

User's Guide

MP-F50
MP3 PLAYER

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Warning

To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

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Note that the contents of this manual are subject to change without any notice to improve the product's features. Please refer to the MPMan® URL for the updated information.
“<http://www.mpman.com>”

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Chapter 1

PREPARING BEFORE USE

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1. SYSTEM REQUIREMENTS

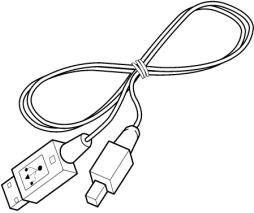
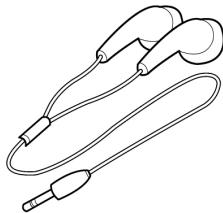
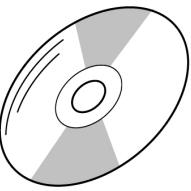
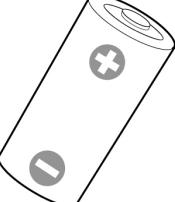
The MP-F50 manager software requires the following systems:

- Windows 98, Windows 98 Second Edition and Windows 2000*
- Pentium 200 MHz MMX or faster
- 1 available USB Port
- CD-ROM drive supporting digital audio extraction
- 15MB free hard-disk space (may vary depending on the size of the MP3 files you wish to use)
- 32MB RAM
- Sound card and speakers
- 16-bit color video card

* or use only PC systems in which Microsoft Windows 98, Windows Second Edition, or Windows 2000 has been preinstalled by the manufacturer

2. CONTENTS

The followings are supplied with this player. Check to be sure all the items are in the package.

- | | | |
|---|---|--|
| • Player | • USB cable | • Stereo earphone |
|  |  |  |
| • Installation CD-ROM | • User's guide, etc.- | • 1.5V AA battery |
|  |  |  |

3. PRECAUTIONS

The followings are precautions that you should always keep in mind. And violation of one or more of the following precautions may cause damage and will void the warranty.

To maintain good performance

- Void exposure to heat, moisture and static electricity.
- Do not use the player in places that are extremely hot, cold, dusty, or humid.
- In particular, do not keep the player in a high humidity area such as a bathroom, near a heater or in an area exposed to direct sunlight (e.g., inside a parked car). Be careful because it may become extremely hot.
- When you carry the battery in your pocket, do not have other metal objects such as coins or keys in the same pocket.
- Friction caused from the metal and the battery rubbing together may cause a fire.

Caution of impact

Do not drop the player or allow any sharp impact. This may cause serious damage to the player.

Note on listening with the headphones

- Listen at a moderate volume to avoid your hearing damage.
- Do not wear the headphones while driving or cycling. It may create a traffic hazard.
- Wear them properly; L is left and R is right.

CAUTION

Listening to the headphone stereo at full power for extended periods of time can result in hearing damage.

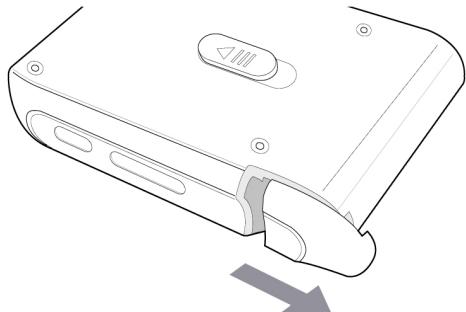
Chemicals

Do not use chemicals to clean the cabinet. This may change the color of the player or damage the surface. Use a soft towel to clean the surface of the player.

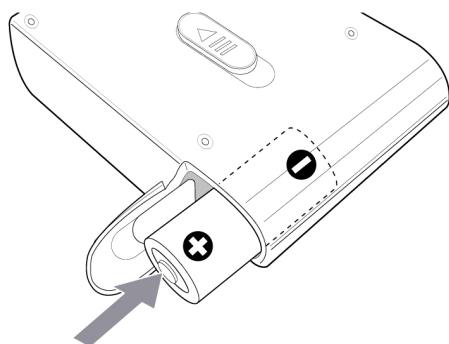
4. INSERTING A BATTERY

An alkaline battery is recommended for use with this player.

1. Open the cover of the battery compartment.

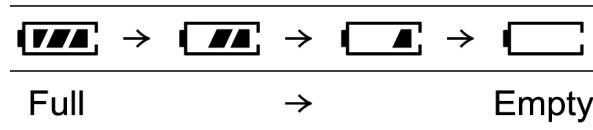


2. Insert a 1.5V (size AA) alkaline battery, paying close attention to the proper polarities (+ and -). Note: You may use any 1.5V AA size battery, but alkaline batteries tend to last longer. You can also use a rechargeable AA size 1.2V Ni-Ca or Ni-MH battery.



