

# User Guide



**i** **AUDIO**<sub>4</sub>

**BBE**  
Mach3Bass

**MP3**  
DIGITAL AUDIO

**Windows Media**

**Mac OS**

**JetAudio**

## General

- iAUDIO is the registered trademark of COWON SYSTEMS, Inc.
- This product is for home use only and cannot be used for business purposes.
- COWON SYSTEMS, Inc. has the exclusive copyright for this User Guide. It is prohibited to distribute this User Guide in part or in whole without permission.
- COWON SYSTEMS, Inc. has the copyrights for JetShell and JetAudio. It is prohibited to distribute or commercially use them without written permission from COWON SYSTEMS, Inc.
- The MP3 files created with the MP3 conversion feature of JetShell and JetAudio can be used for personal use only and not for commercial or service purposes. Violating this regulation is in conflict with domestic copyright laws.
- COWON SYSTEMS, Inc. complies with the laws and regulations related to records/videos/games. Complying with all any other codified laws is the responsibility of the actual users.
- In order for customers who purchased the product to receive specialized iAUDIO services, we recommend that they accomplish customer registration at <http://www.iAUDIO.com>. Various specialized benefits are only provided for members who have completed a lawful customer registration.
- The various examples, drawings and pictures included in this User Guide are subject to change without prior notice when new product enhancements become available.

## BBE Related

- BBE is produced by the license of BBE Sound, Inc.
- BBE Sound, Inc. has the license rights for BBE under USP4638258, 5510752 and 5736897.
- BBE and the BBE symbol are the registered trademarks of BBE Sound, Inc.



All rights reserved by COWON SYSTEMS, Inc. 2003

# User Guide

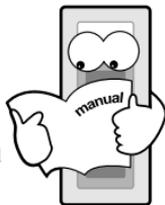


**iAUDIO 4**



# Safety Instructions

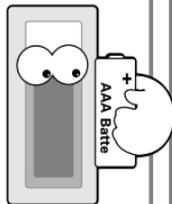
Do not use this product for purposes other than those stated in this User Guide.



Take care not to cut your hands when handling the product box, User Guide, or parts.



This product uses a 1.2-1.5V battery. Always use the rated AAA battery, and pay attention to the polarity when replacing the battery. Reusing a battery which has leaked is prohibited.

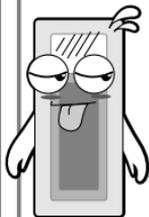
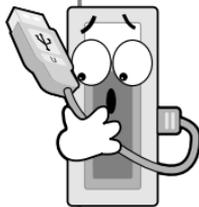


If you disassemble or modify the product arbitrarily, you cannot receive free services, and may be excluded from the scope of service.



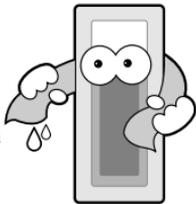
Pay attention to the USB cable direction when connecting this product to a PC.

If you connect the USB cable in the wrong direction, the PC or the product may be damaged. Avoid using this product if the USB cable is bent severely or pressed by heavy objects.

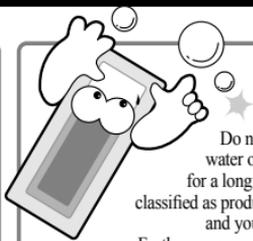


If you smell a burning odor from the product or find it overheating while using it, remove the battery and contact our Customer Support Team or AS Center.

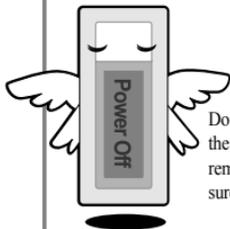
Touching the product with wet hands may cause a malfunction.



Do not throw the product into water or keep it in a damp place for a long time. If you do this, it is classified as product failure by submersion and you cannot receive free AS. Furthermore, even fee-based service from AS may not be possible and you may not be able to use the product any more.



Do not remove the battery while the product is operating. Always remove the battery after making sure that the power is turned off.



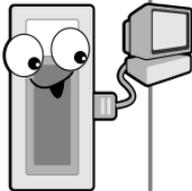
If you listen to this product at a high volume level for a long time, you may have problems with your hearing ability.



Note that malfunctions may occur if you use the product in places where static electricity occurs frequently.



Frequently back up important files. All the data stored in the product may be deleted during AS. The AS Center does not back up the files stored in the product. Please be advised that our company is not liable for any loss of data in the products entrusted to us for AS.



## **1. iAUDIO**

---

What is iAUDIO 4?	<b>8</b>
Package Contents	<b>10</b>
Product Features	<b>11</b>
Product Specifications	<b>12</b>
Name of Parts	<b>13</b>
Loading the Battery/Connecting USB Cable	<b>14</b>
LCD Display	<b>15</b>
Basic Operations	<b>16</b>
Simple Operations by Mode	<b>18</b>
Detailed Features by Menu	<b>24</b>
Glossary	<b>36</b>
Troubleshooting	<b>37</b>
Using Buttons	<b>39</b>
Menu List	<b>43</b>

## **2. JetShell**

---

What is JetShell?	<b>44</b>
Connecting iAUDIO and Installing JetShell	<b>45</b>
JetShell Configuration	<b>50</b>
Spectrum Screen and Sound Effects	<b>53</b>
Sending MP3 files with iAUDIO	<b>54</b>
Deleting Files in iAUDIO	<b>56</b>
Initializing Flash Memory (Format)	<b>57</b>

Converting Audio CD Tracks to MP3 Files and Directly Transferring Them to iAUDIO	<b>58</b>
Other Features	<b>61</b>
Installing and Using JetAudio	<b>64</b>
<b>Guide to Firmware Upgrade</b>	<b>65</b>

## **What is iAUDIO?**

iAUDIO is a unique brand of MP3 player produced by COWON SYSTEMS, Inc. It is a super mini portable digital audio device that plays various formats of sound files, including MP3. It also supports FM radio listening/recording, as well as voice recording and direct encoding through the built-in microphone and Line-In input jack.

## **Elegant and Luxurious Design with High Portability**

iAUDIO 4 has a super mini size with high portability, and boasts a luxurious and elegant design with a mostly aluminum surface on the outside which has excellent durability.

## **15 Hour Continuous Play with One Small Battery (AAA size)**

iAUDIO 4 uses a super power-saving circuit, enabling a long play time of up to 15 hours with only one AAA battery. (Based on our company's test environment.)

## **High-quality Voice Recording**

iAUDIO 4 provides superb-quality voice recording that is possible only by a professional voice recorder through its built-in high-quality microphone. You can record important meetings or lectures, which can be saved on your PC and played back when necessary.

## **Direct Encoding (Line-in)**

iAUDIO 4 provides a direct encoding features that accepts output from an external audio device for 1:1 recording. This means that iAUDIO's 3.5 mm Line-in jack and the output jack of the external audio device can be connected with a two-way stereo cable for recording. With this feature, it can directly accept music input from an audio device such as a Walkman, an MD (mini disk), an LP phonograph, or a TV to convert and save them as various types of digital files in iAUDIO for future listening.

## **Listening to/Recording of FM Broadcast**

You can listen to FM broadcasts and record them at the same time. This feature is very useful for studying foreign languages. The recorded files can be listened to repeatedly.

You can also save up to 20 radio frequencies as Preset stations with channel numbers.

### **Wide Graphic LCD**

A wide 4-line LCD with a 128 x 64 graphic LCD and an additional segment LCD is provided so that you can clearly check the overall operations of the product at a glance. In addition, commercial fonts are installed which can display more than 40,000 characters in various languages for multi-language support and beautiful display.

### **124 color LED backlight and visualization**

124 backlight colors can be displayed. You can personally specify colors for MP3, FM Radio, Recording, Menu, Navigating, and Song Change. For example, you can specify blue for MP3 mode and light green for FM mode. In this way, you can freely set the backlight color according to the mode and operation command.

### **The Most Powerful Sound Effects Recognized Worldwide**

iAUDIO provides the most unique, powerful, and fine quality sound. You can take advantage of all the following sound effects.

- BBE: Sound effects that provide the clearest music
- Mach3Bass: A bass booster that emphasizes super low frequency.
- MP Enhance: Sound effects that compensate for missing high-frequency sound.
- 3D Surround: Three-dimensional sound that gives a sense of space/depth.

### **Easy Upgrade with Firmware Download**

You can easily upgrade iAUDIO 4 with the firmware download feature. Continuous provision of firmware upgrades allows users to always enjoy new features.

### **USB Storage Drive**

iAUDIO is immediately recognized as a removable disk when a USB cable is connected. You no longer need extra small-capacity USB drives.

### **MP3 Encoding Software**

JetShell, the file transfer software included in the iAUDIO package, allows you to easily and rapidly convert and save music from a CD to MP3 files. Now you can conveniently store your audio CD music in iAUDIO and listen to them.

### **JetAudio**

With JetAudio, a world-class integrated multimedia player software, you can either listen to music or watch videos on your PC.



