

Better and new Encoding MP3 player **mpio!**

Digital Sound **mpio!**

The MPIO maintains high quality sound at all time.

What is MP3?

MP3 stands for MPEG 1/2 layer 3.

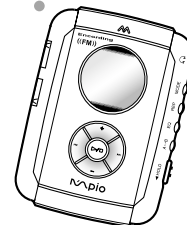
MP3 files can be compressed up to 1/20 size of the original wave files.

What is the MPIO?

The MPIO stands for **M**ulti-**P**lay Internet **A**udio, is a new generation digital audio player.

You can purchase MP3 files on the internet and download them directly to your MPIO for CD quality sound without the need of cassette tapes or CDs.

Encoding Digital Player!
Download files directly to your MPIO and enjoy the CD sound quality now!



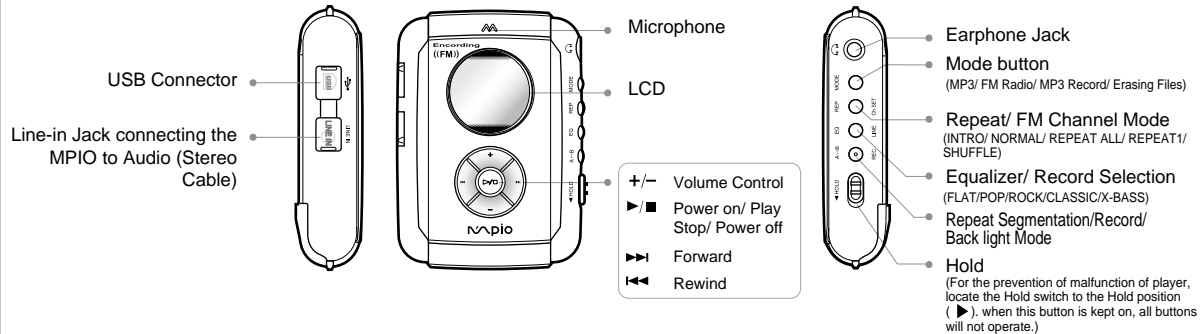
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• This equipment has been tested and found to comply with the limits for a Class B digital device.

PLAYER FEATURES AND CONTROLS

Front Panel

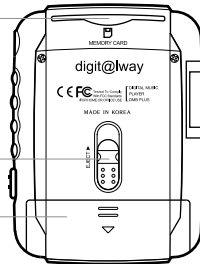


Rear Panel

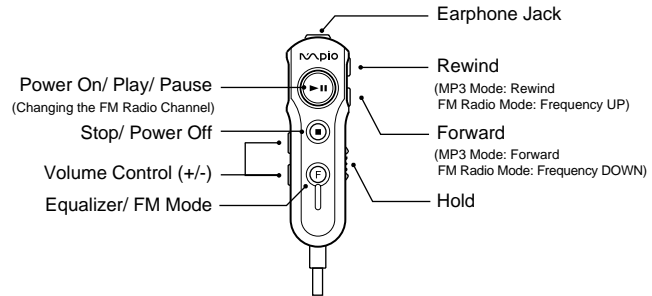
SMC(Smart Media
Card) Slot

Eject button(SMC)

Battery Case



Optional Remote Control



•Press and Hold button to enter FM Radio Mode.

ACCESSORIES



User's Guide



Installation CD



USB Cable



Stereo Cable



Earphone



Remote Control



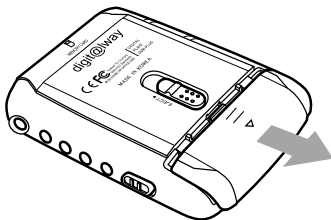
Pocket



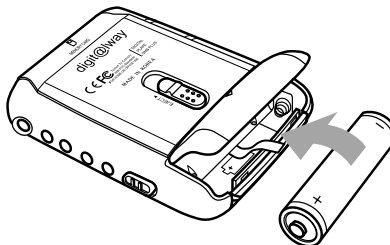
1.5V AA type Battery
(1EA)

INSERTING THE BATTERY

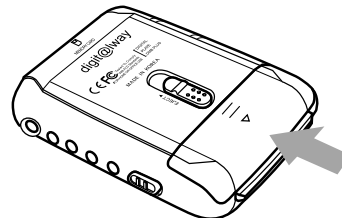
1. Slide the battery cover in the direction of the arrow.



