DIGITALWAY

mpio

designing your digital dream

User's Manual

FY200

English

Spanish

Please read all instrucitons in this User's Guide before using the player.

Designing Your Digital Dream .... mpio

Thanks for your Purchasing Digitalway MPIO. This manual Provides you with the
method of operation and caution. Be sure to read this manual before using this product.

Digitalway will always try to make better product.

What is MPIO?
This means our own brand of Digitalway including MP3 player and other potable
digital audio.

DIGITALWAY

Contents

Introduction

1. Features

(1) Ultra-slim neck strap design
▶ The FY200 has an outstanding feature with simple design and improved portability.

(2) Direct encoding
▶ Creates any encoding files without PC by only connecting the FY200 to CD or cassette player.

(3) USB mass storage
▶ When connected to your PC, FY200 will be automatically recognized as a movable disk. You can upload and/or download data conveniently without additional manager program.
(The USB mass storage function will be supported as firmware upgrade service later.)

(4) The best sound quality, Philips
▶ FY200 provides the high-quality sound introduced by Philips. Enjoy differentiated deep and rich sound.

(5) Customized 5-band EQ
▶ Special function for music mania.
Let alone the standard preset EQ, you can customize 5-band EQ setting manually.

(6) Dual-color backlight
▶ Selects the backlights of orange and yellow green that suits your preference or feeling.

(7) Graphical user interface with improved convenience
▶ The GUI is carefully devised with graphical icon, easily browsable menu and convenient access for better customer convenience.

(8) Advanced voice recorder
▶ The FY200 is not a mere MP3 player. It has functions of real voice recorder and supports various MP3 recording modes, directional microphone, recording quality control, VOR, AGC, and monitor function.

(9) Firmware upgrade
▶ Digitalway persists for better customer service. The firmware upgrade service provides the latest functions and performance. Digitalway will promise you always-new service with the FY200.

(10) Newly designed neck strap earphone
▶ Digitalway's earphone with new design breaking from the existing neck strap style provides better convenience by making it fix its' head when not in use.

2. Product Specifications

Model Name	MPIO FY200
Compression format	MP3 (8 ~ 320 kbps), WMA (5 ~ 192 kbps), ASF
Built-in memory capacity	128/256/512 MB
LCD display	FSTN Type Graphic 3 Line LCD (Dual Color LED Backlight – Orange, Yellow Green)
Language support	36 languages
Display language	English
File transfer rate	Max. 4.5 Mbps
Earphone output	12mW(R:6mW, L:6mW)
Signal-to-noise ratio	90dB
Output frequency range	20Hz~20KHz
Battery	AAA alkaline battery
Continuous playback time	Max. 11 hours (128 kbps MP3 file playback)
FM frequency range	76~108.0MHz
FM output	10mW(R:5mW, L:5mW)
	45dB
Dimensions/Weight	30(W)X86.2(H)X16(D)mm / 32g(Battery excluded)

▶ Weight varies by configuration.
▶ Internal Memory: actual formatted capacity may be less.
▶ Capacity based on 4 minutes per song and 128-Kbps MP3 encoding.
▶ Battery life varies by use.

3. PC Requirements

(1) IBM PC

① System : USB Interface (Rev 1.1) standard equipment and built-in CD-ROM driver
② CPU : Pentium 133 MHz or higher
③ Memory : 64MB or higher
④ Hard disk space : 20MB or higher
⑤ Operating system : Windows 98/Me/2000/XP

(2) Macintosh

① 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
② Memory : 64MB or higher
③ Hard disk space : 20MB or higher
④ Operating system : MacOS 8.62~9.2, MacOS X(10.1) (iTunes 2,3,4 Plug-In)

PC connection using extension cord and USB hub are not warranted by Digitalway.
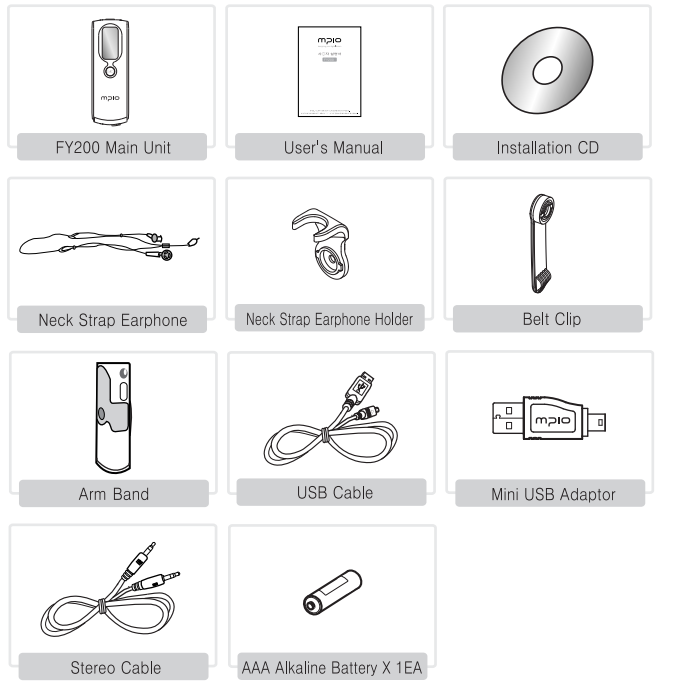
4. Cautions

▶ Read the following instructions before using the product.
▶ Digitalway will not be liable for any incidental damages including breakdown, data loss, personal injury or any other damages caused by not heeding these instructions.

(1) Do not use the product for other purposes not described in this user's manual.

(2) Make sure not to get hurt when touching the package or other accessories.
Keep this user's manual at available place for future use.

(3) Do not shake or apply heavy shocks to the product.
It causes potential troubles and damages

(4) Do not subject this unit to humid place, high temperature or near magnetic devices.

(5) Do not allow liquid substance (i.e. water or other drinks) to this unit.

(6) Do not disassemble, repair or modify the product. In those cases, you cannot receive Digitalway's free repair service.

(7) Digitalway will not be liable for any data loss cased by others than breakdown or malfunction of the unit.

(8) Make sure to check the +/- polarities before inserting battery.

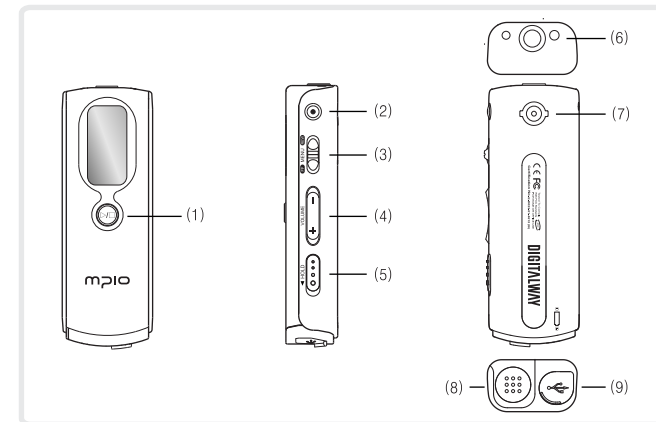(9) When not in use, remove the battery from the unit. It causes a potential trouble

(10) When prompted by battery-shortage warning message, please connect FY200 with manager2 AFTER CHANGING the old battery with new one.
Data transfer with the battery having insufficient power can cause a damage/breakdown.

(11) Do not use an earphone for a long time. It causes a potential trouble.

(12) Make sure to hold the plug when inserting/removing earphone or cable.
Pull out the line of earphone or cable directly may cause wire cut.

(13) Check the direction when you connect the USB cable to the PC or the unit.
Inverse insertion may cause breakdown of the PC or the unit.

