//////ALPINE®

Digital Media Receiver

iDA-X001

MP3   Plays Windows Media™   **AAC**   Made for iPod   **USB PLAYBACK**

- OWNER'S MANUAL
  Please read before using this equipment.

- BEDIENUNGSANLEITUNG
  Lesen Sie diese Bedienungsanleitung bitte vor
  Gebrauch des Gerätes.

- MODE D'EMPLOI
  Veuillez lire avant d'utiliser cet appareil.

- MANUAL DE OPERACIÓN
  Léalo antes de utilizar este equipo.

- ISTRUZIONI PER L'USO
  Si prega di leggere prima di utilizzare il
  attrezzatura.

- ANVÄNDARHANDLEDNING
  Innan du använder utrustningen bör du läsa igenom
  denna användarhandledning.

EN

DE

FR

ES

IT

SE

Contents

Operating Instructions

SETUP

Installation and Connections

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.

DO NOT MIX NEW BATTERIES WITH OLD BATTERIES. INSERT WITH THE CORRECT BATTERY POLARITY.

When inserting the batteries, be sure to observe proper polarity (+ and –) as instructed. Rupture or chemical leakage from the battery may cause fire or personal injury.

⚠ 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.

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.

- *Windows Media and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries.*
- *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 reserch between LIM Corporation Ltd., and Chiba University Faculty of Engineering.*

- *"Uni-Type™" is the trademark registered by LIM Corporation Ltd.*

Center Jog Dial Operation

Center Jog Dial
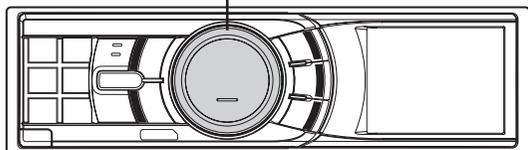
1 **Turn the Center Jog Dial left or right.**
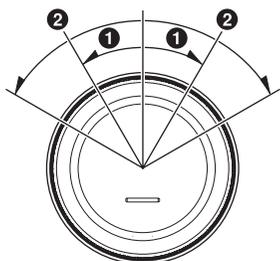
❶ Turn the Center Jog Dial one step. If "Sound (Beep) Guide Function" is set to On (see page 22), a beep sounds as this operation is performed. The explanation in the Manual described as "Turn the Center Jog Dial" describes the above operation. The Center Jog Dial returns to its original position when 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."

❷ 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 22), a beep sounds twice as this operation is performed. The Center Jog Dial returns to the original position when it is released.

Getting Started

SOURCE/⏻   FUNC./SETUP

ENT

✕

⏏   BACK   Center Jog Dial   VIEW
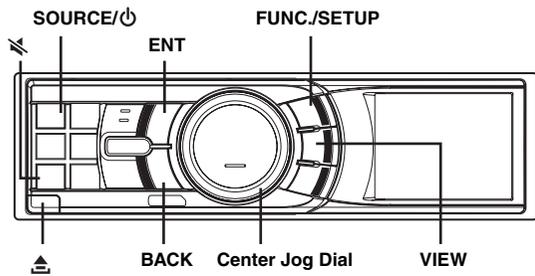
Accessory List

- **Digital Media receiver**...1
- **Power cable**...1
- **Mounting sleeve**..1
- **Carrying case**..1
- **Front frame**...1
- **USB cable**..1
- **iPod Dock interface cable** 1
- **Rubber Cap** 1
- **Hex Bolt** 1
- **Screw (M5x8)**..4
- **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.**
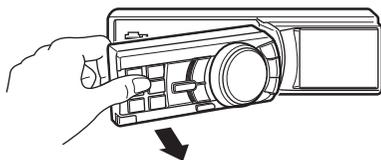
- *The front panel may become hot in normal usage (especially the connector terminals on the back of the front panel.) This is not a malfunction.*
- *To protect the front panel, place it in the supplied carrying case.*

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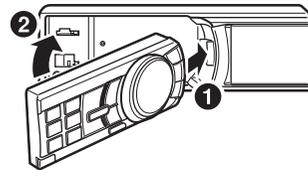
- *Before attaching the front panel, make sure that there is no dirt or dust on the connector terminals and no foreign object between the front panel and the main unit.*
- *Attach the front panel carefully. Hold the panel by its sides to avoid pushing any buttons by mistake.*

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.**
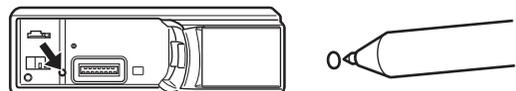
Adjusting Volume

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 ↔ Tuner

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.**

• *Only when Auto Clock is set to OFF, can the setting be made. Refer to "Setting the Time to automatically Adjust" (page 10).*
• *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.*
• *When the RDS mode is set, radio text can be displayed. Refer to "Displaying Radio Text" (page 11).*
• *If an iPod is connected via USB, the album cover screen can be displayed. Refer to "Changing the Display" (page 14).*

Controllable With Remote Control
   Point the optional remote control transmitter at the remote control sensor.

