can place a hands-free call by a Bluetooth- equipped mobile phone.

Make this setting when the Bluetooth Box is connected and the Bluetooth function is used. For details, refer to the Owner's Manual of the optional Bluetooth Box.

- When Int Mute is set to On, the Bluetooth setting cannot be made. When the Bluetooth box is connected, set Int Mute to Off. Refer to "Turning Mute Mode On/Off (Int Mute)" (page 21).

Setting the Bluetooth Connection

Bluetooth IN Adapter / Bluetooth IN Off (Initial Setting)

General Setting

General is selected on the setup main menu in step 2.

Setting the Clock Display (Clock Mode)

24H Type / 12H Type (Initial setting)

You can select the clock display type, 12-hour or 24-hour, depending on your preference.

Setting of Calendar Display Pattern Switching (Calendar Type)

M/D/Y (Initial setting) / D/M/Y / Y/M/D

You can switch the calendar display pattern to be shown when the time is displayed.

Y : shows the year
M : shows the month
D : shows the day
ex. M/D/Y → Dec/31/2007

Setting Daylight Saving Time (Summer Time)

On / Off (Initial setting)

On: Turn Daylight Saving Time mode ON. The time advances by one hour for areas observing Daylight Saving Time.
Off: Return to the ordinary time.

Connecting an MP3 Changer (Play Mode)

CDDA (Initial setting) / CDDA & MP3

Perform this setting when connecting MP3 changer. MP3 changer can playback CDs containing both CD and MP3 data. However, in some situations (some enhanced CDs), playback may be difficult. For these special cases, you can select playback of CD data only. When a disc contains both CD or the MP3 data, playback starts from the CD data portion of the disc.

CDDA : Only CD data can be played back.
CDDA & MP3 : Both CD data and MP3 file tracks can be played back.

- Change discs after performing this setting.

Sound (Beep) Guide Function

Beep On (Initial setting) / Beep Off

This function will give audible feedback with varying tones depending upon the button pressed.

Turning Mute Mode On/Off (Int Mute)

Int Mute On (Initial setting) / Int Mute Off

If a device having the interrupt feature is connected, audio will be automatically muted whenever the interrupt signal is received from the device.

- When Bluetooth is set to Adapter, Int Mute cannot be set. Refer to "Setting the Bluetooth Connection" (page 20).
- When the Bluetooth box is connected, set Int Mute to Off.

Setting Tone Defeat for External Devices (Int Audio)

Int Audio On / Int Audio Off (Initial setting)

When inputting external devices to this unit, turning tone defeat on will bypass EQ and MX, i.e., sound for external devices is output at the default setting.

Setting the Changer Name (CHG Name)

CHG (Initial setting)/PMD

When an optional changer is connected, you can set the displayed mode name.

- The setting can be made only when a changer is connected. When two changers are connected, the CHG1 Name/CHG2 Name is displayed, and the setting can be made respectively.

Setting the AUX Mode (V-Link)

AUX IN On / AUX IN Off (Initial setting)

You can input TV/video sound by connecting an optional Versatile Link Terminal (KCA-410C) to this component.

You can change the AUX name display when AUX IN is set to On.

When AUX IN is set to On, select the AUX Name mode by turning the **Center Jog Dial**, then press **ENT**.

After that, turn the **Center Jog Dial** to select the desired AUX name, then press **ENT**.

If the KCA-410C is connected, it is possible to select two AUX names.

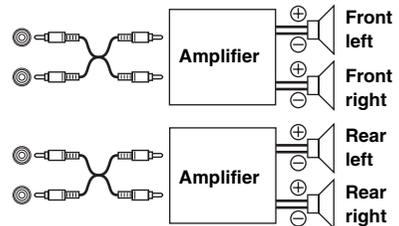
- Via KCA-410C, up to 2 external devices with RCA output can be connected. In this case, press **SOURCE/** to select AUX mode and then press **BAND** to select your desired device.

Connecting to an External Amplifier (P.IC)

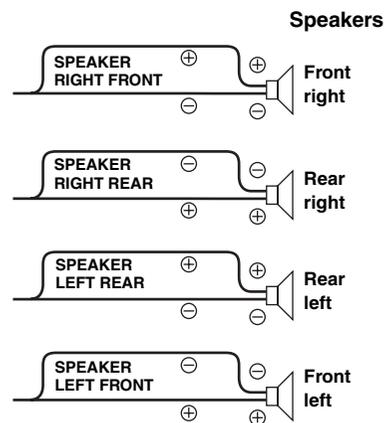
P.IC On (Initial setting) / P.IC Off

When an external amplifier is connected, sound quality can be improved by stopping the power supply of the built-in amplifier.

- P.IC Off : Use this mode when the front and rear pre-amplifiers of the unit are used to drive an external amplifier connected to the speakers. In this setting, the head unit's internal amplifier has no output to drive speakers.



- P.IC On : The speakers are driven by the built-in amplifier.



- No sound is produced by the system when the power output is set to OFF.

Setting the Language Font

Language 1 (Initial Setting) / Language 2

You can select between two types of language fonts.

- Language 1 : Normal Font
Language 2 : European Font

Demonstration

Demo On / Demo Off (Initial setting)

This unit has a Demonstration feature for the display.

- To quit Demo mode, set to Demo OFF.

Display Setting

Display is selected on the setup main menu in step 2.

Changing Lighting Color (Illumination)

Illumination Blue (Initial setting) / Illumination Red

You can change the lighting color of the buttons.

Dimmer Control

Dimmer On / Dimmer Off (Initial setting)

Set the Dimmer control to On to decrease the illumination brightness of the unit with the head lights of the vehicle ON. This mode is useful if you feel the unit's backlighting is too bright at night.

Setting the Display Dimmer (Dimmer Level)

Dimmer Level1 (initial setting) / Level2 / Level3

In the display Dimmer On setting, three levels are available, the highest level (Level 3) being the dimmest when the car headlights are on.

Scroll Setting (Text Scroll)

Text Scroll On / Text Scroll Off (Initial setting)

You can set a scroll type such as song title or file name on the source screen. If the search mode screen displays fills with text, the display scrolls.

- Text Scroll On : Text information are scrolled automatically.
- Text Scroll Off : The first display scrolls text information one time only.

- In parts of the display, scrolling may not occur, or scroll content may differ.
- Regardless of this setting, if the display is filled with text, the display scrolls.

Switching the Display Type (BGV Select)

BGV Select Type 1 (Initial setting) / Type 2 / Type 3 / User

You can select your favorite display for background from 3 types. To display downloaded data on the unit, select User. Refer to "Downloading the Wallpaper (BGV Download)" (page 22).

Downloading the Wallpaper (BGV Download)

This setting can be made only when the USB memory mode is set.

Wallpaper data is available on the web site used only for Alpine products Owner's. After downloading this wallpaper and saving on USB memory, the Wallpaper can be stored to the unit.

To start the download, access the URL below and follow the on-screens instructions.