2. Insert "AA" type battery with the correct polarity.



3. Close the cover and slide it as indicated until the battery cover latches.

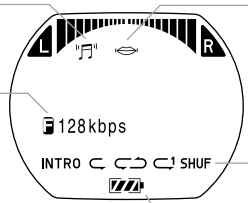


• You need one 1.5V AA type battery for your MPIO.


DISPLAY(LCD) PANEL

Battery

The indicator shows the amount of battery remaining as follows:



Playback Icon

EQ (Equalizer Mode) Icon
By selecting Equalizer menu, you will see 5 different Equalizer modes () displayed. (see page 25)

MP3 Record Icon


128 kbps

INTRO C C C SHUF

REP (Repeat Mode) Icon (see page 24)

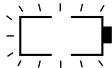
Battery Icon

The indicator shows the amount of battery remaining as follows:



4 6 8 12h

If the battery icon shows empty and starts blinking, it indicates the battery is almost gone. (About 3 minutes left before the battery needs to be replaced.)

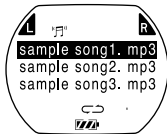


You can spend more electricity than usual while listening to the radio or recording files.

LISTENING TO THE MUSIC

1. Turn the MPIO on by pressing the PLAY button.

Press the PLAY /STOP button(⏮) again to play the first selection.



2. Select the file what you wish to listen to with Jog button.

⏮ : Forward
⏭ : Rewind



3. Adjust the volume by pressing the volume (+/-) to your desired level.



4. Press the PLAY/STOP(⏮) button to stop playing.

To turn your MPIO off, press and hold the (⏮) button for about 2 seconds.



- To select the files during the selection state
 - + : Press and hold to move backward within the current track.
 - : Press and hold to move forward within the current track.
 - ⏮ : Press and release to display next 3 tracks.
 - ⏭ : Press and release to display previous 3 tracks.

- The level of volume is 00-40/MAX.
- Only during the playback state, you can adjust the volume.

- If you do not press any buttons during in the selection state, MPIO will automatically turn off after 3 minutes.

INSTALLING SOFTWARE ON PC

Insert the Installation CD into the CD-ROM drive. The picture below will appear.



First, place the Installation CD into your CD-ROM drive. The installation will start with the initial page as you can see on the left side of this page.

- **MPIO Manager**

MPIO Manager is for transferring files between PC and the MPIO.

You can download MP3 files and others to your MPIO.

You can also upload any other files (except MP3 and WMA files) to your PC using this software.

- **Sample MP3**

You can enjoy 5 sample songs in MP3.

- **WWW**

You can get updated information and MPIO Manager from our website.

System Requirements

- Pentium 133MHz or faster
- CD-ROM drive
- USB port
- 20MB free hard disk space
- Windows 98/SE/ME/2000(PRO)/MAC OS (ver8.61~9.1)

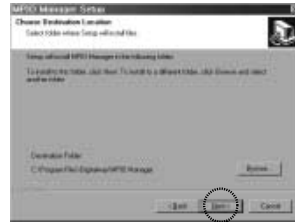
INSTALLING THE MPIO MANAGER

By pressing the 'Next' button you can install the MPIO Manager in order.

Welcome to the Install Shield Wizard for MPIO Manager. The Install Shield wizard will install MPIO Manager on your computer. To continue, click NEXT.



Set up will install MPIO Manager in the following folder (C:/ Program File/ Digitalway). To install to the folder, click NEXT!
To install to a different folder, click Browse and select another folder.





Click!

You can designate the directory of the icon folder. The icon will be created after the installation of the MPIO Manager. The MPIO Manager is basically placed just below the list of the folders shown in Existing Folders. Select the Existing Folders you desire and click the NEXT button to install the MPIO Manager.



It shows the process of the installation. MPIO Manager icon will be created with the selected drive directory on your Windows desktop after finishing the MPIO Manager software setup.