Battery Indicator

The battery indicator on the display changes depending on the remaining power of the battery.



Battery replacement

Replace the battery when  the battery indicator is empty.

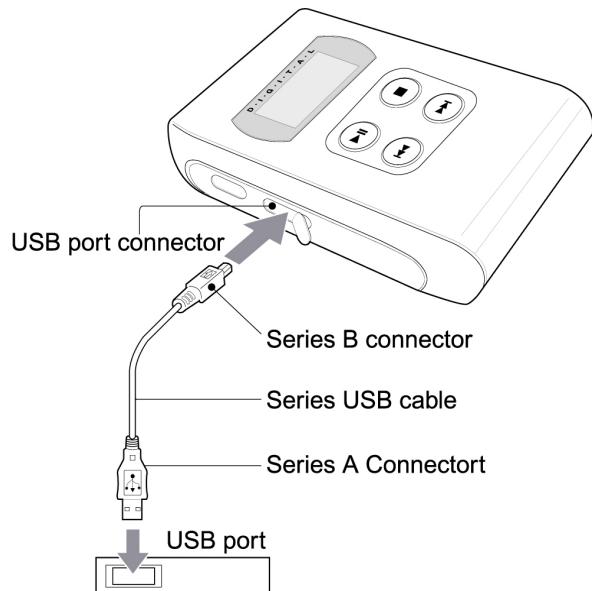
Note on dry cell battery

- Make sure that  and  marks are correctly aligned.
- To prevent the risk of electrolyte leakage or explosions, never recharge the battery, apply heat to it, or take it apart.
- When not using the battery, remove it to prevent needless battery wear.
- If the liquid leaks out from the battery, wipe thoroughly to remove.

5. CONNECTING THE PLAYER TO YOUR PC

Use the supplied USB cable to connect this player to your PC, as follows:

Connect the series B connector to the USB port connector of the player and the other plug to the USB port connector of your PC.



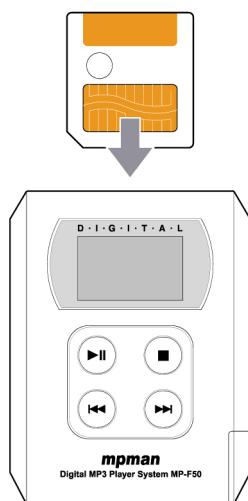
If a plug is already connected to the USB port connector of your PC, disconnect it before connecting this player.

Do not disconnect the USB plug during downloading or uploading the files to prevent the error of your PC.

6. SmartMedia CARD INSTALLATION

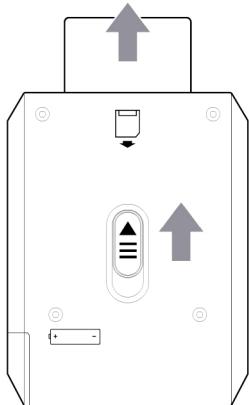
Before inserting a SmartMedia card, be sure to turn off the power of the player and disconnect the USB plug from the USB port connector.

Insert the SmartMedia card into the slot in the correct direction as follows.



To eject the SmartMedia card

Slide the EJECT switch as follows.



Note

- Insert the SmartMedia card completely into the slot. If it is not inserted completely, MP-F50 Manager will not recognize the data in the SmartMedia card.
- When using a SmartMedia card for the first time, initialize the SmartMedia card using the MP-F50 Manager software.
- The MP3 files in the SmartMedia card cannot be played back with other player by the security of copyright consideration. To use a SmartMedia card with other player, you need to initialize the SmartMedia card.

Use for data storage

With up to 64MB memory, including 32MB in the SmartMedia card, you can store not only MP3 files but also any data files such as doc, gif, bmp, wav, etc. files, as long as no files is larger than 32MB.

Chapter 2

SOFTWARE INSTALLATION

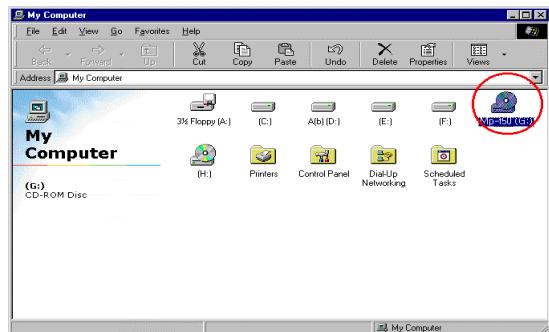
The MP-F50 Manager is communication software that allows your computer to share information with the player. In order for the player to work properly, the MP-F50 Manager software must be installed correctly under Windows 98 or Windows 2000.