Remote control sensor

Radio

SOURCE/⏻
BAND/TA
Center Jog Dial

I◀◀   ▶▶I
TUNE/A.ME   ENT   PRESET

How to View the Display

<Radio screen display example>

```
1 ──────  FM-1                    DX ──── 4

2 ──────  Pre-3    98.10MHz ──── 5

3 ──────  🔈▬▬▬▬▬▬▬▬▬▬▬🔊
          TA EON TP NEWS AF ──────── 6
```
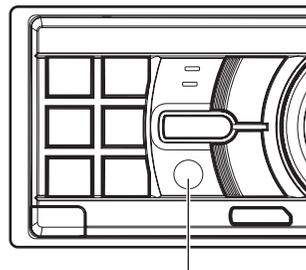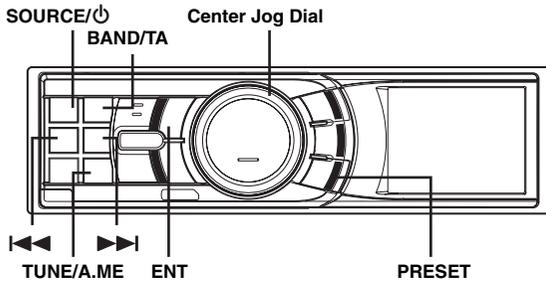
1 Mode display
2 Preset number
3 Volume
4 Tuning mode
5 Frequency
6 RDS indicator

Listening to Radio

1 **Press SOURCE/⏻ to select TUNER mode.**

2 **Press BAND/TA repeatedly until the desired radio band is displayed.**

   FM-1 → FM-2 → FM-3 → MW → LW → 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 I◀◀ or ▶▶I to tune in the desired station.**
   Holding down I◀◀ or ▶▶I will change the frequency continuously.

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 30 stations can be stored in the preset memory (6 stations for each band; FM-1, FM-2, FM-3, MW and LW).*
• *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/TA 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/TA 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.

RDS

BAND/TA   ENT   Center Jog Dial   FUNC./SETUP   VIEW

BACK
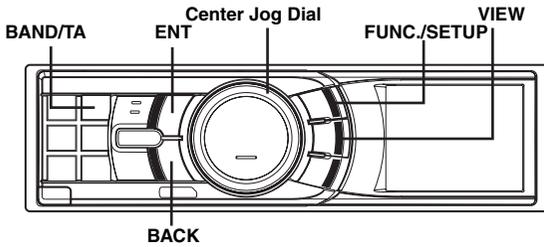
Setting RDS Reception Mode and Receiving RDS Stations

The RDS (Radio Data System) is a radio information system using the 57 kHz subcarrier of regular FM broadcast. The RDS allows you to receive a variety of information such as traffic information, station names, and to automatically re-tune to a stronger transmitter that is broadcasting the same programme.

1 Press **FUNC./SETUP** to activate the Function mode.

2 Press **ENT** to select the AF (Alternative Frequency) mode.

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

4 Press **FUNC./SETUP** to activate the RDS mode.

• *When the "Setting PTY31 (Emergency Broadcast) reception" (refer to page 10) is set to on, if the unit receives the PTY31 (Emergency Broadcast) signal, the unit will show "ALARM" in the display automatically.*

    The RDS digital data includes the following:

        PI   Programme Identification
        PS   Programme Service Name
        AF   List of Alternative Frequencies
        TP   Traffic Programme
        TA   Traffic Announcement
        PTY   Programme Type
        EON   Enhanced Other Networks

Receiving RDS Regional (Local) Stations

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 Tuner mode, and then press **ENT**.

    Bluetooth ↔ General ↔ Display ↔ iPod ↔ Tuner

3 Press **ENT** to select Regional.

4 Turn the **Center Jog Dial** to select On or Off, and then press **ENT**.
In the Off mode, the unit automatically keeps receiving the related local RDS station.

5 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.*

PI SEEK Setting

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 Tuner mode, and then press **ENT**.

    Bluetooth ↔ General ↔ Display ↔ iPod ↔ Tuner

3 Turn the **Center Jog Dial** to select PI Seek and then press **ENT**.

4 Turn the **Center Jog Dial** to select On or Off, and then press **ENT**.

5 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.*

Setting PTY31 (Emergency Broadcast) reception

Turn PTY31 (Emergency Broadcast) reception ON/OFF.

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 Tuner mode, and then press ENT.**

Bluetooth ↔ General ↔ Display ↔ iPod ↔ Tuner

3 **Turn the Center Jog Dial to select PTY31 and then press ENT.**

4 **Turn the Center Jog Dial to select On or Off, and then press ENT.**
If you set to On, emergency broadcasts are received regardless of source. "ALARM" is displayed during reception.