<https://i-personalize.alpine.com/>

1 Turn the Center Jog Dial to select BGV Download, and press ENT.

Data in the USB memory is searched and maximum 10 files are displayed.

2 Turn the Center Jog Dial to select a file, and press ENT.

The selected file is downloaded to the unit.

- The downloaded data extension is "apn".
- You cannot display your own wallpaper you made.
- To display the wallpaper you have downloaded to the unit, select User in "Switching the Display Type (BGV Select)" (page 22).

iPod Setting

iPod is selected on the setup main menu in step 2.

iPod Search Mode Setting

On / Off

The unit allows you to search for the iPod using eight different search modes.

When the search mode is in Playlist/Artist/Album/Podcast/Audiobook, the initial setting is On, and when the search mode is in Genre/Composer/Song, the initial setting is Off.

- For search mode details, refer to "Searching for a desired Song/Title" (page 11).

HD Radio Setting (Only when HD Radio is connected)

HD Radio is selected on the setup main menu in step 2.

HD Radio Station Call Setting

Station Call Long / Station Call Short (Initial setting)

In the HD radio mode, the number of display characters for the HD radio station name can be selected.

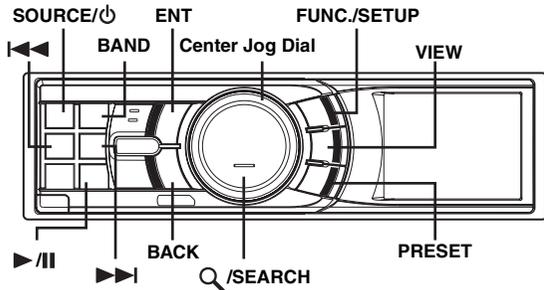
- Long : 56 characters
- Short : 8 characters (FM)
4 characters (AM)

Digital Seek On/Off Setting

Digital Seek On / Digital Seek Off (Initial Setting)

- On : SEEK UP/DOWN is used only for Digital Radio Station.
- Off : SEEK UP/DOWN is used for all Radio Stations.

SAT Radio Receiver (Optional)

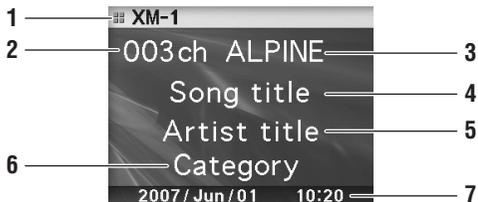


SAT Receiver: XM or SIRIUS Receiver
When an optional XM or SIRIUS Receiver Box is connected via the Ai-NET bus, the following operations may be performed. However, the XM Receiver and SIRIUS Receiver cannot be connected at the same time.

SIRIUS Receiver: Verify the features of the connected SIRIUS Receiver Box. Not all SIRIUS Receivers have identical functions and some may not be performed on this unit. For details about individual functions, refer to the SIRIUS Receiver's Owner's Manual.

How to View the Display

<XM screen display example>



- 1 Mode display
- 2 Channel number
- 3 Radio station name
- 4 Song title
- 5 Artist title
- 6 Category name
- 7 Calendar/Time

<SIRIUS screen display example>



- 1 Mode display
- 2 Channel number
- 3 Radio station name
- 4 Song title
- 5 Artist title
- 6 Category name (Composer name)
- 7 Calendar/Time

Receiving Channels with the SAT Radio Receiver (Optional)

About SAT Radio

Satellite Radio* is the next generation of audio entertainment, with over 100 digital audio channels. For a small monthly fee, subscribers can hear crystal-clear music, sports, news and talk, coast-to-coast via satellite. For more information, visit XM's website at www.xmradio.com, or SIRIUS' website at www.sirius.com.

To receive SAT Radio, the separately sold XMDirect™ or SIRIUS Satellite Radio Tuner and an appropriate Ai-NET Interface Adapter will be required. For details, consult your nearest Alpine dealer.

* XM and its corresponding logos are trademarks of XM Satellite Radio Inc.

* SIRIUS and its corresponding logos are trademarks of SIRIUS Satellite Radio Inc.

• The SAT Receiver controls on the iDA-X001 are operative only when a SAT Receiver is connected.

1 Press SOURCE/⏻ to activate the SAT Radio mode.

2 Press BAND to select one of the three SAT Radio Preset Bands.

Each press changes the band:

XM mode:

XM-1 → XM-2 → XM-3 → XM-1

SIRIUS mode:

SIRIUS-1 → SIRIUS-2 → SIRIUS-3 → SIRIUS-1

3 Press ◀◀ or ▶▶ to select the desired channel.

Holding down ◀◀ or ▶▶ will change channels continuously.

• When using the optional remote control (RUE-4190, etc.), an SAT Radio Channel can be directly called up with the numeric keypad of the remote control.

1 While in XM or SIRIUS Radio mode, enter the Channel number you want to call up with the numeric keypad on the remote control.

2 Press ENTER on the remote control within 5 seconds to receive the Channel.
If the channel number is 3 digits, the Channel is automatically received after the channel number has been input.

Checking the SAT Radio ID Number

A unique Radio ID number is required to subscribe to SAT Radio programming. Each third party XM or SIRIUS radio comes with this number. This number is an 8 character (for XM Radio) or 12 character (for SIRIUS Radio) alphanumeric number. It is printed on a label found on the SAT Receiver.

It can also be displayed on the screen of the iDA-X001 in the following way.

XM:

- 1 While receiving a XM Radio band, press **◀◀** or **▶▶** to select channel "0" for XM.
- 2 To cancel the ID number display, select the channel other than "0."

SIRIUS:

- 1 While receiving a SIRIUS Radio band, press **◀◀** or **▶▶** to select channel "255" for SIRIUS.
- 2 To cancel the ID number display, set the channel to other than "255".

- You cannot use "O," "S," "I," or "F" for the ID Number (XM radio Receiver only).
- You can check the ID number printed on a label on your third party, SAT Radio Receiver package.

Storing Channel Presets

- 1 Press **BAND** to select the desired band you want to store.
- 2 Press **PRESET**.
The Preset screen is displayed.
- 3 Turn the **Center Jog Dial** to select the preset number.
- 4 Press and hold **ENT** for at least 2 seconds.
The selected station is stored.
- 5 Repeat the procedure to store up to 5 other channels onto the same band.

- To use this procedure for other bands, simply select the band desired and repeat the procedure.
- A total of 18 channels can be stored in the preset memory (6 channels for each band; XM-1, XM-2 and XM-3 or SIRIUS-1, SIRIUS-2 and SIRIUS-3).
- If you store a channel in a preset memory which already has a station, the current channel will be cleared and replaced with the new one.

Receiving Stored Channels

- 1 Press **BAND** to select the desired band.
- 2 Press **PRESET**.
The Preset screen is displayed.
- 3 Turn the **Center Jog Dial** to select a radio station.
- 4 Press **ENT**.