Battery (AAA size, 1 ea)



Bundled Earphone



Installation CD (JetShell &amp; JetAudio), User Guide



Fashionable Necklace



iAUDIO (MP3 Player Main Body)



Fashionable Carrying Case



Simple USB Connector



USB Cable, Line-in Recording Cable

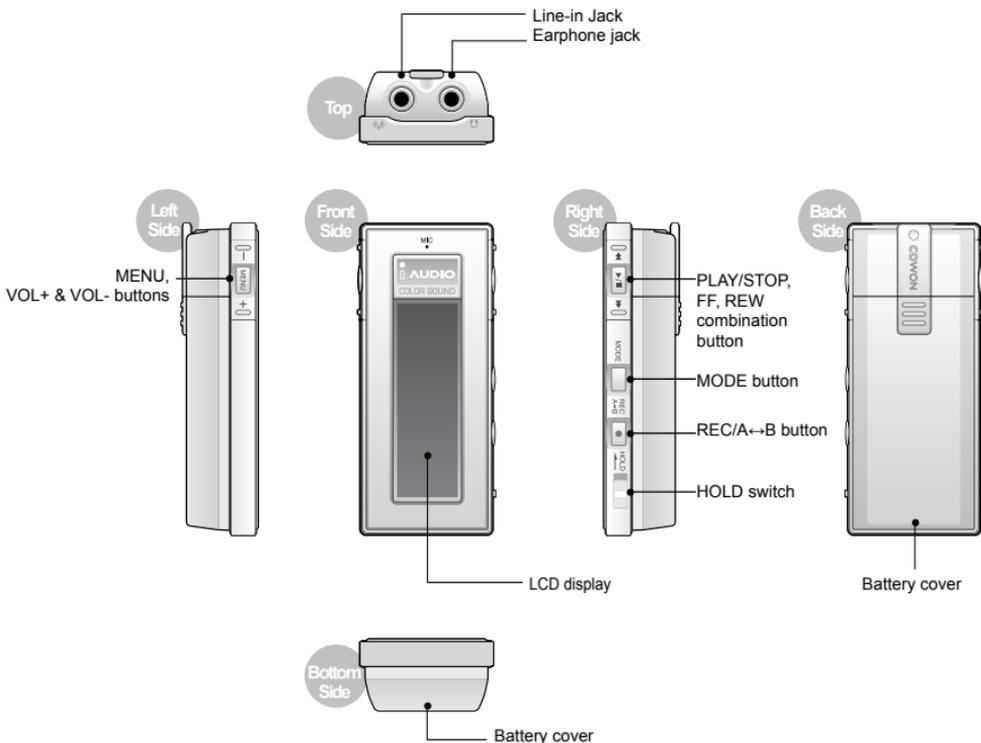
- Plays MP3, MP2, WMA, ASF, and WAV (Up to 48Khz Stereo). Voice recording, FM radio listening and recording. Direct MP3 encoding. USB Storage Drive.
- Built-in flash memory (128MB/256MB/512MB/1GB)
- 4 Line Graphic LCD
- 124 Colors LED Backlight
- USB 1.1 Interface
- Up to 15 hours of playback with one AAA battery (Based on our company's test)  
(The playing time may be shortened if visualization is used.)
- Multi-language Support (Commercial fonts that can display more than 40,000 characters in various languages are installed.)
- Enhanced Navigator
- Play/Pause/Intro, Stop/Power OFF, Recording
- Next Track/Previous Track, Fast Forward/Fast Rewind
- Infinite Loop
- Search speed & Skip speed setting
- 40 levels of digital volume
- Various EQ and sound field effects
  - User adjustable 5-band EQ
  - Normal, Rock, Pop, Jazz, Classic, Vocal, User
  - BBE, Mach3 Bass, MP Enhance, 3D Surround Support
- Resume function, Auto Power OFF
- Hold function
- Backlight ON time, Scroll speed, and Backlight color control
- Firmware download & Logo download
- ID3V2, ID3V1, Filename Support
- Product info display (Firmware version, Memory Usage)
- Software
  - JetShell (File transfer, MP3/WMA/WAV/AUDIO CD PLAY, MP3 ENCODING)
  - JetAudio (Integrated multimedia playing software)

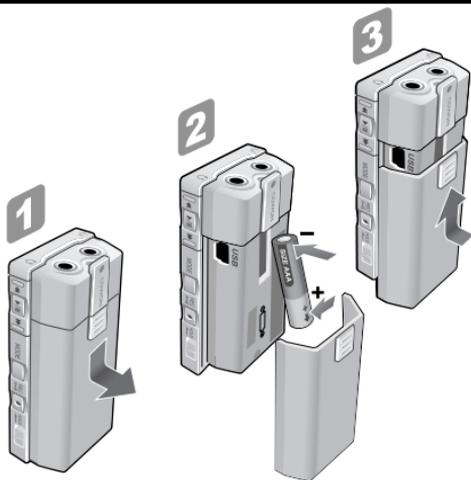
Playback formats	All ranges of MPEG 1/2/2.5 layer 3 (8kbps~320kbps) (8kHz~48kHz) and VBR All ranges of WMA (20kbps~192kbps) (8kHz~48kHz) All ranges of WMA9 CBR(5Kbps Mono~320Kbps Stereo) and VBR (48Kbps ~ 256Kbps) * WAV (Up to 48KHz Stereo)
Capacity	Built-in Flash Memory (128MB/256MB/512MB/1GB) **
PC Interface	USB 1.1
File transfer speed	Maximum 6Mbps
Battery	1.5V, AAA battery X 1 EA (Up to 15 Hours of Continuous Playtime) ***
Buttons	8 buttons (Play, Mode, REC, Menu, FF, REW, VOL +, VOL -)
Switch	1 switch (Hold)
Display	Wide Graphic LCD with 124 Colors LED Backlight (Multilingual Support)
SNR	95 dB
Maximum output	13mW + 13mW (16 Ohm Earphones)
Frequency Range	20Hz ~20KHz
Dimensions	2.95 X 1.26 X 0.67 inches (75.0 X 32.0 X 17.0 mm)
Weight	1.16 oz (33 g) (Without battery)

\* WMA9 Pro, Lossless and Voice Codec not supported.

\*\* Actual formatted capacity less

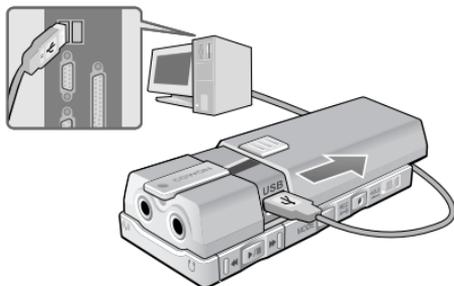
\*\*\* Based on our company's test environment





## Loading the Battery

1. Push down the battery cover on the back of iAUDIO 4, slide the cover down and pull it out toward you to remove it.
2. Insert the - /negative pole of the AAA size battery into the top of the battery compartment where there is a spring, and then put the + /positive pole into the bottom.
3. Push the cover from the bottom to the top in the reverse order of opening it.

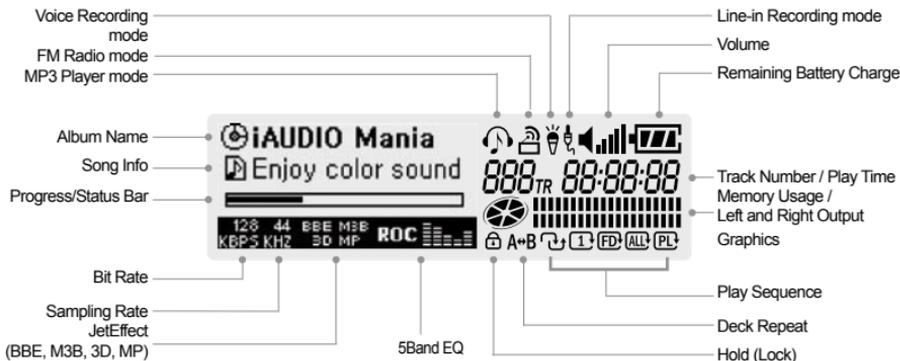


## Connecting USB Cable

Unlike when replacing the battery, push the back cover in the direction of the arrow until it stops. The built-in USB port appears and the cover is fixed.

Be careful about the direction of the USB cable when connecting iAUDIO with the computer. For Windows XP, it is OK to disconnect the USB cable after the transfer window is closed. For Windows 2000, however, you should run 'Safely Remove Hardware' before disconnecting the cable.

When downloading a file, make sure that the status has changed to **READY** on the iAUDIO LCD window before disconnecting the cable.



The Remaining Battery Charge icon indicates the remaining time the battery can be used. The more the battery is used, the fewer the number of segments in the icon. For some batteries or rechargeable dry cells, the number of segments in the battery icon may increase or decrease irregularly while the remaining charge is measured, but this is normal.