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

When an emergency broadcast is received, the volume level will be automatically changed to the memorized level in the traffic information mode. For details, refer to "Receiving Traffic Information" on page 10.

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

Setting the Time to automatically Adjust

When you set to ON, the time is automatically adjusted by RDS data.

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 Tuner mode, and then press ENT.**

Bluetooth ↔ General ↔ Display ↔ iPod ↔ Tuner

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

4 **Turn the Center Jog Dial to select On or Off, and then press ENT.**

5 **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.*

Receiving Traffic Information

1 **Press and hold BAND/TA for at least 2 seconds so that the "TA" indicator lights up.**

When a traffic information station is tuned in, the "TP" indicator lights up.
Traffic information is heard only when it is being broadcast. If traffic information is not being broadcast, the unit is set in the standby mode. When a traffic information broadcast begins, the unit automatically receives it and the TRF Info screen is displayed.
When the traffic information broadcast is over, the unit will automatically set in the standby mode.

• *If the traffic information broadcast signal falls below a certain level, the unit remains in the receiving mode for 1 minute. If the signal remains below a certain level for over 1 minute, the "TA" indicator blinks.*
• *If you do not want to listen to the traffic information being received, lightly press BAND/TA to skip that traffic information message. The TA mode will remain in the ON position to receive the next traffic information message.*
• *If the volume level is changed while receiving traffic information, the changed volume level will be memorized. When traffic information is received next time, the volume level will be automatically adjusted to the level memorized.*

PTY (Programme Type) Tuning

1 **Press FUNC./SETUP to activate the Function mode.**

2 **Turn the Center Jog Dial to select PTY, and press ENT, while the unit is in Radio (FM receiving) mode.**
The PTY Select screen is displayed.

3 **Turn the Center Jog Dial to choose the desired programme type.**
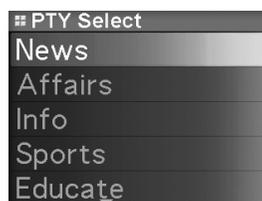
4 **Press ENT after selecting the programme type to start searching for a station in the selected programme type.**
The chosen programme type display blinks during searching and lights when a station is found.

If no PTY station is found, "No PTY" will be displayed for 10 seconds.

Receiving Traffic Information While Playing iPod or Radio

1 Press and hold BAND/TA for at least 2 seconds so that the "TA" indicator lights up.

When a traffic information broadcast starts, the unit automatically mutes the iPod/USB memory/changer or the regular FM broadcast.
When the traffic information broadcast finishes, the unit automatically returns to the original source play before the traffic information broadcast began.

When traffic information stations cannot be received:
In the tuner mode:
When the TP signal can no longer be received for over 1 minute, the "TA" indicator blinks.

In the iPod/USB memory/changer mode:
When the TP signal can no longer be received, the traffic information station of another frequency will be selected automatically.

- *The receiver is equipped with the EON (Enhanced Other Networks) function in order to keep track of additional alternate frequencies to the AF list. The "EON" indicator lights up while an RDS EON station is being received. If the station being received does not broadcast the traffic information, the receiver automatically tunes in the related station that broadcasts the traffic information when it occurs.*

2 Press and hold BAND/TA for at least 2 seconds to deactivate the Traffic Information mode.
The "TA" indicator goes out.

Priority News

This function allows you to preset to give priority to the News programme. You will never miss the News programme as the unit automatically gives priority to the News programme whenever it begins broadcasting, and interrupts the programme you are currently listening. This feature is functional when your unit is set to a mode other than the LW and MW modes.

1 Press FUNC./SETUP to activate the Function mode while the unit is in Radio (FM receiving) mode.

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

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

4 Press BACK to return to normal mode.
The "NEWS" indicator appears in the display.

- *In the NEWS function, unlike in the TA function, the volume does not increase automatically.*

Displaying Radio Text

Text messages from a radio station can be displayed.

Press VIEW while receiving FM in the radio mode to select the Radio Text display.

The display will change every time the button is pressed.

If there is PS (Programme Service Name)

Preset Number/PS (Programme Service Name) → Radio Text

→ Calendar/Clock → PS (Programme Service Name)
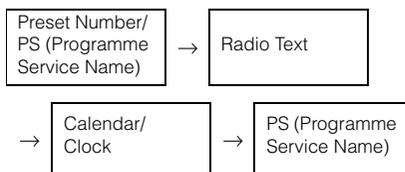
If there is no PS (Programme Service Name)

