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Introduction

Thank you for purchasing the Yamakawa MR-240 portable MP3 player!
With this MP3 player you can enjoy digital music in a more convenient way. You can directly encode your music from any audio source and record your voice into MP3 quality, all of this without the use of a computer. You can high quality one-touch voice-recording feature you can record lectures, interviews or meetings in MP3 quality.

The MP3 player is compact in size, light in weight and highly functional. Begin to enjoy the various features of your player by following this user manual.

To familiarize yourself with your player, here are some function highlights:

- Built-in USB jack
- Direct line-in encoding to MP3 or voice format
- 128MB, 256MB, or 512MB internal memory, depending on version of
- the player
- MP3, WMA, and ADPCM playback
- 30 FM radio preset channels (Enhanced Feature!)
- FM recording in MP3 quality
- High quality voice recording from built-in microphone
- Voice message recording in MP3 or voice format
- Various MP3 recording bit rates (48kbps, 96kbps, 128kbps)
- Supports ID3 tagging
- Mass Storage
- Firmware upgrades available
- A-B looping support
- 5 equalizers
- Sleep preset

Introduction

Copyright Notice

You must be aware that distribution of MP3 files without the permission from the content owner is against the copyright laws. Perception Digital Ltd. and its associating companies will not be liable against such actions.

Safety information

The user manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifcations not expressly by the party responsible for compliance could void the user 担 authority to operate the equipment.

Modifications not authorized by the manufacturer may void users authority to operate this device.

This equipment has been tested and found to comply with limits for class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference

to radio communications. However, there are no guarantees that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:



Reorient or relocate the receiving antenna
Increase the separation between the equipment and receiver
Connect the equipment into an outlet on a circuit different from
that to which the receiver is connected.
Consult the dealer or an experienced radio / TV technician for help.
Keep in mind, modifications not authorized by the manufacturer
may void users authority to operate this device.

If the product suddenly has no response or power off, it may be caused by electrostatic discharge. If this circumstance, please follow the procedures below for recovery:

Switch off the unit, if the unit has no response
Turn on the unit again

Introduction

Precautions



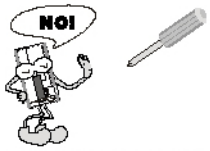
Do not abuse your MP3 player by using extreme force.



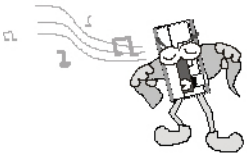
Avoid keeping or operating the unit in places with strong magnetic field, direct sunlight, or heat exposure for extended periods of time.



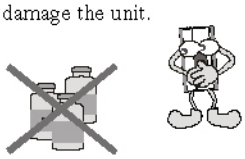
Keep the unit away from high humidity.



Do not open the MP3 player, as doing so will damage the unit.

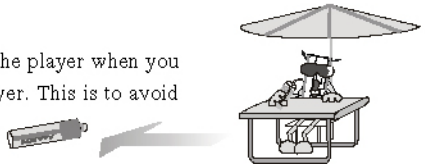


Use a soft towel to clean the surface of your player.

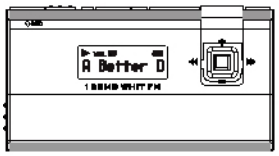


Keep the player away from chemicals.

Remove the battery from the player when you are not using the MP3 player. This is to avoid needless battery wear.



In the Package



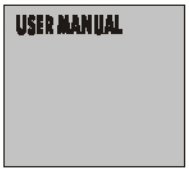
Main Unit



Stereo Earphones



USB Extension Cord



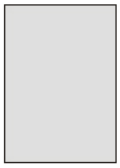
User Manual



Neck String



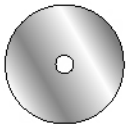
Battery



Warranty Card (Optional)



Line-in Cable



CD-ROM (optional)