When the battery runs out and the icon starts blinking, the power is automatically turned off after about 30 minutes.



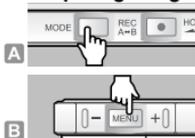
The memory usage is displayed in the MP3 Player mode while the player is stopped. If the built-in memory is 128Mbyte, 1 segment of the icon indicates about 21MByte ( $128\text{Mbyte} \div 6$ ). This icon becomes animated in the MP3 Player mode, and the icon becomes animated in the FM mode.



When ID3V2 or ID3V1 tag is used, the disk icon is used and the Artist + Album information is displayed. When the display setting is 'Filename', or the tag does not include the Artist information, the folder icon is used and the folder name is displayed. When the song is contained in the root, "iAUDIO" is displayed in the folder name.

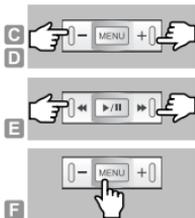
# Basic Operations for Using Menu

## 1. Opening Navigator or Mode Change Menu



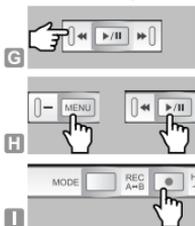
- A. To open the 'Mode Change' menu, press the 'Mode' button in the Play or Stop status.  
B. To open the Navigator, press the 'MENU' button in the Play or Stop status

## 2. Navigating and selecting in the Navigator or Mode Selection



- C. Up and Down movement in the menu: Press 'Vol -' to move up, and 'Vol +' to move down.  
D. Left and Right movement in the menu and mode selection: Press 'Vol -' to move left, and 'Vol +' to move right.  
E. Use 'FF' (entering a detailed item or move right) button and 'REW' (move left) button to move in the EQ or Color settings, and change the setting with '+' and '-' buttons.  
F. Selection: Press the 'MENU' button.

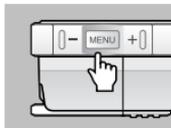
## 3. Returning to the previous menu, Going to the execution window for each mode after setting, Canceling setting and exiting



- G. Returning to the previous menu: Press the 'REW' button. The settings before the 'REW' button is pressed are saved and the previous menu appears.  
H. Going to the execution window for each mode: After changing the setting value, press the 'MENU' or 'Play/Pause' button to select it. The new setting value is applied and the execution window for each mode appears.  
I. Canceling setting and exiting: Press the 'REC/A ↔ B' button to cancel the setting value and exit the menu.

# Navigation Mode

## 1. Entering Navigation Mode



In the Play or Stop status, press and hold the 'MENU' button to activate Navigator. When you press the Mode key, the Navigation mode is activated



**Music Files:** You can navigate through music files such as MP3 and WMA according to the folder structure.

**Dynamic Playlist:** The Playlist that contain the files added with the 'Add to list' feature is displayed. You can also delete files from the list.

**Recordings:** You can navigate the files located under the 'Recordings' folder. The files recorded in the 'Voice Recorder mode', 'Line-in Recorder mode', and recorded FM broadcasts can be found here.

## 2. When you press the 'Menu' button after selecting a file in the Navigator mode



- Play Now : The tracks are immediately played.
- Add to List : The track is added to the Dynamic Playlist.
- Intro : Only the first part of the track is played.
- Delete : The tracks are completely deleted from the flash memory.

## 3. When you press the 'Menu' button briefly after selecting a folder in the Navigator mode



- Expand: The folder selected is opened.
- Play now: The tracks in the selected folder are played. (The song titles are not displayed since it is in the folder status.)
- Add to List: All the tracks in the selected folder are added to the 'Dynamic Playlist'.
- Press the REW button to move to the upper folder.
- When you select a folder and press the FF button, the folder opens (Expand).

# MP3 Player Mode



## 1. Power On & Playback



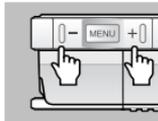
- Insert a new battery and connect the earphone correctly.
- When you press the 'PLAY' button, the power comes on and the 'iAUDIO' logo appears.
- Play automatically starts when the power is turned on.
- Since the 'Resume' function is set, the last played track and play position are recalled, and play starts from that position.
- If you wish to switch to the MP3 Player mode from another mode to listen to music, press the 'Mode' button after the iAUDIO is turned on. When the menu appears, navigate with the '+' and '-' buttons, and select 'MP3 Player' with the Menu button. Then you will enter the MP3 Player mode.

## 2. Power Off & Stop



- When you press and hold the 'PLAY' button while in the 'Stop' status, the power turns off.
- When you press the 'PLAY' button briefly while in 'Play' status, the play stops.
- When you set 'Auto Off' or 'Sleep' functions, the power automatically turns off.
- If the PC and iAUDIO are connected via a USB cable, you cannot turn the power off.

## 3. Adjusting Volume



- Press '+' or '-' buttons to adjust volume while in the 'Play' status.
- The volume changes by 1 level when you press the button briefly, and it changes rapidly when you press and hold the button.
- The volume level can be adjusted between 00 (mute) and 40.

#### 4. Changing Mode



- When you press the 'MODE' button, the 'Mode Change' menu appears.
- Pressing the '+' or '-' buttons cycles the mode in the order of: "MP3 Player → FM Radio → Voice Recorder → Line in Recorder." Select a desired mode and press the 'MENU' button.
- You cannot change modes from the 'MENU' window.

#### 5. Block Repeat Setting: A↔B



Use the 'REC(A↔B)' button while playing tracks in the MP3 Player mode. When you press the 'REC(A↔B)' button at the beginning position of the block you want to be repeated, the (A↔) icon is displayed at the bottom middle of the LCD. Then press the button again at the ending position of the repeat block, and the icon changes to (A↔B). This block will be played repeatedly. To disable this function during 'Block Repeat', press the 'REC' button once again.

#### 6. Hold:



When you set the 'HOLD' button to 'ON', the player does not work even if you press any other button.

## FM Radio (Listening to FM Radio)



After turning the iAUDIO on, press the 'Mode' button and select 'FM Radio' from the menu that appears. Use the '+' or '-' buttons for navigation and select with the 'Menu' button to enter the 'FM' mode.



When you press the 'FF/REW' button briefly while in 'FM' mode, the frequency changes by 0.1 KHz.

When you press and hold the 'FF/REW' button for 1 to 2 seconds and release it, the nearest channel with the best reception is automatically sought.



When you wish to immediately record the FM broadcast while listening to it, press the 'REC' button. The broadcast is recorded in the preset recording quality as the file name F\*\*\*.mp3 under "FM" in the "Records" folder. (\*\*\*) : a 3-digit serial number)

When you press the 'Play' button briefly while recording, the recording is 'paused.'

For details on how to set the recording quality, see page 32 in this User Guide.

When you press the 'Play' button briefly while playing, the mode changes to 'Preset' mode in which you can select previously saved channels. When you enter FM Presets by pressing and holding the MENU button, 20 preset channels are provided. You can change the preset channel by pressing the FF/REW button.



When you press the MENU button after selecting a channel, you can enjoy more convenient features with the popup menu that appears.

- Listen Ch: Listen to the current channel.
- Save Current: The current frequency is allocated (added) to the Preset channel.
- Delete Ch: The current Preset channel is deleted.

## Voice Recorder (Recording voice with the built-in microphone)



After turning iAUDIO on, press the 'Mode' button and select 'Voice Recorder' from the menu that appears. Use the '+' or '-' buttons for navigation and select with the 'Menu' button to enter the 'MIC' mode.



Press the 'REC' button to start recording.

The file is recorded in the preset recording quality as the file name V\*\*\*.mp3 under "VOICE" in the "Records" folder. (\*\*\*: a 3-digit serial number)

For details on setting the recording quality, see page 32 in this User Guide.

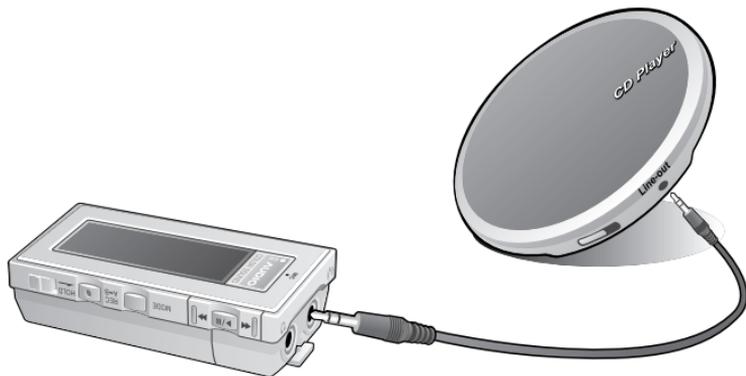


When you press and hold down the 'Menu' button, you can enter the 'Navigator' mode to use the following more convenient features.

- Play Now : The track immediately starts playing.
- Add to List : The track is added to the Dynamic Play List.
- Intro : Only the first parts of the tracks are played .
- Delete : The track is completely deleted from the flash memory.