(14) Do not leave the USB cable connected to PC.

(15) Do not shake or apply shocks to the connection part of USB cable and the unit.

(16) Do not leave the PC and the unit connected with the USB cable.

(17) Do not shake or apply shock when the player is connected to PC using Mini USB adaptor.

(18) Do not leave the player alone for a long time when it is connected to PC using Mini USB adaptor. It may cause malfunction.

(19) Keep the USB connection terminal of the player clean.

(20) Wipe off dirt on the unit with soft cloth.
Do not clean with any kinds of chemicals.

5. Package Contents

|		
FY200 Main Unit	User's Manual	Installation CD
Neck Strap Earphone	Neck Strap Earphone Holder	Belt Clip
Arm Band	USB Cable	Mini USB Adaptor
Stereo Cable	AAA Alkaline Battery X 1EA	

6. Displays and Function Buttons

(1) Power/Play Key
  ▶ Power on/off, Playback/Pause music file
(2) REC Key
  ▶ Selects A-B repeat/voice record/encoding.
    Press the REC key to return to the upper level in the Folder/Menu
    mode.
(3) Joy Stick Key
  ① Provides the track search and menu setting.
    (You can push the Joy Stick key to search track/menu to up/down.)

Joy Stick Key

  ② Click the Joy Stick key to go to sub-menu or to store the current
    settings.

Joy Stick Key   Joy Stick Key
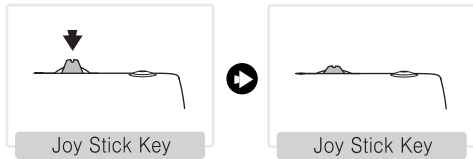
(4) Volume Key
▶ Controls volume.
Press the Volume key for a few seconds to increase the volume fast.

(5) Hold Key
▶ Slide the Hold key to the down side to lock the unit. In the Lock mode, buttons do not work.

(6) Earphone jack
▶ After inserting earphone, fix its' holder with a screw.
(Earphone holder is for the neck strap earphone only)

(7) Neck Strap Earphone Holder / Belt clip
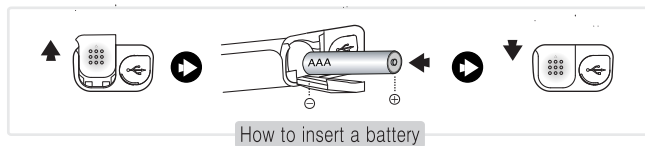▶ These accessories may be replaceable if necessary
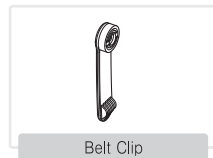
Neck Strap Earphone Holder   Belt Clip

(8) Battery cover

How to insert a battery

(9) USB port
▶ PC can be connected to the unit with USB cable.

7. LCD display

(1) MP3 mode

First line
Second line
Third line
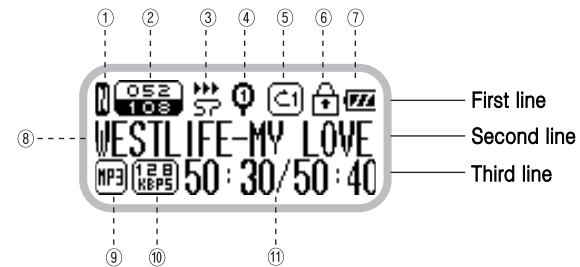
▶ **First line**
① Equalizer
(Default EQ-NPRJCVV or EQ-NPRJCVV applied with the Sound Effector)
② Playback track number in a folder/total number of music in a folder
③ Speed control icon
④ Easy finder icon
⑤ Repeat icon
(REPEAT FOLDER OFF-⊡ ⊡ ⊡ RND/REPEAT FOLDER ON-⊡ ⊡ ⊡ RND)
⑥ HOLD icon
⑦ Battery icon

▶ **Second line**
⑧ File information display – File name/ID3 tag

▶ **Third line**
⑨ File Format
⑩ File bit-rate
⑪ Played track time / Track time

(2) RECORD mode

First line
Second line
Third line
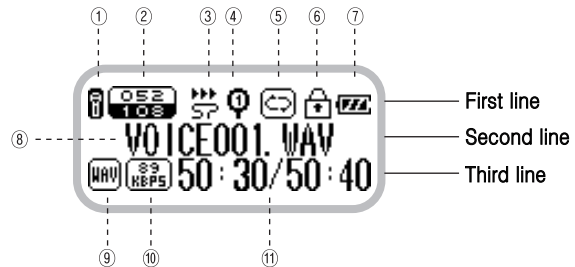
▶ **First line**

① RECORD mode icon
② Numbers of file during playback / Total numbers of saved file
③ Speed Control icon
④ Easy Finder icon
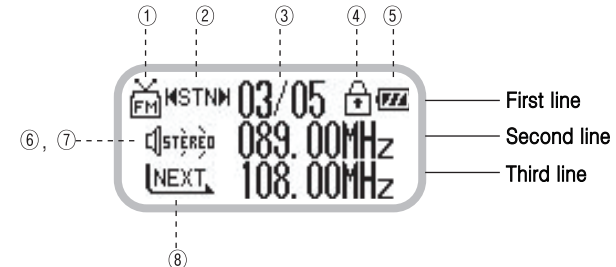⑤ Repeat icon(⊏ ⊲ ⊳ RND)
⑥ HOLD icon
⑦ Battery icon

▶ **Second line**

⑧ File information display – file name

▶ **Third line**

⑨ File Format
⑩ File bit-rate
⑪ Played track time / Track time

(3) FM RADIO mode

First line
Second line
Third line

▶ **First line**

① FM RADIO mode icon
② Station search/Channel search icon
③ Numbers of saved station/Total numbers of available station
④ HOLD icon
⑤ Battery icon

▶ **Second line**

⑥ Sound icon
⑦ Channel display during reception

▶ **Third line**

⑧ Detailed information display: Station No./Station information

Tip: If the (LOW BATTERY) message is displayed, the battery is almost flat. Replace with new one.

Getting Started

1. Install the MPIO Manager2 (provided with the FY200 Package CD) to your PC.
   (For more information on installation, refer to page 38.)

2. Insert battery to the FY200.

3. Press the ⊙button in the front panel for a few seconds to turn on the
   power.

4. Connect the USB cable between PC and the FY200.
   (Check the " [icon] " message on LCD.)

5. Run the Manager2 program by double-clicking the MPIO Manager2 icon
   on desktop.
   (If you fail to connect the FY200 and PC, refer to page 40.)

6. Go to the folder with music files using the PC's Explorer window and
   select the files to download.

7. Disconnect the USB cable from the FY200.

8. After selecting track by pushing the Joy Stick key of the FY200, click the
   ⊙ button shortly to playback the selected track.

Basics

1. Power on/off

(1) Press the button for a few seconds to turn on the power.
   The initial window with MPIO Logo will appear.
   Press any key again to skip the logo display.
(2) Press the ⊙ button for a few seconds to turn off the power.

2. Volume Control

(1) To increase the volume level: + button
(2) To decrease the volume level: − button

> 📖 **Press the VOLUME Key for a few seconds to increase the volume fast.**

3. Music Playback/Stop

(1) After selecting the track by pushing the Joy Stick key, click the
   ⊙ button to playback it.

(2) Push the Joy Stick key to right/left to playback next track during
   playback.

   ▶ When you move the Joy Stick key counterclockwise after
     10 seconds after track playback, playback will be started again
     from the first track.

   ▶ When you move the Joy Stick key counterclockwise before
     10 seconds after track playback, playback will be started again
     from the previous track.

