

USER MANUAL

PD-210

PD

Perception
Digital





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Thank you for purchasing PDHercules 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 these 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 versatility of your player by following this user manual.

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

- 128MB or 256MB internal memory, depending on product version
- MP3, WMA, ADPCM playback
- 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 ID3Tag
- Acts as an external drive, supports file storage and transfer
- Real time Clock display
- Negative LCD display
- Multiple language Support
- Internal lithium-ion rechargeable battery
- Supports USB charging



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

Copyright Notice

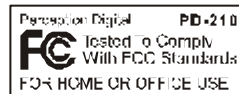
You must be aware that distribution of MP3 files without permission from the content owner is against the copyright laws. Perception Digital Ltd. and its associating companies will not be liable for such actions.

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 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, that modifications not authorized by the manufacturer may void users authority to operate this device.

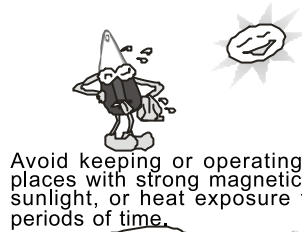
If the unit that has no response or power off, it may be caused by electrostatic discharge. If this circumstance, please follow the procedures below for recovery:

1. Reset the unit that has no response
2. Turn on the unit again

Precautions



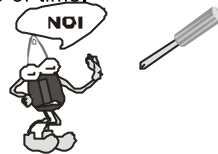
Do not abuse your MP3 player by using extreme force.



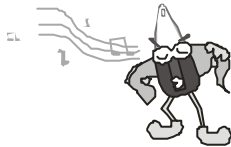
Avoid keeping or operating the unit in places with strong magnetic field, direct sunlight, or heat exposure for extended periods of time.



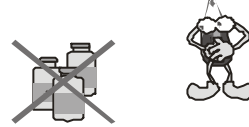
Keep the unit away from high humidity.



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

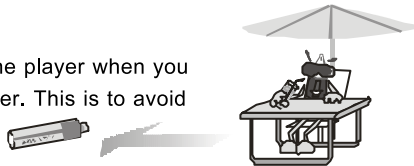


Use a soft towel to clean the surface of your player.

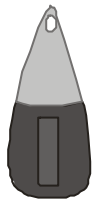


Keep the player away from chemicals.

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



In the Package



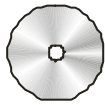
Main Unit



Stereo Earphone



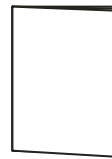
Mini-USB Cable



CD-ROM



Neck String



User Manual



Warranty Card (Optional)

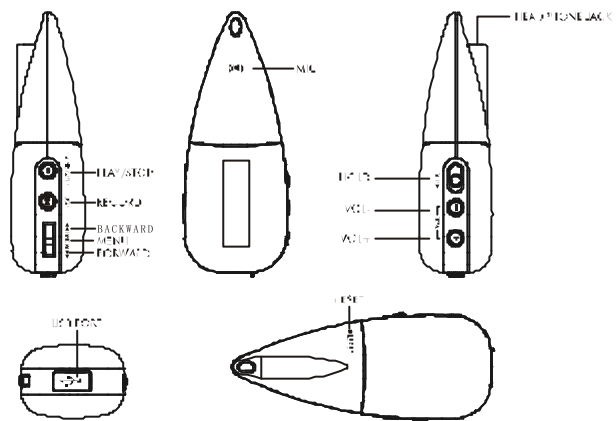
Specifications

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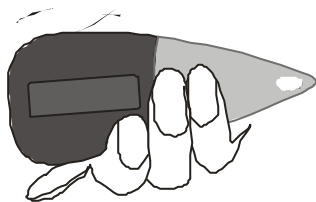
Size (HxWxD)	85x33x22mm (LXWXT)
Net Weight	35g (with internal battery)
Internal Flash Memory	128MB/256MB
Power Supply	internal lithium-ion rechargeable battery
PC Interface	Mini-USB
Digital Music Format	
Playback	MP3, WMA, all bit rates including VBR
Record	MP3 (48,96,128kbps in 44.1kHz from internalmic)
Digital Voice Format	ADPCM(32Kbps)
Built-in Microphone	Electric condenser microphone
Signal to Noise Ratio	> 90dB
Frequency Range	20Hz-20KHz
Battery Life	10 hours or more
Equalizer	Normal, Jazz, Rock, Classic, Pop, User Default
Play Mode	Normal, Repeat one, Repeat all, Random, Repenatrandom

All specifications are subject to change without notice.

