

USER MANUAL

PD

PD-099 series



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**PERCEPTION
DIGITAL**

0303

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Introduction

Thank you for purchasing PD 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 also transfer songs you enjoy from your computer to your player. With its 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:

- Direct line-in encoding to MP3 or voice format *
- 128MB or 256MB internal memory *
- MP3, WMA, ADPCM playback
- 30 FM radio preset channels (*Enhanced Feature!*) *
- FM recording in MP3 quality *
- High quality voice recording from built-in microphone
- Voice messages recording in MP3 or voice format
- Various MP3 recording bit rates (48kbps, 96kbps, 128kbps) *
- Supports ID3 tagging
- Acts as an external drive, supports file storage and transfer

* **Remark : Varies in different models**

Introduction

- Mini-USB connection with PC
- No PC software required for file transfer
- Firmware upgrades available
- A-B looping support
- 5 equalizers
- Sleep preset

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 modifications not expressly by the party responsible for compliance could void the user's 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

Introduction

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:

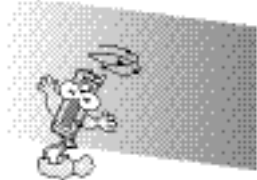
- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help. Keep in mind, modifications 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

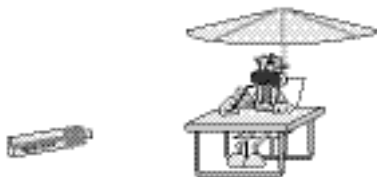
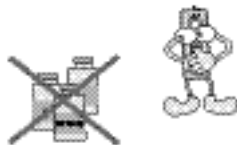
Precautions



aces with
or heat



ill



In the Package



Main Unit



Stereo Earphone



Mini-USB Cable



Neck Strap



Carrying Pouch



Warranty Card



Line-in Cable

Specifications

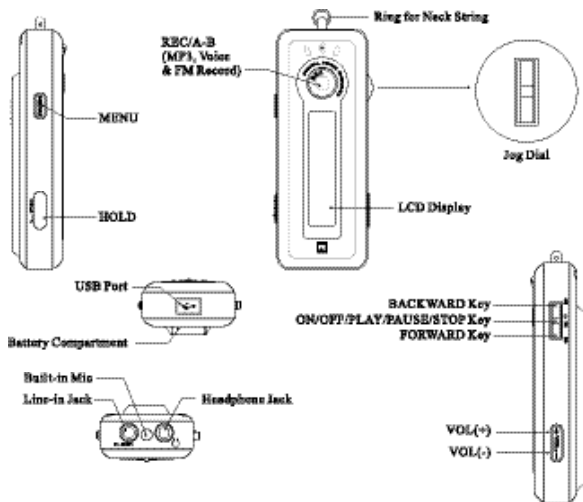
Size (HxWxD)	85 x 31.9 x 17.4mm
Net Weight	29g (without battery)
Internal Flash Memory	128MB or 256MB *
Power Supply	1x AAA alkaline battery
PC Interface	Mini-USB
Radio Function	FM with auto scan and 30 preset channels *
Digital Music Format	
Playback	MP3, WMA, all bit rates including VBR
Record	MP3 (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	15 hours or more
Equalizer	Jazz, Rock, Classic, Pop, User Default
Play Mode	Normal, Repeat one, Repeat all, Random, Repeat random

All specifications are subject to change without notice.

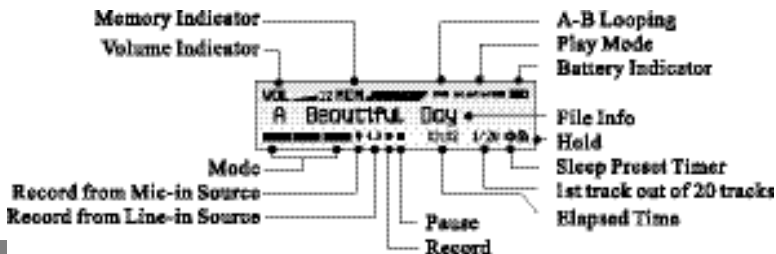
** Remark : Varies in different models*

Knowing your Portable MP3 Player

Name of parts



LCD: Display Window



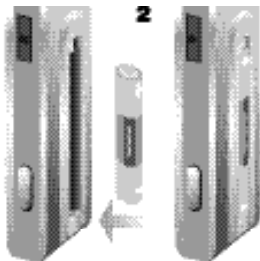
Knowing your Portable MP3 Player

Memory Indicator	Shows how much memory is used. The filled block represents the remaining memory. For a 128MB player, one block represent about 21MB of memory. For a 256MB player, one block represents about 42MB of memory.
A-B Looping	This special feature enables you to learn a language, repeat a voice recording or repeat your favorite section of the song .
Battery level indicator	Shows how much longer the battery can be used, level decreases as battery is used.