(3) Push the Joy Stick key ([icon])to right/left for a few seconds to perform
   FF/REW during playback.

(4) Press the ⊙ button to stop playback.

4. Entering/Exiting Folder

(1) Enter folder
▶ After selecting the folder by pushing the Joy Stick key to right/left,
click the key.

```
┌┬📁 ROOT           📶
├─📁 WESTLIFE
└─🎵 MY LOVE
```

(2) Exiting folder
▶ Click the REC key ⊙ shortly to return to the parent folder.

5. Navigation

(1) Push the Joy Stick key shortly during playback to switch to the
Navigation mode.

```
┌┬📁 ROOT           📶
├─🎵 WESTLIFE
└─🎵 MY LOVE
```

(2) After selecting the track by push the Joy Stick key to right/left,
click the ⏯ button shortly to playback it.

6. A-B Repeat

(1) Press the REC key ⊙ at the starting point of repeat during playback.
The Ⓑ icon will start to blink. (Setting section A)

```
Ⓝ 052         📁🔒📶
   108
          50:30 🔁Ⓑ
MP3 128
    KBPS 50:30/50:40
```

(2) Press the REC key ⊙ at the ending point of repeat. (Setting section B)

```
Ⓝ 052         📁🔒📶
   108
          50:30 🔁Ⓑ
MP3 128
    KBPS 50:30/50:40
```
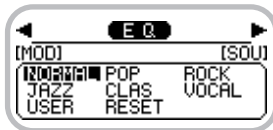
(3) Press the REC key ⊙ again to cancel repeat.

Available only in the Playback mode.

7. EQ Control

(1) After entering the Menu mode by pushing the Joy Stick key for a few
    seconds, go to the EQ menu by pushing the Key to right/left.
    The current EQ mode setting will be highlighted.

```
◀        E Q        ▶
[MOD]            [SOU]
NORMAL  POP    ROCK
JAZZ    CLAS   VOCAL
USER    RESET
```

(2) Click the Joy Stick key to move to the EQ selection screen.
    After selecting EQ by pushing the Joy Stick key to right/left, click the
    Joy Stick key to control the EQ band level.

```
        E Q
◀POP   ROCK   JAZZ▶
  +1    0    0   -1   +3
```
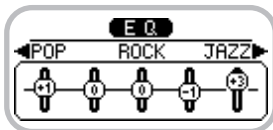
(3) After selecting the EQ frequency band (50Hz/200Hz/1KHz/5KHz/15KHz)
    by pushing the Joy Stick key to right/left, move the Volume key to adjust
    each level of frequency band.

```
        E Q
       ROCK
  +1   0   +   -1   +3
```

Joy Stick Key   Volume Key
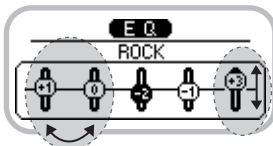
(4) Click the Joy Stick key to save the current settings.

▶ Press the REC ⊙ key to cancel the EQ settings.
▶ Select the Reset menu to convert to default.

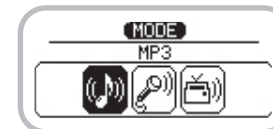## 8. Switching the MP3/RECORD/FM RADIO Mode

▶ Push the Joy Stick key for a few seconds to go to the Mode menu,
  which enables you to switch modes.

※ EX) Switching the MP3 mode to the RECORD mode

(1) Push the Joy Stick key for a few seconds in the MP3 mode.
    The Mode menu will appear.

```
◀      MODE      ▶
[SYS]        [ EQ ]
```
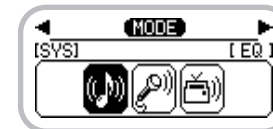
(2) Push the Joy Stick key again to return to the Mode menu.

```
      MODE
       MP3
```

(3) After selecting the RECORD mode by pushing the Joy Stick key to
    right/left, click the Joy Stick key.

```
      MODE
      RECORD
```

(4) The MP3 mode will be switched to the RECORD mode.

```
MPIO RECORD
 ♪ VOICE001.WAV
 ♪ VOICE002.WAV
```

9. Voice Record

(1) Go to the RECORD mode.
(2) Press and hold the Joy Stick key to enter the menu mode.
   Select VOICE RECORDING from the REC OPT menu.

```
REC OPT
VOICE RECORDING
```

(3) Press the REC ⊙ key shortly. The Voice Recording will start.

```
VOR AGC
VOICE001.WAV
SQ 33KBPS 50:30/50:40
```

(4) Press the ⊳⊡ button to pause recording and press the ⊳⊡ button again to resume it.

(5) Press the REC ⊙ key again to finish recording.

▶ The recorded voice files are saved in the RECORD mode as VOICE001.WAV, VOICE002.WAV ....

▶ You can listen to file during recording (only when AGC is set to off).

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10. Encoding

▶ Connect the stereo cable between the FY200 earphone jack and the Line-out of audio device. (When the Line-out does not exist, connect the cable to the Speaker jack.)

Line-out of audio device

FY200 earphone jack
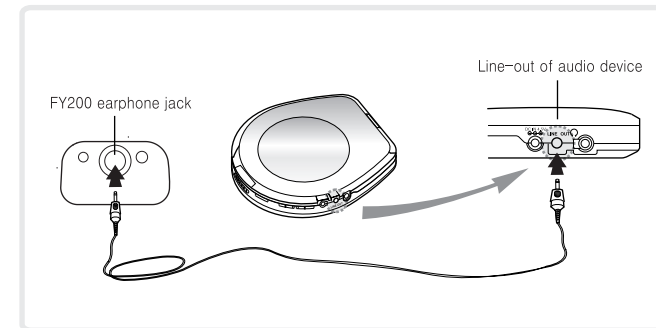
(1) Go to the RECORD mode.

(2) Press and hold the Joy Stick key to enter the menu mode.

Select DIRECT ENCODING from the REC OPT menu.

```
REC OPT
DIRECT ENCODING
```

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(3) Select track to record from audio device to the FY200 and playback it.
Press the FY200 REC ⊙ key to start encoding.

```
[icons]                    [battery]
      LINE-IN001.WAV
SQ  33
    KBPS 50:30/50:40
```
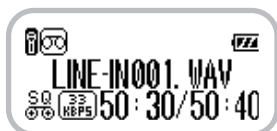
(4) Press the ⊙ button to pause recording and press the button again to
resume recording.

(5) Press the REC ⊙ key to finish encoding.

> ▶ Encoded files are saved in the RECORD mode as
> LINE-IN001.WAV, LINE-IN002.WAV ...

11. FM RADIO

▶ Go to the FM RADIO mode to listen to FM radio.

(1) Channel Search mode

① Push the Joy Stick key to the REW position to go to the lower channel.
② Push the Joy Stick key to the FF position to go to the upper channel.
③ Push the Joy Stick key to the REW/FF position for a few seconds to
search for the previous/next channel

(2) Station Search mode

① Push the Joy Stick key to the REW position to go to the previous station.
② Push the Joy Stick key to the FF position to go to the next station.

> ▶ Click the Joy Stick key shortly to switch the current mode
> to the Channel Search mode/Station Search mode.
> ▶ When initiating the Station Search mode, the 'No Station'
> message will appear. It indicates that there is no saved
> station. In this case, the mode will be automatically
> switched to the Channel Search mode.

12. FM Record

(1) Go to the FM mode.