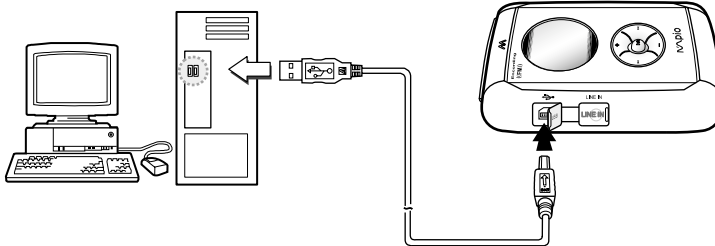
- The installation of MPIO Manager has been finished well.

CONNECTING THE MPIO TO PC

Before you download MP3 files into the MPIO, you must connect the MPIO to your PC using the supplied USB cable.

1. Connect the USB Cable to the USB port of the computer.

2. Turn the MPIO on and connect the USB Cable to your MPIO.



USB CONNECTED will appear on the LCD of the player.

Attention

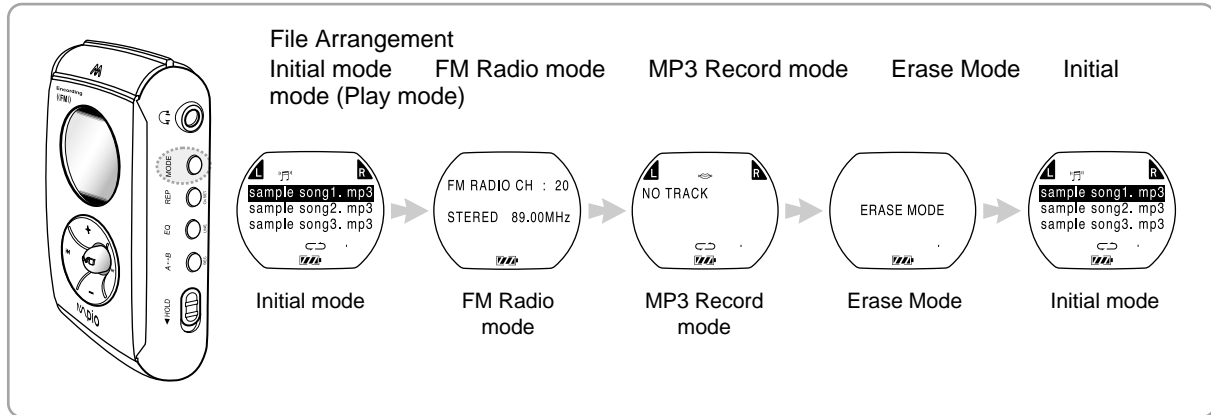
Please connect the USB Cable to your MPIO only when your MPIO is in the stop mode.

If you connect the USB Cable to your MPIO in the playing mode of your MPIO, the set can become wrong.

Please connect the USB Cable to your MPIO, only after your Stereo Cable is separated from the Line-In jack.

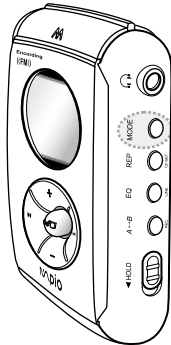
FUNCTIONS OF JOG BUTTON

By using Jog button, you can set the MPIO as you like.
Press Jog button and four different modes are displayed on the LCD.
Each mode has 'under mode'.

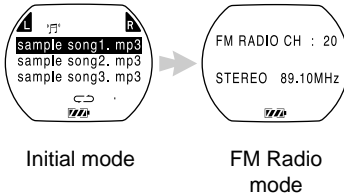


LISTENING TO THE FM RADIO

By using Jog button, you can listen to the FM Radio. You can also record the music files. Press Jog button and each of menu is displayed on LCD.



1. Selecting FM Radio mode by pressing Jog button on the initial page.



2. Changing FM Channel

Press ►► (Fast Forward) button shortly and the Frequency goes up by 0.05MHz.

Press ◀◀ (Rewind) button shortly and the Frequency goes down by 0.05MHz.



3. To select Automatic Seeking mode for FM Channel

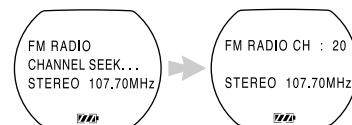
Press and hold **▶▶** (Fast Forward) button, and the frequency will go up and start seeking channel automatically.

Press and hold **◀◀** (Rewind) button, and the frequency will go down and start seeking channel automatically.



4. To stop Automatic Seeking mode

Press **⊖** button to stop Automatic Seeking mode.