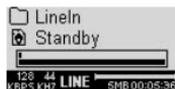
To use 'Fast Rewind' and 'Fast Forward' functions while playing recorded files, enter the 'MP3 Player' mode, then select and play the 'V\*\*\*.mp3' file under "VOICE" in the "Records" folder.

## Line-in Recorder (Direct Encoding)

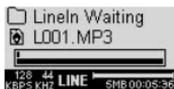


We will explain with an example of direct encoding between a "CD player" and the iAUDIO 4.

After turning the iAUDIO on, press the 'Mode' button and select 'Line-in Recorder' from the menu that appears. Use the '+' or '-' buttons for navigation and select with the 'Menu' button to enter the 'Line-in Recorder' mode.



Connect the headphone jack of the CDP and the Line-in jack of the iAUDIO with a two-way stereo jack cable.



Press the 'REC' button to set the iAUDIO to standby status for recording. At this time, the memory usage icon blinks but the timer does not increase, so it is not recording but is in standby status.



When you press the 'Play' button of the CDP, the iAUDIO receives the signal input from the Line-in jack and starts recording.

The recorded file is saved as 'L\*\*\*.mp3' under "LineIn" in the "RECORDS" folder in a certain sequence. (\*\*\*: A 3-digit serial number)

For details on setting the recording quality, see page 32 in this User Guide.



When you press and hold down the 'Menu' button, you can enter the 'Navigator' mode to use the following more convenient features.

- Play Now : The track immediately starts playing.
- Add to List : The track is added to the Dynamic Play List.
- Intro : Only the first parts of the tracks are played .
- Delete : The track is completely deleted from the flash memory.

To use 'Fast Rewind' and 'Fast Forward' functions while playing the recorded files, enter the 'MP3 Player' mode, then select and play the 'L\*\*\*.mp3' file under "LineIn" in the "Records" folder.

## JetEffect

### 1. Equalizer



After pressing the 'MENU' button in the 'MP3 Player' mode, enter 'JetEffect'.

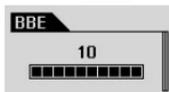
Select 'Equalizer' and press the 'MENU' button. The 5-band EQ appears.

With the '+' and '-' buttons, select from: Normal, Rock, Jazz, Classic, Pop, Vocal, and User EQ.

You can adjust all these different EQ types.

Select one EQ and press the 'FF' button to turn into the 'editing' mode and change the values with the '+' and '-' buttons.

### 2. BBE : BBE



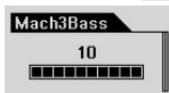
"BBE" is the sound effect for making music clear.

After pressing the 'MENU' button in the 'MP3' Player mode, enter 'JetEffect'.

Select 'BBE' and press the 'MENU' button. A menu appears for you to select a level between

0 and 10. Change the value with the '+' and '-' buttons.

### 3. Mach3Bass : MB



Mach3Bass is the bass amplifying feature that emphasizes super low frequency.

After pressing the 'MENU' button in the 'MP3 Player' mode, enter 'JetEffect'.

Select 'Mach3Bass' and press the 'MENU' button. A menu appears for you to select a level between 0 and 10. Change the value with the '+' and '-' buttons.

### 4. MP Enhance : MP



'MP Enhanced' is the sound field effect that compensates for lost high-frequency sound.

After pressing the 'MENU' button in the 'MP3 Player' mode, enter 'JetEffect'.

Select 'MP Enhance' and press the 'MENU' button. A menu appears for you to select 'On' or 'Off'. Change the value with the '+' and '-' buttons.

### 5. 3D Surround :



'3D Surround' provides 3-dimensional sound effects.

After pressing the 'MENU' button in the 'MP3 Player' mode, enter 'JetEffect'.

Select '3D Surround' and press the 'MENU' button. A menu appears for you to select a level between 0 and 10. Change the value with the '+' and '-' buttons.

### 6. Left & Right Balance (Pan)



'Pan' is the feature to adjust the balance between left and right sound volume.

After pressing the 'MENU' button in the 'MP3 Player' mode, enter 'JetEffect'.

Select 'Pan' and press the 'MENU' button. A menu appears for you to select a level between -20 and +20. Change the value with the '+' and '-' buttons.

## Play Mode

### 1. Boundary :



This menu is for setting various boundaries of play.

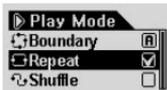
The mp3 files recorded with the microphone and Line In are excluded.

After pressing the 'MENU' button in the 'MP3 Player' mode, enter the 'PLAY Mode'.

Select 'Boundary' and press the 'MENU' button to change the value as follows:

- 1 (One) : Only one song is played.
- F (Folder) : Only the currently selected folder is played.
- A (All) : All tracks are played regardless of the folder.  
However the recorded files in the 'RECORDS' folder are excluded.  
In the 'RECORDS' folder, only the values "F" or "1" work.
- PL (Playlist) : Only the tracks selected in the 'Play List' are played.

### 2. Repeat :



You can adjust the repeat value to apply to the tracks to be played.

After pressing the 'MENU' button in the 'MP3 Player' mode, enter the 'PLAY Mode'.

When you select 'Repeat' and press the 'MENU' button, the rectangular box on the right is checked. When you press the 'MENU' button again, the check is removed and the repeat play is not activated. When the box is checked, the play repeats indefinitely.

### 3. Shuffle :



This sets whether or not to play randomly within the boundary specified in the 'Play' mode. After pressing the 'MENU' button in the 'MP3 Player' mode, enter the 'PLAY' Mode. When you select 'Shuffle' and press the 'MENU' button, the rectangular box on the right is checked. When you press the 'MENU' button again, the check is removed and the random play is not activated. If it is checked, the songs are played randomly.

# Backlight

You can change the backlight color.

Press the 'MENU' button and select 'Backlight', then press the 'MENU' button once again.

The following menu is provided. After selecting a value, press the 'MENU' button to change the color.

## 1. Color



Playing, FM Radio, Recording, Menu, Navigating, Song Change

(E.g.) Select 'Playing'. Three colors, Red, Green and Blue appear.

When you select 'Red' and press the 'FF/REW' button, the color changes.

Select a value between 0 and 4, and press the 'MENU' button to return to the upper menu.

## 2. Theme



- This is the visualization effect provided by the iAUDIO itself.
- After selecting 'Theme' and pressing the 'Menu' button, you can change the desired theme with the '+' and '-' buttons.
- You can select 'Rainbow Runner' or 'Shooting Star'. When you select 'None', the Theme does not apply.

## 3. Time



- This menu is for setting the time for which the backlight is turned on.
- Select 'Time' and press the 'Menu' button. Using the '+' and '-' buttons, select from: 3 sec., 5 sec., 10 sec., 30 sec., 60 sec., or 'Always On' / 'Always Off'.

## Display

### 1. Play Time



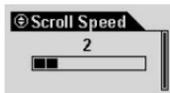
- Display and change the time information of the played track.
- Remain : The remaining time is displayed in reverse. (E.g.: - 3:32)
- Elapse : The elapsed time is displayed from the beginning. (E.g.: 0:01)
- When you select an option and press the 'Menu' button, the selection is applied.

### 2. Song Title



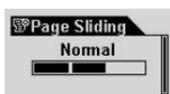
- This is the feature to decide how to display file names.
- ID3V2 : ID3 Tag version2 is given priority.
- ID3V1 : ID3 Tag version1 is given priority.
- FileName : The saved Windows file name is displayed as it is.
- When you select an option and press the 'Menu' button, the selection is applied.

### 3. Scroll Speed (Screen Speed)



- This is the feature to adjust the scroll speed of texts on the LCD display.
- A number between 0 and 8 can be selected. (0 means no scroll)
- Select Scroll Speed and press the 'Menu' button, then set a value with the '+' and '-' buttons.

### 4. Page Sliding (Menu Animation Effect)



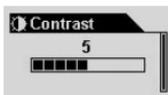
- This is the feature to control the animation effect for the smooth opening and closing of menus.
- You can choose: Fast, Normal, or Smooth.
- Select a value and press the 'Menu' button to apply it.

## 5. Language (Menu Language)



- This is the feature to change the menu language.
- You can choose: Chinese (Simp), Chinese (Trad), English, Hangul (Korean), Japanese, or Russian.

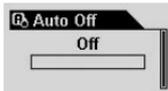
## 6. Contrast (Display Brightness)



- This is the feature to adjust the brightness of the LCD display.
- You can choose a number between 1 and 9.  
Select 'Contrast' and press the 'Menu' button. Choose a value with the '+' and '-' buttons.

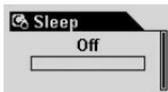
# Timer

### 1. Auto Off



- When there is no button operation during a preset time while the iAUDIO is stopped, it is automatically turned off.
- You can choose: 0 sec., 30 sec., 1 min., 5 min., 10 min., 30 min., or 60 min.
- Select 'Auto Off' and press the 'Menu' button. Then choose a value with the '+' and '-' buttons.