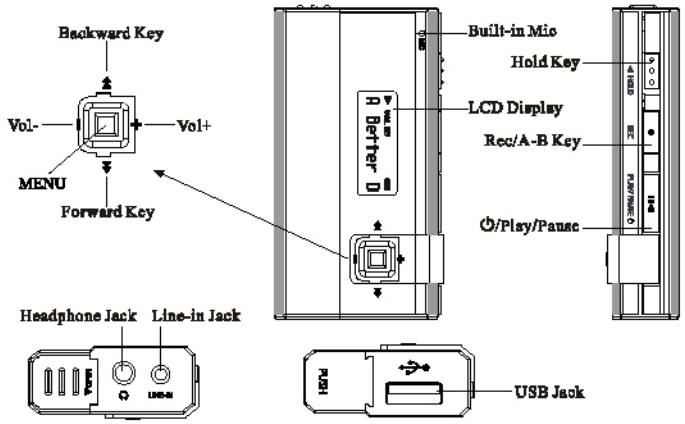
Specifications

Size (HxWxD)	70x37x15mm
Net Weight	34g (without battery)
Internal Flash Memory	128MB, 256MB or 512MB (depending on product version)
Power Supply	1x AAA alkaline battery
PC Interface	USB
Radio Function	FM with auto scan and 30 preset channels
Digital Music Format	
Playback	MP3, WMA, all bit rates including VBR
Record	MP3 (48,96,128kbps in 44.1kHz from line-in, FM or internal mic)
Digital Voice Format	ADPCM (32kbps)
Built-in Microphone	Electric condenser microphone
Signal to Noise Ratio	>90dB
Frequency Range	20Hz - 20kHz
Battery Life	12 hours or more
Equalizer	Jazz, Rock, Classic, Pop, User Default
Play Mode	Normal, Repeat one, Repeat all, Shuffle, Repeat Shuffle

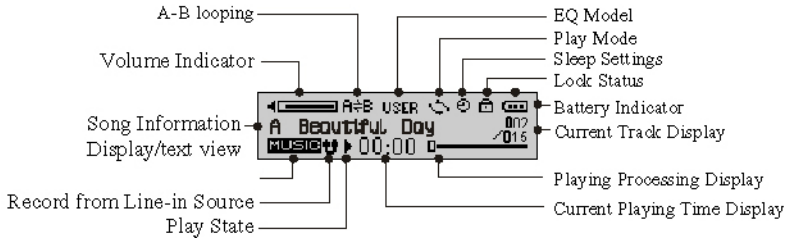
All specifications are subject to change without notice.

Knowing your Portable MP3 Player

Name of parts



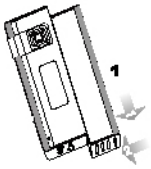
LCD: Display Window



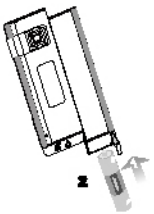
Knowing your Portable MP3 Player

A-B Looping	This special feature enables you to learn a language, repeat a voice recording or repeat your favorite section or the song.
Battery level indicator	Shows how much longer the battery can be used, level decreases as battery is used.

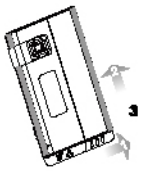
Inserting battery



Open the battery door according to this direction

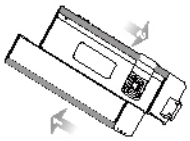


Put the battery into the compartment. Pay attention to the polarity.

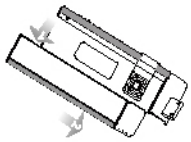


Close the battery door.

Using the slide Jack



Sliding out the USB Jack
1. Push the battery room according to the arrow 1
2. Push the main housing according to the arrow 2



Sliding back the USB Jack
1. Hold the USB lock behind the main housing
2. Push the battery room according the arrow 2

Knowing your Portable MP3 Player

Turn on MP3 player
Press and hold ⏯

Make sure the HOLD button is switched off. If not, “LOCKED”will be displayed.

Turn off MP3 player
Press and hold ⏯ (except when your player is connected to a PC)

System Requirement

Your PC must have the following minimum specifications:
Windows98 SE, 2000, XP or upper
Pentium II 200
64MB RAM
500MB Hard disk space
CD-ROM drive
USB 1.1

The MP3 player is installed as a mass storage device. The driver installation is not essential unless your PC is running Windows 98/SE.