1. INSTALLING THE MP-F50 MANAGER SOFTWARE
2. INSTALLING THE MP-F50 USB DRIVER
3. UNINSTALLING THE MP-F50 MANAGER SOFTWARE

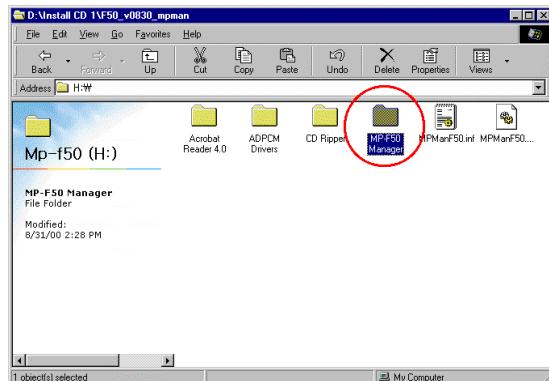
1. INSTALLING THE MP-F50 MANAGER SOFTWARE

Before installation, check your system if it matches to the system requirements described in the SYSTEM REQUIREMENTS in Chapter 1 and quit all application software in use.

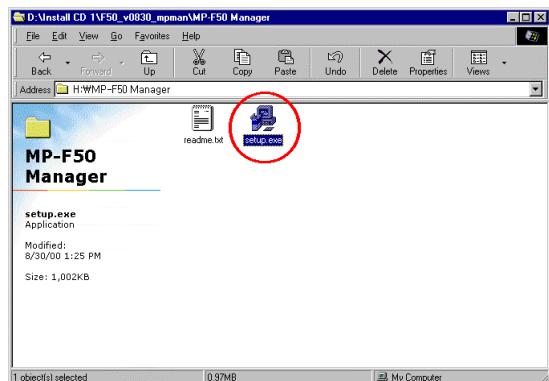
1. Insert the installation CD into your CD-ROM drive.
2. Double-click the CD-ROM driver icon to open it.



3. Double-click on the MP-F50 Manager folder to open it.



4. The setup file for the MP-F50 Manager software is setup. Double-click on setup to start installation of the MP-F50 Manager software



- ① In the Welcome! Dialog box, click on the Next button to continue software installation.
- ② If you wish to change the destination folder to a folder other than the default folder shown in the dialog box, click on the Browse button to select the folder to which you wish to copy the MP-F50 Manager software files.
Next, click on the Next button to continue installation.
- ③ You can click on the Back button to reconfigure the installation information. To continue installation, click on the Next button to start copying the necessary files into the installation folder.
- ④ Wait until files for the MP-F50 Manager software are copied.

- ⑤ Now, click on the Finish button. This completes MP-F50 Manager software setup.
- ⑥ The MP-F50 Manager will be created on the /Start/Programs/MP-F50 Manager menu on the Windows menu bar, and the MP-F50 Manager icon will be created on your Windows desktop.
- ⑦ You can start MP-F50 Manager by either clicking on the MP-F50 Manager icon or clicking on the MP-F50 Manager in the Start menu.

2. INSTALLING THE MP-F50 USB DRIVER

If the MP-F50 USB driver is not installed into your PC, you cannot download the MP3 files to the player.

To install the MP-F50 USB driver, connect the player with the supplied USB cable and insert the supplied CD-ROM into the CD-ROM drive of your PC.

1. Click "Next" on the "Add New Hardware Wizard".
2. Select "Search for best driver for your device" clicking the button of upper side and click "Next".
3. Check CD-ROM drive and click "Next".
4. Click "Next" according to the message.
5. After installation of the USB driver for MP-F50, click "Finish".

3. UNINSTALLING THE MP-F50 MANAGER SOFTWARE

To uninstall the MP-F50 Manager software, choose the /Start/Programs/MP-F50 Manager/Uninstall item from the Windows menu bar. This will remove all MP-F50 files and the MP-F50 folder.

Chapter 3

SOFTWARE OPERATION

The MP-F50 Manager is software that interacts with the player and a PC. MP3 files and data files can be downloaded to this player. However, you can upload only data files or recorded voice files to the PC.

1. OPENING THE MP-F50 MANAGER
2. PREPARING MP3 FILES
3. OPERATING THE MP-F50 MANAGER

1. OPENING MP-F50 MANAGER

Before you begin, make sure the player is properly connected to the USB port of the PC and the MP-F50 Manager software has been properly installed.

Double-click on the MP-F50 Manager icon on the Windows desktop or choose the MP-F50 Manager from the Start menu to activate the program.