(2) Press the Recording ⊙ button to record the FM while listening to
FM radio

```
FM ◀◀ ▶▶ 03/05 [lock][battery]
  MONO  089.00MHz
HQ 000:30/050:40
```
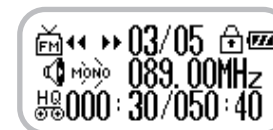
(3) Press the ⊙ button to pause recording and press the ⊙ button again to
resume recording.

(4) Press the REC button ⊙ again to finish FM recording.

> Recorded FM files are saved in the RECORD mode as
> FM001.WAV, FM002.WAV ...
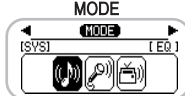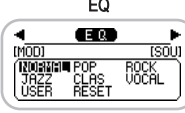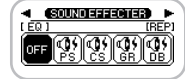
Mode Details

1. MP3 Mode

(1) Button Key Table

① Short Key ▶: Indicates that pressing the Joy Stick key shortly.
② Long Key ▶: Indicates that pressing the Joy Stick key for longer than 1 sec.

KEY Names	Pause		Playback	
	Short Key	Long Key	Short Key	Long Key
Play/Pause	Play	Power Off	Pause	Power Off
REW	Go to the previous track	Go to the previous track continuously	Playback the previous track	Fast Rewind
Mode	Go to folder	Go to menu	Go to the Navigation mode	Go to menu
FF	Go to the next track	Go to the next track continuously	Playback the next track	Fast Forward
REC	Go to the parent folder	–	A–B repeat	GROOVE sound On/Off
Vol +	Volume up	Increase the volume continuously	Volume up	Increase the volume continuously
Vol –	Volume down	Decrease the volume continuously	Volume down	Decrease the volume continuously
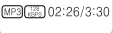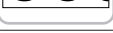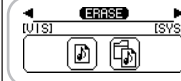
(2) Menu Table
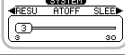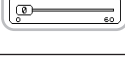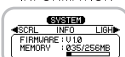
Press the REC button shortly to return to the parent menu.

MP3 Mode	
MODE	Selects a mode.
[SYS] [EQ]	MP3 — Switches to the MP3 mode.
	RECORD — Switches to the RECORD mode.
	FM RADIO — Switches to the FM RADIO mode.

EQ

[MOD] [SOU]
NORMAL POP ROCK
JAZZ CLAS VOCAL
USER RESET

Selects the EQ mode by music genre.
The EQ mode can be customized by user.

NORMAL	Plays in the NORMAL mode.
POP	Plays in the POP mode.
ROCK	Plays in the ROCK mode.
JAZZ	Plays in the JAZZ mode.
CLASSIC	Plays in the CLASSIC mode.
VOCAL	Plays in the VOCAL mode.
USER	Plays in the USER mode.
RESET	Converts to the default EQ settings.

* Default settings by EQ band *

	50Hz	200Hz	1KHz	5KHz	15KHz
NORMAL	0	0	0	0	0
POP	1	1	2	2	1
ROCK	1	3	2	1	0
JAZZ	1	–2	2	0	0
CLASSIC	1	0	0	1	0
VOCAL	–2	2	3	–2	0
USER	0	0	0	0	0

SOUND EFFECTER

[EQ] [REP]
OFF FS CS GR DB

Selects SOUND EFFECTER.

If you press the REC key longer during playback, the GROOVE Sound will take effect immediately.

	OFF	No SOUND EFFECTER
	PURE STUDIO	Sets to the PURE STUDIO.
	CONCERT SOUND	Sets to the CONCERT SOUND.
	GROOVE	Sets to the GROOVE.
	DYNAMIC BASS	Sets to the DYNAMIC BASS.

REPEAT

		Selects the playback order.
	NORMAL	Plays in sequence.
	REPEAT ONE	Repeats the selected track.
	REPEAT ALL	Loop repeat in sequence
	RANDOM	Plays randomly

REPEAT FOLDER

Selects playback of all tracks saved in memory/playback of tracks in the selected folder.	
OFF	Plays tracks saved in memory, regardless of folder location when selecting the NORMAL/REPEAT ONE/REPEAT ALL/RANDOM function.
ON	Plays tracks in the selected folder when selecting the NORMAL/REPEAT ONE/REPEAT ALL/RANDOM function.

Sets the speed control for foreign language study and the Easy Finder.

▶ The Study function cannot be saved after turning the power off.
▶ The Speed control can function only in MP3 files where the sampling rate is under 22.05 KHz.

STUDY

SPEED CONTROL	(50%,63%,75%,88%)	Plays back at a slow speed.
	(100%)	Plays back at a normal speed.
	(125%,150%,175%,200%)	Plays back at a fast speed.
EASY FINDER	Off	Disables the Easy Finder.
	1 STEP(5 SEC)	Pushing the Joy Stick key skips 1 step for 5 seconds during playback.
	2 STEP(10 SEC)	Pushing the Joy Stick key skips 2 steps for 10 seconds during playback.

VISUALIZATION

		Selects the display mode of 3-line playback.
	FILE INFO	Displays format, bit-rate and playback time/track time.
	STEREO IMAGE	Displays stereo image visualization.
	WAVE	Displays wave visualization.
	STATUS	Displays playback status.

ERASE

Erases files saved in memory.	
🖐 : Available only in the Stop mode.	
ERASE FILE	Selects file(s) to erase.
ERASE ALL	Erases all saved files.

SYSTEM

BACKLIGHT	COLOR		Selects backlight color.
		ORANGE	Sets the backlight to orange.
		YELLOW GREEN	Sets the backlight to yellow green.
	TIME		Sets the backlight time when touching a button.
		OFF~30 SEC	Sets the backlight time within the range of 0 ~ 30 seconds (Default is set to 3 sec.)

	AUTO PLAY	Selects the Auto Playback mode after turning the power on.	
		OFF	After turning the power on, press the PLAY button to playback files.
		ON	When turning the power on, files are played back automatically.
	RESUME	When turning the power on, restores the saved files which played last.	
		INITIAL	Restores the file which played last from the initial.
		STOPPED	Restores the file which played last from the stopped track.
	AUTO POWER OFF	Sets the waiting time for automatic power off when no buttons touches.	
		3~30 MIN	Sets the time within the range of 0 ~ 30 minutes. (Default is set to 3 min.)
	SLEEP	Sets the timer for automatic power off.	
		✋ The SLEEP menu will not saved after turning the power off.	
		OFF~60 MIN	Sets the timer within the range of 0 ~ 60 minutes.
	FADE	Increases the volume gradually during playback.	
		OFF	Sounds with the volume preset.
		ON	Sounds with the gradually increasing volume preset.
	DISPLAY	Selects file information to be displayed on the 3line of LCD.	
		TAG INFO	Displays ID3 TAG information.
		FILE NAME	Displays file name.
	SCROLL WIDTH	Selects file transfer rate to be displayed on the second line of LCD.	
		2~128	Selects the rate within the range of 2 ~ 128.
	INFORMATION	Displays the firmware version, total memories, remaining memory information.	

