



Model: MP 130

User Manual
Manuale d'uso
Manuel d'utilisation





DIGITAL MP3 PLAYER (MP130)
USER MANUAL

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Ver.1.1





INTRODUCTION

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Congratulations on your selection of the MP130. This full-featured MP3 Music Player offers a variety of features including multi-format support, FM radio and voice recorder capabilities. Your player combines various playback and audio enhancing features into a portable design that you can wear comfortably around your neck.

MAIN FEATURES

- Current support for MP3, WMA / WMA DRM, and WAV audio file formats
- Multi-format support for mass data storage
- Voice record
- FM radio with option to save up to 30 preset channels
- Built-in 128MB / 256MB / 512MB flash memory (Please refer to indication on the packing)
- Support for Secure Digital and Multi-Media external memory cards (SD / MMC support)
- 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)

ACCESSORIES

- CD-ROM
- Neck strap with stereo earphones
- USB cable
- Carrying pouch
- 1 x AAA alkaline battery





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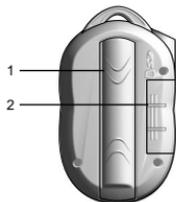
PRODUCT OVERVIEW

FRONT



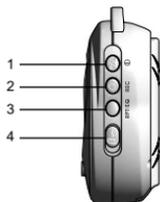
1. Neck strap loop.
2. Earphone jack.
3. LCD display.
4. Microphone.
5. **+**: Increase playback volume / toggle between different font displays in STOP status.
6. **PREV** : Review the current or previous song / back to the previous option.
7. **NEXT** : Skip to the next track or next option.
8. **-**: Decrease playback volume / go back to previous menu settings.
9. **MENU**: Enter menu settings / press to confirm selection.
10. USB port: For USB cable connection.

BACK



1. Battery compartment cover:
Detach to install battery.
2. SD card / MMC compartment cover:
Detach to install SD card / MMC.

SIDE



1. **PLAY / STOP / ON/OFF** : Start and pause playback / stop playback / power on or off.
2. **REC**: Start / stop recording / A-B section repeat / directly enter VOICE mode.
3. **RPT / EQ**: Press to select repeat options / Press and hold to select equalizer options.
4. Button hold switch : Locks / unlocks all buttons.

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ATTACHING EARPHONES / NECKSTRAP

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1. Loop the strap around the MP3 player's loophole and secure tightly.
2. Plug the earphone connector into its corresponding jack.

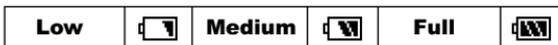
GETTING STARTED

INSTALLING THE BATTERIES

Before using your player for the first time, you should first install the battery. Be sure to check the polarity when inserting the battery into the battery compartment.



The battery status indicators are as follows:



NOTE: When the battery icon shows , replace with a new battery as soon as possible.

SYSTEM REQUIREMENTS

Before you begin, please check to make sure your computer meets the following system requirements:



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- Intel® Pentium® 133MHz or faster
- CD-ROM Drive
- USB 1.1 or USB 2.0 support
- 10MB free hard disk space
- Microsoft® Windows® 98SE, Me, XP or 2000 with Service Pack 3.0 or above installed
- Mac OS 10.2 or above

DRIVER SOFTWARE INSTALLATION (FOR WIN98SE USERS ONLY)

WINDOWS 98SE

Installing the MP130 driver software will allow your computer to recognize your MP3 player each time it is connected to the computer.

1. Insert the MP130 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

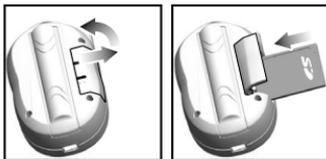
When you connect your MP3 player to your PC, it will appear as two removable drives (i.e., Removable Disk (H:) and Removable Disk (I:)).

MACINTOSH 10.2 or above

When you connect your MP3 player to your Macintosh, it will appear as two drive icons on the desktop (i.e., Untitled).

INSTALLING EXTERNAL MEMORY CARDS (SD / MMC)

Secure Digital and Multi-Media memory cards are external memory cards that can be inserted into your MP3 player for storing data transferred from the PC.



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1. Turn off the player.
2. Slide the card into the memory slot until it clicks into position.