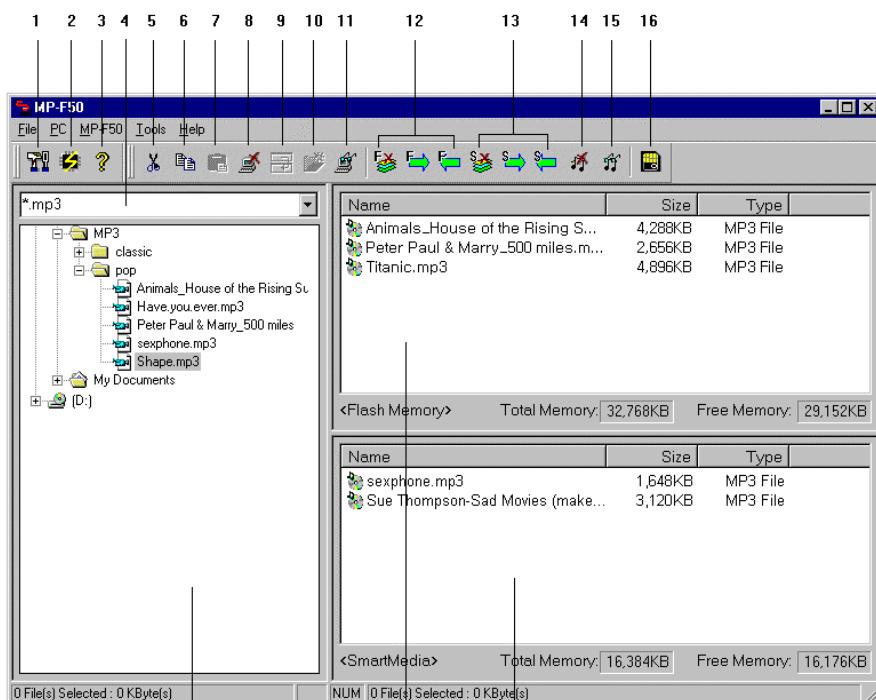
1. PREPARING MP3 FILES

Before operating the MP-F50 Manager, prepare your MP3 file on your PC.

On the supplied Installation CD, you can find MusicMatch in the "/CD Ripper/MusicMatch Jukebox" folder. You can convert your audio CD data to MP3 data using the MusicMatch.

After preparing an MP3 file on your PC, download the MP3 file to the player to play back the MP3 files with the player.

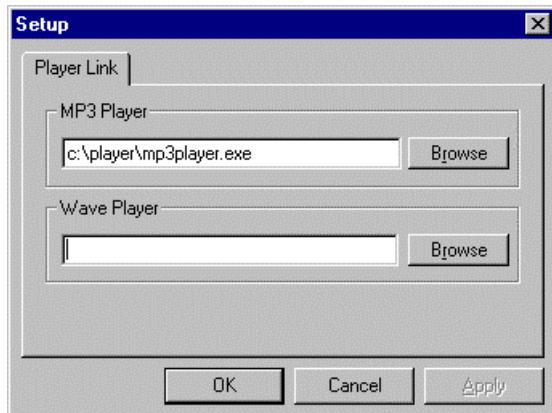
2. OPERATING THE MP-F50 MANAGER



1. Option button

The Option button brings up the Setup menu that allows you to specify the path for an MP3 software player on your PC. You can also access the Setup dialog box from the Tools/Option menu.

Click the Browse button and select your preferred MP3 player, then click OK.



2. Firmware button

You may not need to use the button for usual operation. This button has a function for reprogramming the firmware. MPMan.com, Inc. or its OEM partners will provide the updated firmware and the usage information for this button when it is required.

3. About button

Clicking on this button will display the version of the MP-F50 Manager and its copyright information.

4. List of file type box

The default file argument *.mp3 can be used to display the MP3 files in the current folder. Select the file type argument *.wav to display WAV files. Select the file type argument *.* to display all types of files.

5-9 Cut, Copy, Paste, Delete, and Rename buttons

These buttons work the same as those of Microsoft Windows Explorer. You can cut, copy, paste, delete, rename or move the files you select in the display list box (local display list box) of the PC. However, folders will not be moved or copied.

If you wish to copy some files to a folder, select the files and drag and drop them while holding the Ctrl key pressed.

10. New Folder button

A new folder under the selected folder in the local display list box will be created.

11. Update button on the local display list box

If the information in the local display list box has been changed, click the Update button to refresh the local display list box.

12. Initialize, Download, and Upload buttons (Flash Memory – internal memory)

Initialize button

This will initialize the Flash Memory in the player. All files stored in Flash Memory will be erased. You may need to initialize Flash Memory when for some reason the player is not being recognized by the MP-F50 Manager software.

