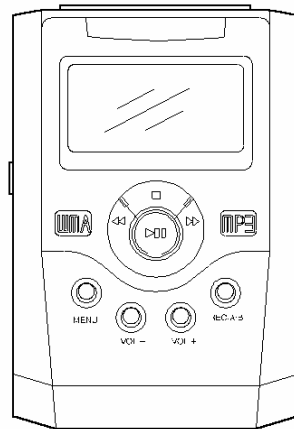# *PORTABLE*

EXTERNAL

STORAGE &

MUSIC JUKEBOX

User's Manual

Notice

This manual is protected by copyright law and all rights are reserved. No part of this manual may be reproduced or translated into other languages without written permission from the publisher.

The content of this manual is provided "as is" and the manufacturer is not under any obligation to notify users of revisions or modifications.

Other than the implied guaranty, there are no guarantees on the productivity or appropriateness of this manual.

Programs included with the device are under copyright protection. No part of these programs may be played or reproduced without written permission from the manufacturer.

All product names used in this document and device are the trademarks of their corresponding owner's trademark, service mark, or registered brand.

Safety & Check Points

Read this manual carefully before using the device.

Warning

1. DO NOT alter this device in any way. It may cause fire, injury, electric shock, or serious damage to this device or to the user.

2. Keep this device away from water. Water may cause fire, electric shock, or mechanical or electrical breakdown.

3. DO NOT leave this device in a car or other places where there is the possibly of high temperature. Keep it away from the direct rays of the sun or drastic temperature changes. Being exposed to high temperature may be harmful to the components in this device or possibly cause fire.

4. Use only the recommended battery charger. Other chargers may cause fire or product malfunction.

Caution

1. Avoid using this device in high temperature or high humidity locations. It may cause serious damage to the device.

2. Avoid dropping it from high places. It may cause malfunction or serious damage to the device.

3. DO NOT use any accessories other than the ones recommended by the manufacturer. The manufacturer IS NOT responsible for any malfunction or breakdown caused by the use of accessories.

4. DO NOT clean this device with alcohol or volatile detergent. It may cause fading of device surfaces.

5. DO NOT disassemble this device. In case of problems, contact the After Service (A/S) center.

Contents

1. Introduction

Thank you for purchasing our product. This product is a mass storage device that solves the capacity limitation problem of most existing MP3 players and provides features such as Playback, Encoding, and Tuner. The playback feature supports not only MP3 format, but also WMA format as well to allow you to enjoy various music files.

Moreover, the Setup mode provides various menus with which you can configure the device to suit your personal preference.

This product can be connected to your PC using a USB cable. Once connected to your PC, it is automatically recognized by your PC as a mass storage device. In addition, you can continue to enjoy the benefits of improved product performance through firmware upgrades.

You can obtain information about our company and our products on our Website. Visit our Website at www.xclef.com if you have any questions on our products.

You can also sign up to receive free information about our products and to receive customer support services.

This chapter shows the list of items included in the package.

Checking Package Contents

Check your package to make sure it has the following items:

- Main Unit
- User's Manual
- USB Cable
- AC Adapter/Charger
- USB Driver Installation CD (for Windows 98)
- Earphones
- Line-in Cable
- Carrying Case
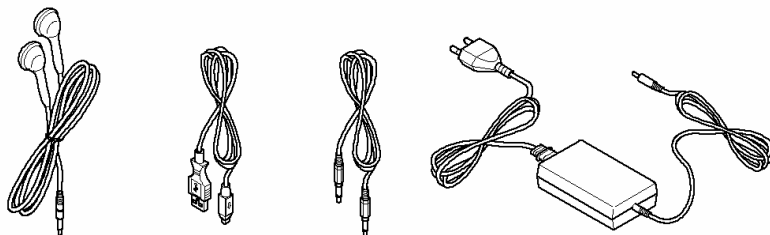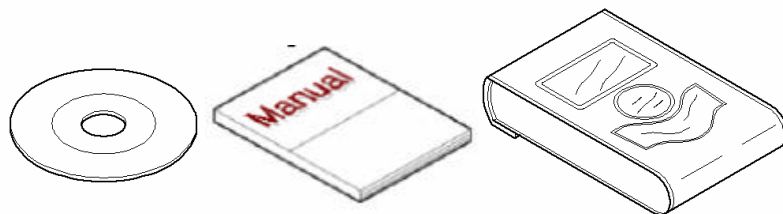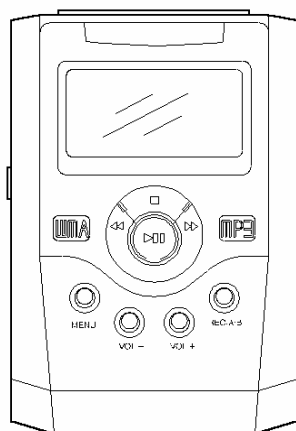
2. Product Overview

This product is a portable HDD Type MP3 Player that can be well compatible with your PC's file system. It features not only a portable hard disk of large capacity of 20GB but also160x105 full graphic LCD screen.

This product supports various languages, making it convenient to use anywhere you go.

This chapter describes the main features of the product and the names and functions of the parts of the product. With the information in this chapter, you will be able to use the product easily and effectively.

The topics of this chapter are as follows:

- Product Features
- Name of Each Part
- Functional Description of Each Part

Product Features

Mass Storage

This product uses mass storage that exceeds the capacity of most existing MP3 players and allows you to use it as a removable drive.

MP3 and WMA Playback

You can play MPEG1-Layer3 (MP3) files as well as Windows Media Audio (WMA) files.

10 Hours Use with Each Charge

You can enjoy up to 10 hours of music with just one battery charge.

Direct MP3 Encoding without a PC

You can encode music from audio CD player or music cassette player to MP3 file by connecting directly line-in cable of this device to earphone jack of CD player or cassette player without a PC.

FM Tuner and Recording

You can listen to FM radio by using Auto Scan or Preset function, and can record it. It also enables you to record voice memos using its Voice Recording feature.

Search Function

This product's user-friendly search feature allows you to easily search for the files you want.

You can search the music file that you want easily while you're listening to music by Search Function.

Text View

You can view text files which is stored in this device anytime, anywhere

Name of Each Part

The following illustration indicates the names and locations of each part of the product.

Earphones jack

Line- in jack

LCD screen

USB port

Jog key

Charger jack

Hold switch

Multi buttons

MENU button

REC button

Volume Down button

Volume Up button

Functional Description of Each Part

Line-in jack	Input audio signals from an external audio player for encoding into MP3 format.
Earphones jack	Connects earphone jack with this device
LCD screen	Shows information about the operational status of the unit.
USB port	Enables data exchange with your PC. Connects a USB cable to your PC and the device through this port.
Jog key	When pushed up or down: - Selects a file or folder. When pressed: - Runs the selected file. - Takes you to the selected folder.
Hold switch	Locks all buttons to prevent accidental activation. Slide the switch up to activate the Hold function and slide it down to deactivate it.
Multi buttons	**PLAY/PAUSE** ⏯	When selecting a file, Starts playback or, if playback is already started, pauses playback. It also functions as the power switch.
	STOP ⏹	When pressed briefly: - Stops playback and enters Browser mode. - Takes you back to the higher-level folder when in a subfolder of the higher-level folder When held down: - The unit will automatically power off when this button is held for about 3 seconds. - The unit will force power off when this button is held for longer than 10 seconds.
	REW ⏪	Use to select the previous file from the folder list. During playback, hold down the button to rewind the current song, or briefly press it to play the previous song.
	FF ⏩	Use to select the next file from the folder list. During playback, hold it down to fast forward the current song, or briefly press it to play the next song.
MENU button	Hold it down to switch modes, or briefly press it to return to Browser mode.

