

Information to the user

NOTE: 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 communications. 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.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION : Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

1. Product Composition

The accessories may look different from the image shown here and subject to change without prior notice.

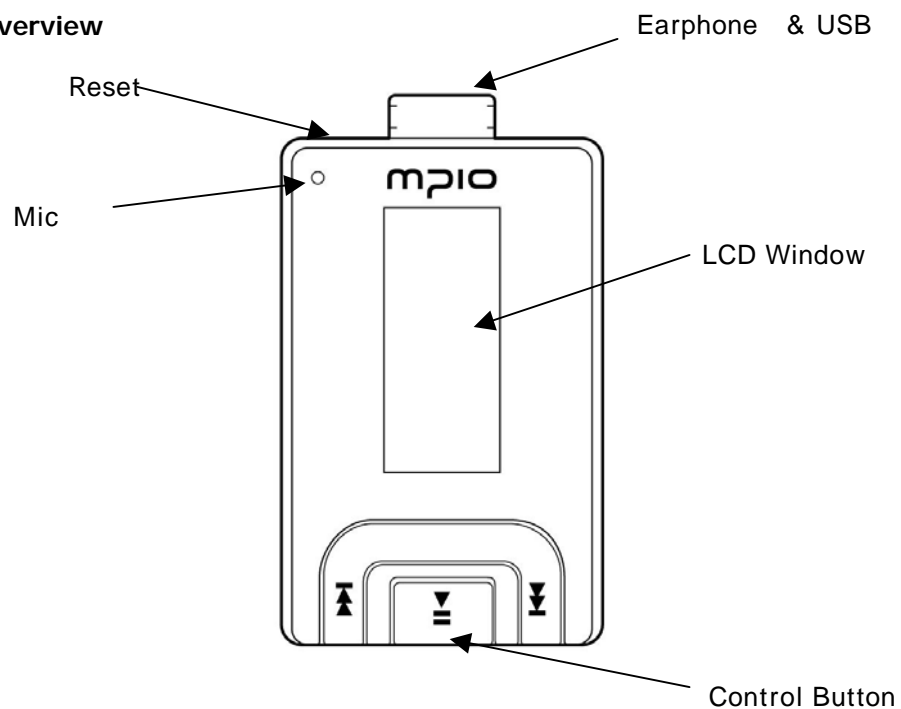
Main Composition

FL400, Earphones, Mini USB, USB Extension Cable, Clip, Manual (or Quick Start Guide), CD, Warranty Card

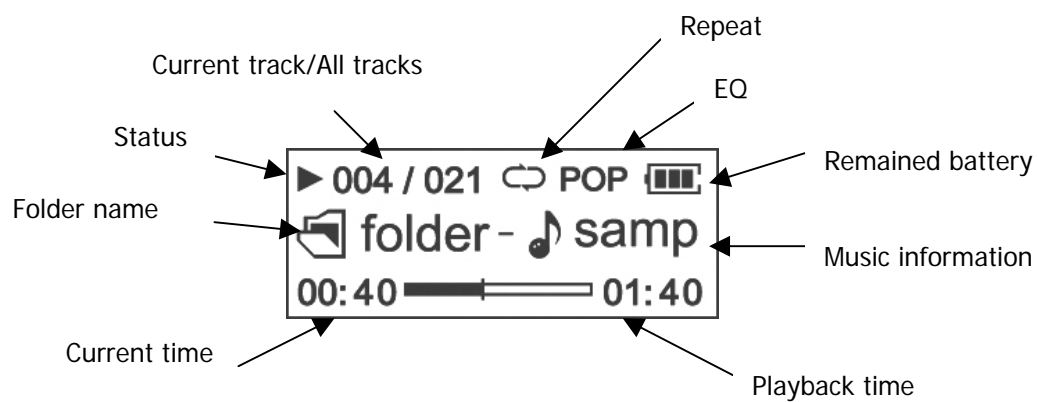
Optional Accessories

Necklace, Arm-Band, Case

2. Control's Overview



3. Information during playback on LCD



2. Before you Use

2.1 Connecting to the PC

Connect the player to the PC USB port using the USB cable.

! If you use Windows 98/98SE, you should install Windows 98 driver first before connecting the player to the PC.

* Windows ME, Windows 2000, and Windows XP operating system supports USB 2.0 or 1.1 storage device by default. Therefore, the player will be automatically recognized as a moveable disc without installing the driver. Once connected, you can use the player right away.