Name of parts

**Note:**

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



Turn on MP3 player

Press and hold ►■

Turn off MP3 player

Press and Hold ►■

Reset MP3 player

Press "RESET"

Your PC must have the following minimum specifications:

- o Window98, 2000, XP or upper
- o Pentium II 200
- o 64MB RAM
- o 500MB Hard disk space
- o CD-ROM drive

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 Kanji)

Chinese Traditional

Chinese Simplified

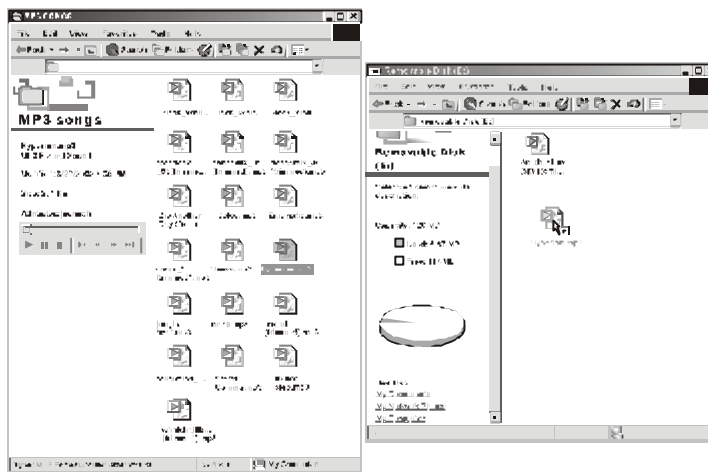
Mass Storage PC Connection

This is a mass storage device. No driver installation is required except Windows 98. For Windows 98 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 users, you can use the Windows 98 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.

**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.

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 compatible with Music Match. You can directly rip your audio CDs to WMA or MP3 format using Music Match software and directly download file 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 as 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.perceptiondigital.com.

USB Charges

Connect the USB cable with the MP3 player. The USB cable recharges the battery from 0% to 70% ~ 80% capacity within 4 hours.

1. Power off the MP3 Player
2. Connect the MP3 Player with attached USB cable

Selecting Modes

The MP3 player has three operation modes: MUSIC, VOICE and DISPLAY. Press the MENU control for the selection of "MUSIC", "VOICE" or "DISPLAY" 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.

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 MENU 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 MENU control.

Recording

1.1 Recording in music mode

In music mode, the in-built microphone enables you to record with high-quality MP3 format.

1.1.1 Recording with the in-built microphone

The default bit rate is 128Kbps. You can select different bit rates for recording if necessary. See also the Bit Rate Settings on page 21.

- 1.1.2 Press REC/A-B to start recording.
- 1.1.3 Press REC/A-B to stop recording.
- 1.1.4 The file will be stored as MXXX. MP3, with XXX starting from 001.

2. Recording in Voice Mode

In voice mode, the in-built microphone enables you to record voice.

- 2.1.1 Press REC/A-B to start recording.
- 2.1.2 Press REC/A-B to stop recording.
- 2.1.3 The file will be stored as MXXX. WAV, with XXX starting from 001.

The following introduces the menu settings in different modes. To change the menu settings in music and voice modes, press the MENU control to enter into the corresponding settings. Rotate the ►► or the ◀◀ control until the setting you require is displayed. To enter press ►■. Use the ►► or the ◀◀ control to select the setting required and press ►■ to confirm.