2. RECORD Mode
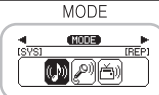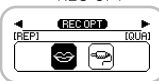
(1) Button Key Table
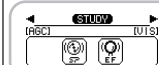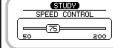
① Short Key ▶ Indicates that pressing the Joy Stick key shortly.
② Long Key ▶ Indicates that pressing the Joy Stick key for longer than 1 sec.
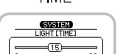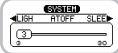
KEY Names	Pause		Playback	
	Short Key	Long Key	Short Key	Long Key
Play/Pause	Playback	Power Off	Pause	Power Off
REW	Go to the previous track	Go to the previous track continuously	Playback the previous track	Fast Rewind
Mode	–	Go to Menu	–	Go to Menu
FF	Go to the next track	Go to the next track continuously	Playback the next track	Fast Forward
REC	Voice Recording/ ENCODING	–	MARK REPLAY	–
Vol +	Volume up	Increase the volume continuously	Volume up	Increase the volume continuously
Vol –	Volume down	Decrease the volume continuously	Volume down	Decrease the volume continuously

📖 Press the REC button shortly to return to the parent menu

RECORD Mode		
MODE	Selects a mode.	
[SYS] [MODE] [REP]	MP3	Switches to the MP3 mode.
	RECORD	Switches to the RECORD mode.
	FM RADIO	Switches to the FM RADIO mode.
REPEAT	Selects the playback order.	
[MOD] [REPEAT] [REC]	NORMAL	Plays in sequence.
	REPEAT ONE	Repeats the selected track.
	REPEAT ALL	Loop repeat in sequence
	RANDOM	Plays randomly
REC OPT	Sets to the RECORDING mode.	
[REP] [REC OPT] [QUA]	VOICE RECORDING	Sets to the VOICE RECORDING mode.
	DIRECT ENCODING	Sets to the DIRECT ENCODING mode.
QUALITY	Sets the quality of recording sound.	
[REC] [QUALITY] [GAI]	SQ	Sets the Standard quality. 8 KHz (33Kbps)
	HQ	Sets the High quality. 11.025 KHz (45Kbps)
	SHQ	Sets the Super High quality. 22.05 KHz (89Kbps)
REC GAIN	Controls the recording level.	
[QUA] [REC GAIN] [VOR]	LOW	Sets the recording level to LOW.
	MIDDLE	Sets the recording level to MIDDLE.
	HIGH	Sets the recording level to HIGH.
VOR	VOR (Voice Operated Recording) function: Saves memory size and prevent unnecessary recording by recording only when the sound is detected.	
[GAI] [VOR] [AGC]	▶ The VOR function is supported in the voice recording mode only. ▶ The VOR function switches to 'off' whenever the power is turned off. ▶ It's recommended that you do not use the VOR for material recording.	
	OFF	The VOR function will be disabled.
	LIBRARY	Use this mode when recording in a relatively calm place or your own voice.
	OFFICE	Use this mode when recording in a relatively noise places like an office, or several speaker's voice.
	PARK	Use this mode in an open place or relatively noisy places.

AGC	AGC(Automatic Gain Control) ▶ Automatic adjustment of amplification level for input signal to be target level	
[VOR] [AGC] [STU]	▶ The AGC function is supported in a voice recording mode only.	
	OFF	Disables the AGC(You can listen to the recorded sound during recording.)
	ON	Enables the AGC(You cannot listen to the recorded sound during recording.)
STUDY	Sets the speed control for foreign language study and the Easy Finder	
[AGC] [STUDY] [VIS]	▶ Study function cannot be saved after turning the power off. ▶ The speed control can function only in MP3 files where the sampling rate is under 22.05 KHz.	
	SPEED CONTROL	(50%,63%,75%,88%) Plays at a slow speed.
		100% Plays at a normal speed.
		(125%,150%, 175%,200%) Plays at a fast speed.
	EASY FINER	OFF Disables the Easy Finder
		1 step(5 sec) Pushing the Joy Stick key skips 1 step for 5 seconds during playback.
		2 step(10 sec) Pushing the Joy Stick key skips 2 steps for 10 seconds during playback.
VISUALIZATION	Selects the display mode of 3-line playback.	
[STU] [VISUALIZATION] [SVS]	FILE INFO	Displays format, bit-rate and playback time/track time. MP3 02:26/3:30
	STEREO IMAGE	Displays stereo image visualization.

	WAVE		Displays wave visualization.	
	STATUS		Displays playback status.	
SYSTEM	**BACKLIGHT**	**COLOR**	Selects backlight color.	
			ORANGE	Sets the backlight to orange.
			YELLOW GREEN	Sets the backlight to yellow green.
		TIME	Sets the backlight time when touching a button.	
			OFF~30 SEC	Sets the time within the range of 0 ~ 30 seconds. (Default is set to 3 sec.)
	AUTO POWER OFF		Sets the waiting time for automatic power off when no buttons touches.	
			3~30 MIN	Sets the time within the range of 0 ~ 30 minutes. (Default is set to 3 min.)
	SLEEP		Sets the timer for automatic power off. The SLEEP menu will not saved after turning the power off.	
			OFF~60 MIN	Sets the timer within the range of 0 ~ 60 minutes.
	INFORMATION		Displays the firmware version, total memories and remaining memory information.	

3. FM RADIO Mode
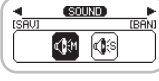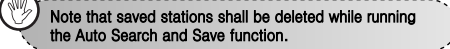
(1) Button Key Table
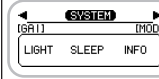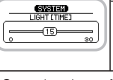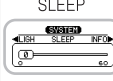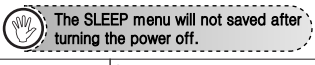
① Short Key ▶ Indicates that pressing the Joy Stick key shortly.
② Long Key ▶ Indicates that pressing the Joy Stick key for longer than 1 sec.

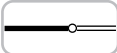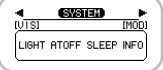| KEY Names	Channel Search Mode		Station Search Mode	
	Short Key	Long Key	Short Key	Long Key
Play/Pause	–	Power Off	–	Power Off
REW	Go to lower level channel	Go to the previous channel continuously	Previous Station	Go to the previous channel continuously
Mode	Station Search Mode shift	Go to menu	Channel Search Mode shift	Go to menu
FF	Go to upper level channel	Auto search for the next channel	Next Station	Continue to go to upper level station
REC	Start FM recording	–	Start FM recording	
Vol +	Volume up	Increase the volume continuously	Volume up	Increase the volume continuously
Vol –	Volume down	Decrease the volume continuously	Volume down	Decrease the volume continuously

(2) Menu Table

Press the REC ⊙ button shortly to return to the parent menu.

FM RADIO Mode		
MODE	Selects a mode.	
	MP3	Switches to the MP3 mode.
	RECORD	Switches to the RECORD mode.
	FM RADIO	Switches to the FM RADIO mode.
SAVE CHANNEL	Saves channel while listening to FM radio.	
	After selecting the station number, click the Joy Stick key.	
	STN01 089.00MHz STN02 108.00MHz	Maximum 20 stations can be stored.
SOUND	Selects the FM sound while listening to FM radio.	
	MONO	Sets the sound to mono while listening to FM radio.
	STEREO	Sets the sound stereo while listening to FM radio.
FM band	Selects the FM receiver band.	
	US/EU/KR/CN(87.5~108 MHz)	Receives the sound within 87.5~108 MHz.
	JAPAN(76~92 MHz)	Receives the sound within 76~92 MHz.
	WORLD WIDE(76~108 MHz)	Receives the sound within 76~108 MHz.
AUTO PRESET	Ignores the existing saved stations and search channels in the band within 87.5~108MHz to save the channels in the station. If the Auto Search and Save runs, up to 20 stations will be saved.	
	Note that saved stations shall be deleted while running the Auto Search and Save function.	
	No	Disables the Auto Search and Save.
	Yes	Enables the Auto Search and Save.
SEEK STEP	Pushes the Joy Stick key to select channel movement unit in the Channel Search mode.	
	100kHz	Moves the FM channel with 100kHz unit.
	50kHz	Moves the FM channel with 100kHz unit