### 2. Sleep



- iAUDIO can be set to automatically turn off after a preset time while it is playing.
- You can choose: 0, 10, 20, 30, 40, 50, 60, 90 or 120 min.
- Select 'Sleep' and press the 'Menu' button. Then choose a value with the '+' and '-' buttons.

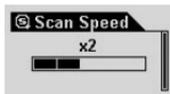
## General

### 1. Skip Length



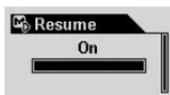
- This is the feature to set the length of one skip when the 'FF/REW' button is pressed once.
- You can choose Track, 2, 3, 4, 5, 10, 15, 20, or 30 sec.
- Select 'Skip Length' and press the 'Menu' button. Then choose a value with the '+' and '-' buttons.

### 2. Scan Speed



- This is the feature to set the speed for 'Fast Forward/Fast Rewind' when the 'FF/REW' button is pressed and held down.
- You can choose: x1, x2, x4, x8, or x16 speeds.
- Select 'Scan Speed' and press the 'Menu' button. Then choose a value with the '+' and '-' buttons.

### 3. Resume



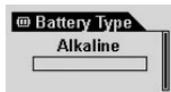
- This is the feature to recall the last played position (track).
- You can choose On or Off.
- Select 'Resume' and press the 'Menu' button. Then choose a value with the '+' and '-' buttons.

### 4. Auto Play



- This is the feature to play iAUDIO immediately after it powers on.
- You can choose 'On' or 'OFF'.
- Select 'Auto Play' and press the 'Menu' button. Then choose a value with the '+' and '-' buttons.

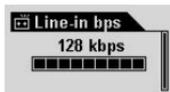
## 5. Battery Type



- This is the menu to directly set the battery type used.
- Since the measurement of the Remaining Battery Charge depends on the battery type, you need to choose the correct one.
- You can choose either 'Alkaline' or 'Rechargeable.' We officially recommend a 1.2 to 1.5V nickel hydride fast rechargeable dry cell or alkaline battery for iAUDIO.
- Select 'Battery Type' and press the 'Menu' button. Then choose a battery type with the '+' and '-' buttons.

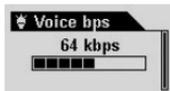
# Recording

## 1. Line-in bps



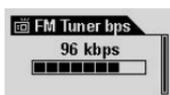
- This is the menu for setting the transmission rate (quality) of the MP3 files recorded via 'Line In'.
- You can choose: 32, 40, 48, 56, 64, 80, 96, 112, or 128 kbps.
- From 32kbps to 64kbps is recorded in mono. From 80kbps to 128kbps is recorded in stereo.
- Select 'Line-in bps' and press the 'Menu' button. Then choose a value with the '+' and '-' buttons.

## 2. Voice bps (Built-in Microphone)



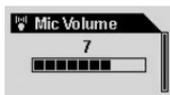
- This is the menu for setting the transmission rate (quality) of the MP3 files recorded via the built-in microphone on the front of the iAUDIO.
- You can choose: 32, 40, 48, 56, 64, 80, 96, 112, or 128 kbps.
- All the MP3 files recorded via the built-in microphone are in mono sound.
- Select 'Voice bps' and press the 'Menu' button. Then choose a value with the '+' and '-' buttons.

## 3. FM Radio bps (FM Tuner)



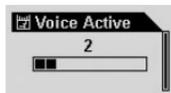
- This is the menu for setting the transmission rate (quality) of the MP3 files recorded by pressing the 'REC' button while listening to FM.
- You can choose: 32, 40, 48, 56, 64, 80, 96, 112, or 128 kbps.
- From 32kbps to 64kbps is recorded in mono. From 80kbps to 128kbps is recorded in stereo.
- Select 'FM Radio bps' and press the 'Menu' button. Then choose a value with the '+' and '-' buttons.

## 4. Mic Volume



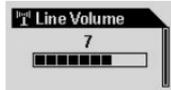
- This adjusts the volume level of the sound input ("recording level") to the built-in microphone.
- Too high volume levels may amplify surrounding noise or cause electric noise, degrading the recording quality.
- You can choose a level between 1 and 10. The higher value amplifies sound more.
- Select 'Mic Volume' and press the 'Menu' button. Then choose a value with the '+' and '-' buttons.

## 5. Voice Active



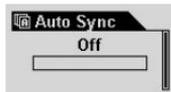
- The recording pauses automatically when there is no sound input, and the recording resumes when a sound is input. This feature allows you to save memory.
- You can choose a number between 0 and 10. A smaller value gives more sensitivity (to the mic). If this value is set too high compared to the surrounding noise, the sensitivity of iAUDIO drops, causing it to remain in 'recording standby' status. Therefore, be sure to set this value to 0 (Off) when recording for an important occasion.
- Select 'Voice Active' and press the 'Menu' button. Then choose a value with the '+' and '-' buttons.

## 6. Line Volume



- This adjusts the volume level of the sound input (recording level) from the direct encoding jack.
- You can choose a level between 1 and 10. The higher the value, the higher the recording level.
- Select 'Line Volume' and press the 'Menu' button. Then choose a value with the '+' and '-' buttons.

## 7. Auto Sync



- This is the feature to automatically detect the sound input from the 'Line-in' jack and recognize blanks between tracks to save the tracks separately as individual files.
- You can choose a number between 0 and 8. 0 indicates the feature is off. The higher value recognizes the longer blanks between tracks.
- The above numbers do not indicate seconds, but a general indication of the level by number.
- Select 'Auto Sync' and press the 'Menu' button. Then choose a value with the '+' and '-' buttons.



## FM Radio

### 1. Stereo



- This is the menu for selecting stereo or mono while listening to the FM radio.
- You can choose 'Stereo' or 'Mono'.
- Select 'Stereo' and press the 'Menu' button. Then choose a value with the '+' and '-' buttons.

### 2. FM Region (Country Setting)



- This is the menu for selecting the country where you are listening.
- You can choose: China, Europe, Japan, Korea, Russia, or US.
- Select 'Region' and press the 'Menu' button. Then choose a country with the '+' and '-' buttons.

## Information

### **Version (Firmware Version)**

- The current version number of the firmware installed in iAUDIO is displayed.

### **Memory (Used/Total Memory)**

- Information on the flash memory in iAUDIO is displayed.
- You can check usage and remaining memory size.
- Some of the flash memory in iAUDIO is used for system area.  
Therefore, when we exclude the system area essential for normal operation of iAUDIO, the actual capacity of the flash memory is somewhat reduced.
- For example, with a 128MB product, about 119MB of memory capacity is normal.

### **Battery (Remaining Battery Charge)**

- Information on the battery in iAUDIO is displayed in volts.
- You can check the remaining battery charge.

## Glossary

### **BBE**

The sound effects with high resolution that reinforces treble sound and makes music clearer

### **Mach3Bass**

An elaborate bass booster that reinforces super bass bands, creating a richer and denser bass sound

### **MP Enhance**

The sound effects that compensates for lost sound segments of tracks within the device itself during play

### **3D Surround**

Three-dimensional sound that gives a sense of space

### **Boundary**

A feature to specify the 'boundaries' of play for files or folders

### **Contrast**

A feature to adjust the brightness of the LCD display

### **Resume**

A feature to memorize/recall the last play position

Symptom	Remedy	Explanation
iAUDIO does not power on.	Make sure that the polarity of the installed battery is correct.	iAUDIO does not work if the polarity of the battery is switched.
	Replace the battery with a new one.	iAUDIO does not work when the battery is dead.
	Remove the battery and insert it again.	Check if contact areas of the battery (+ & - poles) are clean.
There is no sound.	Make sure that there are mp3 files in the memory.	iAUDIO does not work if there is no file saved in the memory.
	Check if the 'Hold' button is set to ON. If it is, set the 'Hold' button to OFF and try again.	iAUDIO does not work when the Hold button is set to ON.
FM Radio does not work.	FM reception sensitivity may be weak and you may not be able to hear FM Radio clearly depending on where you are, such as inside a building or a moving car, or on some stretches of a subway. In addition, listening to the radio may become impossible in radio wave shade areas.	
	If FM radio does not work where radio reception should be possible, there may be a problem in the reception module. In this case, please contact our AS Center.	
Characters on LCD are abnormal.	Change the language setting to 'English' in the 'Country & Language' menu of iAUDIO, and select 'File name' in the ID3 tag adjustment menu. If the problem continues, contact our AS Center. However, some special foreign characters may be displayed abnormally due to restriction of embedded fonts.	
The displayed/used capacity of flash memory is reduced. (E.g.: 119MB is displayed for 128MB memory)	Some of the flash memory in iAUDIO is used for system area. Therefore, when we exclude the system area essential for normal operation of iAUDIO, the actual capacity of the flash memory is somewhat reduced. For example, with a 128MB product, about 119MB of memory capacity is normal.	