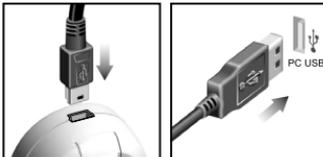
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NOTE: SD cards or MMC will not insert fully into the slot if it is facing the wrong way. Be careful not to apply undue force to the cards. To ensure the card is inserted securely, push the card gently into the slot until a click is heard. To remove the card press down on the card first to eject, then pull out.

NOTE: Some brands of SD cards / MMC utilize a write-protect switch that protects against accidental erasure of data or prevents data stored on the card from being accessed. Please make sure the switch is in the unlock/unprotect position before inserting the card into the player.

CONNECTING THE PLAYER TO PC

To connect your player to your computer:



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

FILE TRANSFER

After connecting your MP3 player to the computer, the computer will detect and identify the device as two removable storage drives, allowing you to drag and drop files between your computer and your player.

Two removable storage drives are:

1. Internal storage of your player (i.e., Removable Disk (H:))
2. External card storage (i.e., Removable Disk (I:))

Your player supports the following audio file formats for playback:

- MP3 (MPEG-1, Audio Layer 3)
- WMA (Windows Media Audio) / WMA DRM
- WAV

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To transfer files to and from your PC and player:

1. Double click the **My Computer** icon.
2. Double click the drive letter (i.e. Removable Disk (H:) or Removable Disk (I:)) 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: Your MP3 player is equipped for mass data storage support. This means that it can also be used as a portable hard drive to store and transport all forms of computer data files. You will not be able to view or play any of the stored data unless it is one of the supported audio formats.

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 THE PLAYER FROM PC

Disconnecting the player while transferring data may corrupt the data or result in data loss. Follow the procedures below to disconnect the player from your computer running the following operating systems.

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.

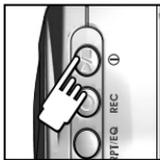
MACINTOSH 10.2 or above

Drag and drop the "Untitled" icons from desktop to the "Trash" icon for eject the player before disconnecting.



POWER ON / OFF

POWER ON



To turn the power on, press and hold **▶/■** for 2 seconds. A welcome screen will greet you. After a few seconds the unit will enter Music mode (STOP status with **■** icon displayed).

NOTE: In STOP status, a power saving feature will cause your MP3 player to automatically shut off if no audio is being played and no keys are pressed within 1 minute. The power will not automatically shut off when connected to the PC.

POWER OFF

To turn the power off when your MP3 player is in STOP status:

Good Bye

- Press and hold **▶/■** until after the "Good Bye" screen appears.

MODES

There are 3 main modes to choose from: MUSIC, VOICE and RADIO. To enter each mode:

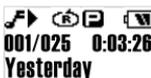


1. Press **MENU** to enter the main mode of your choice.
2. Press **MENU** again and use **▶▶** or **◀◀** to select MUSIC, VOICE or RADIO mode.
3. Press **MENU** to confirm selection.

TIP: You will see a memory card icon  appear on the LCD if the SD card / MMC is detected successfully. If a track is being played from external card memory, an icon  is displayed.



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MUSIC**PLAYBACK**

1. Press and hold ►/■ to turn the power on.
2. Press ►/■ to start playback.

TIP: See section "MENU NAVIGATION" for information about how to:

- Display elapsed or remaining track time by changing the "TIME" setting.
- Change the scrolling speed of a track name displayed under the "SCROLLING SPEED" section.

STOP / PAUSE

1. During playback, press ►/■ once to pause the track; the icon is displayed.



2. Or you can press and hold ►/■ to stop the track and the ■ icon is displayed.

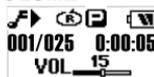
NOTE: When your player has stopped playing a track, you will not be able to resume play from the last song track position.

SKIP / FAST FORWARD / REWIND

ACTION	BUTTON PRESS
Skip forward	Press ►► repeatedly to skip to the next tracks.
Skip backwards	Press ◀◀ repeatedly to skip back to previous tracks.
Fast Forward	Press and hold ►► to fast-forward the current song. The ►► icon will appear on the display.
Rewind	Press and hold ◀◀ to rewind the current song. The ◀◀ icon will appear on the display.