Preset Number/Frequency → Radio Text

→ Calendar/Clock → Preset Number/Frequency
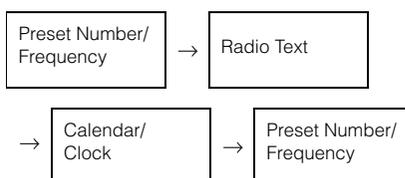
- *If there is no receivable text information or the unit cannot receive text information properly, nothing will be displayed.*

iPod®

SOURCE/⏻ Center Jog Dial

ENT

◄◄

FUNC./SETUP

►/II

BACK

►►I

🔍/SEARCH

VIEW
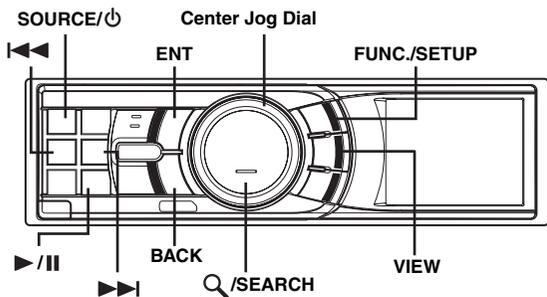
When the iDA-X001 is connected by using the cable, the controls on the iPod are not functional.
iPod connection can be made in two ways using the USB connection cable, or directly connecting the iPod using the FULL SPEED™ connection cable (KCE-422i).

- 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.
- If the Direct is connected, set AUX+ Setup to OFF when an iPod is connected (refer to "Setting the AUX+ Mode" on page 23).

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 guranteed.
- 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 — iPod
2 — Just for Fu
5 —
3 — Supersonic
4 — The Voodo
6 — 02'25
7 — 01'34
8 —
TA EON TP NEWS AF

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 RDS indicator

<iPod (directly connected) screen display example>

1 — iPod 2
2 — Song title
3 — Album title
4 — Artist title
5 — 01'28
6 — 00'01
7 —
TA EON TP NEWS AF

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 RDS indicator

- *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 ►►I 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 ►►I .

Fast forward:
Press and hold ►►I .

3 To pause playback, press ►/II .
Pressing ►/II 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.*

- *You can select your preferred search mode. Refer to "iPod Search Mode Setting" (page 25).*
- *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.*

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 ⌕/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 13).*
- *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 ⌕/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 **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 ⚲ **/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 14).*
- *If Shuffle All is selected, the selected ones which are being played back in the search mode are cancelled.*

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 **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>

Song title Album title Artist title	*¹ →	Album cover Screen/ Song title	→	Calendar/ Clock

→ | Song title Album title Artist title |

<Directly connected>

Song title Album title Artist title	*¹ →	Calendar/ Clock	→	Song title Album title Artist title
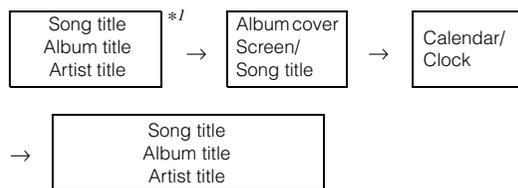
*¹ TAG information
    If there is no text information, nothing will be displayed.

- *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

SOURCE/⏻   ENT   FUNC./SETUP
⏮ BAND/TA Center Jog Dial

BACK   PRESET
▶/⏸ ⏭ Q /SEARCH
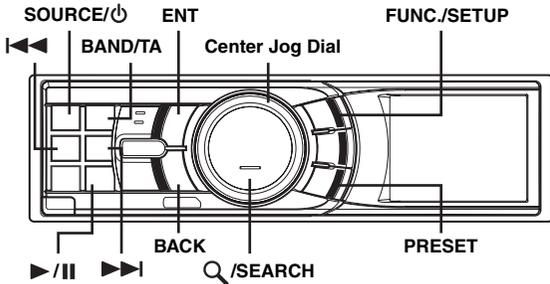
If a USB memory device or changer is connected to the unit, MP3/ WMA/AAC files can be played back.

How to View the Display

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

1 —— USB Memory
2 —— Song title
3 —— Album title
4 —— Artist title
5 —— 003'56
          TA EON TP NEWS AF —— 6

1 Mode display
2 Song title
3 Album title
4 Artist title
5 Elapsed time
6 RDS indicator

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

1 —— USB Memory
2 —— Folder Name
3 —— File Name
4 —— 003'56
          TA EON TP NEWS AF —— 5
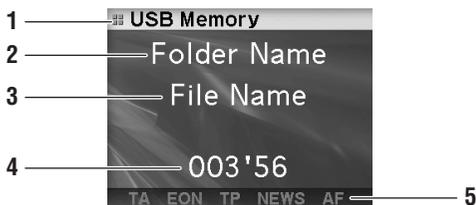
1 Mode display
2 Folder name*[1]
3 File name
4 Elapsed time
5 RDS indicator