Storing the desired Sports Team (SIRIUS only)

Store a favorite team from one of the available leagues SIRIUS covers. Once stored, game times and scores for that team are announced using the interruption Alert display while receiving other programming. To receive these announcements, refer to page 25.

This function becomes effective after performing the following two operations.

Storing while receiving a game broadcast

- 1 Select the channel broadcasting your favorite team's game.
- 2 Press **FUNC./SETUP** to activate the Function mode.
- 3 While selecting Alert Memory, press **ENT** to activate the Memory mode.
- 4 Turn the **Center Jog Dial** to select the desired team for the game being broadcast, and then press **ENT**.
- 5 Turn the **Center Jog Dial** to select alert type, and then press **ENT**.

Initial (Initial setting) ↔ Update

Initial: The Alert display interrupts when the game begins.

Update: The Alert display interrupts by game progress (change of score, game result, etc.).

- 6 Press **FUNC./SETUP** or **BACK** to cancel the Function mode.

Game Alert Setup

- 1 Press and hold **FUNC./SETUP** for at least 2 seconds to enter the Setup mode.
- 2 Turn the **Center Jog Dial** to select a SIRIUS item, and then press **ENT**.
- 3 Press **ENT** to select Game Alert.
- 4 Turn the **Center Jog Dial** to select the desired league, and then press **ENT**.
- 5 Turn the **Center Jog Dial** to select a team you want to store, and then press **ENT**.
- 6 Turn the **Center Jog Dial** to select an alert type, and then press **ENT**.

Initial (Initial setting) ↔ Update

Initial: The Alert display interrupts when the game begins.

Update: The Alert display interrupts by game progress (change of score, game result, etc.).

- 7 Press and hold **BACK** for at least 2 seconds to cancel the SETUP mode.

- Pressing **BACK** returns to the previous Setup mode.
- If **BACK** is pressed and held for at least 2 seconds, the setting mode is canceled.
- You can store a maximum of one team per league.

Storing the desired Song / Artist (SIRIUS only)

A stored song title or artist name is announced whenever a matching title or artist is found on another channel. The interruption Alert is displayed while listening to a program on another channel. For receiving interruption information, refer to "Recalling the stored information (SIRIUS only)" (page 25).

- 1 Press **FUNC./SETUP** to activate the Function mode when a Song or the song of an Artist you want to store is being broadcast.
- 2 While selecting Alert Memory, press **ENT** to activate the Memory mode.
- 3 Turn the **Center Jog Dial** to select Song or Artist, and then press **ENT**.
- 4 Turn the **Center Jog Dial** to select the song name or artist name, and then press **ENT**.
- 5 Press **FUNC./SETUP** or **BACK** to cancel the Function mode.

- When you want to store but the memory area is filled, Alert list is displayed. If you want to replace the Song title or Artist name after you have performed the procedure in step 3, turn the **Center Jog Dial**, and then press **ENT**.

Recalling the stored information (SIRIUS only)

Whenever the stored sports team, song(s) or artist(s) are playing, an interruption Alert appears in the display of the unit.

- 1 After displaying "Game Alert," "Song Alert" or "Artist Alert," an alert list will be automatically displayed.
- 2 Turn the **Center Jog Dial** to select the desired information.
- 3 Press **ENT**.
The selected channel containing the desired information is received.

- If no operation is performed for 10 seconds, the unit returns to normal mode.
- Only a single sports team, song or artist can be displayed as an interruption Alert. For example, both song and artist cannot be displayed as an Alert at the same time.

Canceling the stored Alert Memory (SIRIUS only)

- 1 During usual reception, press **FUNC./SETUP** to turn the Function mode.
- 2 Turn the **Center Jog Dial** to select Alert Delete, and press **ENT**.
The memory list appears.
- 3 Turn the **Center Jog Dial** to select a list you want to delete, and then press **ENT**.
- 4 Press **FUNC./SETUP** or **BACK** to cancel the Function mode.

Search Function

You can search for programs by Category, Channel, Artist or Song.

- 1 Press **Q/SEARCH** in the XM or SIRIUS mode.
- 2 Turn the **Center Jog Dial** to select Search mode, and then press **ENT**.

Artist* ↔ Song* ↔ Category ↔ Channel

* SIRIUS Only

Category Search mode:

- 3 Turn the **Center Jog Dial** to select the desired **Category**, and then press **ENT**.
 - 4 Turn the **Center Jog Dial** to select the desired **Channel Name**, and then press **ENT**.
- While in Category Search mode, press **BACK** to return to the selecting search mode.
 - The Search mode is canceled if you press and hold **BACK** for at least 2 seconds in Category Search mode.
 - If the **Center Jog Dial** is turned two steps and held, the display can be changed continuously.
 - If Alert interruption occurs in the search mode, the search mode is canceled.

Channel/Artist/Song Search mode:

- 3 Turn the **Center Jog Dial** to select the desired **Channel/Artist/Song Name**, and then press **ENT**.
- While in Channel/Artist/Song Search mode, press **BACK** to return to the selecting search mode.
 - The Search mode is canceled if you press and hold **BACK** for at least 2 seconds in Channel/Artist/Song Search mode.
 - Channel search is possible only in the category (last mode).
 - If the **Center Jog Dial** is turned two steps and held, the display can be changed continuously.
 - If Alert interruption occurs in the search mode, the search mode is canceled.

Receiving Weather or Traffic Information from SAT Radio

- 1 Select the **SAT Radio Channel** for your local **traffic/ weather information**.
 - 2 Press and hold **▶/||** for at least 2 seconds in the **SAT mode**.
The received weather or traffic channel is stored.
 - 3 Press and hold **BAND** for at least 2 seconds.
The stored Weather or Traffic channel will be recalled.
 - 4 Press and hold **BAND** for at least 2 seconds.
Returns to normal mode.
- Channel other than Weather or Traffic can also be stored and recalled.

Instant Replay Function (SIRIUS only)

In SIRIUS mode, the current channel is saved using the Instant Replay memory function. Use this function to pause the channel content at any time. When playback is continued, it will begin at the position it was paused. This function can be used to store up to 44 minutes of audio.

- 1 During SIRIUS reception, press **▶/||** to select the **Instant Replay mode**.
"Pause" is displayed, and the received station is stored.
- 2 Press **▶/||** again to select the **play mode**.
The stored contents are played back.



During Instant Replay playback:

- Fast reverse:** Press and hold **◀◀**.
Fast forward: Press and hold **▶▶**.

- If you continue to press **Fast forward** until the end, the **Instant Replay mode** is canceled, and the unit will change to usual reception.
- 3 Press **BACK** for at least 2 seconds to cancel the **Instant Replay mode**.
The unit returns to usual SIRIUS broadcasting mode.