	If Tree View and Search View of the Display section are set to "Enable" in the Setup, briefly pressing the MENU button will toggle between Tree View and Search View.
Volume Down button	Turns the volume down on this unit.
Volume Up button	Turns the volume up on this unit.
REC button/A · B	FM/Line-In/Voice Encoding function/A≪ B Repeat function button

3. Preparation

This product uses an AC adapter for battery charging. The battery has to be charged first before using the device after purchasing.

The device comes with earphones. You can use the earphones to listen to various music and voice recording files. Also, an optional remote control is available for greater convenience.

This device supports multiple OS platforms, including Windows 98, ME, 2000, XP, and Mac OS. You can install a USB driver on your PC according to the OS you are using and connect this device to your PC.

The topics of this chapter are as follows:

- Charging the Battery
- Connecting Earphones/Line-in Cable
- Connecting to Your PC
- Installing the USB Driver

Charging the Battery

Connecting the Battery Charger

When using the device for the first time, be sure to charge the battery first. Charge the battery as follows:

1. Plug the AC adapter/charger into an AC outlet.
2. Plug the AC adapter/charger's barrel plug into the DC 3V jack on the left side of the device.
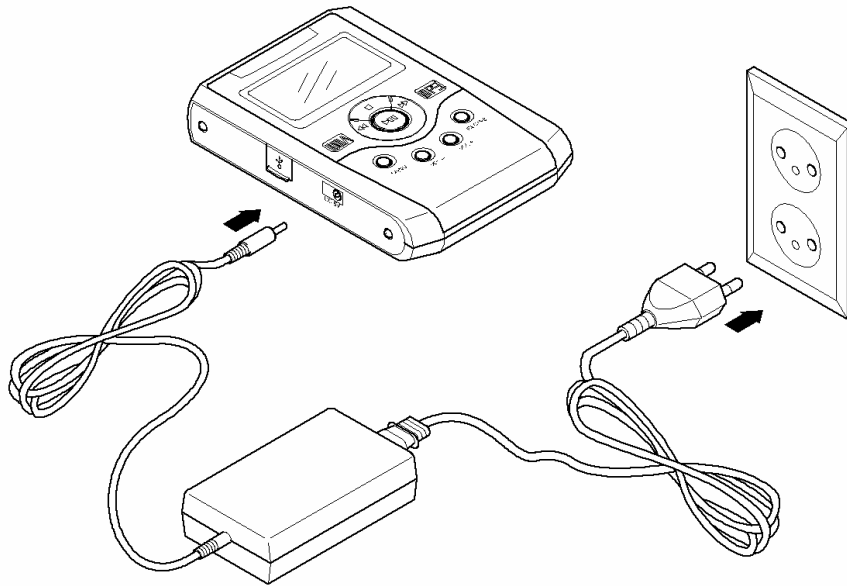
Caution

When charging the battery–after plugging the AC adapter/charger's barrel plug into the charger jack–you must press **Play/Pause** button. If the AC adapter/charger connection is correct, the following graphic appears on the LCD screen. During playback, the charging icon (⏴)should appear at the top.
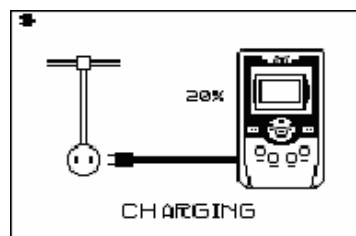
Battery Remaining Indicator

The battery remaining indicator displays the amount of power remaining using the following four symbols:

Full	When the battery level is above 70%
Middle	When the battery level is above 40%
Low	When the battery level is above 10%
Blank	When the battery level is below 10% (the indicator flashes at 1 second interval)

Connecting Earphones/Line-in Cable

You can use the earphones to listen to music files or voice recordings. You can use the line-in cable to connect an external audio player to the line-jack of this device for MP3 encoding.

The following illustration illustrates the earphones and line-in connections:

Earphones Connection

1. Plug the earphones into the earphone jack on this device.
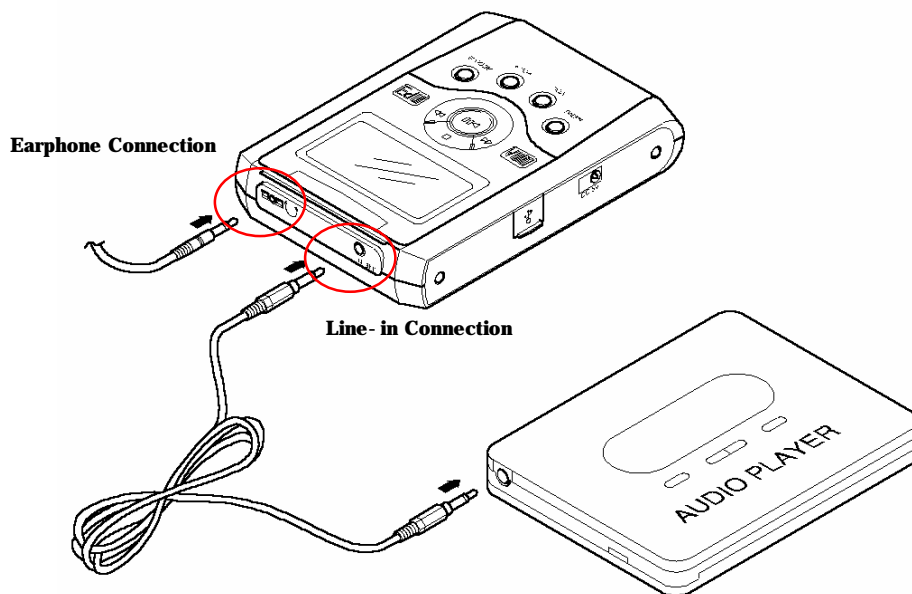
2. Make sure the earphones connector is completely inserted in the jack.
3. Play a music file to check for proper connection.

Line-in Connection

1. Plug one end of the line-in cable into the output terminal or the earphone jack of an external audio player.
2. Plug the other end into the line-in jack on this device.

Note

Refer to the section on Encoding mode for MP3 format encoding using the line-in connection.

Connecting to Your PC

You can use a USB cable to connect this device to your PC as a mass storage device and easily use its various features. You can upload or download files to and from your PC. For file uploading or downloading, this device must be connected to your PC via a USB cable. This device is USB 1.0, 1.1, and 2.0 compliant and reaches a maximum speed of 480Mbps for data transfer (However, you should not upload MP3 or WMA files that infringe on copyright law).