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

1 —— CD CHG
2 —— Disc Text
3 —— Track Text
4 —— ◉02 T-03 —— 5
6 —— 003'56
          TA EON TP NEWS AF —— 7
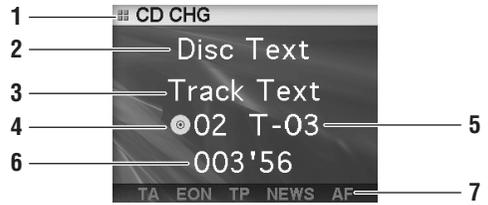
1 Mode display
2 CD text (disc name)*[2]
3 CD text (track name)*[2]
4 Disc number
5 Track number
6 Elapsed time
7 RDS indicator

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

1 —— CD CHG
2 —— ◉02 T-03 —— 3
4 —— 003'56
5 —— 🔈▭▭▭▭🔊
          TA EON TP NEWS AF —— 6
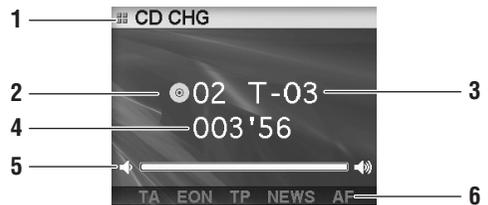
1 Mode display
2 Disc number
3 Track number
4 Elapsed time
5 Volume
6 RDS indicator

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

1 —— CD CHG
2 —— Song title
3 —— Album title
4 —— Artist title
5 —— 003'56
          TA EON TP NEWS AF —— 6

1 Mode display
2 Song title
3 Album title
4 Artist title
5 Elapsed time
6 RDS indicator

15-EN

1 — CD CHG
2 — Folder Name
3 — File Name
4 — ◉02 ■003 ▮003 — 6
5
7 — 003'56
TA EON TP NEWS AF — 8

1 Mode display
2 Folder name*[1]
3 File name
4 Disc number
5 Folder number
6 File number
7 Elapsed time
8 RDS indicator

*[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 16 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/TA** to activate the CD Changer Selection mode.
The CD Changer Selection mode remains active for several seconds.

3 Press **BAND/TA** 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 23.*

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 **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 **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

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.

Folder   **MP3/WMA/AAC File**
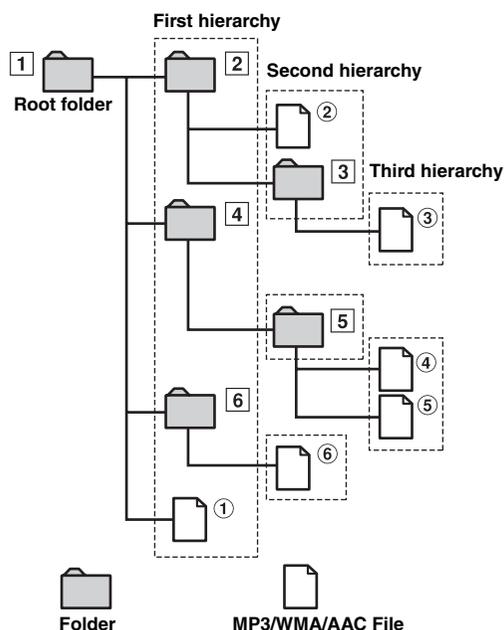
Terminology

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

ENT

BACK AUDIO Center Jog Dial PRESET

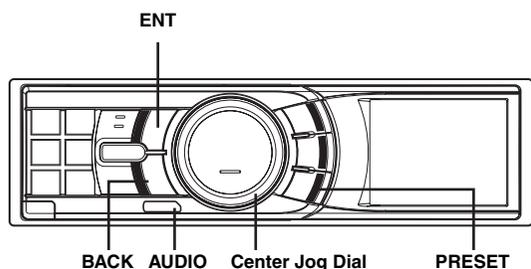## Adjusting Bass/Treble/Balance (Between Left and Right)/Fader (Between Front and Rear)

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

Each press changes the mode as follows:

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

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/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 MW, LW 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.*
* *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.

SOURCE/ ⏻   ENT   FUNC./SETUP
    BAND/TA

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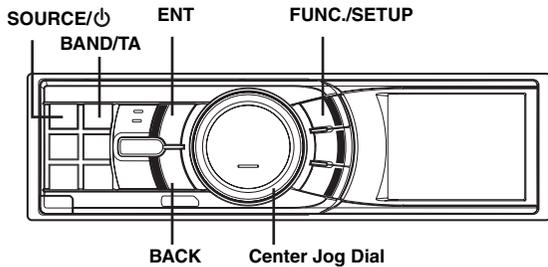
A typical SETUP procedure is shown in steps 1 to 5 as follows. See below for further information about each SETUP menu.