Automatic Seeking mode can not find specific channel, according to the location where you listen to the radio.

5. To store FM Channels

Press ►► (Fast Forward) or ◀◀ (Rewind) button to select the channel you desire.

Press REP button to select Store mode. You can select the channel you want to store by using ►► (Fast Forward) or ◀◀ (Rewind) button.

Select "YES" by using button ◂ to store the selected channel.

Store the selected channel to the channel 01. You can store up to 20 channels.



6. To listen to the FM Radio

Press ►► (Fast Forward) or ◀◀ (Rewind) button to select the channel you want. You can also select the channel you stored.

Press Ⓜ button while listening to the FM Radio, and you can listen to the preset FM channel in order.





7. To adjust the volume, press the (+/-) button during the current playback.




8. To switch from STEREO to MONO mode, press EQ button. Your MPIO comes with pre-installed STEREO type.



9. Recording FM Radio

Press  (A ) button to record files during the play mode.




Press  (A/B/REC) button again to stop the recording.



The recorded files will be stored in the form of RADIO001.MP3, RADIO002.MP3, RADIO003.MP3..., in order.

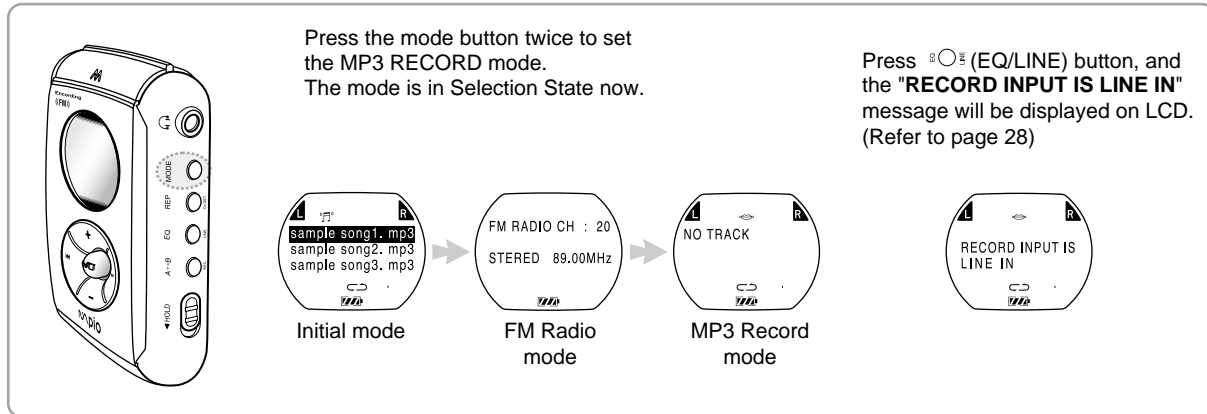


To listen to the recorded files, go back to the initial page (Standby Status) and select the desired files before pressing  (PLAY/STOP) button .

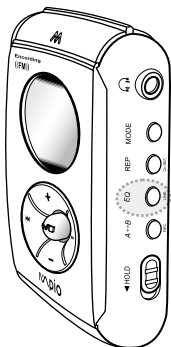



LISTENING TO THE VOICE RECORD ON PC

Set the mode from MPIO to MP3 RECORD first.




- If there is the 'FULL' message, you must delete MP3 Music file or Voice file to have sufficient memory space for voice recording. (Refer to page36)
- Voice recording is available only there is sufficient memory space in internal memory. You can not record your voice in external memory card (SMC).



Press  (EQ/LINE) button again, and the message **"RECORD INPUT IS MICROPHONE"** will be displayed on the LCD.





Press  (A/B/REC) button to start Voice Recording. When recording, you need to keep adequate distance.




MP3 Record mode



It indicates the play time of recording voice.

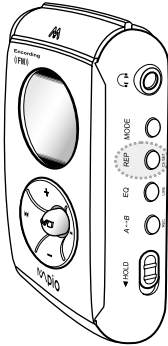
To stop the voice recording, press  (A /REC) button again. The recorded files will be stored in the form of VOICE001.MP3, VOICE002.MP3, VOICE003.MP3....

To listen to the recorded files Select the MP3 Record mode by click the Mode button twice in the initial page. And then choose the recorded files you desire before pressing  (PLAY/STOP) button.