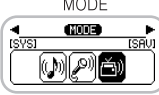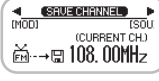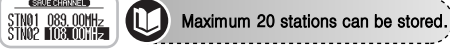|			
QUALITY	Sets the quality of FM recording sound.		
	SQ	Sets the Standard quality. 8KHz(33Kbps)	
	HQ	Sets the High quality.. 11.025KHz(45Kbps)	
	SHQ	Sets the Super High quality. 22.05KHz(89Kbps)	
REC GAIN	Controls the recording level.		
	LOW	Sets the recording level to LOW.	
	MIDDLE	Sets the recording level to MIDDLE.	
	HIGH	Sets the recording level to HIGH.	
SYSTEM	BACKLIGHT	COLOR	Selects backlight color.
			ORANGE — Sets the backlight to orange.
			YELLOW GREEN — Sets the backlight to yellow green.
		TIME	Sets the backlight time when touching a button.
			OFF~30 SEC — Sets the time within the range of 0 ~ 30 seconds. (Default is set to 3 sec.)
	SLEEP	Sets the timer for automatic power off.	
		The SLEEP menu will not saved after turning the power off.	
		OFF~60 MIN	Sets the timer within the range of 0 ~ 60 minutes.
	INFORMATION	Displays the firmware version, total memories, available memory information.	

MPIO Manager2 Program

1. Installing the MPIO Manager2

Installing Manager2 can cause malfunction in the Manager program while PC is being connected to the MP3 player. Make sure to remove the USB cable from PC before installing the Manager2 program.

(1) Power on your PC and insert the Installation CD in a CD-ROM driver.
▶ The Install menu will appear automatically.
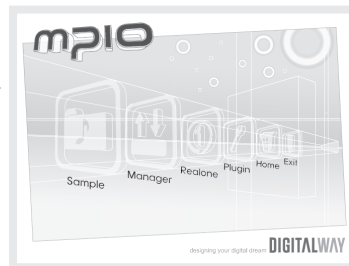
If the Installation CD does not run automatically,

▶ Double-click the My Computer on desktop.
▶ Select and double-click the CD-ROM driver (D: or E:) to run the Installation CD.

(2) Click the MPIO Manager2 in the Install menu.
▶ Figure of MPIO Manager Installation
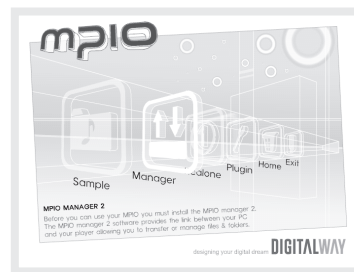
(3) Welcome to the MPIO Manager2. If you agree to installation, click Next.
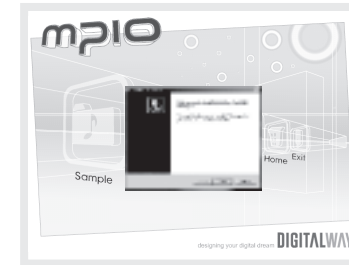
(4) If you agree to the Terms and Conditions, click Yes.
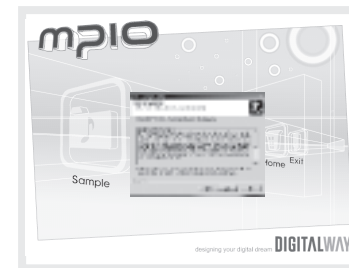
(5) Specify the directory to install the MPIO Manager2. You can change the default directory by clicking the Browse button and selecting the desired folder.

(6) Choose the destination of the MPIO Manager2 in program folder.
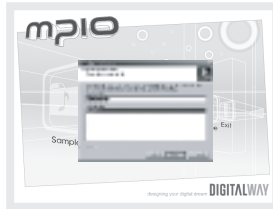
(7) The MPIO Manager2 is now installing. When the installation completes, the MPIO Manager2 icon will be created on desktop.

2. Connecting the MPIO to PC

(1) Connect the USB cable between the USB port and your PC.
(2) Power on the MPIO and connect the USB cable to it.
(3) Check the 'USB CONNECTED' message on the LCD of MPIO.
(4) Run the MPIO Manager2.

3. When Connecting Fails

When the "MPIO is not connected. Check if the power is on and the cable is connected" message appears while running the Manager2 after connecting the MPIO to your PC, follow the instructions below.

(1) Windows 98/SE/ME

① Insert the Installation CD in the CD-ROM driver.
② Go to the My Computer > Properties and click the Device Manager tab.
③ Find the 'Digitalway Audio Player' in the Device Manager folder.

The 'Digitalway Audio Player' item may be displayed as question mark (?)/exclamation mark (!) or as Others/Unknown Device.

④ Double-click the 'Digitalway Audio Player'.
⑤ When the Properties appears, select the Driver tab and click Update Drive.
⑥ When the Update Driver Wizard appears, click Next.
⑦ Check the [Search for A Better Driver Than the Existing Driver (Recommended)] button.
⑧ Specify the location of the driver as a CD-ROM driver.
⑨ When the drive installation has finished, click Finish.

(2) Windows 2000/XP

① Insert the Installation CD in a CD-ROM driver.
② Go to the My Computer > Properties > Hardware > Device Manager.
③ Find the 'Digitalway Audio Player' in Device Manager folder and double-click it

The 'Digitalway Audio Player' item may be displayed as question mark (?)/exclamation mark (!) or as Others/Unknown Device.

④ When the Properties appears, click Update Driver.
⑤ When the Update Driver Wizard appears, click Next.
⑥ Choose [Install from a list or specific location (Advanced)].
⑦ Select [Search portable media {floppy, CD-ROM}] in [Search for the best driver in here].
⑧ When the drive installation has finished, click Finish.

4. Using the MPIO Manager2

(1) Figure of MPIO Manager
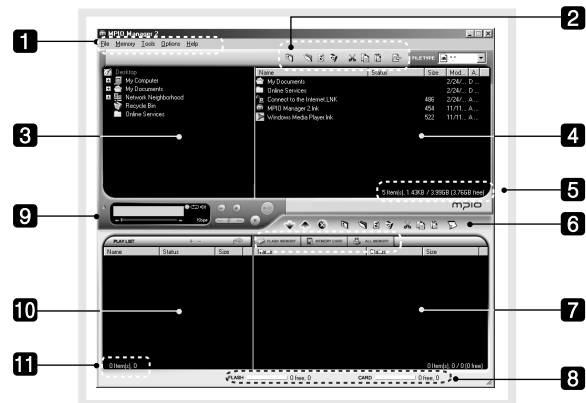
① Menu
② PC file (folder) manager – Manages the PC file/folder.

Icon	Icon Name	Function
	Upper Level Folder	Goes to the upper level folder.
	New Folder	Creates a new folder in PC.
	Refresh	Displays updated PC status.
	Delete	Deletes selected file(s)/folder(s).
	Cut	Cuts file(s)/folder(s).
	Copy	Copies file(s)/folder(s).
	Paste	Pastes copied or cut file(s)/folder(s).
	ID3 Tag Editor	Edits ID3 Tag information of MP3 file saved in PC.

③ PC's Explorer window
  ▶ Moves music file(s) to the designated folder.

④ PC List window
  ▶ Displays the file list saved in the selected folder.

⑤ PC memory information display

⑥ Memory file/Folder manager
  ▶ Manages file(s)/folder(s) in memory built in MPIO.

Icon	Icon Name	Function
	Download	Downloads file(s)/folder(s) to MPIO.
	Upload	Uploads file(s)/folder(s) to PC.
	Stop	Stops transferring file.
	Upper Level Folder	Goes to the upper level folder.
	New Folder	Creates a new folder in Memory.
	Refresh	Displays updated Memory status.
	Delete	Deletes selected file(s)/folder(s).
	Cut	Cuts file(s)/folder(s).
	Copy	Copies file(s)/folder(s).
	Paste	Pastes copied or cut file(s)/folder(s).
	ID3 Tag Properties	Edits the ID3 tag information of MP3 file saved in memory.