Shown in the table below are the key responses for menu settings in different modes:

Key	Key Action
MENU	Enter/Exit Menu
►► / ◀◀	Move Right/Left
►■	Enter into Sub-menu/Confirm
Others	NoResponse

Menu Settings for Different Modes



MODE PLAYMODE EQ RBR DELETE SETTING

Switching to Different Mode



- MUSIC: Switch to music mode
- VOICE: Switch to voice mode
- DISPLAY: Switch to display mode

Display Mode Settings

When the MP3 player remains stopped/paused for ten minutes or above, the Real Time Clock Display will appear automatically until a button is pressed.



Display Mode - Normal



File Display Interface

Play Mode



NORMAL REPEAT ONE REPEAT ALL RANDOM RPTRANDOM

Normal: Play all tracks in order once and then stop.

Repeat One: Play the current track repeatedly.

Repeat All: Play all tracks in order continuously.

Random: Play all tracks in random once.

Rpt Random: Play all tracks in random continuously.

Equalizers



NORMAL ROCK JAZZ CLASSIC POP USER DEFAULT

Preset the audio effect of the player with the following options:

Normal, Rock, Jazz, Classic, Pop and User Default.



BASS TREBLE



Menu Settings **21**

Bass: Select from Level 1 to 4.
 Treble: Select from Level 1 to 4.

Recording Bit Rates



There are three MP3 recording bit rates to choose from: 48Kbps, 96Kbps and 128Kbps.

Delete



Press to delete the selected track.

Switching to Voice Mode



Switch to music mode
 Switch to voice mode
 DISPLAY: Switch to display mode



System Settings

The following system settings can be operated in both music and voice modes.



SLEEP IDLE KEYPW BACKLIT CONTRAST SCROLL DEFAULT DISPLAYMODE

Sleep



OFF 15 30 45 60

This enables the user to preset automatic sleep timer. The MP3 player will be automatically switched off after a preset period. The sleep timer options are: OFF, 15, 30, 45 and 60 minutes.

Idle



OFF 3 5 10 30

This presets the idle timer of the MP3 player. The device will automatically shutdown when it has been idled for a preset period so as to save battery. The idle timer options are: OFF, 3, 5, 10 and 30 minutes.

Resume



When this setting is "ON", the MP3 player will navigate to the beginning of the track that was last playing when the device was powered off. When "OFF", the device will resume to the default settings without tracing the last shutoff status.

Backlit



The backlight of the display can be set to stay on for a certain period and the options are: OFF-no backlight, 10, 30 and 60 seconds, and Permanent.

Contrast



This sets the LCD contrast level ranging from 1 to 10.

Scroll



OFF 1 2 3 4

This controls the scrolling speed of song's name on the display. You can choose between 5 levels: OFF, 1, 2, 3 and 4.

Default

YES NO

Resume the settings to default by selecting "YES" or maintain the status quo by choosing "NO".

Troubles	Solutions
The MP3 player does not work or the display is blank.	Check the battery discharge status.
The keys do not respond.	Check if the "HOLD" button is slid to "▶". If yes, keys will not function.
Unable to play MP3 files.	Check if there is any MP3 file in the memory. Check if the device is in Music Mode.
Unable to play voice files.	Check if there is any voice file in the memory. Check if the device is in Voice Mode.
A-B Looping does not function.	This key only works during playback of music or voice.
Unable to install driver or software	Our installation CD is only compatible with WIN98, 2000, ME, XP, XP Pro and XP Home. Other systems are not supported.

Unable to find the mass storage device after connection to the PC.	<p>Make sure that the correct driver is installed.</p> <p>Make sure that the MP3 player is on and connected properly through the Mini-USB device. Check Device Manager in the PC to see if the device is installed correctly.</p>
How to resume MP3 player to default settings.	Choose "Default" in system settings and select "Yes" to resume the player to factory default settings.
No Backlight	Check if the backlight is switched "OFF" in the system setting.



Company Contacts	27
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For international inquiry:
technical@perceptiondigital.com