Send to MP-F50 (Download) button

To copy MP3 files and data files from your PC to the player, drag and drop or click the Send to MP-F50 (Download) button. Using the mouse, just select the files you wish to download to the player. Then, drag and drop them into the display list box of Flash Memory.

Note

The file name of "xxx.mp3" will be changed to "xxx.mpm" after downloading.

Send to PC (Upload) button

You can also copy data files from the player to the selected folder on your PC. If you use the Send to PC (Upload) button to copy them onto your PC, you must select one folder as a destination. The MP3 files stored in the player cannot be copied onto your PC.

Note

- MP-F50 Manager will not allow you to upload MP3 files from the player to your PC because of copyright considerations. Only data files can be uploaded to your PC.
- If the player is turned off during a copy process on purpose or because of insufficient battery power, the transferred data might be corrupted. You might need to initialize the player.

Caution

Before you copy a data file onto your PC, be sure to rename the file. If a file with the same filename already exists when you copy the files, the previous copied file will be erased automatically and the file will be replaced with a new one.

13. Initialize , Download , and Upload buttons (SmartMedia card)

These buttons operate as described in section 12.

If you insert a new SmartMedia card, you must initialize the SmartMedia card by clicking on the Initialize button.

Note

- You cannot copy any MP3 files from the player to your PC.

- The file name of “xxx.mp3” will be changed to “xxx.mpm” after downloading.
- The MP3 files in the SmartMedia card cannot be played back with others.

14. Delete button

A selected file in either Flash Memory or SmartMedia card will be highlighted in blue. Just click on the Delete button to remove a file highlighted in blue.

15. Updated button (Flash Memory)

If the information in the display list box has been changed, click on the Update button to refresh the Flash memory display list box.

16. SmartMedia card format button

If you use the SmartMedia card formatted by MP-F50 Manager with a digital camera or other players, click this button to format.

17. Local Display list box

This list box shows the files stored on your PC, such as the MP3 files and data files that you want to copy to the player. The default file type argument *.mp3 will display only MP3 files in the current folder. You may also select the file type argument *.* to display all files or specify a type of file to be displayed.

To select multiple files

- While holding the Ctrl key on the keyboard pressed, click on the desired files. If you click on a highlighted file, the file will be unselected.
- If you click on a file while holding the Shift key pressed, the files between the first click and the release of the mouse button will be highlighted.
- The total size of the selected files in the local display list box will be displayed below the list box.

18. Flash Memory Display list box

The upper right list box of MP-F50 Manager is the Flash Memory display list box.

All files in Flash Memory (built-in memory) of the player will be displayed in this list box.

The sizes of total and available memory in the player are displayed in kilobytes below the list box.

19. SmartMedia card Display list box

The lower right list box of MP-F50 Manager is the SmartMedia card display list box.

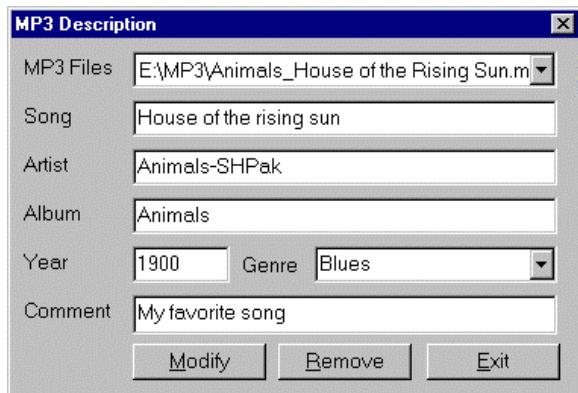
All files in the SmartMedia card will be displayed in this list box.

MP3 file Information

You may modify file descriptions (ID3 tags) for any MP3 files selected in the local display list box. ID3 tag information can be changed by selecting the MP3 Info from the menu. Clicking on the Modify button will replace the ID3 tag information of the selected MP3 file with

ID3 tag information you have input.

Clicking on the Modify button to update the ID3 tag information after making a change. Otherwise, the information does not change even if you have input new data.