2.2 Saving music and data file

!!! Illegal download or duplication of MP3 files protected by the copyright is prohibited by law. This product bears any responsibility on the issues related with the copyright.

* Using as a removeable disc

Connect the player to the PC using the USB cable.

Check the "USB Connected" message on the product LCD window.

Open the Windows Explorer in your PC.

Your computer will recognize FL400 as a removeable disc.

(You can check it in My Computer.)

You can save/delete the data, or create a folder using the same method as you handle the computer hard disk.

(Save the data using or method as described below.)

Copy and paste:

Select the data to save and click the right mouse button. Then, select the Copy menu and paste the data in a moveable disc.

Drag and drop:

Select the data to save and drag it while holding down the left mouse button, and release the button on the moveable disc that was automatically recognized.

Then, the selected data will be saved in a moveable disc.

2.3 Disconnecting the Player from the PC

It is important to follow this procedure to disconnect the USB cable from your player and the PC. If you don't, you risk losing files as they are transferring to your player.

1. Click the **USB icon** on the Windows taskbar usually located at the bottom right of the desktop.



2. From the popup menu, select the **Stop** command.
3. After a notification message displays, you may disconnect the cable from the player.

Windows 98 user

- Windows 98 does not provide any command that enables to disconnect the player from the PC safely. Therefore, check the data transfer status before disconnecting the player from the PC.

3. Learning Basic Usage

3.1 Battery charging

- The product battery can be re-charged by power supply through the PC USB terminal.

Remove the Necklace-earphone and Connect the Mini USB to FL400.

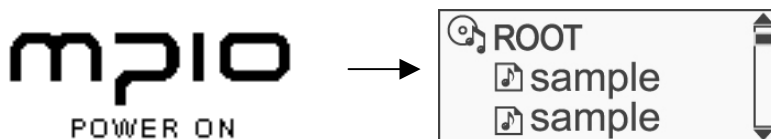
Extend the connection by usage of USB Extension cable.

Connect the other end of the USB cable to the USB cable connection terminal located at the left side of the player(PC).



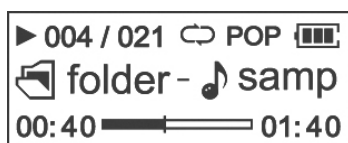
3.2 Power On (Play)/Off (Stop)

When you press the **▶** button longer, the logo screen will appear and then, the power is turned on and the file list will be shown.



To turn it off, press and hold the **▶** button.


Playing back previous/next file




Push **◀** button or **▶** button during playback to play the previous or next file.


* If you push **◀** button within 10 seconds after file playback, the beginning of the current

file will be played back.


- * If you push  button after 10 seconds from file playback, the previous file will be played back.


Fast Forward/ Fast Rewind function

If you push and hold  (right) button , the player performs the fast forward function.

If you push and hold  (left) button , the player performs the fast rewind function.

Pause/ Releasing pause

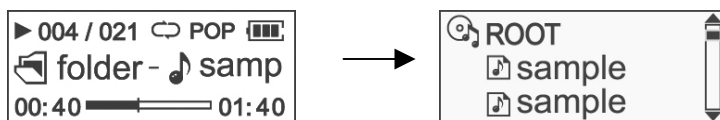
During playback, press the  button to pause.

Press the  button again to resume playback.



3.4 Navigation

(1) Navigating music files during playback or while paused

Press the MENU button shortly to switch to the file list screen from playback or pause screen.



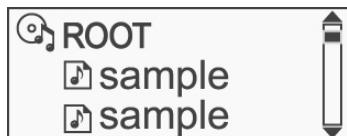
Push + or – button to move to the target file.

To move to the sub-folder, push the  button or press the  button.



To move to the upper folder, push the  button.

(2) Navigation for playback

Press the MENU button shortly, Display on LCD switches playback to file list status.



You can move between files by pushing + or – button

To move to the sub-folder, push the  button or press the  button.

To move to the upper folder, push the  button.

3.5 Controlling Volumes

Volume up: Push the + button.

Volume down: Push the - button.

- * Volume levels: 0 ~ 40

4. Switching the Mode (Listen to Music <-> Listen to FM Radio)

If you press the MENU button longer in playback or pause status, you can switch to MP3, FM Radio, Voice mode by using mode menu.

Press the MENU button longer in playback or pause status.

Push +/- button to move intended menu and choose mode.

Push the MENU button shortly and change the mode by using + or - button.

(Figure1. Example in changing to Radio mode from Mp3 playback)



5. Listening to FM radio

Press the MENU button longer in the playback or pause status, or during navigation.