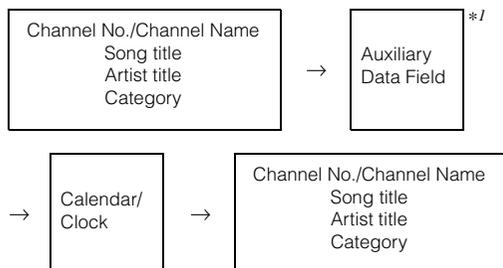
Changing the Display

Text information, such as the channel name, artist name/feature, and song/program title, is available with each XM or Sirius channel. The unit can display this text information as explained below.

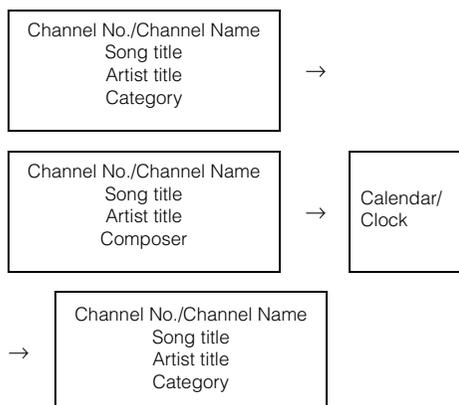
In XM or SIRIUS mode, press VIEW.

Each time you press this button, the display changes as shown below.

XM mode:



SIRIUS mode:



^{*1} When ADF is turned OFF, this information is not displayed (see "Setting the Auxiliary Data Field Display" on page 27).

- When the "Scroll Setting (Text Scroll)" (page 22) is set to "Auto," the channel name and song title scrolls continuously. When the Scroll Setting is set to "Manual," the channel name and song title scrolls only once.
- Depending on the model, the display may differ from the one shown above.

Setting the Auxiliary Data Field Display

The XM Auxiliary Data Field (ADF) display can be switched on or off. There is no ADF function for the SIRIUS receiver.

- 1 Press and hold FUNC./SETUP for at least 2 seconds to enter the Setup mode.**
- 2 Turn the Center Jog Dial to select the XM mode, and then press ENT.**
- 3 Press ENT to select XM ADF.**
- 4 Turn the Center Jog Dial to select On/Off, and then press ENT.**
When setting to On, Auxiliary Data Field is displayed by pressing VIEW (Refer to the "Changing the Display" section page 27.)
- 5 Press and hold BACK for 2 seconds to return to normal mode.**

- Pressing **BACK** during the procedure will return to the previous mode.

Information

In Case of Difficulty

If you encounter a problem, please turn the power off, then on again. If the unit is still not functioning normally, please review the items in the following checklist. This guide will help you isolate the problem if the unit is at fault. Otherwise, make sure the rest of your system is properly connected or consult your authorized Alpine dealer.

Basic

No function or display.

- Vehicle's ignition is off.
 - If connected following instructions, the unit will not operate with the vehicle's ignition off.
- Improper power lead (Red) and battery lead (Yellow) connections.
 - Check power lead and battery lead connections.
- Blown fuse.
 - Check the fuse of the unit; replace with the proper value if necessary.
- Internal micro-computer malfunctioned due to interference noise etc.
 - Press the RESET switch with a ball-point pen or other pointed article.

Radio

Unable to receive stations.

- No antenna or open connection in cable.
 - Make sure the antenna is properly connected; replace the antenna or cable if necessary.

Unable to tune stations in the seek mode.

- You are in a weak signal area.
 - Make sure the tuner is in the DX mode.
- If the area you are in is a primary signal area, the antenna may not be grounded and connected properly.
 - Check your antenna connections; make sure the antenna is properly grounded at its mounting location.
- The antenna may not be the proper length.
 - Make sure the antenna is fully extended; if broken, replace the antenna with a new one.

Broadcast is noisy.

- The antenna is not the proper length.
 - Extend the antenna fully; replace it if it is broken.
- The antenna is poorly grounded.
 - Make sure the antenna is grounded properly at its mounting location.

MP3/WMA/AAC

MP3, WMA or AAC is not played back.

- Writing error occurred. The MP3/WMA/AAC format is not compatible.
 - Make sure the MP3/WMA/AAC has been written in a supported format. Refer to "About MP3/WMA/AAC" (pages 16-17), then rewrite in the format supported by this device.

Audio

The sound is not output from the speakers.

- Unit has no output signal of the internal amplifier.
 - P.IC is switched to "ON" (page 21).

iPod

iPod does not play and no sound is output.

- The iPod has not been recognized.
 - Reset this unit and the iPod. Refer to "Initial System Start-Up" (page 6). To reset the iPod, refer to the Owner's Manual of the iPod.

Indication for iPod Mode (USB connection)

Current Error

- Abnormal current is run to the USB connector device (an error message may be displayed if the USB device that is not compatible with the unit is connected).
 - Attempt to connect another iPod.

USB Device Error

- An iPod that is not supported by the unit is connected.
 - Connect an iPod that is supported by the unit.

No USB Device

- An iPod is not connected.
 - Make sure the iPod is correctly connected and the cable is not excessively bent.

No Song

- There are no songs in the iPod.
 - Download songs to the iPod and connect to this unit.

No Support

- Text information that is not supported on the unit has been input.
 - Use an iPod in which text information is input that is supported on the unit.

Error 01

- Communication error
 - Turn the ignition key off, and then set to ON again.
 - Verify in the display after reconnecting the iPod to the iPod Dock interface cable and to the USB cable.

Error 02

- Caused by the iPod Software Version not being compatible with this unit.
 - Update the iPod Software Version to be compatible with this unit.

iPod Error

- The iPod is not verified.
 - Reset the iPod.
 - Try another iPod.
-

Indication for iPod Mode (Direct connection)

No iPod

- The iPod is not connected.
 - Make sure the iPod is correctly connected (refer to “Connections”).
 - Make sure the cable is not bent excessively.
-

No Song

- There are no songs in the iPod.
 - Download songs to the iPod and connect to this unit.
-

Error 01

- Communication error
 - Turn the ignition key off, and then set to ON again.
 - Check the display by reconnecting between the iPod and this unit using the FULL SPEED™ Connection Cable (KCE-422i).
-

Error 02

- Caused by the iPod Software Version not being compatible with this unit.
 - Update the iPod Software Version to be compatible with this unit.
-

Indication for USB memory

Current Error

- Abnormal current is run to the USB connector device (an error message may be displayed if the USB device that is not compatible with the unit is connected).
USB memory is a malfunction or it is shorted.
 - Connect another USB memory.
-

USB Device Error

- A USB device that is not supported by the unit is connected.
 - Connect a USB device that is supported by the unit.
-

No USB Device

- A USB memory is not connected.
 - Make sure the USB memory device is correctly connected and the cable is not excessively bent.
-

No Song

- No song (file) is stored in the USB memory.
 - Connect the USB memory device after storing songs (files).
-

Unsupported

- A sampling rate/bit rate not supported by the unit is used.
 - Use a sampling rate/bit rate that is supported by the unit.
-

Protect

- A copy-protected WMA file was played back.
 - You can only play back non-copy-protected files.
-