1. Connect one end of the USB cable to the USB port on the back of your PC.
2. Turn on the power to this device and connect the other end of the cable to the USB port of this device.
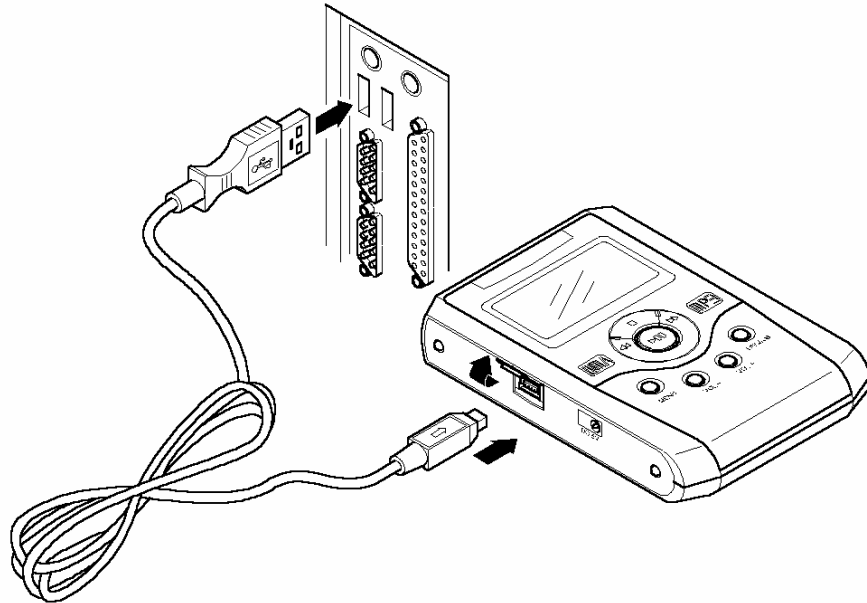
🖉
Caution

If you connect the USB cable to this device during playback, an error may occur. Be sure to connect the USB cable when the device is not playing.

Note

Please refer to **"Removing the Device"** (Page 18) when removing the USB cable.

The device turns off automatically when you disconnect the USB cable.

Installing the USB Driver

If you are running Windows ME, 2000, or XP on your PC, the installation will be performed automatically when you connect this device to your PC. However, on a PC running Windows 98, you will need to manually install the required USB driver. The installation procedure is as follows:

Automatic Installation

1. Connect one end of the USB cable to your PC.
2. Turn on power to this device and connect the other end of the cable to the USB port of this device.
3. Your PC automatically recognizes this device and the required USB driver is installed automatically.

Note

If the installation does not start automatically, restart your PC and repeat the procedure above.

Manual Installation

If your PC is running Windows 98, you will need to manually install the USB driver. Insert the supplied CD-ROM into the CD-ROM drive of your PC.

Connect the device to your PC. The Add New Hardware Wizard will appear. Follow the on-screen instructions selecting "Specify a location" and browse to the HD-500_driver_v_5.16 file on the CD-ROM. The manual installation procedure is as follows:

Add New Hardware Wizard

What do you want Windows to do?

- ◉ Search for the best driver for your device. (Recommended).
- ○ Display a list of all the drivers in a specific location, so you can select the driver you want.

[< Back] [Next >] [Cancel]

Add New Hardware Wizard

Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.

- ☐ Floppy disk drives
- ☐ CD-ROM drive
- ☐ Microsoft Windows Update
- ☑ Specify a location:

[Browse...]

[< Back] [Next >] [Cancel]

14

Browse for Folder

Select the folder that contains driver information (.INF file) for this device.

- ⊞ 📁 Download
- ⊞ 📁 Finish_Project
-    📁 **HD-500 drivers_V5.16**
- ⊞ 📁 Manual
-    📁 Movies
- ⊞ 📁 presentation_resource
-    📁 Psfonts
-    📁 Reference
- ⊞ 📁 Sse
-    📁 Temp
-    📁 Upgrade File
- ⊞ 📁 Work_mmcslee
-    📁 WUTemp

[OK] [Cancel]

Add New Hardware Wizard

Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.

☐ Floppy disk drives

☐ CD-ROM drive

☐ Microsoft Windows Update

☑ Specify a location:

G:\HD-500 drivers_V5.16

[Browse...]

[< Back] [Next >] [Cancel]

Add New Hardware Wizard

Windows driver file search for the device:

USB Storage Adapter V3 (TPP)

Windows is now ready to install the best driver for this device. Click Back to select a different driver, or click Next to continue.

Location of driver:

G:\HD-500~1.16\TPP300.INF

< Back   Next >   Cancel

Add New Hardware Wizard

USB Storage Adapter V3 (TPP)

Windows has finished installing the software that your new hardware device requires.

< Back   Finish   Cancel

16

Checking the Installation

Follow this procedure to determine if the required USB driver is installed properly. Right-click on **My Computer** and click **Properties**. On Windows 2000, select the **Hardware** tab and click the **Device Manager** button. On Windows 98, select the **Device Manager** tab. The Device Manager dialog box will open.
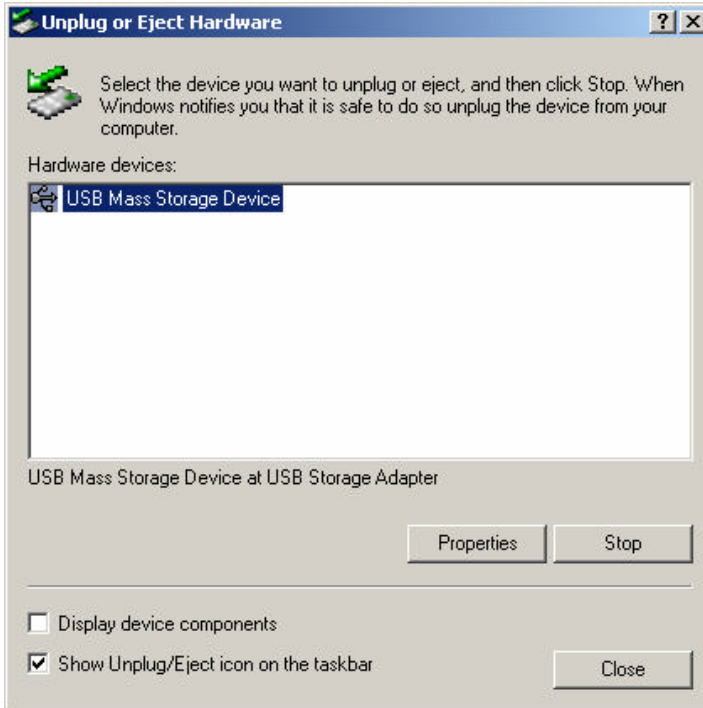
If the required USB driver is installed correctly, it will be indicated as shown below:
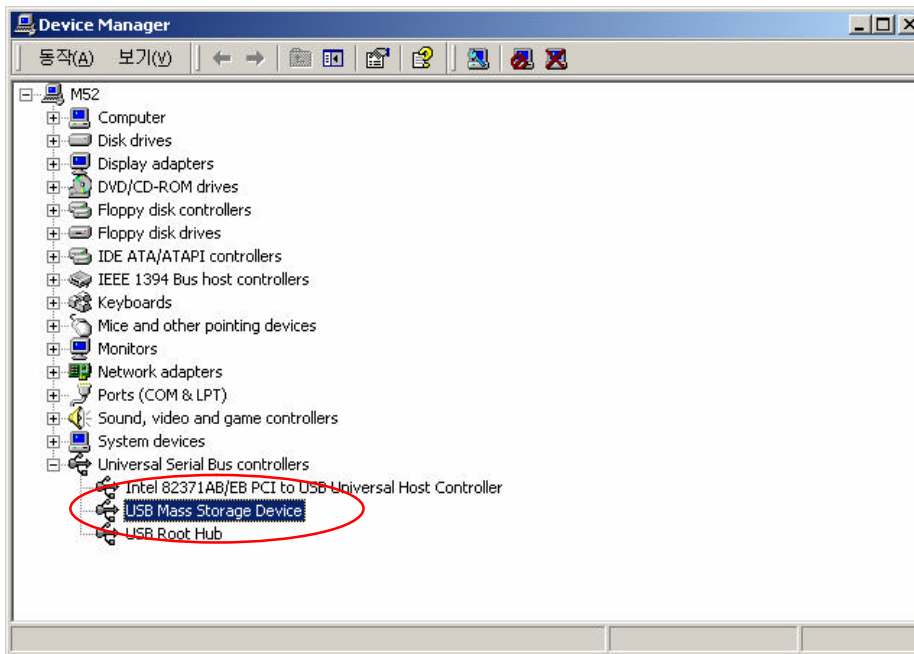
And a new icon ( ) appears in the System Tray.