VOLUME



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



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

VOICE

Recorded voice files are saved in .WAV format (i.e., VOICE001.WAV) and saved in a folder called "VOICE" in your MP3 player. After a recording has been made, you can retrieve and then playback the voice files in VOICE mode.

TIP: You can change the default names after uploading the files to the VOICE folder of the Removable Disk icon shown on your computer and renaming them.

RECORDING

1. Press **REC** to begin recording. The recording icon  is displayed.



1. **REC** icon
2. Total remaining time
3. Voice recording file name
4. Recording elapsed time

2. Press **REC** to stop recording.

NOTE: If the memory availability runs out, the player will deactivate the recording function.

WARNING: Removing the battery or dropping the player during recording will damage the recorded file.

WARNING: The player's flash memory may become corrupted during voice record mode, when the unit is powering down, or if there is undue shock applied to the unit. To fix the problem if this occurs, upgrade to the latest firmware. Please see section on "UPGRADING FIRMWARE: WINDOWS USERS ONLY" for more information.

PLAYBACK

1. Press **▶▶** or **◀◀** to select the desired track.
2. Press **▶/■** to begin playback.



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1. Playback icon
2. File number
3. Voice file name
4. Playback elapsed time

3. Press again to pause playback. Press and hold **▶/■** until the **■** icon is displayed to stop playback.

PLAYBACK TRACK SECTIONS (A-B REPEAT)

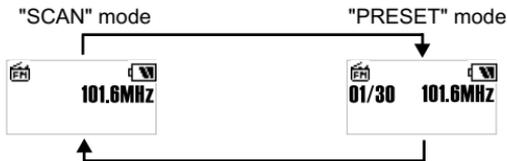


1. While playing a track, press **REC** once to mark the start of the section you wish to repeat. The icon **A~** is displayed.
2. Press **REC** again to mark the end of the section. Your marked section is now ready to play repeatedly and the icon **A-B** will appear on the display.
3. Press **REC** again to resume normal play.

RADIO (FM 87.5MHZ~108MHZ)

While in RADIO mode, you can listen to the radio channels you preset into the device.

Press **▶/■** to switch between "SCAN" and "PRESET" mode.



TIP: During the first time you access the RADIO mode, the player will do a one-time auto-select of radio channels and save them in sequential order. While auto saving channels, the buttons are locked.

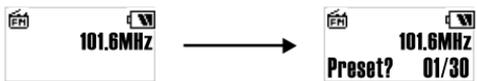
SCAN / PRESET CHANNELS

You can either scan for radio stations automatically or manually. When scanning for a station automatically, you player will automatically scan frequencies and stop scanning when a signal strong enough to listen to is detected.





1. Enter "SCAN" status.
2. Press ►► or ◄◄ repeatedly to search for a station manually, or press and hold ►► or ◄◄ to search automatically.
3. If a radio station is being searched and stops to identify a channel to preset, press and hold MENU to save the channel.



4. Press ►► or ◄◄ repeatedly to select a desired channel or press ►/■ to exit current screen without saving. Up to 30 channels can be preset / saved.
5. Press **MENU** again to confirm preset. The channel number will be displayed.

NOTE: FM scanning reception may vary in different areas.

LISTENING TO PRESET CHANNELS

1. Enter "PRESET" status.
2. Press ►► or ◄◄ to move to the next or previous preset channels (01 / 30~30 / 30).

MENU NAVIGATION

Once you have chosen which of the 3 main modes to access, you can access and adjust the various menu options (Repeat, Equalizer, Delete, Display, Memory, and Settings):

1. Press **MENU** until the menu settings screen shows.
2. Press ►► or ◄◄ to scroll through the list of options.
3. Press **MENU** to select the desired option.

- TIP:** A) Press - to revert back to the screen you last accessed.
 B) Press ►/■ once or press and hold-to return to current mode (Music / Radio / Voice).

Please read below for a summary of menu options.





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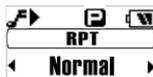
NO.	MAIN MENU	MENU OPTIONS / SUBMENUS	
1	MODE	Music	
		Radio	
		Voice	
2	RPT	Normal, One, All, Ran, RPT Ran	
3	EQ	Normal, Rock, Jazz, Classic, Pop	
4	DELETE	One / All	
5	DISPLAY	BACKLIT	Off, 3sec, 7sec, 15sec
		CONTRAST	00 to 10
		SCROLL SP	Off, 1, 2, 3, 4
6	MEMORY	Total, Free, Firmware version	
7	SETTINGS	LANGUAGE	English, French, German, Italian, Spanish, Portuguese
		TIME	Elapse / Remain
		TAG	Off / On
		DEFAULT	No / Yes

NOTE: If no key is pressed for 5 seconds during menu navigation, you will return to the current mode (Music / Radio / Voice) last viewed.