No Support

- Text information that is not recognizable by the unit has been input.
 - Use a USB memory device with input text information that is supported by the unit.
-

Indication for CD Changer

High Temperature

- Protective circuit is activated due to high temperature.
 - The indication will disappear when the temperature returns to normal operating range.
-

Error 01

- Malfunction in the CD Changer.
 - Consult your Alpine dealer. Press the magazine eject button and pull out the magazine.
Check the indication. Insert the magazine again.
If the magazine cannot be pulled out, consult your Alpine dealer.
 - Magazine ejection not possible.
 - Press the magazine eject button. If the magazine does not eject, consult your Alpine dealer.
-

Error 02

- A disc is left inside the CD Changer.
 - Press the eject button to activate the eject function. When the CD Changer finishes the eject function, insert an empty CD magazine into the CD Changer to receive the disc left inside the CD Changer.
-

No Magazine

- No magazine is loaded into the CD Changer.
 - Insert a magazine.
-

No Disc

- No indicated disc.
 - Choose another disc.
-

Indication for SAT Receiver Mode

Antenna

- The XM or SIRIUS antenna is not connected to the XM or SIRIUS radio module.
 - Check whether the XM or SIRIUS antenna cable is attached securely to the XM or SIRIUS radio module.
-

Updating

- Radio is being updated with latest encryption code.
 - Wait until encryption code is being updated. Channels 0 and 1 should function normally.
-

No Signal

(XM mode)

Acquiring Signal

(SIRIUS mode)

- XM or SIRIUS signal is too weak at the current location.
 - Wait until the car reaches a location with a stronger signal.
-

Loading

- Radio is acquiring audio or program information.
 - Wait until the radio has received the information.
-

Off Air

(XM mode)

Acquiring Signal

(SIRIUS mode)

- The channel currently selected has stopped broadcasting.
 - Select another channel.
-



- The user has selected a channel number that does not exist or is not subscribed to.
 - The unit will revert back to the previously selected channel.
 - There is no artist name/feature, song/program title, or additional information associated with the channel at that time.
 - No action needed.
-

Error

- If an error or other problem occurs.
 - Change channels or consult your Alpine dealer.
-

Specifications

FM TUNER SECTION

Tuning Range	87.7-107.9 MHz
Mono Usable Sensitivity	9.3 dBf (0.8 μ V/75 ohms)
50 dB Quieting Sensitivity	13.5 dBf (1.3 μ V/75 ohms)
Alternate Channel Selectivity	80 dB
Signal-to-Noise Ratio	65 dB
Stereo Separation	35 dB
Capture Ratio	2.0 dB

AM TUNER SECTION

Tuning Range	530-1,710 kHz
Sensitivity (IEC Standard)	22.5 μ V/27 dB

USB SECTION

USB requirements	USB 1.1/2.0
Max. Power Consumption	500mA
USB Class	Mass Storage
File System	FAT 12/16/32
MP3 Decoding	MPEG-1/2 AUDIO Layer-3
WMA Decoding	Windows Media™ Audio
AAC Decoding	AAC-LC format “.m4a” file
Number of Channels	2-Channel (Stereo)
Frequency Response*	5-20,000 Hz (\pm 1 dB)
Total Harmonic Distortion	0.008% (at 1 kHz)
Dynamic Range	95 dB (at 1 kHz)
Signal-to-Noise Ratio	105 dB
Channel Separation	85 dB (at 1 kHz)

* Frequency response may differ depending on the encoder software/bit rate.

GENERAL

Power Requirement	14.4 V DC (11-16 V allowable)
Power Output	18 W RMS \times 4*
*Primary amplifier ratings per CEA-2006 Standard	
• Power output: measured at 4 Ohms and \leq 1% THD+N	
• S/N: 80 dBA (reference: 1 W into 4 Ohms)	
Maximum Pre-Output Voltage	2 V/10 k ohms
Weight	1.0 kg (2 lbs. 3 oz)

CHASSIS SIZE

Width	178 mm (7")
Height	50 mm (2")
Depth	156 mm (6-1/8")

NOSEPIECE SIZE

Width	170 mm (6-3/4")
Height	46 mm (1-13/16")
Depth	24 mm (15/16")

DETACHABLE FRONT PANEL SIZE

Width	107 mm (4-1/4")
Height	46 mm (1-13/16")
Depth	30 mm (1-3/16")

- Due to continuous product improvement, specifications and design are subject to change without notice.

Installation and Connections

Before installing or connecting the unit, please read the following and pages 3 and 4 of this manual thoroughly for proper use.

Warning

MAKE THE CORRECT CONNECTIONS.

Failure to make the proper connections may result in fire or product damage.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.

(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

BEFORE WIRING, DISCONNECT THE CABLE FROM THE NEGATIVE BATTERY TERMINAL.

Failure to do so may result in electric shock or injury due to electrical shorts.

DO NOT SPLICE INTO ELECTRICAL CABLES.

Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.

DO NOT DAMAGE PIPE OR WIRING WHEN DRILLING HOLES.

When drilling holes in the chassis for installation, take precautions so as not to contact, damage or obstruct pipes, fuel lines, tanks or electrical wiring. Failure to take such precautions may result in fire.

DO NOT USE BOLTS OR NUTS IN THE BRAKE OR STEERING SYSTEMS TO MAKE GROUND CONNECTIONS.

Bolts or nuts used for the brake or steering systems (or any other safety-related system), or tanks should NEVER be used for installations or ground connections. Using such parts could disable control of the vehicle and cause fire etc.

KEEP SMALL OBJECTS SUCH AS BOLTS OR SCREWS OUT OF THE REACH OF CHILDREN.

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

DO NOT INSTALL IN LOCATIONS WHICH MIGHT HINDER VEHICLE OPERATION, SUCH AS THE STEERING WHEEL OR GEARSHIFT.

Doing so may obstruct forward vision or hamper movement etc. and results in serious accident.

DO NOT ALLOW CABLES TO BECOME ENTANGLED IN SURROUNDING OBJECTS.

Arrange wiring and cables in compliance with the manual to prevent obstructions when driving. Cables or wiring that obstruct or hang up on places such as the steering wheel, gear lever, brake pedals, etc. can be extremely hazardous.

Caution

HAVE THE WIRING AND INSTALLATION DONE BY EXPERTS.

The wiring and installation of this unit requires special technical skill and experience. To ensure safety, always contact the dealer where you purchased this product to have the work done.

USE SPECIFIED ACCESSORY PARTS AND INSTALL THEM SECURELY.

Be sure to use only the specified accessory parts. Use of other than designated parts may damage this unit internally or may not securely install the unit in place. This may cause parts to become loose resulting in hazards or product failure.

ARRANGE THE WIRING SO IT IS NOT CRIMPED OR PINCHED BY A SHARP METAL EDGE.

Route the cables and wiring away from moving parts (like the seat rails) or sharp or pointed edges. This will prevent crimping and damage to the wiring. If wiring passes through a hole in metal, use a rubber grommet to prevent the wire's insulation from being cut by the metal edge of the hole.