Inserting battery



1
Open the battery door according to this direction.



2
Put the battery into the compartment.
Pay attention to the polarity.

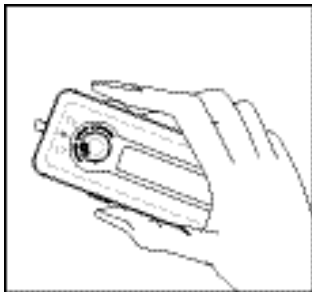


3
Close the battery door.

Knowing your Portable MP3 Player

Note:

If you follow the picture below to grasp the MP3 player, it is easier to handle.





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)

Operating controls

There are three modes which you can operate your portable MP3 player; music mode, radio mode, and voice mode.

Operating in Music Mode

The following tables show all key responses under different operations in music mode.

Music Playing Mode

Key	Key Action	Browsing	Playing
⏻ ▶	Short	Play current track	Stop/Pause current track
	Long	Power off	Power off
▶▶	Short	Move to next track	Play next track
	Long	Move to next track continuously	Fast Forward
◀◀	Short	Move to previous track	Play previous track
	Long	Move to previous track continuously	Rewind
MENU		Enter Menu Mode	Enter Menu Mode
VOL +		Increase the volume	Increase the volume
VOL -		Decrease the volume	Decrease the volume
REC		Start recording	Set point A (A-B loop function)
—> Hold	On/Off	All keys are locked	All keys are locked

Operating controls

Music Recording Mode

Key	Key Action	Recording
⏻ ▶	Short	Pause / Resume recording
	Long	Power off
▶▶	Short / Long	No response
◀◀	Short / Long	No response
MENU		No response
VOL +		No response
VOL -		No response
REC		Stop recording
—> Hold		All keys are locked

Operating controls

Operating in Radio Mode

The following tables show all key responses under different operations in radio mode.

FM Radio Playing Mode

Key	Key Action	Normal Mode	Preset Mode
⏻ ▶▶	Short	No response	No response
	Long	Power off	Power off
▶▶	Short	Increase frequency (step size = 0.05MHz)	Move to next preset station
	Long	Auto-search up	Continuously move to next preset station
◀◀	Short	Decrease frequency (step size = 0.05MHz)	Move to previous preset station
	Long	Auto-search down	Continuously move to previous preset station
MENU		Enter Menu Mode	Enter Menu Mode
VOL +		Increase the volume	Increase the volume
VOL -		Decrease the volume	Decrease the volume
REC		Start recording	Start recording
—>Hold	On / Off	All keys are locked	All keys are locked

Operating controls

FM Radio Recording Mode

Key	Key Action	Recording
⏻▶	Short	Pause / Resume recording
	Long	Power off
▶▶	Short / Long	No response
◀◀	Short / Long	No response
MENU		No response
VOL +		No response
VOL -		No response
REC		Stop recording
—>Hold	On / Off	All keys are locked

Operating controls

Operating in Voice Mode

The following tables show all key responses under different operations in voice mode.

Voice Mode

Key	Key Action	Browsing	Playing
⏻ ▶	Short	Play current track	Stop/Pause current track
	Long	Power off	Power off
▶▶	Short	Move to next track	Play next track
	Long	Move to next track continuously	Fast Forward
◀◀	Short	Move to previous track	Play previous track
	Long	Move to previous track continuously	Rewind
MENU		Enter Menu Mode	Enter Menu Mode
VOL +		Increase the volume	Increase the Volume
VOL -		Decrease the volume	Decrease the volume
REC		Start recording	Set point A (A-B loop function)
—>Hold	On / Off	All keys are locked	All keys are locked

Operating controls

Voice Recording Mode

Key	Key Action	Recording
⏻ ▶	Short	Pause/Resume current track
	Long	Power off
▶▶	Short / Long	No response
◀◀	Short / Long	No response
MENU	Short / Long	No response
VOL +		No response
VOL -		No response
REC		Stop recording (Go back to previous screen)
—> Hold	On / Off	All keys are locked

Detailed Controls

Switching Modes

To switch from one mode to another, press the **MENU** button, then press the **⏻ ▶** button. Next, to select the mode, use the **◀ / ▶** scroll to select the desired mode, then press the **⏻ ▶** button to confirm your selection.