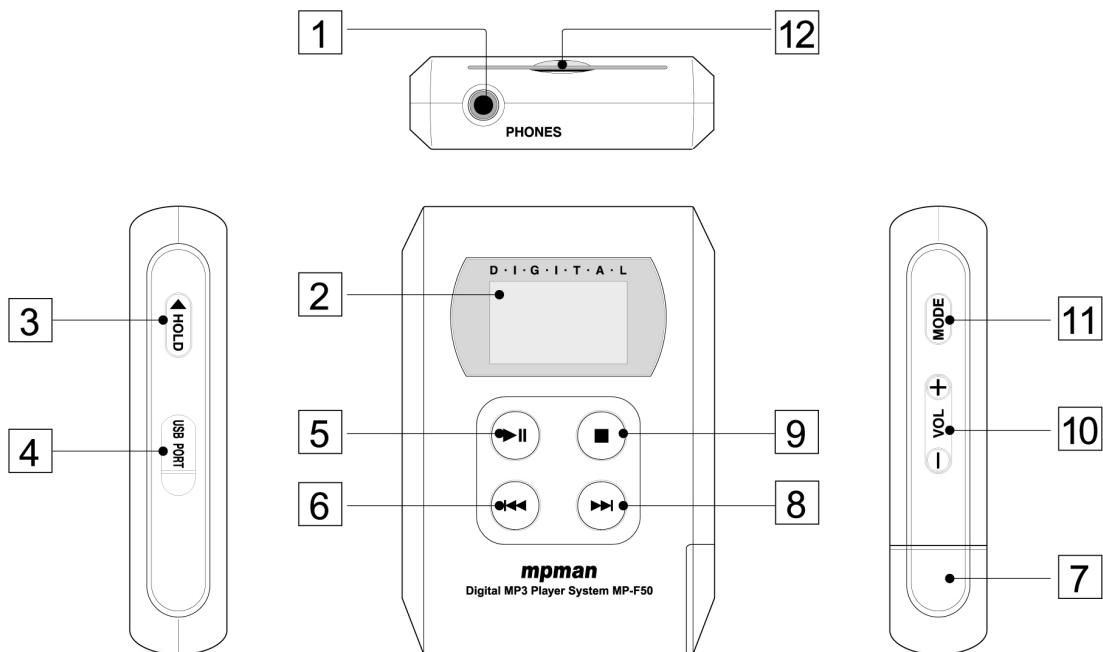
Chapter 4

PLAYER OPERATION

This chapter provides an overview of the display and operation of the player.

1. PLAYER OVERVIEW
2. DISPLAY OVERVIEW
3. PLAYER OPERATION

1. PLAYER OVERVIEW



1. Earphone jack

Connect the supplied earphone.

2. Display window

3. HOLD switch

Release before activating other buttons. When not in use, set it to the HOLD position to prevent unintentional operation.

4. USB port connector

Connect the Series B connector of the supplied USB cable to connect the player to your PC.

5. POWER ON button (►||)

Keep pressed for 1 second to turn on the power.

Press to start playback of an MP3.

Press during playback to pause, and press again to resume.

6. PREVIOUS button (◀◀)

Press to go back to the beginning of the current track or previous track.

Keep pressed during playback to search for a desired point.

7. Battery Compartment

Insert a 1.5V (size AA) alkaline battery or a rechargeable AA size 1.2V Ni-Ca or Ni-MH battery.

8. NEXT button (▶▶)

Press to skip to the beginning of the next or succeeding track.

Keep pressed during playback to search for a desired point.

9. POWER OFF button (■)

Press to stop playback stop.

Keep pressed for 1 second to turn off the power.

10. VOLUME button

Press to adjust the volume.

11. REPEAT/EQUALIZER MODE button

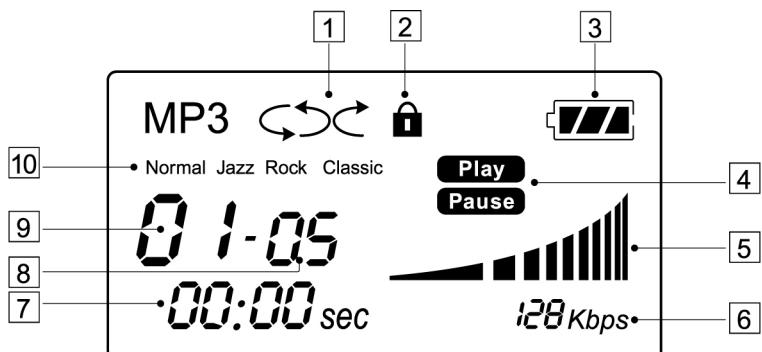
Keep this button pressed for 1 second to toggle Repeat and Equalizer mode.

Press repeatedly to select the playback repeat mode or the preset equalizer.

12. SmartMedia card slot

Insert your SmartMedia card (16MB, 32MB, or 64MB) into this slot.

2. PLAYER OVERVIEW



1. Playback repeat mode icon

This indicates the selected playback repeat mode.

(No Icon)

Normal

Plays all stored MP3 songs in order.

Then stops after the last song.

Plays the current song over and over.

↻

Repeat

Plays all stored MP3 songs over and over in order.

↪↪

Repeat All

Plays all stored MP3 songs in random order.

↪↪↪

Random

Plays all stored MP3 songs in random order. Then repeats over and over.

