Oregon
SCIENTIFIC

Model: MP 200

User Manual
Manuale d'Uso
Manuel d'Utilisation

Oregon
S C I E N T I F I C

DIGITAL MP3 PLAYER (MP200)
USER MANUAL

CONTENTS

Ver.1.1

INTRODUCTION

Congratulations on your selection of the Oregon Scientific™ MP200. This full-featured Digital MP3 Player offers a variety of features including multi-format data storage support, support for multiple audio standards, enhanced playback and audio features, all in a slim, credit card-sized design.

MAIN FEATURES

- World's first see-through display MP3 player with LED light
- Support for MP3 and WMA / WMA DRM audio file formats
- Multi-format support for mass data storage
- 128MB, 256MB or 512MB built-in flash memory (please refer to indication on the packing)
- 5 preset equalizer settings
- Upgradeable firmware for future audio format support
- Multilanguage menu support
- ID3 Tag information display
- USB 2.0 for fast file transfer (USB flash drive)
- Built-in rechargeable battery

ACCESSORIES

- CD-ROM
- Strap with stereo earphones
- USB cable
- USB power adaptor (optional)
- Carrying pouch

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PRODUCT OVERVIEW

FRONT

1. Earphone connection
2. Strap connector: Use this to attach the supplied strap
3. LCD screen
4. USB connector

BACK
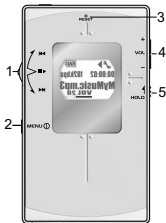
1. **JOG** button: ▶▶| Skip to the next track or next option; |◀◀ Review the current or previous track / back to the previous option; ■▶ Start and pause playback / stop playback / confirm selection
2. **MENU** button: Press and hold to turn the power on or off; Enter or exit menu settings
3. RESET: Resets the unit
4. **VOL + / -**: Press to change the volume; toggle between different font displays in STOP status
5. **BUTTON HOLD**: Lock button controls to prevent activation

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GETTING STARTED

Before you begin, please check to make sure your computer meets the following minimum system requirements:
- Intel® Pentium® 133MHz or faster
- CD-ROM Drive
- USB 1.1 port or USB 2.0 port
- 10MB free hard disk space
- Microsoft® Windows® 98SE, Me, 2000, or XP
- Mac OS 9.0 or above

DRIVER SOFTWARE INSTALLATION (WIN 98SE USERS ONLY)

WINDOWS 98SE
Installing the MP200 driver software will allow your computer to recognize your MP3 player each time it is connected to the computer.
1. Insert the MP200 CD-ROM into your computer. If the installer does not automatically begin, please refer to the troubleshooting section for help.
2. Follow the onscreen instructions.
3. Restart your computer.

WINDOWS ME, 2000, XP
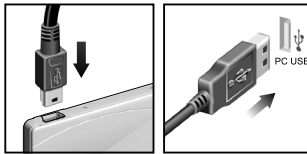When you connect your MP3 player to your PC, it will appear as a removable drive (i.e., Removable Disk (H:)).

MACINTOSH OS 9.0 OR ABOVE
When you connect your MP3 player to your Macintosh, it will appear as one drive icon on the desktop (i.e., Untitled).

CONNECTING THE PLAYER TO YOUR COMPUTER / CHARGING THE BATTERY

To connect the player to your computer using the supplied USB cable:

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EN

NOTE: Make sure you turn off the player before connecting to the PC.

Once connected the player's built-in battery will automatically begin charging. "READY" will show on the LCD. When the battery is fully charged after approximately 2-3 hours on a continuous charge, the battery icon shows ▰▰. Disconnect the player when charging is finished unless you are transferring files.

The battery status indicators are as follows:

    Low ▰   Medium ▰▰   Full ▰▰▰

NOTE: When the low battery indicator shows ▰, recharge the battery as soon as possible. When the battery icon shows ☐, this indicates the battery is about to run out of power within a few seconds.

NOTE: Charging time may very depending on the computer's USB usage status. If the player overheats or cools during charging, the battery icon ◺ appears on the LCD and the unit stops charging. The player will automatically restart charging after re-adjusting its internal temperature.

TIP: You can charge your player with the supplied USB adaptor (optional accessory). AC cable and plugs differ from region to region.

FILE TRANSFER

After connecting your MP3 player to the computer, the computer will detect and identify the device as a removable storage drive, allowing you to drag and drop all forms of files between your computer and your player.

1. Double click the **My Computer** icon.
2. Double click the drive letter (i.e. Removable Disk (H:) or Untitled on the Mac) of your player assigned by the computer.
3. Drag and drop the file(s) you wish to copy from your computer onto your player.

NOTE: You will not be able to view or play any of the stored data unless it is one of the supported MP3 (MPEG-1, Audio Layer 3) or WMA (Windows Media Audio) / WMA DRM audio formats.