Symptom	Remedy	Explanation
Memory is full and iAUDIO works abnormally or does not play.	Initialize iAUDIO and leave a free space of 1-2 MB, then try again.	An important system file, "settings.dat" is saved in the Root folder of the Flash memory. When this file is not saved properly, or deleted, or damaged during file transfer, iAUDIO may not work normally.
Hundreds of files are saved in Root folder and iAUDIO does not work or works abnormally.	There are more limitations for Windows 98. For Windows 2000 or XP, we recommend that you create a separate folder and subfolders under it for saving files.	iAUDIO uses FAT. Owing to the limitations of FAT, you are advised not to save many files in the root directory.

When 'JetShell' is activated, it controls the iAudio drive. Therefore, you should exit 'JetShell' before performing the following tasks:

- Installing the USB drive
- Formatting in 'Windows Explorer'
- Upgrading the firmware



## MP3 Player Mode

Key	Operation	During Stop	During Play
<b>Play/Pause</b> 	●	Play the current track	Stop the current track
	▬	Power On	Power Off
<b>FF</b> 	●	Skip to the next track	Skip to the next track or move forward by 5sec or 10sec. (SKIP setting)
	▬	Fast Forward	Fast Forward
<b>REW</b> 	●	Skip to the previous track	Skip to the previous track or move backward by 5sec or 10sec. (SKIP setting)
	▬	Fast Rewind	Fast Rewind
<b>MENU</b> 	●	Setup menu	Setup menu
	▬	Navigator	Navigator
<b>MODE</b> 		Select	Select a mode
<b>Vol +</b> 		Increase volume	Increase volume
<b>Vol -</b> 		Decrease volume	Decrease volume
<b>REC/A↔B</b> 	●		Start or Stop Repeat A ↔ B (Block Repeat)
	▬		

For Operation, ● indicates pressing the key briefly, and ▬ indicates pressing the key for more than 1 second.



## FM Radio Mode

Key	Operation	During Stop	In the Preset Mode
<b>Play/Pause</b> 	●	Enter Preset mode	Exit Preset mode
	▬	Power ON	Power Off
<b>FF</b> 	●	Increase frequency	Skip to the next preset
	▬	Search the next FM station	Skip to the next preset
<b>REW</b> 	●	Decrease frequency	Skip to the next preset
	▬	Search the previous FM station	Skip to the previous preset
<b>MENU</b> 	●	Setup menu	Setup menu
	▬	Preset mode setting	Preset mode setting
<b>MODE</b> 		Select a mode	Select a mode
<b>Vol +</b> 		Increase volume	Increase volume
<b>Vol -</b> 		Decrease volume	Decrease volume
<b>REC/A↔B</b> 	●	Start or stop recording	Start or stop recording
	▬		



## Voice Recorder /Line-in Recorder Mode

Key	Operation	During Stop	In the Preset Mode
<b>Play/Pause</b> 	●	Play the previous recording file	Pause/Continue recording
	▬	Power Off	Power Off
<b>FF</b> 	●		
	▬		
<b>REW</b> 	●		
	▬		
<b>MENU</b> 	●	Setup menu	
	▬	Navigator	
<b>MODE</b> 		Select a mode	
<b>Vol +</b> 		Increase volume	
<b>Vol -</b> 		Decrease volume	
<b>REC/A↔B</b> 	●	Start recording	Start recording
	▬		

## Navigator

Key	Operation	When Selecting a File	When Selecting a Folder
<b>Play/Pause</b> 	 	Play the selected file and then change/return to the MP3 Player mode	Expand folder
<b>FF</b> 	 	Play the selected file and then change/return to the MP3 Player mode	Expand folder
<b>REW</b> 	 	Move to the upper folder	Move to the upper folder
<b>MENU</b> 	 	Pop up menu	Pop up menu
<b>MODE</b> 			
<b>Vol +</b> 		Move the focus down	Move the focus down
<b>Vol -</b> 		Move the focus up	Move the focus up
<b>REC/A↔B</b> 	 	Change to the MP3 Player mode	Change to the MP3 Player mode

◀ JetEffect	Equalizer :  Equalizer
	BBE :  BBE
	Mach3Bass :  Mach3Bass
	MP Enhance :  MP Enhance
	Surround :  3D Surround
	Balance Adjustment :  Pan
▶ Play Mode	Boundary of Play :  Boundary
	Repeat Play :  Repeat
	Shuffle :  Shuffle
⊗ Backlight	Light Color :  Color
	Theme :  Theme
	Lighting Time :  Time
☰ Display	Play Time :  Play Time
	ID3 Tag :  Song Title
	Scroll Speed :  Scroll Speed
	Slide :  Page Sliding
	Language :  Language
	LCD Brightness :  Contrast
⌚ Timer	Auto Off :  Autooff
	Sleep Mode :  Sleep

☰ General	Skip Length :  Skip Length
	Scan speed :  Scan Speed
	Resume :  Resume
	Immediate Play :  Auto Play
	Battery Type :  Battery Type
	☰ Recording
Microphone :  Voice bps	
FM :  FM Radio bps	
Microphone Sensitivity :  Mic Volume	
Voice Detection :  Voice active	
Line Sensitivity :  Line Volume	
Auto Sync :  Auto Sync	
☰ FM	Stereo :  Stereo
	Band Region :  Region
ℹ Information	Firmware Version Memory Usage Battery Info

## What is JetShell?

**JetShell is the iAUDIO manager program providing the following features:**

- Downloading/Uploading files from/to iAUDIO (some files excluded).
- File management with the same structure as Windows Explorer
- Playing MP3, MP2, WAV, WMA, ASF, Audio CD, and Play List (m3u)
- MP3 file extraction(ripping) from Audio CD
- Conversion between WAV/MP3/WMA
- Changing MP3 Bit rates
- Convenient file transfer using Download List
- A wide selection of spectrums, equalizers, and effects
- Editing CDDB and ID3 tags
- iAUDIO logo transfer
- Formatting the flash memory

## Running Environment for JetShell

- Pentium 200 Mhz or higher
- Memory 32MB or more
- Hard Disk 20 MB or more
- Graphic Card 256 Color or higher
- Windows 98/ME/2000/XP (NT is not supported)
- USB Port 1.1 or higher
- CD-ROM
- Sound Card, Speaker or Headphone

## Installing JetShell

When you insert the iAUDIO Installation CD in the CD-ROM drive, the installation program starts automatically. It may not start automatically sometimes depending on the status of the Windows. In this case, run CD-ROM:\Setup.exe or CD-ROM:\JetShell\Setup.exe.

When the installation finishes, Start → Programs → COWON → iAUDIO 4 program group is registered.

## Connecting iAUDIO

### Windows ME/2000/XP

1. Insert a new battery in iAUDIO correctly.
2. The H:\ drive shown in the illustration is an example, and it may be different from the actual drive name of your PC. It was given for your reference only.
3. With the USB cable, connect the USB ports of iAUDIO and your PC. (iAUDIO should not use a USB hub. It is assumed that you connect to the USB port on the main board.)
4. In the normal Windows environment, as soon as the cable or simple USB jack is connected, the message "Searching for new device" appears and the USB driver for iAUDIO 4 is installed automatically. The drive installation window may not appear on the screen depending on the status of Windows.

5. To make sure that the installation was completed, check for the device 'iAUDIO' in 'My Computer' as shown in the following picture (based on Windows 98 SE), or in 'Control Panel – System – Hardware – Device Manager.'



## For Windows 98 / 98 SE

1. The E:\ drive shown in the illustration is an example, and it may be different from the actual drive name used by your PC. It was given for your reference only.



3. Connect iAUDIO and PC with a USB cable. In the normal Windows environment, a message saying that the iAUDIO 4 Digital Audio Player device was found will be displayed as shown in the picture. Click on the 'Next' button.
4. Check "Search the best driver for your device" and click 'Next'.



5. Check "Specify a location" and click on the [Browse] button.
6. From the 'Browse' window, select the [Win98] folder on the iAUDIO Installation CD, and click on the 'Next' button. When the model name "iAUDIO 4 Digital Audio Player" appears on the [Add New Hardware Wizard] window as shown in the picture, click on the [Next] button.