DO NOT INSTALL IN LOCATIONS WITH HIGH MOISTURE OR DUST.

Avoid installing the unit in locations with high incidence of moisture or dust. Moisture or dust that penetrates into this unit may result in product failure.

Precautions

- Be sure to disconnect the cable from the (–) battery post before installing your iDA-X001. This will reduce any chance of damage to the unit in case of a short-circuit.
- Be sure to connect the color coded leads according to the diagram. Incorrect connections may cause the unit to malfunction or damage to the vehicle's electrical system.
- When making connections to the vehicle's electrical system, be aware of the factory installed components (e.g. on-board computer). Do not tap into these leads to provide power for this unit. When connecting the iDA-X001 to the fuse box, make sure the fuse for the intended circuit of the iDA-X001 has the appropriate amperage. Failure to do so may result in damage to the unit and/or the vehicle. When in doubt, consult your Alpine dealer.
- The iDA-X001 uses female RCA-type jacks for connection to other units (e.g. amplifier) having RCA connectors. You may need an adaptor to connect other units. If so, please contact your authorized Alpine dealer for assistance.
- Be sure to connect the speaker (–) leads to the speaker (–) terminal. Never connect left and right channel speaker cables to each other or to the vehicle body.

IMPORTANT

Please record the serial number of your unit in the space provided below and keep it as a permanent record. The serial number or the engraved serial number is located on the bottom of the unit.

SERIAL NUMBER: _____

INSTALLATION DATE: _____

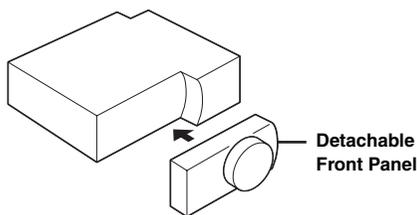
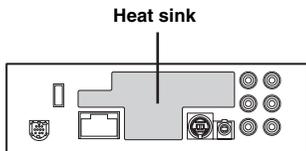
INSTALLATION TECHNICIAN: _____

PLACE OF PURCHASE: _____

Installation

Caution

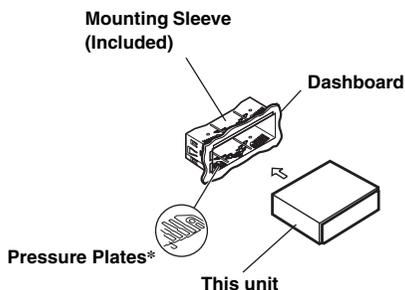
Do not block the unit's heat sink, thus preventing air circulation. If blocked, heat will accumulate inside the unit and may cause a fire.



Caution

When you install this unit in your car, do not remove the detachable front panel. If the detachable front panel is removed during installation, you might press too hard and warp the metal plate that holds it in place.

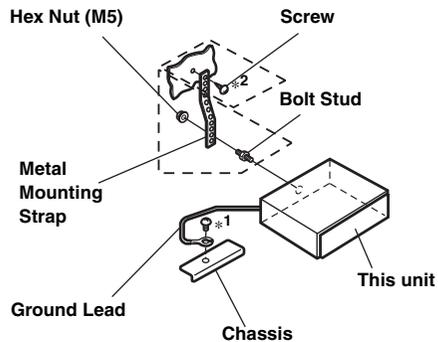
1



* If the installed mounting sleeve is loose in the main unit, the pressure plates may be widened slightly to remedy the problem.

Remove mounting sleeve from the main unit (see "Removal" on page 33).

2



Reinforce the head unit with the metal mounting strap (not supplied). Secure the ground lead of the unit to a clean metal spot using a screw (*¹) already attached to the vehicle's chassis.

- For the screw marked "^{*}2", use an appropriate screw for the chosen mounting location.

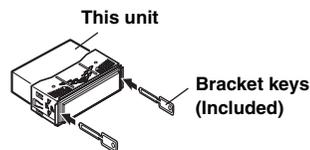
Connect each input lead coming from an amplifier or equalizer to the corresponding output lead coming from the left rear of the iDA-X001. Connect all other leads of the iDA-X001 according to details described in the CONNECTIONS section.

3

Slide the iDA-X001 into the dashboard until it clicks. This ensures that the unit is properly locked and will not accidentally come out from the dashboard. Install the detachable front panel.

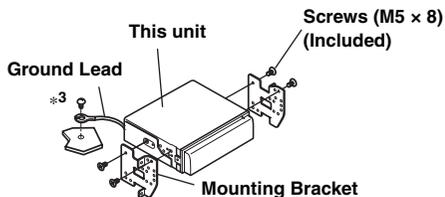
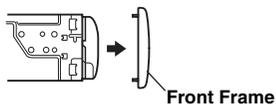
Removal

1. Remove the detachable front panel.
2. Insert the bracket keys into the unit, along the guides on either side. The unit can now be removed from the mounting sleeve.



3. Pull the unit out, keeping it unlocked as you do so.

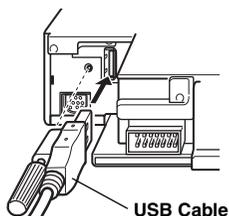
<JAPANESE CAR>



- Secure the ground lead of the unit to a clean metal spot using a screw (*3) already attached to the vehicle's chassis.

USB cable connection

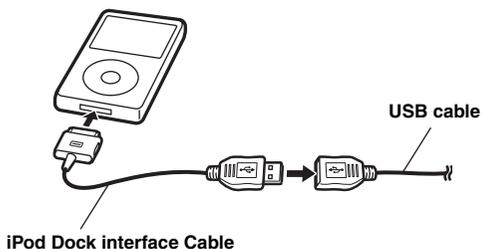
Insert a USB cable into the unit, and fix with a lock screw.



iPod Connection (sold separately)

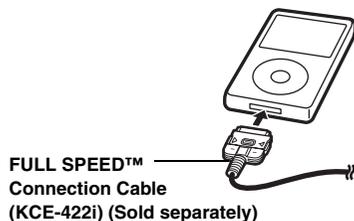
USB connection

Connect USB cable to an iPod with iPod Dock interface cable.



Direct connection

Connect iPod direct connector to an iPod with FULL SPEED™ connection cable (KCE-422i).



Remove the iPod

Remove the iPod from FULL SPEED™ Connection Cable or iPod Dock interface cable.

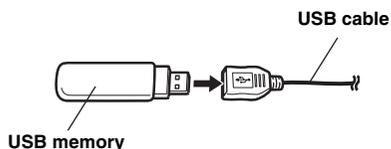


- If USB is connected, after the unit has been changed to a source other than the iPod, remove the iPod. If the iPod is removed in the iPod mode, data may cause damage.
- If sound is not output or the iPod is not recognized even when the iPod is connected, remove the iPod once, then connect it again, or reset the iPod.