⑦ Memory List window
▶ The window shows file list saved in the MPIO.
▶ Choose Built-in Memory/All Memory to display the list of selected memory.

⑧ Memory information Display

⑨ MPIO audio
▶ Plays the files (MP3/WMA/ASF/WAV) stored on your PC or audio CD.

⑩ Audio List window
▶ Displays audio playback list.

⑪ Audio information display

(2) MPIO Manager2 Menus

▶ The table describes functions of each menu/submenu.

Menu	Sub-menu		Description
File	Download File to MPIO		Downloads file/folder saved on PC to MPIO.
	Upload File to PC		Uploads file/folder in MPIO memory to PC.
	Erase File		Erase selected file/folder.
	Rename File		Change file/folder name.
	New Folde	PC	Create a new folder on the PC.
		Internal Memory	Create a new folder in the Internal Memory.
		Memory Card	Create a new folder in the Memory Card.
	Exit		Exits the MPIO Manager2.
Memory	Format Internal Memory		Formats Internal Memory.
	Format Memory Card		Formats Memory Card.
	※Note that all files/folders stored in memory are deleted and settings return to default if you initialize the memory.		
Tools	ID3 Tag Editor		Edits ID3 Tag information of MP3 file saved in PC.
	Logo Editor		Creates the LCD display logo of the unit.
	FM Station Editor		Saves information on channel (frequency) to save in FM Station and the information on Station on LCD display.
	Memo Pad		FY200 does not support 'Memo Pad'.
	Firmware Upgrade		Upgrades firmware.
Options	Set Window Font		Selects the font to use for the Manager2.
	Download MPIO Font		Saves the font in the unit to display multilingual file name on LCD.
	Erase Font in MPIO		Erase the font saved in MPIO.
	Download User-defined MPIO Font		Downloads the user-defined fonts and modifies it.
	Download Image to MPIO		Download the device image when it is not displayed properly.
	Reset MPIO		Resets to the device's default settings.
	Skin		Chooses to use skin types of Manager2.
	Language		Selects the language to use for Manager.
	Layout		Selects whether to apply display tool tip.
Help	Visit Digitalway's Web Site		Goes to MPIO Web Site automatically.
	About MPIO Manager2		Displays info of MPIO Manager2 and FY200 firmware.

(3) Basic Functions

① Downloading File

▶ Power on the MPIO and connect the USB cable between your PC and the MPIO.
▶ Check the 'USB CONNECTED' message on the LCD of MPIO.
▶ Run the Manager2.
▶ Check the built-in memory size on the Memory Information Display.
▶ Go to the folder saved music files using PC's Explorer Window.
▶ The names of the files in the selected folder appear in the PC List window.
▶ Select a file in the PC List window and click the Download button.
▶ Check the download status in the Memory List window.

② Uploading File

▶ Power on the MPIO and connect the USB cable between your PC and the MPIO.
▶ Check the 'USB CONNECTED' message on MPIO LCD.
▶ Run the Manager2.
▶ Check the built-in memory size on the Memory Information Display.
▶ Go to the folder saved music files using PC's Explorer Window.
▶ Select a file to upload in the Memory List window and click the Upload button.
▶ Check the uploaded file in the PC List window.

> Music files (MP3/WMA/ASF) cannot be uploaded for protecting the copyright.

③ Memory Initialization

▶ Power on the MPIO and connect the USB cable between your PC and the MPIO.
▶ Check the 'USB CONNECTED' message on LCD of MPIO.
▶ Run the Manager2.
▶ Check the built-in memory size on the Memory Information Display.
▶ Go to the Memory in the MPIO Manager2 menu.
▶ Select the memory to initialize.
▶ When the confirmation box appears, click OK.

> Note that all files/folders saved in memory are deleted and settings return to default if you initialize the memory.

④ Downloading/Deleting Font

< Downloading Font >
: Downloads font to the unit to display multilingual file names on the LCD.

▶ Power on the MPIO and connect the USB cable between your PC and the MPIO.
▶ Check the 'USB CONNECTED' message on the LCD of MPIO.
▶ Run the Manager2.
▶ Check the built-in memory size on the Memory Information Display.
▶ Go to the Option menu of the Manager2.
▶ Select the 'Downloading Font.

> Downloaded font takes up total 2 MB built-in memory.

< Deleting Font >

: Deletes unnecessary fonts saved in MPIO.

▶ Power on the MPIO and connect the USB cable between your PC and the MPIO.
▶ Check the 'USB CONNECTED' message on the LCD of MPIO.
▶ Run the Manager2.
▶ Check the built-in memory size on the Memory Information Display.
▶ Go to the Option Manager2 menu.
▶ Select the 'Deleting Font'.

(4) Useful Features

① ID3 Tag Editor
: Edits ID3 Tag of MP3 files saved in PC.

> Tips on ID3 Tag
> **It's the space in MP3 file containing the relevant file
> information (Title, Singer, Genre, etc.).**

▶ Run the Manager2.
▶ Select the file to edit its' ID3 Tag in PC List window.
▶ Go to the Tool menu of the Manager2 and select the ID3 Tag.
(You can run this function by selecting icon on the PC File Manager.)
▶ Change the ID3 Tag information and click the Update button.

> **Do not change the ID3 Tag information saved in the memory
> built in the MP3 Player.**

② Logo Editor
: User can convert bitmap file to logo file to display this file on the unit
using Logo Editor.

▶ Create a bitmap file of 128*48 size.

▶ Select the Tool in the MPIO Manager2 menu and click the Logo Editor.
The Logo Editor will appear.

▶ Choose 128*48 in the Logo Editor Image Size menu.

▶ Click the FROM BITMAP TO LOGO button and go to the folder
containing the relevant bitmap file.

▶ Select a bitmap file and click OPEN. Then a duplicate log file with the
same name as the bitmap file is created.

▶ Click the Create a New File button to save the file name.
(You can see the file name added to the File Name item in Logo Editor.)

▶ Go to the System in the Logo Editor to adjust volume, playback order,
default EQ settings to apply to the unit.

▶ Click the Insert Logo button and import the log file converted from
bitmap formatv.
(You can see the log file arranged in the Editor window.)

> **The Logo files in the Editor window may be rearranged with
> Drag and Drop function.**

▶ Click the Preview Starting Logo button to check the starting logo in
the Logo Image.
(If you click the Preview Ending Logo, the ending logo will be
displayed in the Logo Image.)

▶ Check the Logo Image to save the logo image.

📖 When computer is connected to the unit, created logo file
can be directly applied to the unit.

③ FM Station Editor

: Saves information on channel (frequency) to store in FM station and
the information on station to display on the LCD.

▶ Turn the MPIO Power on and connect the USB cable between your
PC and the MPIO.
▶ Check the 'USB CONNECTED' message on the LCD of MPIO.
▶ Run the Manager2.
▶ Check the built-in memory size on the Memory Information Display.
▶ Select Tool in the MPIO Manager2.
▶ Click the FM Station Editor.
▶ If the FM Station Editor window appears, save details on the FM
Station channel and station.

📖 You can enter maximum 8 Korean characters and 16 English
words in the FM Station Editor.

④ Firmware Upgrade

: The MPIO Manager2 provides an easy firmware upgrade function.

📖 The firmware can be downloaded from MPIO Homepage.