REP(REPEAT) MODE

You can select REP mode in Play mode or MP3 REC mode.



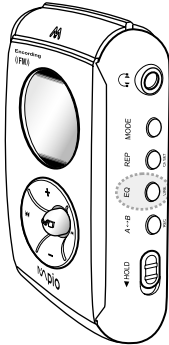
1. Press Repeat mode, and you can select 5 different functions mode as below.

ICON	Repeat mode			
INTRO	Intro	: Plays first 10 seconds for each of the file		INTRO
	Normal	: Plays all stored files one time in order		REPEAT ALL
	Repeat All	: Repeats all stored files		
	Repeat 1	: Repeats the current selected file		
SHUF	Shuffle	: Plays files in random order		

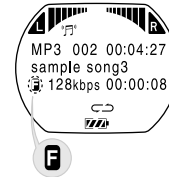
EQ(EQUALIZER) MODE

EQ mode can be selected in Play mode only.

1. Press EQ(Equalizer) mode to adjust the desired equalizer mode. There are 5 different EQ modes available as below:



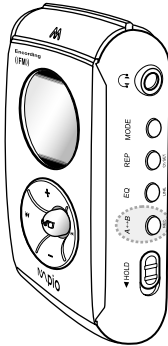
ICON	Equalizer mode
F	Flat : Normal balance
P	Pop : Balance suitable for pop music
R	Rock : Balance suitable for rock music
C	Classic : Balance suitable for classical music
B	X-Bass : Balance for strengthen bass



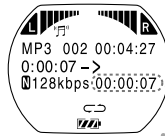
REPEAT SEGMENTATION MODE

Selecting Repeat Segmentation mode is available during the Play mode or MP3 REC mode.

You can listen to a specific section.

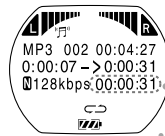


1. Make the music play and then press A + B button at the start point.
0:00:07 Repeat Segmentation starts.



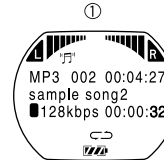
- It indicates the Time Counter.

2. Press A + B button again at the end point.
0:00:07 0:00:31 Segmentation is made.













- It indicates the repeated time of this function.

3. Press STOP button to stop Repeat Segmentation mode.
Press A + B button, and the current music file will be played.
Press STOP button to go back to the selection state.



BACK LIGHT MODE

To select the Backlight Mode, you must stop all works in the MPIO first.
Press  button and four different modes will be displayed on the LCD in order as follow:

1. Stop all the functions of the player first.

2. Press  button once to select the BACKLIGHT: 7 SEC mode.

3. Press  button twice to select the BACKLIGHT: 15 SEC mode.

4. Press  button three times to select the BACKLIGHT: OFF mode.

5. Press  button four times to select the BACKLIGHT: 3 SEC mode.


Your MPIO always will start with the backlight mode you selected last.

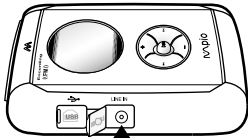
ON : Keeps the pre-installed 3 seconds backlight mode.

OFF : Keeps the backlight mode off.

MAKING MP3 FILES FROM AN AUDIO PLAYER

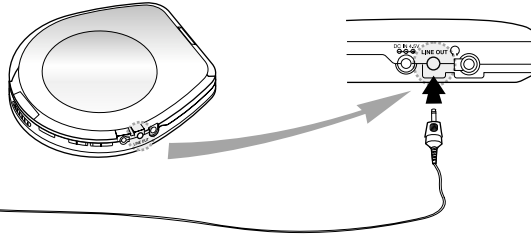
You can directly download desired files from an audio player such as CD or cassette player by connecting to the MPIO.

Open the rubber lid of LINE-IN Jack, and connect Stereo Cable provided with your MPIO.





Connect the other end of the Stereo Cable to the LINE-OUT Jack of an audio player.

If you don't have LINE-OUT Jack, connect to the Earphone Jack .



Turn the power of the MPIO on. Then double-click to select the Record mode.
Now it is in a selection state.

Press  (EQ/LINE) button, and the message RECORD INPUT IS LINE-IN will be displayed on the LCD.

Select your desired contents from the audio player before pressing the  (A/B/REC) button.