USB memory Connection (sold separately)

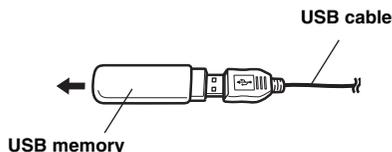
Connect USB memory

Connect USB memory to USB cable.



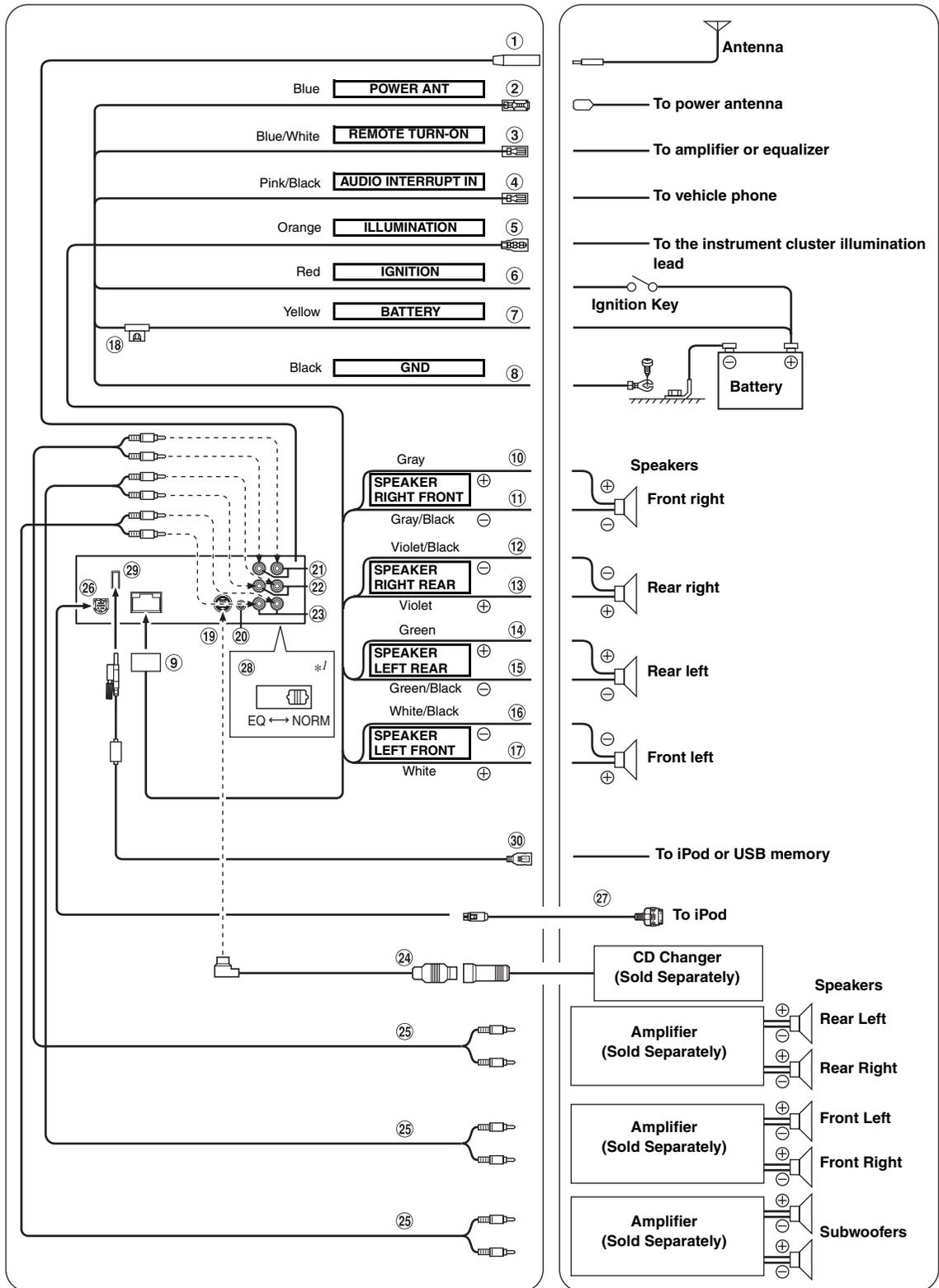
Remove USB memory

Pull out USB memory squarely from the USB cable.



- When removing USB memory, pull it out straight.
- If sound is not output or USB memory is not recognized even when USB memory is connected, remove USB memory once, then connect it again.
- Change to a source other than the USB memory mode, then remove the USB memory. If the USB memory is removed in the USB memory mode, data may be damaged.

Connections



*¹ The system switch is located on the bottom of the unit.

- ① **Antenna Receptacle**
- ② **Power Antenna Lead (Blue)**
Connect this lead to the +B terminal of your power antenna, if applicable.
 - *This lead should be used only for controlling the vehicle's power antenna. Do not use this lead to turn on an amplifier, or a signal processor, etc.*
- ③ **Remote Turn-On Lead (Blue/White)**
Connect this lead to the remote turn-on lead of your amplifier or signal processor.
- ④ **Audio Interrupt In Lead (Pink/Black)**
- ⑤ **Illumination Lead (Orange)**
This lead may be connected to the vehicle's instrument cluster illumination lead. This will allow the backlighting of the iDA-X001 to dim whenever the vehicle's lights are turned on.
- ⑥ **Switched Power Lead (Ignition) (Red)**
Connect this lead to an open terminal on the vehicle's fuse box or another unused power source which provides (+)12V only when the ignition is turned on or in the accessory position.
- ⑦ **Battery Lead (Yellow)**
Connect this lead to the positive (+) post of the vehicle's battery.
- ⑧ **Ground Lead (Black)**
Connect this lead to a good chassis ground on the vehicle. Make sure the connection is made to bare metal and is securely fastened using the sheet metal screw provided.
- ⑨ **Power Supply Connector**
- ⑩ **Right Front (+) Speaker Output Lead (Gray)**
- ⑪ **Right Front (-) Speaker Output Lead (Gray/Black)**
- ⑫ **Right Rear (-) Speaker Output Lead (Violet/Black)**
- ⑬ **Right Rear (+) Speaker Output Lead (Violet)**
- ⑭ **Left Rear (+) Speaker Output Lead (Green)**
- ⑮ **Left Rear (-) Speaker Output Lead (Green/Black)**
- ⑯ **Left Front (-) Speaker Output Lead (White/Black)**
- ⑰ **Left Front (+) Speaker Output Lead (White)**
- ⑱ **Fuse Holder (10A)**
- ⑲ **Ai-NET Connector**
Connect this to the output or input connector of another device (CD Changer, Equalizer, HD Radio™ TUNER MODULE, etc.) equipped with Ai-NET.
 - *Interface adapter for iPod (KCA-420i) is not recommended for use with this product.*
- ⑳ **Steering Remote Control Interface Connector**
To steering Remote control interface box.
- ㉑ **Rear Output RCA Connectors**
RED is right and WHITE is left.
- ㉒ **Front Output RCA Connectors**
RED is right and WHITE is left.
- ㉓ **Subwoofer RCA Connectors**
RED is right and WHITE is left.
- ㉔ **Ai-NET Cable (Included with CD Changer)**
- ㉕ **RCA Extension Cable (sold separately)**
- ㉖ **iPod Direct Connector**
Control iPod signals.
Connect this to an iPod or to an optional Bluetooth Box. To use a hands-free mobile phone, an optional Bluetooth Box connection is required. For details on connection, refer to the Owner's Manual of the Bluetooth Box.
- ㉗ **FULL SPEED™ Connection Cable (KCE-422i) (sold separately)**
- ㉘ **System Switch**
When connecting a processor or divider using Ai-NET, place this switch in the EQ position. When no device is connected, leave the switch in the NORM position.
 - *Be sure to turn the power off to the unit before changing the switch position.*
- ㉙ **USB Connector**
Connect USB cable.
- ㉚ **USB cable**
Connect this to a USB memory or to an iPod. To use an iPod, iPod Dock interface cable connection is required.
 - *Use the supplied USB cable. If a USB cable other than the supplied is used, correct performance cannot be guaranteed.*
 - *Route the USB cable away from other cables.*