Removing the Device

Double-click on in the System Tray to bring up the following window:

Click "Stop". When the "Safe to Remove Hardware" dialog box appears, click "OK." Be sure to remove the USB cable only after you have cleared the dialog box by clicking "OK".

Caution
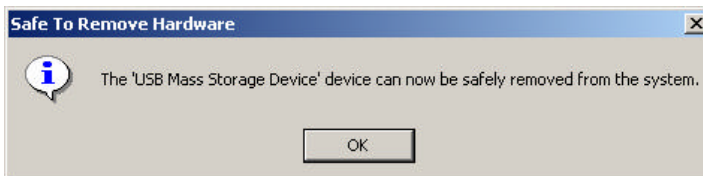
1. When performing a save or delete operation by connecting the device to your PC, be sure not to remove the USB cable before such operation is complete as you will lose data.

Also, even if a task may appear to be complete, there might be certain operations still going on internally. So remove the USB cable only after you have confirmed the completion of the task.

2. Both uploading and downloading to/from this product consume a vast amount of power. Discharging batteries may cause data damage in which case, you should use the product connected to the charger.

18

4. Basic Operation

This device provides various features.

This device is a mass storage device that allows you to listen to various music files in WMA format as well as your favorite radio programs.

In addition, it shows information about the operational status of this device on the large LCD screen for ease of operation.

This chapter describes the basic operation of the device.

The topics of this chapter are as follows:

- Turning Power on
- Turning Power off
- Initial Screen
- LCD Screen Indicators
- Major Modes

Turning Power on

Press the **Play/Pause** button. Power turns on and the initial screen appears on the LCD. Then, the device enters Browser mode and the root folder appears on the LCD.

Note

When using the device for the first time, there are no subfolders under the root folder. Connect the device to your PC and create new folders from your PC.

Turning Power off

Hold the **Stop** button for 2-3 seconds. The following message appears on the LCD screen and power turns off.
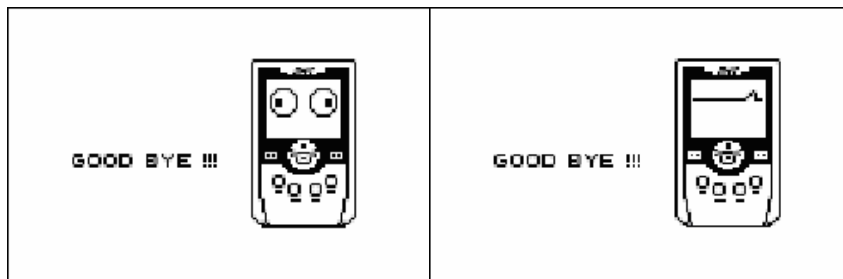
Initial Screen

The following initial screen appears when the device is powered on:

After the initial screen disappears, the device will be in Browser mode. If the AUTOPLAY function in the MUSIC-OPTION of the SET mode is set to "ON", the device will be in the last mode it was in before power-off. At this time, the folders in the device are displayed. When using the device for the first time, there are no subfolders under the root folder. You can connect the device to your PC to create new folders.

There are a few folders provided by default. Each of these folders is used for a different purpose:

Type		Description
Root	**USER AREA**	User-created folder.
	PLAYLIST	Folder in which Winamp playlist files (.m3u) and bookmark files (.bmk) created with this device are stored.
	ENCODE	Folder in which FM radio recordings and files encoded using the line-in jack are stored.
	VOICE RECORD	Folder in which voice files recorded using the internal microphone are stored.
	TEXT FILE	Folder for text files (.txt).
	SYSTEM (Hidden)	Folder for the system files.
	FIRMWARE	Folder for firmware updates (HD500xxxx.BIN) (Hidden folders: Appear on the screen of this device only when connected to USB)

LCD Screen Indicators

Various icons are used to indicate the settings and status of the device. The following illustration and table describes the meaning of each icon:
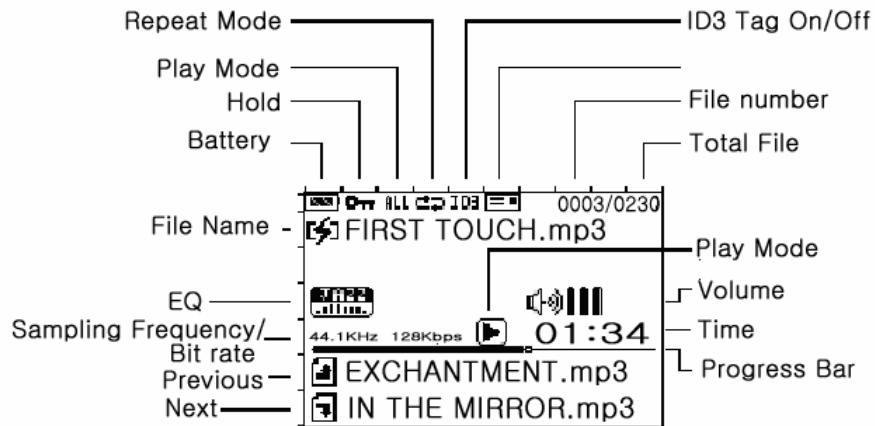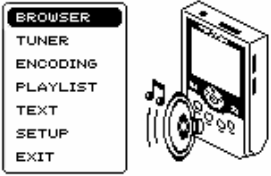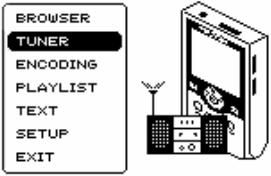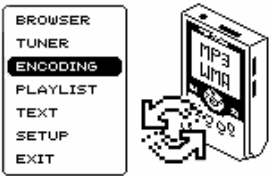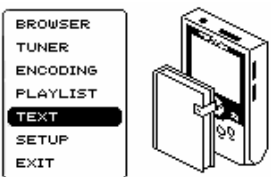
Icon	Description
	Battery remaining indicator: Indicates the amount of power remaining in the battery. ().
	Lock indicator (indicates that the Hold function is activated)
All	Repeat mode indicator (**All**, , **DIR**, **SDIR**)
	Play mode indicator (, , **RND, INT**)
ID3	ID3 Tag ON/OFF indicator
A? B	A-B Repeat indicator
0003/0200	Current song number/Total number of songs
D0003/F0010	Total number of subfolders under the current folder/Total number of files in the current folder
	File format of the current file. Icons representing various file formats are as follows: (**MP3:** , **WMA:** , **M3U:** , **BMK:** , **Text:**)
All for You	Name of current file
EQ	EQ indicator (Normal, Rock, Classic, Jazz, Ultra Bass or User) (, , , , ,)