Record mode




Attention

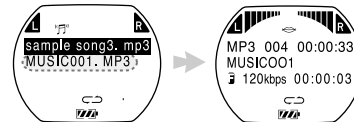
You can record files from audio device only during it is on the playback state.
If there is no signal from audio device within 5 seconds, the REC mode will be canceled automatically.

To cancel the REC Mode, press the  (A/B/REC) button again.

The recorded files will be stored in the form of MUSIC001.MP3, MUSIC002.MP3, MUSIC003.MP3..., in order.



To play the recorded files, select the desired file in selection state and press the  (PLAY/STOP) button.



FORMATTING INTERNAL MEMORY

Before formatting internal memory, turn the MPIO on and connect the MPIO to PC using the USB cable.

1. Execute the MPIO Manager.



- Double-click the icon of the MPIO Manager on the desktop.



2. Click [Memory] and select [Format Internal Memory].




- Before formatting the SMC(SmartMedia Card), connect your MPIO to PC. If the SMC is installed in the MPIO, you can also format SMC by selecting [Memory] and [Format Memory Card].

DOWNLOADING FILES TO THE MPIO

Before downloading files to your MPIO, turn the MPIO on and connect the MPIO to PC using the USB cable.

1. Execute the MPIO Manager.
Double-click the icon of the MPIO Manager on the desktop.



2. Click Connect icon  on the MPIO Manager.



3. Select File(s) to download to the MPIO.



4. Click Download icon



The selected file has been downloaded. Now you can listen to music with the MPIO after removing the USB cable.



Note

- Always check that 'USB CONNECTED' is displayed on the LCD of the MPIO before sending files.

- You can also select [File] and [Download Files to MPIO].

LISTENING TO THE MP3 FILE ON PC


Before executing the MPIO Manager, turn the MPIO on and connect the MPIO to PC using the USB cable.

1. Select the MP3 file stored in your MPIO.



2. Select the folder you want to store in your PC in order to copy the selected file.



3. Click UPLOAD button  . You can also select [FILE] → [UPLOAD FILE TO PC].



Attention

Under the copyright law, it is not allowed to send MP3 files to PC, except for MUSIC 00X. MP3/ VOICE 00X. MP3/ RADIO 00X. MP3 produced in your MPIO itself.

4. Execute the Windows Explorer
Double-Click the Windows Explorer on
your Windows desktop.



5. Select the recorded file
Open the folder in which the recorded file
stored and double-click the file.

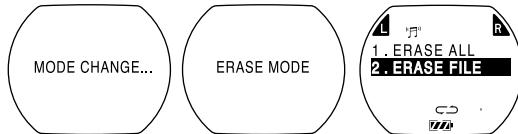


6. Play the recorded file
The recorded file starts to play automatically
in Windows Media Player.



ERASING FILES ON THE MPIO

1. Press the MODE button to select Erase mode.



2. After selecting 'ERASE FILE', choose the file you'd like to erase by pressing button. ▶▶ / ◀◀ / + / -



3. Press the ▶/■ button to erase file.



Note

Once the file erased from your MPIO, it cannot be restored.

ERASING FILES ON PC

Turn the MPIO on and connect your MPIO to PC and execute the MPIO Manager before erasing.

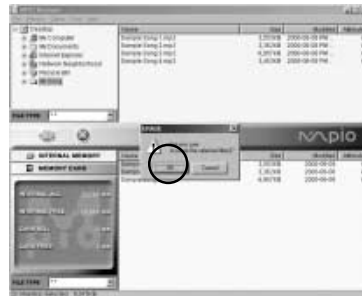
1. Click the file of the MPIO you would like to delete.



2. Click [File] and select [Erase Files in MPIO].



3. Click [OK].



You can also delete the file by pressing the right button on the mouse and selecting Erase.

ARRANGING THE PLAYBACK ORDER

Connect your MPIO to PC using the USB cable and execute the MPIO Manager.

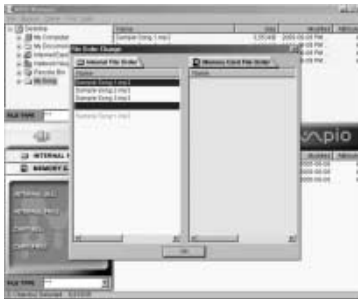
1. Execute the MPIO Manager.
Double-click the icon of the MPIO Manager on the desktop.