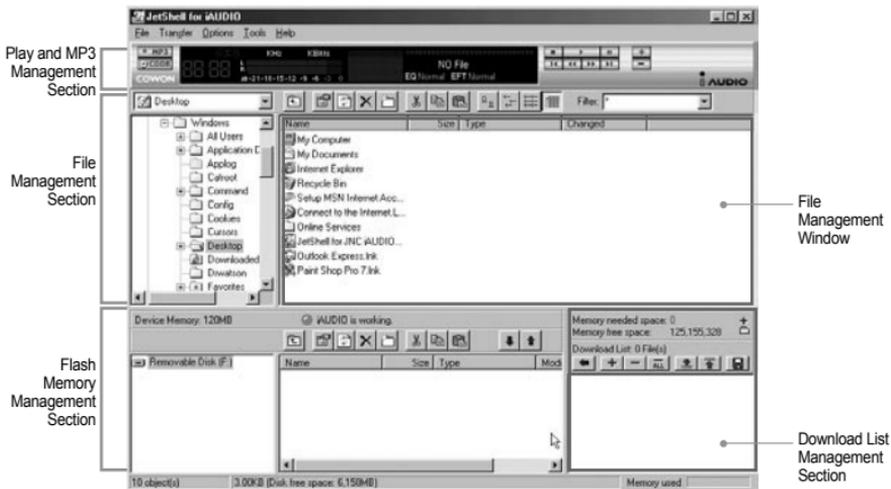


7. The driver files are copied and installed from the Installation CD. When the installation finishes, a message notifying you of completion appears as shown in the picture.



8. Finally, make sure that installation of iAUDIO 4 was completed normally by checking "iAUDIO 4 Digital Audio Player" displayed under Control Panel → System → Device Manager → Hard Disk Controller.

## The Whole Picture



When JetShell is activated, it controls the iAudio drive. Therefore, you should exit JetShell before performing the following tasks.

- Installing the USB drive
- Formatting in Windows Explorer
- Upgrading the firmware

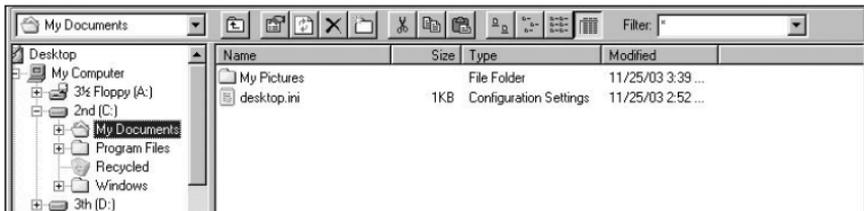
## Playing MP3, MP2, WAV, WMA, ASF, Audio CD, and Play List (m3u)



Double click an MP3, MP2, WAV, WMA, ASF, Audio CD file, or Play List (m3u) in the 'File Management' Window, or drag and drop the file on the 'Player' shown above. Then the file starts playing. In addition, you can also select multiple files and then press the 'Play' button. On the black screen in the middle, the progress bar and song names of the selected tracks scroll to the left, and two types of spectrum screens appear.

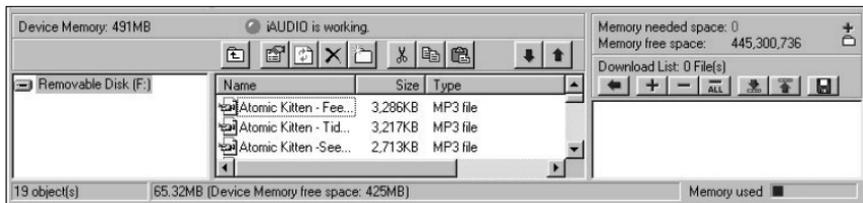
You can start and stop playing the file with the buttons at the right, and adjust the volume with the + and - buttons. To skip instantly to a specific position of the track being played, click on the position bar.

## Playing MP3, MP2, WAV, WMA, ASF, Audio CD, and Play List (m3u)



The File Management Section of JetShell looks just like Windows Explorer. The left window shows folders, disks, and CD-ROM in a tree structure, and the right window shows the file list in a folder.

## Flash Memory Management



The bottom part of JetShell consists of 'Flash Memory Management Section' and 'Download List.' When iAUDIO is working normally, the red lamp flashes with the message 'iAUDIO is working' as shown in the figure. The files transferred from PC to iAUDIO by the user are displayed in the middle window. The "Memory used" bar shown at the bottom right indicates the used memory size of the total flash memory of iAUDIO. If this bar is almost full, it means that there is almost no free space available in iAUDIO.

Button	Function	Explanation
	Up	Move to the upper folder.
	Registration Info	Display the registration information of the file.
	Refresh	The contents of flash memory are reread and updated.
	Delete	Delete the selected file or folder.
	New folder	Create a new folder.
	Cut	Cut the selected file or folder.
	Copy	Copy the selected file or folder.
	Paste	Paste the cut or copied file.
	Transfer to Flash Memory	Transfer the selected files or folder from PC to iAUDIO.
	Transfer to PC	Transfer the selected files or folder from iAUDIO to PC.

JetShell displays visually cool spectrums. When you click on the spectrum display area, the screen changes as follows.



You can also enjoy various equalizers and effects.



Various Equalizers



Various Effects

## Downloading MP3 files to iAUDIO

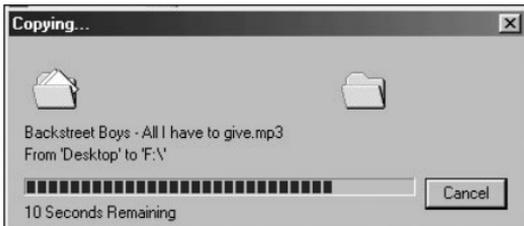
1. Downloading sound files to iAUDIO is very simple. Select files to download from the 'File Management Section' and click on the down arrow.



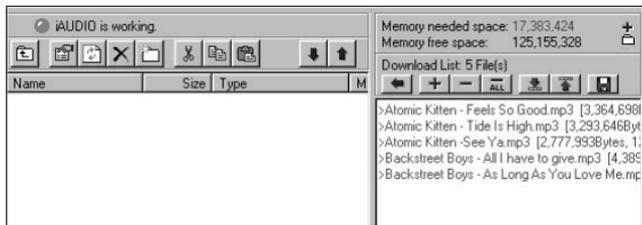
2. Or you can also drag and drop the selected files from the 'File Management Section' to the window at the bottom as if you were using Windows Explorer.



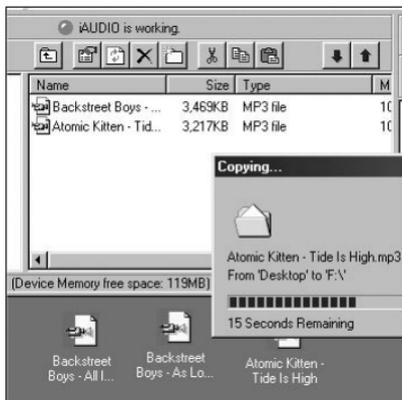
3. The following window shows the file downloading process. The backlight turns on during file download. Never disconnect the USB cable while the backlight is turned on.



4. Another method is to enter the files in the 'Download List' window as shown below before downloading. This is useful when you wish to enter files in different folders with the + button and then download them all at once.



5. You can also download the files existing outside of JetShell by dragging and dropping them onto the 'Flash Memory' Window.



## Deleting Files in iAUDIO

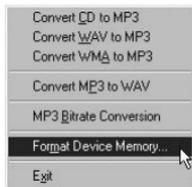
You can delete files in iAUDIO in the same manner as in Windows Explorer.

Select the files to delete and click on the  button. Then the confirmation window "Delete from flash memory?" appears. Click 'Yes' to delete them.

You can also delete files from the pop up menu that appears when you right click your mouse after selecting a file in the 'Flash Memory' Window.

You can format iAUDIO as you do a hard disk. However, you should take special care when you format it since all the data in the memory will be deleted.

1. From the JetShell menu, click [File] –[Format Device Memory].



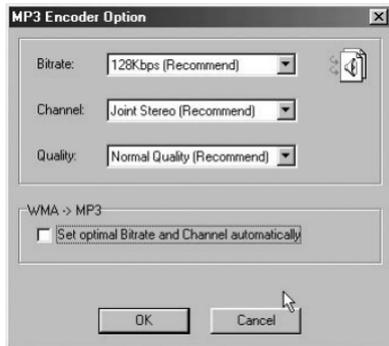
2. When the 'Format' window appears, select 'FAT'. If you select 'FAT32' and format, iAUDIO is recognized as just USB storage media and will not function normally as an MP3 Player. Therefore, be sure to format as 'FAT' only.



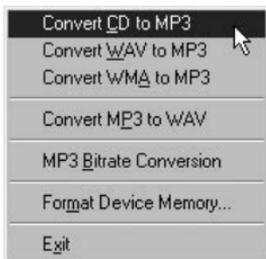
## Converting Audio CD Tracks to MP3 Files and Directly Downloading Them to iAUDIO

With JetShell, you can easily convert your Audio CD into MP3 files and download them to iAUDIO. Since the Audio CD tracks are digitally converted to MP3 without transforming them to wave files first, the speed is very fast.

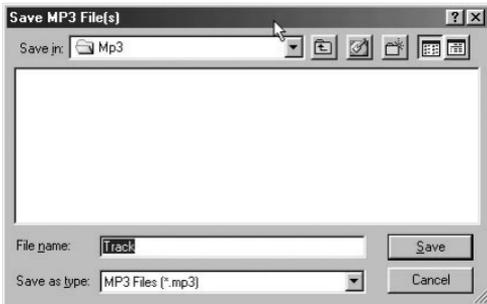
1. Before getting started, you must choose the quality of the MP3 files to create. Click [Setup] –[MP3 Encoder Option] to set the desired bit rate of the MP3 files. (The files compressed in a high bit rate have a higher sound quality and a bigger file size.)