↪↪↪↪

Random Repeat All

2. Hold icon

This indicates that the HOLD switch is set to the HOLD position.

3. Battery indicator

This displays the remaining battery power.

4. Status

This box shows information on the current status of play and pause.

5. Volume icon

This indicates the volume level.

6. **Bitrate icon**

The bitrate of the current MP3 file is displayed.

7. **Elapsed playback time**

This indicates the elapsed time in minutes and seconds separated by a colon of the track currently being played.

8. **Total number of tracks**

This indicates the total number of MP3 files.

9. **Current track number**

This indicates the file number of the current MP3 file.

10. **Equalizer icon**

Normal – Normal sound setting

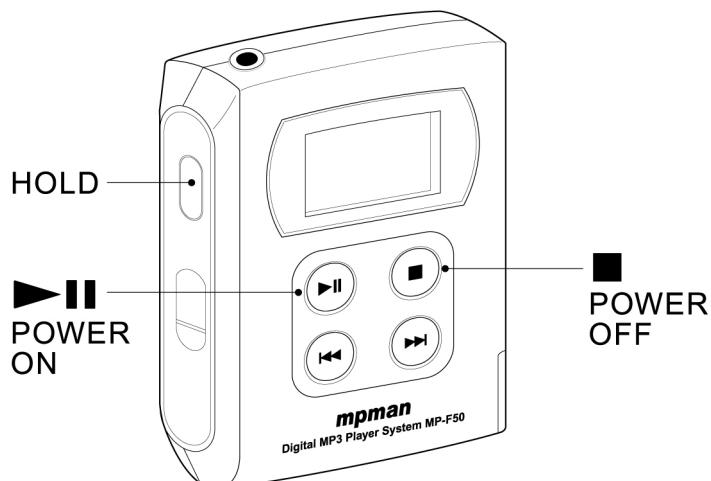
Jazz – Optimized sound setting for Jazz music

Rock – Optimized sound setting for Rock music

Classic – Optimized sound setting for Classic music

3. PLAYER OPERATION

Turning the power on and off



First, release the HOLD switch to activate the buttons of the player.

Press the **►|| POWER ON** button to turn on the player.

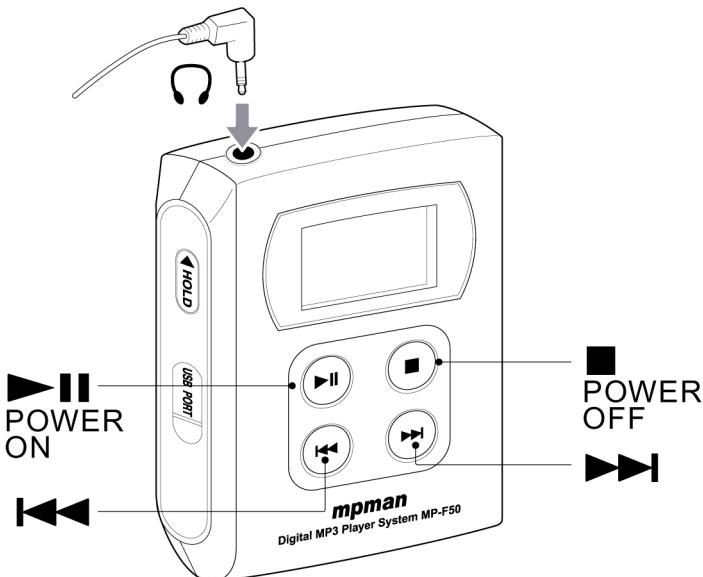
On the Stop state, the power will be turned off automatically after **about 30 seconds** (Auto Power Off function).

If the HOLD switch is on, the power will be turned off automatically **after 4 minutes**.

To turn off the power before the Auto Power Off function turns off the power, keep the

■ POWER OFF button pressed for 1 second.

MP3 playback



1. Connect the supplied earphone plug to the earphone jack of the player.
2. Press the button to start playback.
Playback starts from the MP3 file that you played last time.
3. Adjust the volume.

Press the or button to change the track number.
To stop playback, press the POWER OFF button.

To select a preset equalizer

Press the MODE button repeatedly to select a desired equalizer mode.
(If the Playback Repeat mode is selected, press and hold the MODE button for more than 1 second.)

Normal – Normal sound setting

Jazz – Optimized sound setting for Jazz music

Rock – Optimized sound setting for Rock music

Classic – Optimized sound setting for Classic music

To select other Playback Repeat modes

Press the MODE button repeatedly to select a playback mode of the followings. Each time the button is pressed, the playback mode changes in the following order.
(If the Equalize mode is selected, press and hold the MODE button for more than 1 second.)