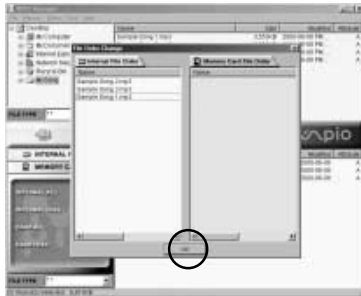
2. Click [File] and [Change File order in MPIO].



3. Arrange the files by dragging and dropping.



4. Click [OK] after moving files to the desired position.



5. The MPIIO Manager displays the file arrangement you made.



DOWNLOADING ADDITIONAL FONT TO THE MPIO

You can download the additional language font including English.
Formatting the internal memory can delete all existing files including font file.
Download the Additional font to the MPIO again.

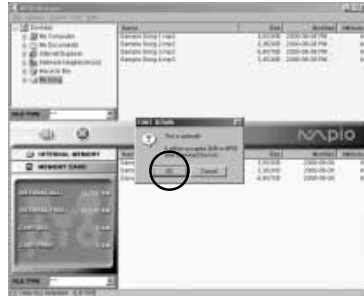
1. Execute the MPIO Manager.
Double-click the icon of the MPIO Manager on the desktop.



2. Click [Font] and [Download Font to MPIO].



3. Click [OK].



- Optional font file occupies about 2MB of the MPIO memory.
- Select [Font] and [Erase Font in MPIO], if you want to recover 2MB due to font download.

- Additional font supports following characters.
 - ① Korean
 - ② Japanese
 - ③ Chinese (Traditional)
 - ④ Chinese (Simplified)

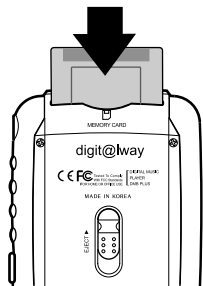
INSERTING THE SMC(SmartMedia Card)

You can store more music by using the SMC

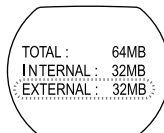
You have to turn the MPIO off before inserting or ejecting SMC from the MPIO.

Inserting SMC

1. Insert the SMC into the SMC Slot.

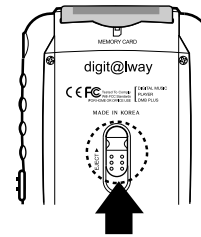


2. Capacity of the SMC will appear when the MPIO is turned on.



Ejecting SMC

Push the SMC Eject Switch upward.



- To send file to the MPIO, you must format the SMC before using it. (refer to page 32)

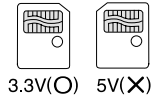
TROUBLESHOOTING

If you have problems with your MPIO, refer to this section first before calling for customer service.

1. The MPIO does not work or nothing is displayed on the LCD.
Check the capacity of the battery.
One 1.5V AA type battery is required.
Check the polarity(+ and -) of the battery.
2. The buttons are not working.
Check if the Hold Switch is locked.
While the Hold Switch is locked,the buttons do not work.
3. There is no sound when the / button is pressed in MP3 mode.
Check that MP3 files are stored in the internal memory.
Check the volume level.
4. MP3 files can not be downloaded.
Check the connection between the USB port of your PC and the USB cable.
5. MP3 files can not be downloaded.

Check and/or replace the new battery.
Check the connectin between the USB port of your PC and the USB cable.

6. SMC cannot be inserted into the MPIO.
Make sure you are using the correct SMC. Only 3.3V version cards will work on your MPIO.
5V version cards will not function correctly.



7. The files on the SMC can not be recognized.
MP3 files downloaded hardware from a different may not work on your MPIO.
Fomat the SMC and copy files again with the MPIO Manager.

SAFETY PRECAUTIONS

You must read to use the MPIO for a long time.

1. Do not drop your MPIO or leave it under heavy objects.
2. Do not allow any liquids to contact the MPIO
If this happens, wipe the MPIO with dry cloth.
3. Avoid areas of high humidity, strong magnetic fields, or sources of heat.
4. Do not use thinner, alcohol, or benzene when cleaning the MPIO.
5. To avoid damage to the MPIO, battery always must be taken out when not in use for a long time.