---

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 ↔ Tuner
(e.g. Select General)

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 ↔ Play Mode
    ↔ Beep ↔ Int Mute ↔ Int Audio ↔ CHG Name*² ↔ AUX IN
    ↔ Auxiliary+ ↔ AUX Name*³ ↔ AUX+ IN GAIN*⁴ ↔ P.IC ↔
    Language ↔ Demo ↔ Steering

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

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

Tuner:
    Regional*⁵ ↔ PI Seek*⁶ ↔ PTY 31*⁷ ↔ Auto Clock*⁸ ↔
    FM Level

*¹ Refer to "Setting the Time and Calendar" (page 7).
*² The setting can be made only when a changer is connected.
*³ Displayed only when AUX IN is On.
*⁴ Displayed only when Auxiliary+ is On.
*⁵ Reter to "Receiving RDS Regional (Local) Stations" (page 9).
*⁶ Reter to "PI SEEK Setting" (page 9).
*⁷ Reter to "Setting PTY31 (Emergency Broadcast) reception" (page 10).
*⁸ Reter to "Setting the Time to automatically Adjust" (page 10).

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 23).*

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 (Initial setting) / 12H Type

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 / D/M/Y (Initial setting) / 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. D/M/Y → 31/Dec/2007

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 22).*
- *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/TA** to select your desired device.*

Setting the AUX+ Mode
Auxiliary+ On / Auxiliary+ Off (Initial setting)

You can input the audio of a connected external device, (such as a portable player) to the iPod Direct connector of this unit, using an iPod Direct/RCA Interface cable.

Auxiliary+ On : Set to On when an external device is connected. If **SOURCE/** is pressed and Auxiliary+ is selected, the sound of the external device is input to the unit.
Auxiliary+ Off : Set to Off when an iPod is connected.

## AUX+ Audio Level Adjustment (AUX+ IN GAIN)
High (Initial setting) / Low

Low	Decreases the external input audio level
High	Increases the external input audio level

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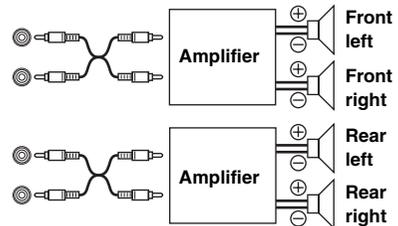
P.IC On : The speakers are driven by the built-in amplifier.

Speakers
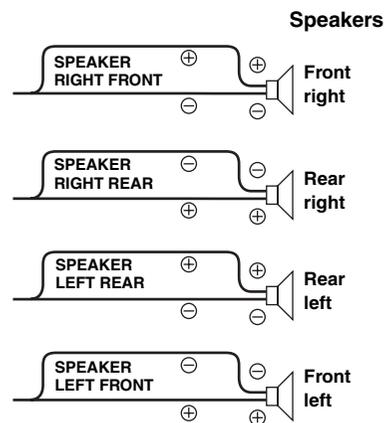
- *No sound is produced by the system when the power output is set to Off.*

Setting the Language Font
Language 1 (Initial Setting) / Language 2 / Language 3

You can select between three types of language fonts.

Language 1 :	Normal Font
Language 2 :	European Font
Language 3 :	Russian 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.*

Setting Adaptive Steering Remote Control
Steering On / Steering Off (Initial Setting)

This unit is compatible with the adaptive steering remote control.
This function allows operation by sending the steering remote control signal to the unit.
To use the steering remote control, perform the following button operations after setting to On and pressing **ENT**.
For details, consult your nearest Alpine dealer.

1 Select the assigned function by turning the Center Jog Dial.
(e.g. Select Power)

Power ↔ Source ↔ Band ↔ Vol. UP ↔ Vol. DN ↔ Pause ↔ Mute ↔ Bwd ↔ Fwd ↔ P. UP ↔ P. DN ↔ A.Proc

⊞ Steering		
FF	Power	FF
FF	Source	FF
FF	Band	FF
FF	Vo.l UP	FF
FF	Vo.l DN	FF

2 Press the steering remote control button until the changed signal value of steering remote control appears in the left of the display.
(e.g. Press Power of the steering remote control button.)

The changed steering remote control signal appears in the left of the display.

DE   Power   FF

The changed signal value of steering remote control

3 Press ENT to execute the setting value.
The confirmed signal value of steering remote control appears in the right of the display. With doing so, the function of the unit is assigned to the steering remote control button.

DE   Power   DE

The confirmed signal value of steering remote control

4 Repeat steps 1 to 3, and set each button.
When settings have been completed, press BACK to return to the previous mode.

Display Setting

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

Changing Lighting Colour (Illumination)
Illumination Blue (Initial setting) / Illumination Red

You can change the lighting colour 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 is 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 24).

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 24).*

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 13).*

Tuner Setting

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

Adjusting Source Signal Levels
FM Level High (Initial setting) / FM Level Low

If the difference in volume level between the iPod and FM radio is too great, adjust the FM signal level.

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 18-19), 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 23).

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 no 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 indicafion 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.