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CAUTION: To prevent data loss, wait at least 15 seconds to make sure the file transfer is complete before unplugging your player from the computer.

DISCONNECTING PLAYER FROM COMPUTER

WINDOWS 98SE
1. Double click the My Computer icon.
2. Right click the removable drive letter your player has been assigned.
3. Click "Eject" from list before disconnecting.

WINDOWS ME, 2000, XP
1. Click the "Stop USB Mass Storage Device" 💱 icon on the Windows taskbar at the bottom right of the monitor.
2. Click your player drive letter to stop the device before disconnecting.

MACINTOSH OS 9.0 OR ABOVE
Drag and drop the "Untitled" icon from your Mac desktop to the "Trash" icon for eject the player before disconnecting.

POWER ON / OFF

POWER ON
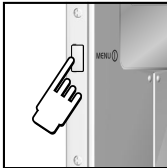
To turn the power on, press and hold **MENU** for 2 seconds. The unit will enter STOP status with the ■ icon displayed.

NOTE: In STOP status, a power saving feature will cause your MP3 player to automatically shut off if no key is pressed for 1 minute.

POWER OFF

Good Bye

To turn the power off, press and hold **MENU** a few seconds until after the "Good Bye" screen appears.

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PLAYING BACK MUSIC FILES

PLAY

Press ■▶ To playback music files stored on your player.

1. Playback icon
2. Time elapsed or remaining
3. RPT icon
4. Bit rate (Display VBR if the music track is played back at a variable bit rate)
5. Track name
6. Equalizer icon

TIP: See section on "MENU NAVIGATION" for information about how to:
- Display elapsed or remaining track time by changing the "Time" setting.
- Change the speed a track name is displayed under the "Scroll" section option.

STOP / PAUSE

1. When the player is playing back a music track, press ■▶ to pause the track, ▶|| will appear on the display.
2. When the MP3 player is in playback or pause status, press and hold ■▶ to stop the song. ■ will appear on the display.

SKIP / FAST FORWARD / REWIND

You can skip tracks or fast forward / rewind the current track.

ACTION	BUTTON PRESS
Skip forward	Press ▶▶| repeatedly to skip to the next track.
Skip backwards	Press |◀◀ repeatedly to skip back to the previous track.

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ACTION	BUTTON PRESS
Fast Forward	Press and hold ▶▶| to fast-forward the current track. The ▶▶ icon will appear on the display.
Rewind	Press and hold |◀◀ to rewind the current track. The ◀◀ icon will appear on the display.

VOLUME CONTROL

- Press + to increase volume.
- Press - to decrease volume.

TIP: Press and hold a volume button to rapidly change levels.

MENU NAVIGATION

All settings are accessible through the main menu and sub-menus. To navigate through the menus and sub-menus:

1. Press **MENU** until the menu screen is shown.
2. Press ▶▶| / |◀◀ to scroll through the list of menu options.
3. Press ■▶ to select the desired option and again to save the setting.

TIP: Press **MENU** to revert back to screen was last accessed without saving an option.

MAIN MENU	SUB-MENUS	
RPT	Normal, One, All, Ran, RPT Ran.	
EQ	Normal, Rock, Jazz, Classical, Pop.	
DELETE	One / All	
DISPLAY	BACKLIT	Off, 3s, 7s, 15s
	CONTRAST	1 to 10
	SCROLL	Off, 1, 2, 3, 4
MEMORY	TOTAL, FREE, VERSION	
SETTINGS	LANG	English, French, German, Italian, Spanish, Portuguese
	TIME	Elapse / Remain
	TAG	Off / On

NOTE: If no key is pressed for 5 seconds during menu navigation, the player will return to the screen last accessed.

RPT (REPEAT)

1. Press ►►I / I◄◄ to select the desired repeat option.
2. Press ■► to confirm selection.

ICON	RPT PATTERN	DESCRIPTION
▬	Normal	All tracks are played once from the first song to the last.

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Icon	RPT PATTERN	DESCRIPTION
⟲①	One	Repeat the current track. You can press ▶▶| to skip to the next track.
⟲	All	Play all tracks once repeatedly.
⟲⒭	Ran	All tracks are randomly selected and played back.
⟲⒭	RPT Ran	All tracks are randomly selected then played back once repeatedly.

EQ (EQUALIZER)

1. Press ▶▶| / |◀◀ to select the desired EQ setting.
2. Press ■▶ to confirm selection.

ICON	—	R	J	C	P
EQ SETTING	Normal	Rock	Jazz	Classical	Pop

DELETE

1. Press ▶▶| / |◀◀ to select "One" or "All".
2. Press ■▶ to confirm a selection and stop an audio file that is being played back.