TECHNICAL SPECIFICATIONS

MPIO(DMB Plus)

Model	DMB Plus
Memory Capacity	Internal Memory 32/64/128MB
Battery	1.5V AA type (1ea)
LCD	FSTN-type 3line LCD, 128 x 48pixels
Dimensions (W x H x D) / Weight	62.6 x 87.4 x 21mm/ 71g (without battery)
Case	Aluminum, Plastic
File Transmission Speed	2.4 Mbps(Max.)
Memory Socket	SmartMedia Card(3.3V), SMC Format
Signal to Noise Ratio(S/N)	85dB
Earphone Output Power	10mW (R: 5mW, L: 5mW)
Output Frequency Range	20Hz~20KHz
Sampling Rate	16KHz~48KHz
Compressibility	32kbps~256kbps

WARRANTY

This MPIO brand product, as configured and distributed by Digitalway Co., Ltd. and delivered, in the original carton to the original consumer purchaser, is warranted by Digitalway against manufacturing defects in materials and workmanship for following limited warranty period: **One(1) year**

This limited warranty begins on the original date of purchase, and does include transportation, installation, removal, and reinstallation. Warranty repairs must be performed by Digitalway.

To receive warranty service, the original dated bill of sale must be presented upon request as proof of purchase to Digitalway. Transportation to Digitalway is the responsibility of the purchaser.

Digitalway will repair this product, at our option and at no charge, with new or reconditioned parts or will exchange the product with a reconditioned unit if found to be defective during the limited warranty period specified above. The product must be returned during the warranty period with transportation charges prepaid to Digitalway.

Prior to returning any product for warranty service, the purchaser must contact Digitalway for problem determination and service procedures.

It is the purchaser's responsibility to secure all programs and data contained in or affected by the product. Digitalway does not warrant uninterrupted or error-free operation of the product, and shall not be liable

for the loss or destruction of data or media resulting from the use or for service of this product.

All replaced parts and products become the property of Digitalway and must be returned to Digitalway.

Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever longer.

Digitalway's obligations respect to software products distributed by Digitalway under the Digitalway brand name are set forth in the applicable end user license agreement. Non-Digitalway hardware and software products are provided on an "AS IS" basis.

However, non-Digitalway manufacturers, suppliers, or publishers may provide their own warranties. This limited warranty covers manufacturing defects in materials and workmanship encountered in normal, noncommercial use of this product and shall not apply to the following, including, but not limited to: damage which occurs in shipment; applications and uses for which this product was not intended; failures or problems which are caused by products or equipment not supplied by Digitalway; accidents, misuse, abuse, neglect, misapplication, fire, water, lighting or other acts of nature; incorrect electrical line voltage, fluctuations or surges; damage caused by improper or faulty installation; improper connection with any peripheral; product alteration or modification; improper or unauthorized repair; cosmetic damage or exterior finish; product will

altered serial numbers; failure to follow operating instruction, costumer adjustment, maintenance and environment environmental instructions that are covered and prescribed in the instruction book;

Use of non-Digitalway or unauthorized parts, supplies, accessories or equipment that damage this product or result in service problems; failures or problems due to incompatibility with other equipment.

The purchaser is cautioned that product performance is affected by system configuration, software, applications, purchaser data and operator control of the system, among other factors.

The product is considered to be compatible with many system, however it is the purchaser's responsibility to determine the functional implementation. Therefore, suitability of the product for a specific purpose or application is not warranted by Digitalway.

There are no express warranties other than those listed and described above, and no warranties whether express or implied, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose, shall apply after the express warranty periods stated above, and no other express warranty of guaranty given by any person, firm or corporation with respect to this product shall be binding on Digitalway. Digitalway shall not be liable for loss of revenue of profits, or any other special, incidental or consequential damages caused by

the use, misuse or inability to use this product, regardless of the legal theory on such the claim is based. And even if Digitalway has been advised of the possibility of such damages.

Without limiting the foregoing, purchaser assumes all risk and liability for loss, damage or injury to purchaser and purchaser's property and to others and their property arising out of the use, misuse or inability to use this product sold by Digitalway not caused directly by the negligence of Digitalway.

This limited warranty shall not extend to anyone other than the original purchaser of this product, is nontransferable and states your exclusive remedy.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This product is for personal use only, are is only for use in compliance with the limitations of copyright and other laws.