Multiple Language Support
When the player is in stop mode, pressing the Vol+ and Vol- buttons will change the song name display language. By using these buttons you can convert the song titles through a series of different languages listed below:
Western European Language
Korean (Hangeul)
Japanese (Hiragana, Katakana and Kanzi)
Chinese Traditional
Chinese Simplified

Mass Storage PC Connection

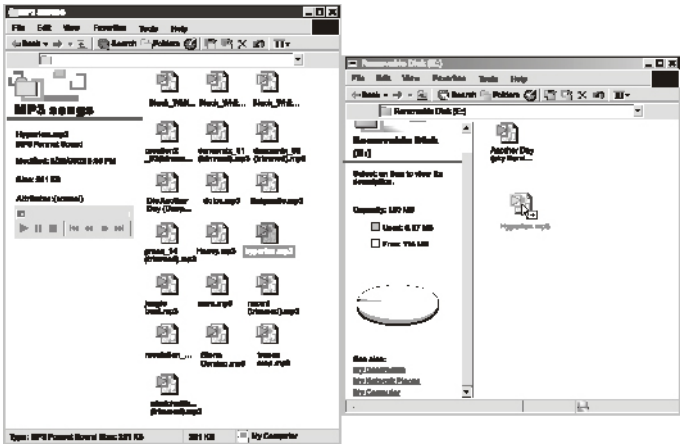
Mass Storage PC Connection

This is a mass storage device. No driver installation is required except Windows 98 SE. For Windows 98 SE users, please download the driver from www.perceptiondigital.com. Locate the downloaded driver file (setup.exe) on your hard drive and double click the driver file (setup.exe). Follow on-screen prompts to complete the driver installation process.
(For Windows 98 SE users, you can use the Windows 98 SE driver CD if your retailer has bundled it in the package)

Transfer files from PC to player:

1. Switch on the player and connect it securely to the PC with the USB cable.
2. Double click on "My Computer" on the desktop of windows, there will be an additional drive created.
3. If the player is connected to your PC, you will see "USB Connected" on the player's screen.
4. To download music files to your MP3 player, simply drag the files from the Windows File Explorer and drop them to the newly opened drive. You can also upload files from the player to the PC by doing the reverse.

Mass Storage PC Connection



CAUTION:
ONLY UNPLUG THE USB CABLE WHEN ALL DOWNLOAD PROCEDURES ARE COMPLETED.
Do not unplug the USB cable when the LCD is still displaying “USB writing”as doing so may corrupt the files stored in the player and you will need to re-format the MP3 player. If the player encounters abnormal interruption during recording such as battery removal, you may also need to re-format it.

Mass Storage PC Connection

Add on functions:

1. The MP3 player can also be used as an external drive for storage of non-music Files.
2. The MP3 player is compatiable with Music Match.You can directly rip your audio CDs to WMA or MP3 format using Music Match software and directly download to the player.

* Our MP3 player does not support WAV files downloaded or created by user. It only supports WAV files recording direct from the MP3 player.

How to format the player?

The purpose of re-formatting the player is to try to restore the player to normal operation. This is for when the player is not able to function properly or in cases where you player is unable to power on. Keep in mind, that the content of the player will be removed once being formatted.

1. Connect the player to the PC.
2. Right click the additional drive and click Format.
3. Click "Yes" to confirm.

The player only supports FAT / FAT16 file system. Do not format it by FAT32.

Firmware Upgrader

You should check your vendor's website for new firmware upgrades, these developments provide add-on functions and language support options. Upgrades are announced on the web site and users can then download the software from the download section at www.yamakawa.de

Detailed Operating Controls

Selecting Modes

The MP3 player has three operation modes: MUSIC, FM and VOICE
Hold the ☐ control for the selection of "MUSIC", " FM"or "VOICE" mode. Select the mode required by using the ⏩ or the ⏪ control and enter by pressing ☐

Playing Music or Voice Files

1. PLAY/STOP

Navigate the MP3 player into music or voice file. Press ⏯ to start playback. While the MP3 player is playing, press ⏯ to pause.
The default status of the track is "▮"

2. Selecting Tracks
   - 2.1 When the MP3 player is stopped/paused, use either the ⏩ or the ⏪ control to browse through the tracks.
   - 2.2 While the MP3 player is playing, use the ⏪ control to skip to the next track and the ⏪ control to play the previous one.
3. Fast Forward/Fast Reverse

Press the ⏩ or the ⏪ control for more than one second to start fast forwarding or reversing.