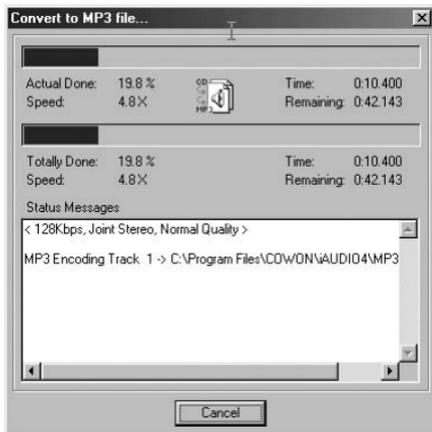
- From the 'File Management' section, select the CD-ROM drive in which the Audio CD is inserted. Select the audio tracks from the right window and click  or [File] - [Convert CD to MP3] from the menu.



- Specify the path 'iAUDIO' (Mobile Disk) to save the MP3 files in.



4. The converting process is displayed as shown below.



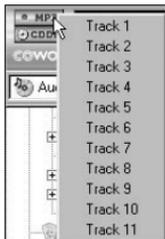
## 1. Ripping Enhanced CD

For some enhanced CDs, you cannot directly select the tracks on the CD.

In this case, you can right click your mouse and select a track to convert to  file as shown in the picture below. However, for some Audio CDs for which copy protection technology is applied, this ripping method may not work.

### What is an enhanced CD?

This is an audio CD that contains video or data for a PC.



The tracks appear when you right click your mouse.

## 2. Accessing CDDB

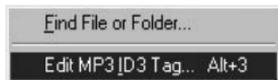
When you press the  button, the information on the CD, such as the singer and song title can be acquired through the Internet.

To use CDDB, the Internet connection must be enabled. You may not be able to use this feature depending on the status of the network or the proxy server.

When incorrect data is included in the CD text received from CDDB, the fonts (including Korean letters) may appear broken on your PC. This is not an error of JetShell but the information stored in CDDB.

### 3. Editing ID3 Tag

You can edit the ID3 tag of a MP3 file by selecting [Tools] – [Edit MP3 ID3 Tag] from the JetShell menu.



## 4. Changing MP3 Bit Rate

You can change the bit rate of MP3 files by selecting ‘MP3 Bit Rate Conversion’ from the menu.



## 5. Downloading Logo File

You can download a logo file to change the logo screen that appears when iAUDIO powers on.

Select ‘Download Logo File’ from the menu. When the ‘Open’ window appears, locate the desired logo file and click ‘Open’.



## Installing and Using JetAudio

The worldwide renowned integrated multimedia playing program 'JetAudio' is included in the iAUDIO Installation CD. To install 'JetAudio', run the file "CD-ROM:\JetAudio\setup.exe." For detailed information on using JetAudio, refer to the JetAudio 'Help' after installation, or post your question on the Q&A board at the site "<http://www.JetAudio.com>."



## Guide to Firmware Upgrade

### A. What is Firmware?

Firmware is a program embedded in the hardware, which activates various features.

By upgrading the firmware, you can enhance the features of the product and eliminate the bugs.

### B. Notice for Legal Limitations and Responsibilities Regarding Firmware

- The performance and menu of iAUDIO may change without prior notice through firmware upgrades of regular or beta versions supported by the manufacturer.
- When you upgrade the firmware, all the data in the flash memory is deleted. Therefore, users should personally back up important MP3 files and data saved in iAUDIO to their PC before upgrading the firmware.
- All firmware upgrades are intended for overall enhancement of performance. The upgrades will be provided when available based on our company's judgment.
- Some beta versions of the firmware included in our development roadmap may have minor bugs that will be corrected in the official versions of the firmware. We are warning you beforehand of this possibility through this Guide.

### C. Conditions for Firmware Upgrade

- Upgrading the firmware of iAUDIO requires the basic environment where the UMS feature of the Windows OS works properly.
- You can check "iAUDIO" in 'My Computer' on Windows 98 /ME /XP.  
For Windows 2000, "Mobile Disk" may be displayed instead of 'iAUDIO'.
- Either 'iAUDIO' or 'Mobile Disk' must be displayed for a firmware upgrade to be possible. If it is not displayed, we recommend that you check the menu that asks whether or not to use a USB Device from the main board CMOS, or reinstall Windows, or have the USB port on the main board examined.

## D. Downloading and Installing Firmware

- You can download the latest firmware from 'Library' on the 'http://www.iAUDIO.com' site free of charge.
  - In order to upgrade the firmware of iAUDIO, you need the firmware upgrade program and the firmware data file, which are provided separately. Please refer to the following procedure.
- ① You need to install the firmware upgrade program. Decompress the downloaded file and run the "setup.exe" file from among the decompressed files. Then the following window appears.



- ② Read the License Agreement. To continue installation, click on the [Next] button.



- ③ Specify the destination folder.



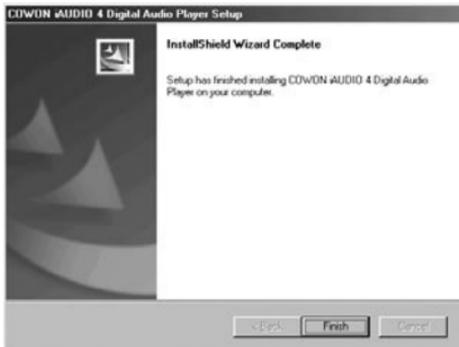
- ④ Specify a group name.



- ⑤ The files are copied.



- ⑥ The installation is complete.



- ⑦ Depending on the type and status of Windows, the following window for choosing whether or not to reboot appears. If this window appears, choose "Yes" to reboot.



- ⑧ After completing installation of the firmware upgrade program, decompress the downloaded 'Zip' file or 'EXE' file containing the firmware data. You download the firmware data from 'Library' on the iAUDIO.com site as a Zip file.



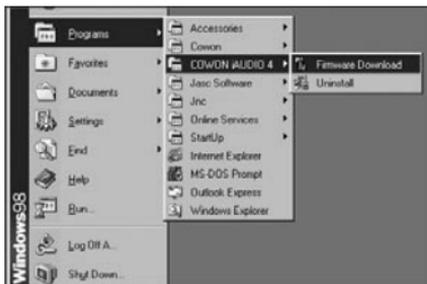
- ⑨ Copy the decompressed files into the "C:\program files\cowon\iAUDIO 4" folder.



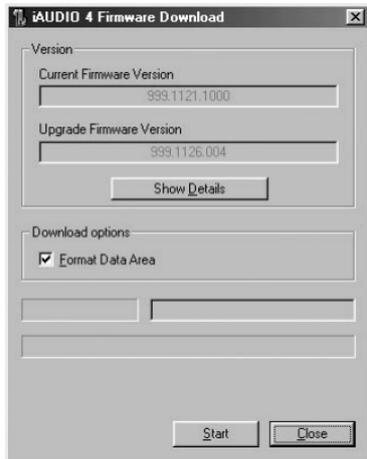
- ⑩ Depending on the case, a warning message "This folder already contains the file named '\*\*\*.'" may appear as shown below. In this case, replace and overwrite the existing files by copying or moving the file to the folder.



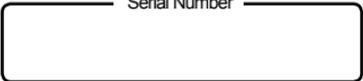
- ⑪ When the copying finishes, run the firmware upgrade program by selecting Start → Programs → COWON iAUDIO 4 → Firmware Download.



- ⑫ <Warning> When you check [Download Option] during firmware upgrade, all the data stored in the flash memory is deleted. Therefore, be sure to back up important MP3 files and data in 'iAUDIO 4' to your PC. Furthermore, never remove the USB cable during firmware upgrade, since it may cause system faults or other malfunctions.
- ⑬ When you click on the 'Start' button, the firmware upgrade starts.



Serial Number



<Note>

1. After purchasing iAUDIO, be sure to perform customer registration at iAUDIO.com.
2. This serial number is required for customer registration at iAUDIO.com.
3. It is also required for installing the JetShell program.
4. Take special care not to lose this serial number since it will not be reissued.

**COWON**  
SYSTEMS

- Address : COWON SYSTEMS, Inc., 7th Floor, STX Building, 448-2, Dogok-dong, Gangnam-gu, Seoul, Korea
- Customer Support Team : 080-668-8282 (Free Collect Call)
- A/S Center : Room No.23, 5th Floor, Tourist Terminal, 40-969, Hangangno 3-ga, Yongsan-gu, Seoul, Korea
- Homepage : COWON SYSTEMS - <http://www.cowon.com>  
iAUDIO User Community - <http://www.iAUDIO.com>