▶ Save the firmware upgrade file in your PC.
▶ Power on the MPIO and connect the USB cable between your PC and the MPIO.
▶ Check the 'USB CONNECTED' message on the LCD of MPIO.
▶ Run the Manager2.

▶ Check the built-in memory size on Memory Information Display.
▶ Select Tool in the MPIO Manager2 menu.
▶ Click the FM Station Editor.
▶ If the Firmware Upgrade window appears, find the folder containing firmware.
▶ Select the player.rom file and press the OPEN button.
▶ When the firmware upgrade has completed, click OK.

✋ Completion of firmware upgrade leads to auto power-off.
Note that disconnecting the USB cable before auto power-off
can cause breakdown of the unit.

(5) Using the MPIO Audio
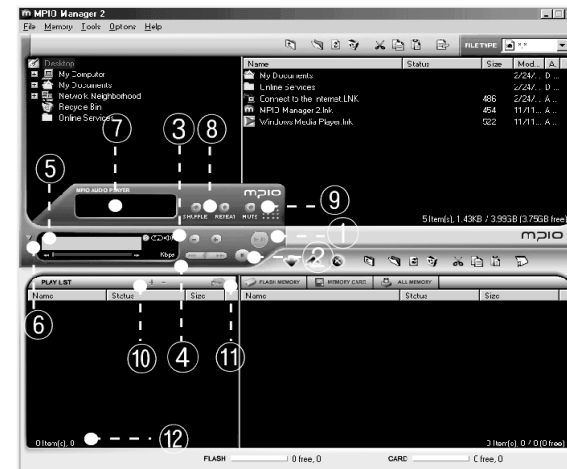
< Audio and Playback list >

① Playback/Pause button
② Stop button
　▶ Stops playback.
③ Volume button
　▶ Adjusts sound level.
④ Go to button
　▶ Plays previous/next track.
⑤ The LCD of MPIO
　▶ Scrolls file information during playback.
　▶ Displays playback status.
　▶ Displays playback order set in the MPIO Audio Player.
　▶ Displays mute status.
　▶ Displays playback time.
　▶ Displays bit-rate of the file during playback.
⑥ MPIO Visual LCD Activation button
　▶ Activates the Visual LCD.
⑦ MPIO Visual LCD
　▶ Displays Visual LCD during playback.
⑧ Playback Order button
　▶ Selects playback order of playback list.
⑨ Mute Button
　▶Enables the mute function.
⑩ Add/Remove File button
　▶ Add/Removes files in the playback list.
⑪ Download button
　▶ Imports files on audio playback list to memory.
⑫ Audio Information Display
　▶ Displays the number and size of selected files.

< Adding/Removing File in the Audio List Window >

① Adding File

　▶ Method 1.

　　→ Transfer music file(s) to the designated folder using the PC's
　　　Explorer window.
　　→ Names of files in the selected folder appear in the PC List window.
　　→ Select file in the PC list Window and double-click it.

　▶ Method 2.

　　→ Transfer music file(s) to the designated folder using the PC's
　　　Explorer window.
　　→ Names of files in the selected folder appear in the PC List window.
　　→ Select file in the PC List window and click the "+" button in the
　　　Audio List window.

② Removing File

　▶ Select file(s) to remove in the Audio List window.
　▶ Click the "-" button in the window.

< Transfer Audio List to Memory >

　: Transfer file(s) in the Audio List window to the built-in memory of MPIO.

　① Select file(s) to transfer to memory in the Audio List window.
　② Select a memory to be transferred.
　③ Click the Transfer icon (　　).

Other Instructions

1. Creating MP3 File with Audio CD

① Select the Real Networks in the Menu of Installation CD and download it to install RealOne Player on computer.

② Insert audio CD in a CD-ROM driver.

③ Run the RealOne Player.

④ Click the CD menu.

⑤ Click the Save Track menu, then the Track Selection window appears.

⑥ In the Track Selection, specify a track to save in PC.

⑦ In the Default Settings, select the Change Settings.

⑧ When the Preferences window appears, specify the MP3 Audio in the Choose Format.

⑨ In the Sound Quality, specify the bit-rate of MP3 file to create and click OK.
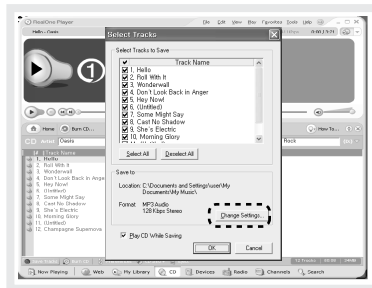
> The MP3 files are saved in My Music folder of the C: driver. To change the folder to save MP3 files, go to the General in the Preferences window and select a desired folder by clicking the Browse button of recorded music file.

⑩ Click OK in the Track Selection window.
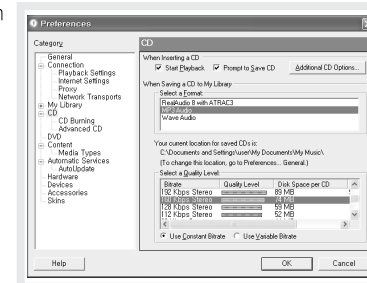
> The RealOne Player is special version with additional functions of MP3 encoding to the basic version of RealOne. Note that we do not pay extra fees for functions of RealOne Player Plus.

2. Installing the iTunes Plug-In for Macintosh

> The iTunes Plug-In requires Mac OS version 9 or higher.

① Power on the Macintosh and insert the MPIO Installation CD in a CD-ROM driver.

② Double-click the CD-ROM icon and the iTunes Plug-In Installer icon in the folder.

③ When the iTunes Plug-In for MPIO Read Me appears, click Continue.

④ When the iTunes Plug-In Installer appears, click Install.

⑤ When the "Installation was successful" message appears, click Quit.

3. Troubleshooting (FAQ)

Q1 I've connected the MPIO and PC but the "USB CONNECTED" message was not appear.

A1 Make sure if the power of MPIO is on. If so, check if USB cable is inserted to MPIO properly.

Q2 I cannot upload music files saved in the MPIO to my PC.

A2 Uploading music files (MP3/WMA/ASF) are prohibited for copyright reason. Other files such as data files and WAV files can be uploaded.

Q3 I've opened a music folder in the MPIO Manager2, but there is no music file.

A3 Check the file type on upper right side of the MPIO Manager2.

Q4 After turning the power off, settings (volume, FM frequency, etc…) in the Menu mode returns to default.

A4 Go to the Memory menu of the Manager2 and initialize built-in memory. Note that all files saved in the memory will be deleted if you initialize built-in memory.

Q5 Where can I find my MPIO firmware and the Manager2?

A5 Go to the Menu of MPIO and select Information. Then, check your MPIO firmware version. To check your Manager2 version, go to Help of Manager2 and select About the MPIO Manager2.

4. Warranty
Your MPIO FY200 is covered by an digitalway, Inc. Limited Warranty. This product is warranted to be free from manufacturer defects for 120 days from the date of purchase. If the product fails or malfunctions due to a manufacturing defect during the warranty period, a refurbished unit of the same make and model or its current equivalent will be provided free of charge.

Warning : Changes or modifications to this product not expressly approved by digitalway ,Inc will void the warranty.

Not covered
The following are not covered by this Limited Warranty
 A. Damage from misuse, abuse, or neglect.
 B. Damage from use outside the product's usage parameters.
 C. Damage from modification or incorporation of other products.
 D. Damage from repair or replacement of warranted parts by parties other than Digitalway's authorized service provider.
 E. Damage to or loss of any programs or data.
 F. Damage resulting from an Act of God.

Memo

Memo