44.1 KHz **128Kbps**	Sampling frequency/Bit rate indicator
▶❙❙	Action icon indicator (▶▶ , ◀◀ , ▶❙❙ , ▶ , ●)
◁❙❙❙❙❙▯	Volume indicator (appears different depending on volume level) (◁ Mute , ◁❙ , ◁❙ , ◁❙❙❙ , ◁❙❙❙❙ , ◁❙❙❙❙❙▯ , ◁❙❙❙❙❙❙)
XX:YY:ZZ	Elapsed time indicator (e.g. 01:22:15)
▣	Previous song indicator
▤	Next song indicator

Major Modes

This device provides 6 major modes. Press and hold the MENU button and then select the desired mode.

Mode	Description
Browser	This mode is for playing MP3 or WMA files. It shows the music files stored on the device.
Tuner	This mode is for listening to radio. You can tune in an FM station as your choice.
Encoding	This mode allows you to receive audio signals from an external audio player through the line-in jack and encode them in MP3 format. It also allows you to make voice recordings.
PlayList	This mode displays albums containing M3U and BMK files and allows you to run them.
Text	This mode displays the folder containing text files and allows you to read the content of a text file.

BROWSER TUNER ENCODING PLAYLIST TEXT **SETUP** EXIT Setup	This mode allows you to make configuration changes to the device.
BROWSER TUNER ENCODING PLAYLIST TEXT SETUP **EXIT** Exit	Back to Browser mode.

1. Browser Mode

In this mode, you can play the selected music file. Regardless of the mode the device is in, press and hold the MENU button. Next, use the **Jog** key to select "Browser" to enter the Browser mode. A list of all music file folders appears on the screen.

When using the device for the first time, there are no folders. You can create new folders by connecting the device to your PC. Create new folders in the same way you would normally create them on your PC a PC.
(Right-click a blank area of your desktop ? Click **New** ? Click **Folder**)

Playback

?   Use the **Forward** button, **Rewind** button or **Jog** key to select the folder you want and then press the **Play/Pause** button.
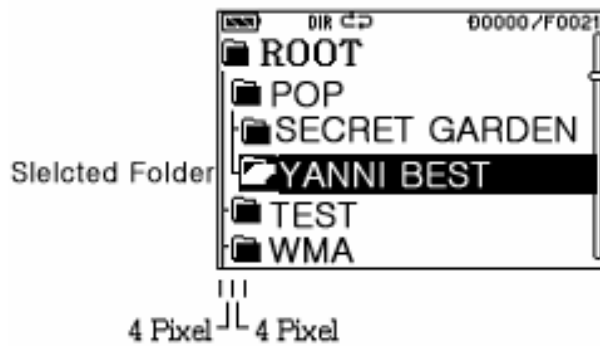
?   A list of MP3 files contained in the folder appears. Use the **Forward** button, **Rewind** button or **Jog** key to select the desired file and then press **Play/Pause**.

?   The selected file is played and various icons appear on the LCD screen to indicate the operational status of the device. The current file, previous file, and next file are displayed also.

26
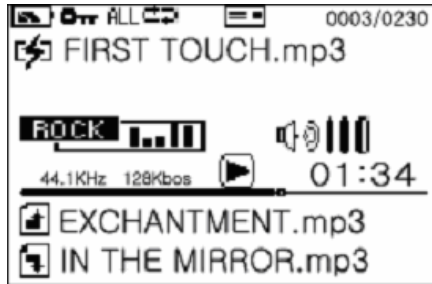
Note

To stop playback and to move to an upper-level folder, press the **Stop** button.

Pause

During playback, briefly press the **Play/Pause** button to pause playback. Briefly press the **Play/Pause** button again to resume playback.

Fast Forward

During playback, press and hold the **Forward** button to fast forward through the current song. Release the button to resume playback.

During playback or pause, briefly press the **Forward** button to play the next song.

Each time the button is pressed, the next song is played.

Rewind

During playback, press and hold the **Rewind** button to rewind through the current song. Release the button to resume playback.

During playback or pause, briefly press the **Rewind** button to play the previous song. Each time the button is pressed, the previous song is played.

Note

If you briefly press the **Rewind** button in the first 5 seconds of playback, the previous song is played. Otherwise, the beginning of the current song is played. After 5 seconds into playback, to listen to the previous song, briefly press the **Rewind** button twice.

Viewing Popup Menu during Playback

Pressing and holding the **Jog** key during playback displays the MUSIC popup menu.

1. During playback, press and hold the **Jog** key to display the MUSIC popup menu window in the center of the screen.

```
┌─────────────────────────────┐
│  MUSIC POPUP                │
│                             │
│     User    EQ              │
│     EQ                      │
│     Play Mode               │
│     Repeat                  │
│     Time Display            │
│     Book Mark               │
│     Exit                    │
│                             │
└─────────────────────────────┘
```
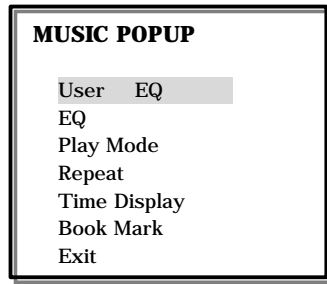
2. Each menu has sub-menus. You can use the popup menu to configure the settings related to music. Use the **Forward** button, **Rewind** button or **Jog** key to navigate the menus and press the **Play/Pause** button or **Jog** key after selecting a menu.

3. To make the popup menu window disappear, briefly press the MENU button or select **Exit** from the popup menu and press the **Jog** key.

Note

Refer to Chapter 5 for details on how to set the MUSIC popup menu.

Adjusting the Volume

Use the Volume buttons to adjust the volume level.

Press the Volume Down (-) button to decrease the volume level and press the Volume Up (+) button to increase the volume level. The volume level can be adjusted between 0 and 20. Pressing and holding either button will continuously increase or decrease the volume level.

Different icons will appear depending on the volume level.

🔇 Mute , 🔊▌ , 🔊▌▌ , 🔊▌▌▯ , 🔊▌▌▌▯ , 🔊▌▌▌▌ , 🔊▌▌▌▌▯, 🔊▌▌▌▌▯, 🔊▌▌▌▌▌

2. Tuner Mode

This mode allows you to listen to radio stations. Press and hold the MENU button. Then, select "Tuner."

You can use the Preset feature to store the frequencies of your favorite radio stations. You can store up to 20 of those stations in order.