Specifications

FM TUNER SECTION

Tuning Range	87.5-108.0 MHz
Mono Usable Sensitivity	0.7 μV
Alternate Channel Selectivity	80 dB
Signal-to-Noise Ratio	65 dB
Stereo Separation	35 dB
Capture Ratio	2.0 dB

MW TUNER SECTION

Tuning Range	531-1,602 kHz
Sensitivity (IEC Standard)	25.1 μV/28 dB

LW TUNER SECTION

Tuning Range	153-281 kHz
Sensitivity (IEC Standard)	31.6 μV/30 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 (±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)
Maximum Power Output	50 W × 4
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 SHIFT LEVER.

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, shift 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 colour 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.

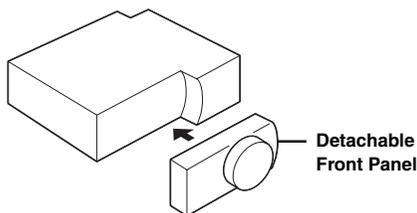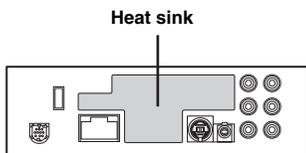| **IMPORTANT** Please record the serial number of your unit in the space provided below and keep it as a permanent record. The serial number or the engraved serial number is located on the bottom of the unit.	SERIAL NUMBER: _____ INSTALLATION DATE: _____ INSTALLATION TECHNICIAN: _____ PLACE OF PURCHASE: _____

Installation

Heat sink

Detachable Front Panel

1

Bracket
Rubber Cap (Included)
Hex Bolt (Included)
Mounting Sleeve (Included)
Dashboard
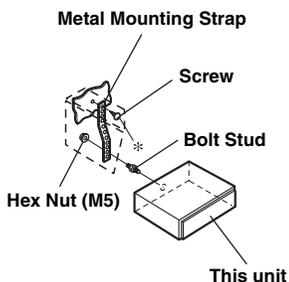**Pressure Plates***
This unit

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

Remove the mounting sleeve from the main unit (see "Removal" on page 30). Slide the mounting sleeve into the dashboard and fix it with the metal shackles.

2

Metal Mounting Strap
Screw
Bolt Stud
Hex Nut (M5)
This unit

When your vehicle has the Bracket, mount the long hex bolt onto the rear panel of the iDA-X001 and put the Rubber Cap on the hex bolt. If your vehicle does not have the Mounting Support, reinforce the head unit with the metal mounting strap (not supplied). Connect all the leads of the iDA-X001 according to details described in the CONNECTIONS section.

• *For the screw *, provide a proper screw to the chassis installing location.*

3 Slide the iDA-X001 into the dashboard. When the unit is in place, make sure the locking pins are fully seated in the down position. This can be done by pressing firmly in on the unit while pushing the locking pin down with a small screwdriver. This ensures that the unit is properly locked and will not accidentally come out from the dashboard. Install the detachable front panel.


Lock pin
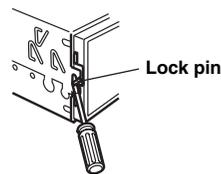
Removal

1. Remove the detachable front panel.

2. Use a small screwdriver (or similar tool) to push the locking pins to the "up" position (see above drawing). As each pin is unlocked, gently pull out on the unit to make sure it does not re-lock before unlocking the second pin.

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

<JAPANESE CAR>

Front Frame

Screws (M5 × 8) (Included)
This unit
Mounting Bracket
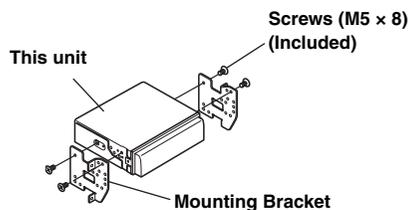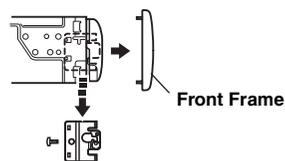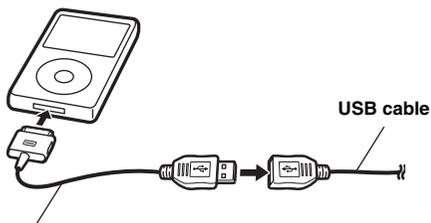
USB cable connection

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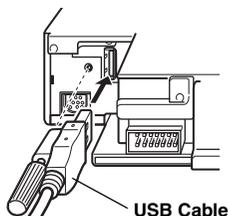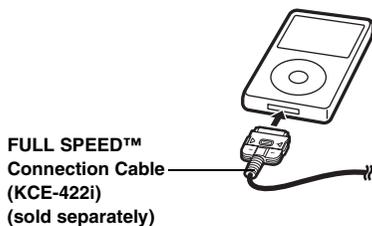
USB Cable

iPod Connection (sold separately)

USB connection

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

USB cable

iPod Dock interface Cable

Direct connection

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

FULL SPEED™ Connection Cable (KCE-422i) (sold separately)

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.