Push the + or - button to move to the mode menu and then, push the MENU shortly to enter the mode-change.

Choose the Radio and change the mode.

You can find the frequency by pushing the stick to \leftarrow or \rightarrow directions.



(1) Switching between channel mode and scan mode

You can switch the reception mode of FM (channel <->scan) by pressing the MENU button.

Scan Mode

You can change to receiving frequency by pushing the stick \leftarrow or \rightarrow directions.

Auto Scan Function

Push and hold the \leftarrow or \rightarrow button, the frequency will change automatically to good receiving.

Channel Mode

If you choose the 'ON' at Auto Preset setting in Radio menu, the player will scan and save all possible broadcasting frequency automatically. After that, you can listen to radio in channel mode.



You can move to channels that saved frequency by pushing the \leftarrow or \rightarrow button.


(2) Saving Channel


This is a function that saves the received frequency in channel during scan mode.

You can save frequencies up to 20 channels

<In FM radio mode>

Change to receiving frequency by pushing the  or  button and choose the channel to save.



When you press the  button, the list window will appear.

Push the + or – button to move channel number and push the  button to save the channel.

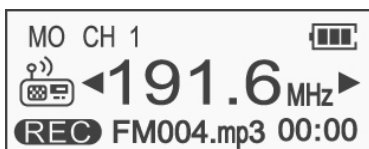
(3) Recording FM radio


You can record the receiving FM radio.

Change To FM radio mode

Change to receiving frequency by pushing the  or  button and choose the channel to record.

Choose Recorder in mode menu, then the player start recording.



To finish the recording, press the  button.

* The FM radio recorded files are stored in the RECORD folder by the file name of FM001.mp3, FM002.mp3 etc.

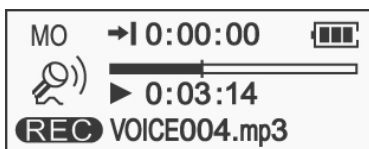
6. Recording Voice


Press the MENU button longer in the playback or pause status, or during navigation.

Push the +or – button to move to the mode menu

Push the MENU button to enter in the mode menu, and then choose the Recorder.

To start recording the voice, press the  button.



To finish the recording, press the  button.

* The voice recorded files are stored in the RECORD folder by the file name of VOICE 001.MP3, VOICE002.MP3 etc.

7. Technical Specification

Dimensions		46 x 28 x 13mm
Weight		25.5g
LCD		1" (128 x 48, White FSTN)
Internal Memory		256/ 512MB / 1GB / 2GB
Decoding Format		MPEG 1/2/2.5 Layer3, WMA(PD DRM),OGG,(Q1~Q10)
Voice Recording		MP3
Audio	Frequency Range	20Hz ~ 20kHz
	S/N ratio	90dB
	Output Power	15mW/Channl (EU : 6mW/Channel)
FM Radio	Frequency Band	87.5MHz ~ 108MHz(Kor,USA,EU) 76 MHz ~ 102MHz(Japan)
	S/N ratio	50dB
	FM Recording	MP3
Language	Menu language	English, Korean, Traditional Chinese, Simplified Chinese, Japanese,
	ID 3 Tag language	55 languages
PC Interface	PC Interface	USB 2.0
	File Transfer Rate	Approx. 16Mbps
	Supported OS	Windows 98SE/ME/2000/XP Mac 9.2.2 ~
	Mass Storage Class	0
Operating Temperature		-5 ~ 40

* Actual usable capacity can be changed via the logic file system regardless of the physical capacity of FL400.

* The warranty does not cover PC connections with the use of extended cords like the USB hub, etc.

* Data transfer rate may vary depending on the computer systems.

* Battery Life may vary depending on the usage, configuration and condition.

8. Computer system requirements

(1) PC

System: USB Interface (Rev 1.1) standard equipment and built-in

CD-ROM driver

CPU: Pentium 133 MHz or higher

Memory: 64MB or higher

Hard disk space: 20MB or higher

Operating system: Windows 98/Me/2000/XP

(2) Macintosh

System: USB Interface (Rev V1.1) standard equipment and built-in

CD-ROM driver

EX) Power Mac G3(Blue & White)/G4/G4 Cube, iMac/iBook,

Powerbook, Powerbook G4

Memory : 64MB or higher

Hard disk space : 20MB or higher

Operating system : MacOS 8.62~9.2, MacOS X(10.1)(iTunes 2,3,4 Plug-In)M PC

* The warranty does not cover PC connections with the use of extended cords like the USB hub, etc.