Listening to Radio

Tuning in to a Preset Station

1.   Switch to Tuner mode.
2.   Push the **Jog** key up or down to select the Preset station number.

Tuning in to a Desired Station

1.   In Tuner mode, briefly press the **Forward** or **Rewind** button to tune it to a higher frequency or lower frequency.
2.   For automatic tuning, use the Auto Scan function. Press and hold the **Forward** or **Rewind** button to begin automatic tuning.
3.   In order to listen preset frequency, use the **Jog** button.

Presetting Stations

1. In Tuner mode, use the **Forward** or **Rewind** button to find the desired station.

2. Press and hold the **Jog** key. The FM TUNER popup menu window appears:

```
┌─────────────────────────────┐
│  FM TUNER POPUP             │
│                             │
│  Enc  Bitrate               │
│  Tuner Mode                 │
│  Freq. Save                 │
│  Exit                       │
└─────────────────────────────┘
```
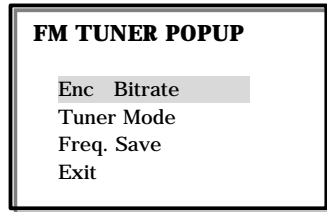
3. Select **Freq. Save** and press the **Play/Pause** button or **Jog** key.

4. Select the desired preset number from 20 preset numbers, and then press the **Play/Pause** button or **Jog** key to complete the setting.

Viewing Popup Menu During Playback

In Tuner mode, press and hold the **Jog** key to display the FM TUNER popup menu window.
Refer to Chapter 5 for setting the popup menu.

Recording While Listening to Radio

1. In Tuner mode, press and hold the **Rec** button.

2. Press the button again to pause recording and press the **Play/Pause** button to resume recording.

3. To stop recording, press the **Stop** button.

3. Encoding Mode

Encoding

This mode allows you to receive audio signals from an external audio player through the line-in jack and encode them into MP3 format.

1. Connect one end of the line-in cable to the earphone jack or output terminal of your audio player and connect the other end to the line-in jack on this device.
2. While playing the track you want to convert into an MP3 file from your audio player, press the **Rec** button.
3. The recording time and the remaining time appear on screen. If the **Rec** button is pressed again, recording will pause.
4. When Encoding is finished, press the **Stop** button to put the device in **Wait**. Press the **Stop** button again to save the encoded file in the ENCODE folder.
5. The screen will now show the contents of the folder.
6. Press the **Play/Pause** button to play the file.

Voice Recording

This feature enables you to record voice memos.

You use the built-in microphone to record a voice memo.

The procedure for recording a voice memo is the same as that of MP3 format encoding, except for the line-in connection.

1. While the device is not playing, press and hold the **Rec** button to start the voice recording.
2. Press and hold the **Rec** button.
3. To stop recording, press the **Stop** button. The device will be set to **Wait**. Press the **Stop** button again to save the file to the **VOICE RECORD** folder.
4. The screen shows inside of Voice Record folder
5. Press the **Play/Pause** button to play the file.

4. PlayList Mode

A folder containing the albums of M3U and BMK files appears on screen. You can store MP3 and WMA files in an album for BMK files. You can use M3U or BMK albums to place the selected songs into an album. The device provides 10 BMK albums by default.

1. Press and hold the MENU button.
2. Select PlayList mode and press the **Play/Pause** button.
3. The PlayList folder appears together with the albums contained in it.
4. Select the desired album and press the **Play/Pause** button to list the files contained in the album.
5. Press and hold the **Jog** key to display the PlayList popup menu.

```
Delete

  OK
  Cancel
  Exit
```
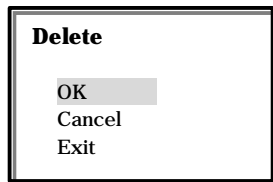
6. You can erase files which you don't want from the album. The erased files are not actually deleted, but only removed from the album.

Note

The album list erase process of steps 5 and 6 will be applied only to BMK albums and M3U albums cannot be erased.

5. Text Mode

The folder containing text files appears. You can view the contents of a text file using this device.

1. Press and hold the MENU button.
2. Select Text mode and press the **Play/Pause** button.
3. The Text folder appears together with a list of stored text files.
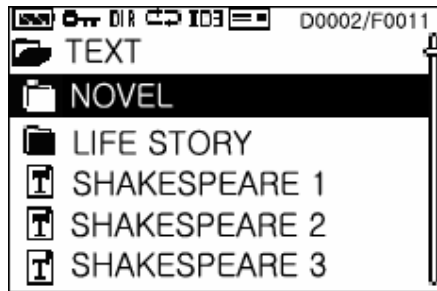
4. Select the desired text file and press the **Play/Pause** button to display the contents of the file. If there are too many files to be displayed on one screen, a scroll bar will appear. Use the **Jog** key to locate the file.
5. Press the **Forward/Rewind** button to move to the previous or next text file.
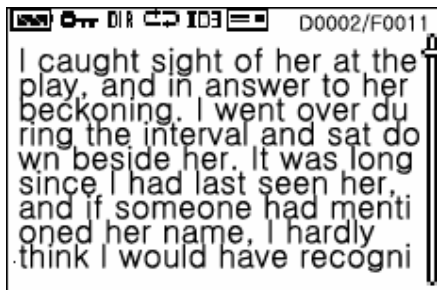
Note – How to store a text file on the device

Use the USB cable to connect the device to your PC. Store the text file in the TEXT FILE folder of a new window that appears.

6. Setup Mode

This mode is used to configure the device.

The setup mode consists of 5 tabs and each tab provides options for configuring the device.

1. Press and hold the MENU button.

2. Select Setup mode and press the **Play/Pause** button.

3. Setup mode tabs and options will be displayed as shown below:

```
[OTHER-OPTION] MUSIC-OPTION]
DISPLAY SYSTEM  E X I T

Language
ID3 Tag
Time Display
Tree View
Search View
Scoroll Speed
Exit
```

4. Use the **Forward** button, **Rewind** button or **Jog** key to select the desired tab. Tab menus in this mode are as follows:

```
[DISPLAY] SYSTEM]  E X I T
OTHER-OPTION MUSIC-OPTION

Timer Mode
Timer Area
Line In
Enc Bitrate
Rec Bitrate
Fade In
Exit
```
,
```
[DISPLAY] SYSTEM]  E X I T
OTHER-OPTION MUSIC-OPTION

User EQ
EQ
Auto Play
Resume
Play Mode
Repeat
Intro Position
Exit
```
,
```
[OTHER-OPTION] MUSIC-OPTION]
DISPLAY SYSTEM  E X I T

Contrast
EL
System Info.
Sleep Timer
Auto PowerOff
System Initial
Exit
```
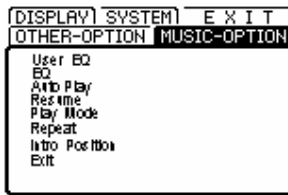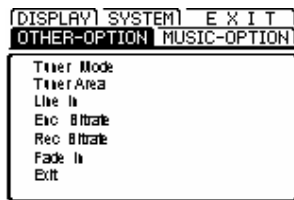
5. Select a tab and press the **Play/Pause** button to be able to change the settings. Press the **Play/Pause** button again to change the settings. You can change the settings for each menu.