Normal - Plays all stored MP3 songs in order, then stops after the last song.

Repeat - Plays the current song over and over.

Repeat All - Plays all stored MP3 songs over and over in order.

Random - Plays all stored MP3 songs in random order.

Random Repeat All

- Plays all stored MP3 songs in random order, then repeats over and over.

Chapter 5

APPENDIX

1. SPECIFICATIONS
2. FAQ AND TROUBLESHOOTING GUIDE

1. SPECIFICATIONS

Storage media	Built-in 32 MB Flash Memory SmartMedia card slot for a removable 16MB, 32MB or 64MB SmartMedia card
Maximum output level	5mW + 5mW (16 ohms)
Frequency range	20 Hz – 20 kHz
Load impedance	16 ohms
Distortion rate	0.35% or less
S/N ratio	85dB
Power supply	DC 1.5V using a size AA alkaline battery or a rechargeable AA size 1.2V Ni-Ca or Ni-MH battery
Battery life	Approximately 10 hours using a alkaline battery.
Display	Graphic type LCD
PC interface	USB cable
Dimensions	58mm (W) x 83mm (H) x 18mm (D)
Weight	Approximately 63g excluding battery
Accessories	USB cable (1) Installation CD-ROM (1) Stereo earphones (1)

* The specifications and external appearance of the player are subject to change without notice.

2. FAQ AND TROUBLESHOOTING GUIDE

If the player fails to perform as described in these operating instructions, check the following:

The buttons are not functioning

- Check to see if the battery is installed properly. Check the + and – marks of the battery.
- Check to see if the battery wears out. You may need to replace the battery.
- Check to see if the HOLD switch is set to the HOLD position.
- Check to see if the memory status is all right. Initialize the player using MP-F50 Manager.
- Try reinstalling the battery. Sometimes you will need to reinstall the battery. This will reinitialize the player.

Unable to download data

- Check to be sure the USB cable is properly connected to your PC and the player.
- Check that the USB driver is installed. If it is not installed, install the USB driver.
- Check to be sure there is sufficient available memory. Click on the Update button to check the remaining memory capacity and check the size of the files stored in the player.

Lost data

Occasionally some parts of a data stream may be damaged owing to instability of power while downloading files. In such a case, initialize the memory in the player using the MP-F50 Manager.

MPMan.com, Inc. and its OEM partners will not be responsible for lost or damaged data downloaded to your MP-F50 Manager.

We recommend you to back up your data in a safe place such as on your hard drive or a floppy diskette.

Exiting the MP-F50 Manager

Close the MP-F50 Manager before unplugging the USB cable from the player.

Cassette adaptors

You may use a cassette adaptor for a car stereo system to listen to the sound on your car audio system. Connect the plug of the cassette adaptor with the earphone jack of the player and insert the cassette adaptor in the car stereo player.

How do I expand the memory?

The 32MB Flash Memory is already built into the player. You may expand the memory by inserting a SmartMedia card which is commercially available.

Is there a standard volume level for the MP3 files?

The volume level of MP3 files (encoded data of audio CD) depends on software for encoding.

How is the available memory size on the manager software displayed?

A memory chip on the player is composed of blocks, each of which can be 8KB or 16KB depending on the Flash Memory type. A whole block will be used even if you try to store a one-byte file. Thus, even though some selected files in the local list box show less than the available memory size of this model, you may not be able to download such files to the player.

How many minutes of MP3 files can this player hold?

It depends on the memory size of the player. A player with 64MB of memory can hold approximately 60 minutes of the near CD quality sound MP3 files.

An MP3 file is not displayed on the Flash Memory display or in the SmartMedia card display list box even if it is downloaded.

If you had no problem communicating with the player previously, it may happen that the player could not be recognized by the MP-F50 Manager software. In this case, initialize the Flash Memory or SmartMedia card of the player by clicking on the Initialize button.

You may also try unplugged and then reconnect the cable.

Player is not recognized by the PC.

If MP-F50 Manager does not recognize the player, refer to the following:

- First, check if the USB cable is connected properly, or if the player is on.
- Check that the MP-F50 USB driver is installed. If it is not installed, install the MP-F50 USB driver.
- If the player is connected to the USB hub, disconnect the player and connect to an available USB port on your PC directly.
- If you have upgraded your PC from Windows 95 to Windows 98, the USB port of your PC has no capability to control devices other than USB keyboard and mouse. In this case, you may upgrade the BIOS of your PC. Contact the manufacturer of your PC to get the information about the BIOS. In this case, however, the player may not work with your PC due to your PC hardware limitation.

For more information about MP-F50, please refer to the following URL:

<http://www.mpman.com>