Detailed Operating Controls

4. A-B Looping

While playing music or voice files, press REC/A-B to mark the point where you want the loop to start (A). Press REC/A-B again where you want the section to end (B). The marked section will start to repeat. Press REC/A-B one more time to cancel the loop.

5. Deleting Files

Press the ☐ control and use the ⏩ or the ⏪ control to select "DELETE". Press ☐ to enter. Use the ⏩ or the ⏪ control to select the file to be deleted. Press ☐ to delete the track. To exit press the " ● " control.

Detailed Operating Controls

Recording

1. Music recording in music mode

This function enables you to record any audio source to MP3. Simply, connect the audio source to line-in jack by using a stereo cable.

Navigate your player into music mode. Press the REC button to start recording in music mode. To stop recording, press REC again.

Note:
In Music mode, the default recording source is “Line-In.”

Detailed Operating Controls

2. Voice recording in voice mode.

This feature offers high quality one touch voice recording.You can select to record voice into MP3 quality in music mode or ADPCM format in voice mode to enjoy smaller file size.

Navigate your player into voice mode. Press the REC button to start recording in voice mode. To stop recording, press REC again. When recording, a “ ● ” will be shown on the LCD display. Press ▶II to pause or resume recording.

Note:

The default recording source in Voice mode is the internal microphone , “MIC-IN” ou can record audio files line-in in voice mode. The quality of the audio file will be in voice quality but the file size will be smaller. Please refer to the System Settings section to find out how to do this.

3. Radio recording in radio mode

First navigate your player into radio mode. Press the REC button to start recording in radio mode.To stop recording, press REC again. When recording, a “ ● ” will be shown on the LCD display.

Note:

Radio recording quality depends on the reception quality at the time of recording.

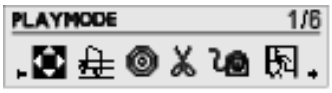
Menu Settings

To change the settings, use the ◀◀/▶▶ jog dial to select each particular option. Press the ☐ button to enter into the sub-menu and use the ◀◀/▶▶ jog dial to choose the desired settings. Press the ☐ button to confirm your choice. Press the " ● " button to exit to the sub-menu.

The following table shows all key responses for menu settings in different modes:

KEY	KEY ACTION
☐	Press to enter menu Press to enter into sub-menu/confirm Press and hold to enter Mode menu
◀◀/▶▶	Move right/left
Others	No response
REC	Exit to the sub-menu

Menu settings in Music Mode





Menu Settings

Playmode



Equalizers



Select Normal, Rock, Classic, Jazz, Pop and User default

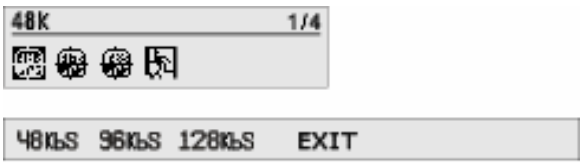


Bass: Set bass from levels 1 to 4 (1 is the weakest and 4 is the strongest)

Treble: Set treble from levels 1 to 4 (1 is the weakest and 4 is the strongest)

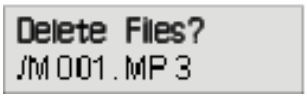
Menu Settings

Recording Bit
Rates



There are various choices of recording bit rates in MP3 recording:
48kbps, 96kbps, and 128kbps.

Deleting File



Go to file you want to delete.
Press ☐
Press ☐ button to confirm deletion
Press " ● " to Exit Delete Menu.

Menu setting in Radio Mode



Normal Mode



Channel Preset



Menu Settings

Your MP3 player can store up to 30 preset programme frequencies. These programmes can be quickly tuned when the radio is in the PRESET MODE. This section gives instructions for saving programme presets. The next section explains how to enter the PRESET MODE and retrieve a preset programme.

1. Enter the RADIO mode as described previously.
2. In NORMAL MODE tune the radio to the programme you wish to preset.
3. Press the ☐ button.
4. Use the ⏩ or ⏪ controls to select CH PRESET.
5. Press ☐
6. Use the ⏩ or ⏪ controls to select the preset number..
7. Press ☐ to confirm.