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DELETE ONE

1. Press ►►I / I◄◄ to choose a track for deletion.
2. Press ■► to delete the file. "File deleted" and the free memory will be displayed to confirm that the file has been erased.

DELETE ALL

If you selected the delete "All " option and you pressed ■► to confirm, "Files deleted" will be displayed to confirm the deletion.

NOTE: Once files are deleted they cannot be retrieved.

DISPLAY

BACKLIT

With the backlight feature activated, the display will light up each time a button is pressed. You can also set how long you want the backlight to stay on for.

1. Press ►►I / I◄◄ to choose between "OFF, 3s, 7s, 15s" second durations.
2. Press ■► to confirm selection.

CONTRAST (LCD CONTRAST)

You can increase contrast settings to read the display more clearly in bright lighting conditions.

1. Press ►►I / I◄◄ to choose contrast settings between 1-10.
2. Press ■► to confirm selection.

NOTE: High contrast settings may lower battery life.

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SCROLL (SCROLL SPEED)

If you have track information that is too long to fit onto the display, it will scroll through so you can read text that is left off the screen.

1. Press ▶▶|/|◀◀ to scroll between "OFF, 1, 2, 3, 4" speed levels.
2. Press ■▶ to confirm selection.

MEMORY AND FIRMWARE

To check the status of your player's total or available memory, or firmware version, press ▶▶| / |◀◀ to scroll between "TOTAL" and "FREE" memory, and "VERSION".

NOTE: The memory status display takes both audio and multi-file formats, and some system files into account when displaying the memory status.

SETTINGS

LANG (LANGUAGE)

You can choose to display the menu information in English, French, German, Italian, Spanish, or Portuguese:

1. Press ▶▶|/|◀◀ repeatedly to scroll through the different language options.
2. Press ■▶ to confirm selection.

TIME

To switch between "Elapse" or "Remain" time display information settings during playback:

1. Press ▶▶|/|◀◀ to choose between "Elapse" or "Remain" playtime display settings.
2. Press ■▶ to confirm selection.

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TAG (TAG INFORMATION)

Your player supports ID3v1 and ID3v2 Tag information. This format allows the player to represent information such as identifying track title and artist name:

1. Press ▶▶|/ |◀◀ to scroll "Off" or "On".
2. Press ■▶ to confirm selection.

NOTE: If the track contains both ID3v1 and ID3v2, only the ID3v2, information will be displayed during playback.

BUTTON HOLD

The button hold function locks your player to prevent any buttons from being pressed. The 🔒 indicator will show when the buttons are locked.
1. Slide the **HOLD** switch on to activate.
2. To unlock the buttons, slide the **HOLD** switch off. 🔒 disappears from the screen.

RESET

Occasionally the MP3 player may not function correctly and will need to be reset. When the power is on, press and hold **RESET** using a blunt narrow-tip stylus or ballpoint pen until the power turns off. Turn the power on to begin operation again.

UPGRADING FIRMWARE (WINDOWS USERS ONLY)

Upgrading your MP200 MP3 player with the latest firmware ensures the device provides optimal playback performance:
1. Go to the Oregon Scientific website (www.oregonscientific.com).
2. Click the country site that you purchased the player from and download the latest firmware updater (.zip file) and instruction guide.
3. Follow the instruction guide.

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FORMATTING YOUR PLAYER (WINDOWS USERS ONLY)

All stored information will be lost and your settings will return to default values.

1. In Windows Explorer, select the drive letter of your player assigned by the computer.
2. Ensure you have selected the right drive (i.e. Removable Disk). Right-click your mouse button and select the **FORMAT** option.
3. If there is an option to select **File System**, choose **FAT** as the format.

NOTE: The formatting player option is not supported on Macintosh systems.

COPYRIGHT

Voices or sounds recorded cannot be used in ways that infringe copyright laws. Note that some restrictions apply to the recording of performances, entertainments and exhibits, even when intended purely for personal use.

Users are also asked to note that the transfer of memory containing data or MP3 files protected under copyright laws are only permissible within the restrictions imposed.

SAFETY AND CARE

This product is designed to give you years of service if handled properly. Observe the following guidelines:

- Clean the unit with a damp cloth and mild detergent.
- Do not drop the unit or placing it in a high-traffic location.
- Never immerse the unit in liquid. This can cause electrical shock and damage the unit.
- Do not subject the main unit to extreme force, shock, or fluctuations in humidity.