USB cable
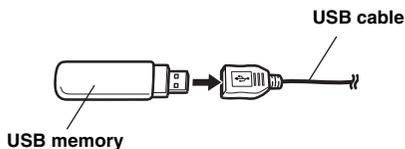
USB memory

Remove USB memory

Pull out USB memory squarely from the USB cable.

USB cable
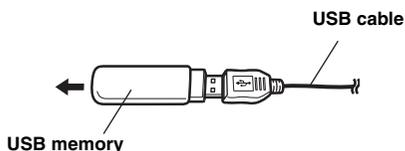
USB memory

- *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

To iPod or USB memory

To adaptive steering remote control interface box

To adaptive steering remote control interface box

To adaptive steering remote control interface box

To iPod

To vehicle Display Interface

Antenna

JASO Antenna   ISO Antenna

To vehicle phone

To amplifier or equalizer

To the instrument cluster illumination lead

To power antenna

Ignition Key

Battery

Rear Left

Front Left

Front Right

Rear Right

Speakers

CD Changer (Sold Separately)

Speakers

Amplifier (Sold Separately)   Rear Left

Rear Right

Amplifier (Sold Separately)   Front Left

Front Right

Amplifier (Sold Separately)   Subwoofers

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

① **Vehicle Display Interface Connector**
Outputs Vehicle Display Interface control signals. Connect this to the optional Vehicle Display Interface box.
For details about connections, consult your nearest Alpine dealer.

② **Antenna Receptacle**

③ **Audio Interrupt In Lead (Pink/Black)**
Connect this lead to the Audio Interface output of a cellular phone which provides ground shorting when a call is received.

④ **Remote Turn-On Lead (Blue/White)**
Connect this lead to the remote turn-on lead of your amplifier or signal processor.

⑤ **Dimmer Lead (Orange)**
This lead may be connected to the vehicle's instrument cluster illumination lead. This will enable the vehicle's dimmer control to dim the backlighting of the unit.

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 **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.

⑧ **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.*

⑨ **Battery Lead (Yellow)**
Connect this lead to the positive (+) post of the vehicle's battery.

⑩ **ISO Power Supply Connector**

⑪ **ISO Connector (Speaker Output)**

⑫ **Left Rear (+) Speaker Output Lead (Green)**

⑬ **Left Rear (–) Speaker Output Lead (Green/Black)**

⑭ **Left Front (+) Speaker Output Lead (White)**

⑮ **Left Front (–) Speaker Output Lead (White/Black)**

⑯ **Right Front (–) Speaker Output Lead (Grey/Black)**

⑰ **Right Front (+) Speaker Output Lead (Grey)**

⑱ **Right Rear (–) Speaker Output Lead (Violet/Black)**

⑲ **Right Rear (+) Speaker Output Lead (Violet)**

⑳ **Ai-NET Connector**
Connect this to the output or input connector of other product (CD changer, Equalizer, etc.) equipped with Ai-NET.

㉑ **Steering Remote Control Interface Connector**
To steering remote control interface box.
For details about connections, consult your nearest Alpine dealer.

㉒ **Fuse Holder (10A)**

㉓ **Rear Output RCA Connectors**
RED is right and WHITE is left.

㉔ **Front Output RCA Connectors**
RED is right and WHITE is left.

㉕ **Subwoofer Ouput RCA Connectors**
RED is right and WHITE is left.

㉖ **System Switch**
When connecting a processor 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.*

㉗ **Power Supply Connector**

㉘ **Ai-NET Cable (Included with CD Changer)**

㉙ **RCA Extension Cable (sold separately)**

㉚ **ISO/JASO Antenna Adaptor (sold separately)**
An ISO/JASO antenna adapter may be required, depending on the vehicle.

㉛ **Adaptive Steering Remote Control In 1 Lead (Brown/Yellow)**
To adaptive steering remote control interface box.
For details about connections, consult your nearest Alpine dealer.

㉜ **Adaptive Steering Remote Control In 2 Lead (Brown/Orange)**
To adaptive steering remote control interface box.
For details about connections, consult your nearest Alpine dealer.

㉝ **Steering Wheel Remote Control G.OUT (Black)**
To adaptive steering remote control interface box.
For details about connections, consult your nearest Alpine dealer.

㉞ **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. You can also connect this to an external device (such as a portable player) by using iPod Direct/RCA Interface cable (sold separately).

* *Refer to "Setting the AUX+ Mode" (page 23).*

Auxiliary+ ON : When the external device is connected.
Auxiliary+ OFF : When an iPod is connected.

㉟ **FULL SPEED™ Connection Cable (KCE-422i) (sold separately)**

㊱ **USB Connector**
Connect USB cable.

㊲ **USB cable**
Connect this to an 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.