Using the preset mode

Mono/Stereo
Mode



Set FM radio output to stereo or mono

Menu Settings

Preset Mode

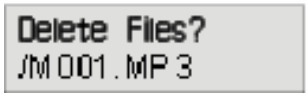




1. Enter the RADIO mode as described previously.
2. Press the ☐ button.
3. Use the ⏩ or ⏪ controls to select PRESET MODE.
4. Press ☐. The radio is now operating in preset mode.
5. Use the ⏩ or ⏪ controls to select the preset programmes until the one you require is selected.

Menu Settings

Deleting Program
Preset



Deleting programme presets

1. Enter the RADIO PRESET MODE as described above.
2. Press the ☐ button.
3. Use the ⏩ or ⏪ controls to select DELETE.
4. Press ☐
5. Use the ⏩ or ⏪ controls to select the preset programme you wish to delete.
6. Press ☐

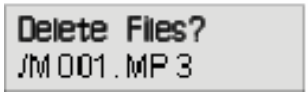
Menu Settings

Menu setting in Voice Mode



MUSIC: Switch to music mode
FM: Switch to radio mode
VOICE: Switch to voice mode

Deleting File



Go to file you want to delete.
Press ☐
Press ☐ button to confirm deletion
Press “ ● ” to Exit Delete Menu.

System Settings



To change system settings, use ⏩ & ⏪ to move to each particular system setting sub-menu and press ☐ to enter the sub-menu. Use ⏩ & ⏪ to choose the desired settings. Press ☐ to confirm.

1. Source: You can select the recording source in this menu. Selecting LINE-IN means you will be recording from line-in and selecting MIC-IN means you will be recording from the internal microphone.

2. Sleep preset: Choose the time in minutes that you want the device to automatically power off.

3. Resume: Use the ⏩ / ⏪ to switch between “On”and “Off” This will enable or disable the resume function. This function allows you to return to a track when you power on the device again.

4. Scrolling Speed of song 担 name: Choose between 5 scrolling speed levels, 4 is the fastest speed and OFF disables scrolling.

Menu Settings

5. Backlit time: There are 4 backlit time levels; 10, 30, 60, and permanent. These refer to the length of time in seconds the backlight will remain on after pressing a button.



6. Contrast level: Set the display contrast from level 1 to 10.



7. Default setting: You may choose to resume your settings to default by pressing either "Yes" or "No."



8. Version number: For checking the firmware version of this player.



9. Idle time: The device will automatically power off when it is left for a specified idle time. For example, you can set it at 3 seconds and the device will turn off when it is left idle for this length of time.



10. ASD (Audio Silence Detection): This menu allows you to choose the length of silence before ending the current line-in recording and starting a new file. You can also turn the silence detection feature off with this menu.



Trouble shooting

1. The player does not work or nothing is displayed on the LCD.
   Check the capacity and the polarity of the battery.
   The player will automatically shut down to save power if it is left idle for 1 minute.

2. The buttons are not responding.
   Check if the "Hold" button on the main unit is locked. If yes, buttons will have no response.

3. Unable to play MP3 file.
   Check if the memory contains any MP3 files.
   Check if the player is in Music Mode.
   Check if the MP3 player supports the format of the stored files.

4. Unable to play ADPCM
   Check if the memory contains any VOC files
   Check if the player is in Voice Mode.

5. Unable to record via line-in.
   Check if there is enough space in the selected memory.
   Check if cable is stereo and connected to the device properly.

6. A-B looping function is not working.
   This function only works during playback.

Trouble shooting

7. Unable to install software.
   Our installation CD only supports Windows 98, ME, NT, 2000, XP XP Pro, XP home with Latest Windows Service Pack. Other systems are not supported.

8. Unable to find the mass storage device after connecting to the PC.
   Make sure your device is powered on and ready.

9. How to reset MP3 Player to factory settings.
   Choose default setting in system settings. Choosing “YES”allows you to reset the player to factory default settings.

10. Backlight does not turn on.
    Check if the backlight is disabled in the system setting. This is for power saving purposes.