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- Do not tamper with the internal components.
- Do not scratch the LCD display.
- Do not make any changes or modifications to this product. Unauthorized changes may void your right to use the product and invalidate the warranty.
- The technical specifications for this product and the contents of the user guide are subject to change without notice.
- Images not drawn to scale.
- Keep your player away from any strong magnetic fields. Exposure to magnetic fields may cause the memory to get erased or even damaged.
- Keep your player away from excessive dust / sand, moisture, rain, direct sunlight or heat.
- Do not use excessive force when handling the player.
- To minimize battery overcharge, which can lead to poor quality performance, disconnect the player from the PC by detaching the USB cable once the battery has been fully recharged.
- Keep your player in a dry, well-ventilated place to prevent it from molding.
- Never use headphones / earphones while driving, cycling, or operating any motorized vehicles.
- Listening to music at high volume for long periods of time may damage your hearing. Keep the volume at a moderate level.
- Do not set headphone / earphone volume to high while using pedestrian crossings or walking.

TROUBLESHOOTING

HARDWARE

Music skips tracks.
The music file may be corrupt or an unsupported format. First check to make sure it is a supported format. If the format is correct, delete the file and transfer the music from your PC to player again.

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The player will not start or shuts off soon after it starts.
Check the battery level and make sure it is fully charged.

The buttons do not work.
The button hold feature may be on. See section "BUTTON HOLD" for more information.

The player is not functioning normally.
The player may need to be reset. See section "RESET" for more information. You may also format the player from your computer and upgrade the firmware. Please see section "UPGRADING FIRMWARE" for information.

The flash memory appears to be corrupted.
Upgrade to the latest firmware to optimize the player's performance. Remember to check the Format Data Area box during the upgrade process. Please see section on "UPGRADING FIRMWARE: WINDOWS USERS ONLY" for more information.

No sound is coming out of the headphones.
Check to make sure they are plugged in correctly and the volume is turned up.

Your computer does not locate your player.
Check to make sure the USB cable is connected properly.
If you are using Win98SE, make sure you have installed the driver software.

Cannot store any more files on the player.
The memory may be full. Delete files to make some room.

SOFTWARE

The MP200 software does not automatically begin when you insert the CD.
You may need to start the installation process manually.
1. Double click thsse **My Computer** icon on the Windows desktop.
2. Double click the drive that contains the CD-ROM.

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3. Follow the on-screen instructions to complete the installation process.

CAUTION

In case of electrostatic discharge, the product may not function properly and will require a manual reset. After resetting the unit, data stored will remain intact.

TECHNICAL SPECIFICATIONS

Built-in Flash Memory:	128MB, 256MB or 512MB (please refer to indication on the packing)
Dimensions:	91mm (L) x 53mm (W) x 6.6mm (T)
Weight:	40g (with battery)
LCD Dimensions:	23mm (L) x 16mm (W)
Volume level:	0-30
Earphone Out:	10mW max. / channel (16 Ohm)
Frequency Range:	20Hz ~20000Hz
Signal to Noise Ratio:	> 90dB (earphones)
Language Display:	8 language font display (English, French, German, Italian, Spanish, Portuguese, Traditional Chinese, Simplified Chinese)
Battery:	Built-in Lithium Polymer rechargeable battery (3.7V, 230mAH)
Battery Life*:	10 hours continuous playback time
MP3 to PC Connection:	USB 1.1 or USB 2.0 (Full Speed or High Speed)
Supported Playback Formats:	MP3 (up to 320kbps) WMA / WMA DRM (up to 192kbps)
Player Firmware:	Upgradeable via www.oregonscientific.com

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*Time under normal operating conditions (normal room temperature, MP3 128kbps, volume level 20). Various factors can affect battery life, including backlight, volume, contrast setting, and fast-forward / rewinding and shuffling of tracks.

NOTE: Design and specifications are subject to change without notice.

ABOUT OREGON SCIENTIFIC

Visit our website (www.oregonscientific.com) to learn more about Oregon Scientific products such as digital cameras; MP3 players; children's electronic learning products and games; projection clocks; health and fitness gear; weather stations; and digital and conference phones. The website also includes contact information for our customer care department in case you need to reach us, as well as frequently asked questions and customer downloads.

We hope you will find all the information you need on our website, however if you'd like to contact the Oregon Scientific Customer Care department directly, please visit:
www2.oregonscientific.com/service/support

OR

Call 949-608-2848 in the US.

For international enquiries, please visit
www2.oregonscientific.com/about/international/default.asp

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a 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 instructions, may cause harmful interference to radio communications.
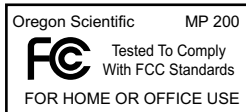
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one 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.

CAUTION: Modification - The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Oregon Scientific, Inc. may void the user 's authority to operate the equipment.

Interface cable - Use the shielded cable sold or provided by Oregon Scientific, Inc. for your equipment. Using other interface cable may exceed the limits of Class B Part 15 of the FCC rules.

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Oregon Scientific   MP 200
FC   Tested To Comply
            With FCC Standards
FOR HOME OR OFFICE USE

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