To prevent external noise from entering the audio system.

- Locate the unit and route the leads at least 10 cm away from the car harness.
- Keep the battery power leads as far away from other leads as possible.
- Connect the ground lead securely to a bare metal spot (remove any paint, dirt or grease if necessary) of the car chassis.
- If you add an optional noise suppressor, connect it as far away from the unit as possible. Your Alpine dealer carries various noise suppressors, contact them for further information.
- Your Alpine dealer knows best about noise prevention measures so consult your dealer for further information.



LIMITED WARRANTY

ALPINE ELECTRONICS OF AMERICA, INC. AND ALPINE OF CANADA INC. ("Alpine"), are dedicated to quality craftsmanship and are pleased to offer this Warranty. We suggest that you read it thoroughly. Should you have any questions, please contact your Dealer or contact Alpine at one of the telephone numbers listed below.

● PRODUCTS COVERED:

This Warranty covers Car Audio Products and Related Accessories ("the product"). Products purchased in the Canada are covered only in the Canada. Products purchased in the U.S.A. are covered only in the U.S.A.

● LENGTH OF WARRANTY:

This Warranty is in effect for one year from the date of the first consumer purchase.

● WHO IS COVERED:

This Warranty only covers the original purchaser of the product, who must reside in the United States, Puerto Rico or Canada.

● WHAT IS COVERED:

This Warranty covers defects in materials or workmanship (parts and labor) in the product.

● WHAT IS NOT COVERED:

This Warranty does not cover the following:

- ① Damage occurring during shipment of the product to Alpine for repair (claims must be presented to the carrier).
- ② Damage caused by accident or abuse, including burned voice coils caused by over-driving the speaker (amplifier level is turned up and driven into distortion or clipping). Speaker mechanical failure (e.g. punctures, tears or rips). Cracked or damaged LCD panels. Dropped or damaged hard drives.
- ③ Damage caused by negligence, misuse, improper operation or failure to follow instructions contained in the Owner's manual.
- ④ Damage caused by act of God, including without limitation, earthquake, fire, flood, storms or other acts of nature. Any cost or expense related to the removal or reinstallation of the product.
- ⑤ Service performed by an unauthorized person, company or association.
- ⑥ Any product which has the serial number defaced, altered or removed.
- ⑦ Any product which has been adjusted, altered or modified without Alpine's consent.
- ⑧ Any product not distributed by Alpine within the United States, Puerto Rico or Canada.
- ⑨ Any product not purchased from an Authorized Alpine Dealer.

● HOW TO OBTAIN WARRANTY SERVICE:

- ① You are responsible for delivery of the product to an Authorized Alpine Service Center or Alpine for repair and for payment of any initial shipping charges. Alpine will, at its option, repair or replace the product with a new or reconditioned product without charge. If the repairs are covered by the warranty, and if the product was shipped to an Authorized Alpine Service Center or Alpine, Alpine will pay the return shipping charges.
- ② You should provide a detailed description of the problem(s) for which service is required.

- ③ You must supply proof of your purchase of the product.
- ④ You must package the product securely to avoid damage during shipment. To prevent lost packages it is recommended to use a carrier that provides a tracking service.

● HOW WE LIMIT IMPLIED WARRANTIES:

ANY IMPLIED WARRANTIES INCLUDING FITNESS FOR USE AND MERCHANTABILITY ARE LIMITED IN DURATION TO THE PERIOD OF THE EXPRESS WARRANTY SET FORTH ABOVE AND NO PERSON IS AUTHORIZED TO ASSUME FOR ALPINE ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF THE PRODUCT.

● HOW WE EXCLUDE CERTAIN DAMAGES:

ALPINE EXPRESSLY DISCLAIMS LIABILITY FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES CAUSED BY THE PRODUCT. THE TERM "INCIDENTAL DAMAGES" REFERS TO EXPENSES OF TRANSPORTING THE PRODUCT TO THE ALPINE SERVICE CENTER, LOSS OF THE ORIGINAL PURCHASER'S TIME, LOSS OF THE USE OF THE PRODUCT, BUS FARES, CAR RENTALS OR OTHERS COSTS RELATING TO THE CARE AND CUSTODY OF THE PRODUCT. THE TERM "CONSEQUENTIAL DAMAGES" REFERS TO THE COST OF REPAIRING OR REPLACING OTHER PROPERTY WHICH IS DAMAGED WHEN THIS PRODUCT DOES NOT WORK PROPERLY. THE REMEDIES PROVIDED UNDER THIS WARRANTY ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS.

● HOW STATE/PROVINCIAL LAW RELATES TO THE WARRANTY:

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state and province to province. In addition, some states/provinces do not allow limitations on how long an implied warranty lasts, and some do not allow the exclusion or limitation of incidental or consequential damages. Accordingly, limitations as to these matters contained herein may not apply to you.

● IN CANADA ONLY:

This Warranty is not valid unless your Alpine car audio product has been installed in your vehicle by an Authorized Installation Center, and this warranty stamped upon installation by the installation center.

● HOW TO CONTACT CUSTOMER SERVICE:

Should the product require service, please call the following number for your nearest Authorized Alpine Service Center.

CAR AUDIO	1-800-ALPINE-1 (1-800-257-4631)
NAVIGATION	1-888-NAV-HELP (1-888-628-4357)

Or visit our website at; <http://www.alpine-usa.com>

ALPINE ELECTRONICS OF AMERICA, INC., 19145 Gramercy Place, Torrance, California 90501, U.S.A.

ALPINE ELECTRONICS OF CANADA, INC., 777 Supertest Road, Toronto, Ontario M3J 2M9, Canada

Do not send products to these addresses.

Call the toll free telephone number or visit the website to locate a service center.