Playing Music or Voice files

1. Play and stop

Press the **⏻ ▶** button to play tracks. To stop the track, press the **⏻ ▶** button again.

2. Selecting tracks

- a. When the MP3 player is playing a file, move the jog dial towards the **▶▶** direction quickly to play the next track and move the jog dial towards the **◀◀** direction quickly to play the previous track.
- b. When the player is stopped, moving the jog dial with **▶▶** or **◀◀** allows you to browse through the tracks stored in memory.

3. Moving within track

Moving the jog dial with **▶▶** or **◀◀** for longer than 1 second will fast forward or rewind during a track.

Detailed Controls

4. A-B looping

While playing music or voice, you can set a section to repeat continuously. Press the **REC** button to mark the point where you want the section to start (Point A). Then, press **REC** again to mark where you want the section to end (Point B). The selected section will then repeat continuously.

5. Deleting track and voice files

Choose delete from MENU. Use ◀ or ▶ to select track or voice file you wish to delete and press **⏏** to delete.

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. When recording, a “●” will be shown on the LCD display of the player. Press **⏏** to pause or resume recording.

Note:



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

*** Remark : Varies in different models**

Detailed 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   to pause or resume recording.

Note:

The default recording source in Voice mode is the internal microphone , “MIC-IN.” You 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. To change the setting in different modes you need to press the **MENU** button.

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

KEY	KEY ACTION
MENU	Enter/exit menu
◀/▶	Move right/left
⏻▶	Enter into sub-menu/confirm
Others	No response

Menu settings in Music Mode



Switching to
Music Mode.



Menu Settings

Playmode



- Normal: Play all in order once.
- Repeat One: Continuously repeat the current track.
- Repeat All: Play all tracks in order repeatedly.
- Random: Continuously select tracks randomly.
- Rpt Random: Continuously repeat all tracks randomly.

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

A rectangular menu box with a dotted background. On the left is a small icon of a cassette tape. To its right, the text "48 96 128" is displayed in a monospaced font, with "96" highlighted by a black rectangular cursor.

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

Deleting File

A rectangular menu box with a dotted background. The text "DELETE ?" is displayed in a monospaced font, with "DELETE" highlighted by a black rectangular cursor.

Go to file you want to delete.

Press Menu

Press the play button to confirm deletion

Menu setting in Radio Mode

Normal Mode

A rectangular menu box with a dotted background. On the left is a small icon of a radio. To its right, the text "MODE NORMAL MODE DELETE MONO SETTING" is displayed in a monospaced font, with "MODE" highlighted by a black rectangular cursor.

Switching to
Radio Mode

A rectangular menu box with a dotted background. On the left is a small icon of a radio. To its right, the text "MUSIC [RADIO] VOICE" is displayed in a monospaced font, with "[RADIO]" highlighted by a black rectangular cursor.

Channel Preset

A rectangular menu box with a dotted background. The text "CH PRESET ?" is displayed in a monospaced font, with "CH PRESET" highlighted by a black rectangular cursor.

Save FM radio broadcast channel or delete

Menu Settings

Mono/Stereo
Mode

MONO

STEREO

Set FM radio output to stereo or mono

Preset mode

PRESET MODE CHPRESET MONO SETTING

Switching to
Radio Mode.

MUSIC RADIO VOICE

Deleting Files

DELETE ?

Delete FM radio broadcast channels

Menu Settings

Mono/Stereo
Mode

MONO

STEREO

Set FM radio output to stereo or mono

Menu setting in Voice Mode

FM 100.9 DELETE SETTING

VOICE MODE.

MUSIC RADIO VOICE

Deleting Files

DELETE ?

Go to file you want to delete.

Press Menu

Press the play button to confirm deletion

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 ◀/▶ jog dial 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's name:** Choose between 5 scrolling speed levels, 4 is the fastest speed and OFF disables scrolling.

System 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 \hat{Y} or \hat{N} .



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.



Troubleshooting

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 iHold[®] 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.

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.

Company Contacts

For the United States:

Impact Merchandising, 6262 Pattersom Pass Rd., Ste. C, Livermore,
CA 94550-9576

For Canada:

AVS Technologies inc. 2100 Transcanadienne Sud Montréal (Québec) H9P 2N4

For International Enquiries:

sales@perceptiondigital.com

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