6. When the settings are complete, select **Exit** or press the **Stop** button. To exit Setup mode, select **Exit**, or press the **Stop** button.

Tree View

In the Display menu, set Tree View to "Enable" to see a tree view of the directories in root.
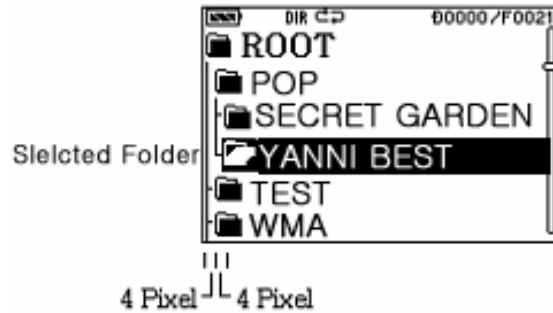
Use the **Forward**/**Rewind** button or push the **Jog** key up or down to navigate through menu items. When enabling Search view in Setup, press briefly the MENU button to enter Search mode or press and hold the MENU button to switch modes.

Refer to Chapter 5 for setting the popup menu.

Search View

In the Display menu, set Search View to "Enable" to use the search function. Enter up to 3 characters to search for the desired file.
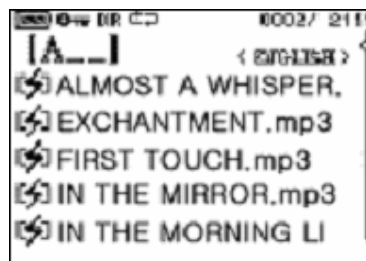
Push the **Jog** key up or down to select the characters to enter. To change the position of a character, use **Forward/ Rewind**. Alternatively, press the **Stop** button to position the cursor at the last character.

7. Exit Mode

You will exit the setting mode. Once you have exited, the screen switches to Browser mode and folders will appear.

5. Advanced Operation

This device provides various options, such as Repeat, Play Mode Control, and EL Mode Control; EQ settings for different types of music; and A-B Repeat function.

File management can be done from this device or from your PC, which is a great convenience. You use a USB cable to connect this device to your PC and use the device as an external hard disk drive.

These options and its file management and expansion capabilities enable you to use the device to suit your personal taste.

The topics of this chapter are as follows:
- Using Options
- A-B Repeat Play
- Managing Files
- Upgrading Firmware

Using Options

You can use various options provided in Setup mode so that you can use this device to suit your personal taste.

The following options are provided in Setup mode:

DISPLAY

Language	ENGLISH, KOREAN, JAPANESE, CHINESE	Supports English, Korean, Japanese, and Chinese.
	Exit	Exits from the Language menu.
ID3 Tag	ON/OFF	If set to ON, the ID3 information such as album and name of the artist(s) will be displayed. If set to OFF, they will not be displayed. Instead, the current, previous, and next file name will be displayed.
Time Display	Normal	Displays the play time in normal order.
	Reverse	Displays the play time in reverse order.
	Exit	Exits from the Time Display menu.
Tree View	Disable	Disables the display of Tree View Browser.
	Enable	Displays Tree View Browser as Menu Key.
	Exit	Exits from the Tree View menu.
Search View	Disable	Disables the display of Search View Browser.
	Enable	Displays Search View Browser as Menu Key.
	Exit	Exits from the Search View menu.
Scroll Speed	1, 2, 4, 6, 16 Pixel	Sets the pixel value of the scroll speed to 1, 2, 4, 8, or 16.
	Exit	Exits from the Scroll Speed menu.
Exit		Exits from the Display menu.

SYSTEM

Contrast	Contrast	Adjusts the LCD's contrast level (between 0 and 10).
	Exit	Exits from the Contrast menu.
EL	Off (1, 3, 5, 10 Sec)	Turns the backlight off, except for the time set here.
	On	Turns the backlight On at all times.
System Info.		Displays the system information of this unit.
Sleep Timer	Off	Sleep Timer is not set.
	10, 30, 60, 90, 120 Min	Sets the unit to shut itself off after the designated time has elapsed. Sleep Timer can be set to 10, 30, 60, 90, or 120 minutes.
	Exit	Exits from the Sleep Timer menu.
Auto Power Off	Off	Auto Power-Off is not set.
	10, 30, 60, 100 Sec	Sets the unit to shut itself off if the unit is not in use for 10, 30, 60, or 100 seconds.
	Exit	Exits from the Auto Power-Off menu.
System Initial	OK	Initializes this unit.
	Exit	Exits from the System Initial menu.
Exit		Exits from the System menu.

MUSIC-OPTION

User EQ	60Hz, 250Hz, 1KHz, 4KHz, 12KHz	Allows user to customize the EQ setting. Can be set between 0 to 15 dB for each frequency.
	Exit	Exits from the User EQ menu.
EQ	Normal	For most of music
	Rock	For rock music
	Classic	For classical music
	Jazz	For jazz music
	Ultra Bass	
	User	User-customized setting
Auto Play	Off	Disables the Auto Play function. The unit directly enters the Browser mode when it is powered on.
	On	The last position within the last song is played according to the Resume setting when the unit is powered on.
	Exit	Exits from the Auto Play menu.
Resume	Song	During Auto Play (On), the song that was played the last time is played.
	Real	During Auto Play (On), the song that was played the last time is played.
	Exit	Exits from the Resume menu.
Play Mode	Normal	Sequentially plays songs on this device and stops after the last song.
	Shuffle	Randomly plays songs and stops after all songs have been played once.
	Auto Rewind	Sequentially plays songs and when the last song is played the process is started again from the first song.
	Exit	Exits from the Play Mode menu.
Repeat	All	Repeatedly plays all songs on this device.
	Single	Repeatedly plays a single song.
	Directory	Repeatedly plays all songs in the folder to which the current song belongs.

	Subdirectory	Repeatedly plays all songs in the folder to which the current song belongs as well as all the songs in all the subfolders under that folder.
	Exit	Exits from the Repeat menu.
Intro Position	Normal	Plays first 10 seconds of a song.
	10/30/50 Sec	Plays a song at the 10 second, 30 second, and 50 second position for 10 seconds.
	Exit	Exits from the Intro Position menu.
Exit		Exits from the Music-Option menu.

OTHER-OPTION

Tuner Mode	Stereo	Receives FM broadcast in Stereo Mode.
	Mono	Receives FM broadcast in Mono Mode.
	Exit	Exits from the Tuner Mode menu.
Tuner Area	Default	To listen to the radio in the default frequency area.
	Japan	To listen to the radio in Japan.
	Exit	Exits from the Tuner Mode menu.
Line In	Analog	Sets line input signal type to Analog.
	Digital (Optical)	Sets line input signal type to Digital.
	Exit	Exits from the Line In menu.
Enc Bitrate	32, 64, 128, 256, 320Kbps	Sets bit rate to 32, 64, 128, 256, 320 Kbps for encoding.
	Exit	Exits from the Enc Bitrate menu.
Rec Bitrate	32, 48, 64, 96, 128Kbps	Sets bit rate to 32, 48, 64, 96, 128 Kbps for voice recording.
	Exit	Exits from the Rec Bitrate menu.
Fade In	Off	Plays according to the specified volume level during Auto Play (On).
	On	Gradually increases the volume level of the first song during Auto Play (On).
	Exit	Exits from the Fade menu.
Exit		Exits from the Other-Option menu.

A-B Repeat Play

This feature allows you to repeatedly play a specific section of a file, making the device an effective tool for language learning.

1. During playback, briefly press the **Rec** button at the start point of the A-B section you want to repeat.
2. "A" is displayed on the LCD screen. Press the **Rec** button again at the end point of the A-B section.
3. "A？B" appears on the LCD screen and repeat playback of the A-B section starts.
4. To cancel A-B Repeat, press the **Rec** button again. "A？B" disappears from the LCD screen.

Note

Set the end point (B) when longer than 3 seconds have passed since the start point (A) was set.

Managing Files

You can perform file management by connecting the device to your PC using a USB cable. In order to manage files from your PC, the device must be connected to your PC. Once the device is connected to your PC, the PC recognizes the device as a new drive after approximately 10 seconds. This device will be indicated as a local hard disk as shown below:
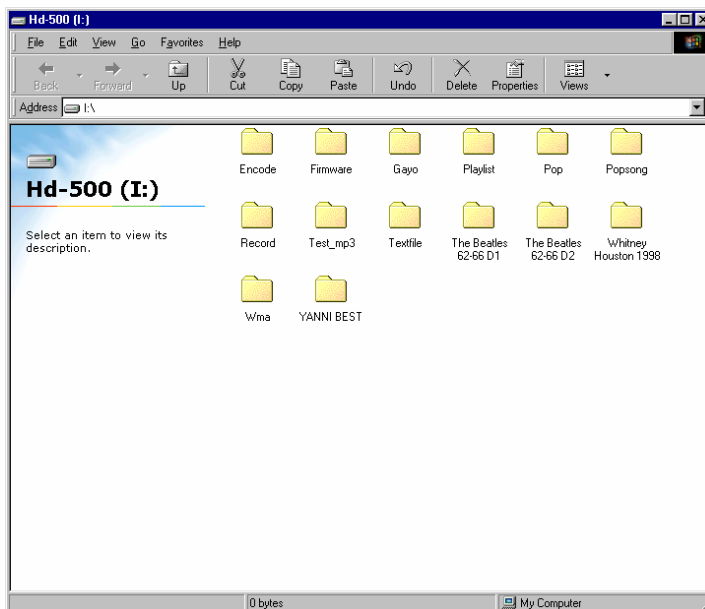
You can listen to music files or view text files if you copy music files or text files to this device using Explorer. However, note that when you save files to this device, the folders to which the files will be stored may vary depending on the file format. You can create a new folder and store music files to that folder or directly store them to this device, but text files must be stored in the TEXT FILE folder. Store albums such as M3U in the PLAYLIST folder.

Upgrading Firmware

You can continue to enjoy the benefits of improved product performance through firmware upgrades. The following is the procedure for upgrading the firmware on the device:

1. You can download the new firmware upgrade from our Website.
2. Use the USB cable to connect the device to your PC. Once the connection is made, appears in the System Tray.
3. In about 10 seconds, the device will be detected by your PC as a new drive and appears in "**My Computer.**"
4. Drag the new firmware downloaded to the FIRMWARE folder on the device.

6. Specifications

The specifications of this unit are as follows:

Specifications	
File System	FAT 32
Hard Disk Capacity	6G, 10G, 20G, 40GB(Up to 137GB)
Hard Disk Type	2.5", Low Power HDD, ATA I/F
Supported OS Platforms	Windows 98, ME, 2000, XP, MAC
PC Interface	USB 1.0/1.1/2.0, Mass Storage Device
MP3 Support	MPEG 1/2/2.5 LAYER 3 Playback
MP3 Support Bit Rate	8Kbps~320Kbps&VBR (Variable Bit Rate)
Sampling Frequency	8~48KHz
WMA Support	WMA Playback (5Kbps~192Kbps)
Voice Recording Support	User Selectable (128/64/32Kbps)
FM	FM Tuner (20 Preset)
Recording Format	MP3 Encoding: High/Middle/Low (320/256/128/64/32) Voice Recording: High/Middle/Low (128/96/64/48/32)
EQ	Basic: Normal, Rock, Classic, Jazz and Ultra-Bass User Defined EQ: 5 Bands
ID3 TAG	ID3 Tag support (Ver 1.0/1.1/2.0 support)
Supported Languages	Korean, Japanese, Chinese, Russian, and English
Firmware Upgrade	Firmware Upgradeable via USB
Playback Mode	Single, Directory, All, AB Repeat, Shuffle, Intro
Music Management	Play List (M3U), Bookmark, Search, Tree View
User Interface	Text View, User's Logo Display (Logo.BMP)
Playback Time	Up to 10 hours
Multi-Line Graphic LCD	160 x 105, W/B LCD, EL Backlight
S/N Ratio	>90dB
THD	<0.01%
Audio Input	Line-In, Built-In microphone
Digital Input	S/PDIF (IEC958)
Audio Output	Headphone Out

Earphone Out	10mW + 10mW
Dimension	129(H) * 81(W) * 22(D) (mm)
Power	Battery: 3.7V, 2000mAh, Lithium-Ion Rechargeable 1EA Adapter: 100~240 AC to 5V DC (SMPS)
Accessories	Earphones, USB-PC Cable, Install CD, Adapter, Manual Optional: Optical Cable, Remote Control

7. Troubleshooting

If you are having problems with this unit, refer to the table below for possible solutions:

Problem	Solution
Power cannot be turned on.	Check the charge on the battery. The battery may not be capable of operating at temperatures below freezing. The temperature needs to be brought above freezing for charging.
Buttons do not work.	Check if the Hold function is activated. If so, deactivate the Hold function.
No sound or poor sound quality.	Check if the device is working properly. Make sure that the music files on this device are in the correct format and are not corrupt. Incorrectly converted or corrupt MP3 files may produce low-frequency noise or may not play normally.
Problems in PC connection or file transfer.	Check whether the power to the Player is turned on. Check whether the USB cable is connected correctly. After file copy, remove the USB cable. If the PC does not respond for several seconds, wait until file copying is finished. In the case of audio files, copying is limited due to copyright protection. Check whether the USB driver works correctly from the Device Manager.

8. Product Guarantee

The following are the specifics of the guarantee:

1. The device is manufactured under strict quality control and testing.

2. If there is any malfunction caused by a manufacturing defect, we will repair it free of charge within 1 year of purchase.

3. If the service we provide is not applicable to the free of charge service, we will bill you at the prescribed service fare.

4. When you request repair, please being this guarantee.

5. We will not re-issue this guarantee so you must store this guarantee.

6. The following are cost-based repair cases:

1) Poor performance or disorder occurs after the guarantee period

2) Malfunction or damage caused by user carelessness

(When you use it in a way other than described in the User's Manual)

3) When the malfunction is caused by other than the device itself

4) If the device is modified or damaged by repairs occurring at other than the designated service center.

5) Damage incurred due to a natural disaster

9. FCC Notice

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC FULES.

OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND

(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED,

INCLUDING INTERFERENCE THAT MAY CAUSE UNDERSIRED OPERATION.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Plug the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult a dealer with an experienced radio/TV technician for help.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.