NOTE: A file called "SETTINGS.DAT" appears on the drive the player is assigned to on your computer; this file stores all menu settings. Deleting this file will cause the player to return to its default settings.

REPEAT

You can select one of five repeat patterns in MUSIC or VOICE modes:



1. Press **▶▶|** or **◀◀** to select the desired repeat option.
2. Press **MENU** to confirm.



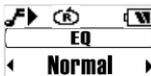
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ICON	RPT Pattern	DESCRIPTION
—	Normal	All tracks are played once from the first track to the last track.
	One	Repeats the current track. You can press ▶▶ to skip to the next track.
	All	Play all tracks once repeatedly.
	Ran	All tracks are randomly selected and played back once.
	RPT Ran	All tracks are randomly selected then played back once repeatedly.

NOTE: RPT is not available as a menu option in RADIO mode.

EQUALIZER (EQ)

You can choose from 5 equalizer settings in MUSIC and VOICE modes:



1. Press **▶▶** or **◀◀** to select the desired EQ setting.
2. Press **MENU** to confirm.

ICON	—				
EQ SETTING	Normal	Rock	Jazz	Classic	Pop

NOTE: EQ is not available as a menu option in RADIO mode.

DELETING FILES

To delete files on your MP3 player:



1. Press **▶▶** or **◀◀** to select "One" or "All".
2. Press **MENU** to confirm selection and stop the track that is playing back.



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DELETE ONE

1. Press **▶▶** or **◀◀** to choose a track for deletion.
2. Press **MENU** to delete the track. "File deleted" and the free memory will be displayed to confirm that the file has been erased.

DELETE ALL

1. If you selected the delete "All" option from the menu and you pressed **MENU** to confirm, "Files deleted" will be displayed to confirm the deletion.

NOTE: Please be careful when deleting files; once erased they cannot be retrieved.

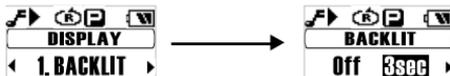
DISPLAY SETTINGS

While in the DISPLAY menu, you can choose to adjust the backlight, contrast, or scrolling speed options.

BACKLIGHT

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 **▶▶** to select the BACKLIT, then press **MENU** to select it.
2. Press **▶▶** or **◀◀** to scroll between OFF, 3sec, 7sec, 15sec second durations.



3. Press **MENU** to confirm your selection.

CONTRAST

To increase contrast settings so you can read the display more clearly in bright lighting conditions:

1. Press **▶▶** to select CONTRAST, then press **MENU** to select it.
2. Press **▶▶** or **◀◀** to choose contrast settings between 00-10.
3. Press **MENU** to confirm your selection.





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SCROLLING SPEED

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

1. Press **▶▶** to select **SCROLL SP**, then press **MENU** to select it.
2. Press **▶▶** or **◀◀** to scroll between "OFF, 1, 2, 3, 4" speed levels.
3. Press **MENU** to confirm your selection.



MEMORY

To check the status of your player's memory, external card memory or firmware version:



1. Press **▶▶** to scroll to **MEMORY**, then press **MENU** to select it.
2. Press **▶▶** or **◀◀** to scroll between "[I] T.", "[I] F.", "[C] T.", "[C] F.", "Ver".



- Total amount of internal memory.



- Amount of free internal memory .



- Total amount of external card memory.



- Amount of free external card memory.



- The firmware version of your player.

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



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SETTINGS

While in the SETTINGS menu, you can choose to adjust the language, time display, tag information, and default setting options.

LANGUAGE

To set the display language in English, French, German, Italian, Spanish, or Portuguese:



1. Press **▶▶** to select the LANGUAGE setting, then press **MENU** to select it.

2. Press **▶▶** or **◀◀** to scroll through the different language options.
3. Press **MENU** to confirm selection.

TIME DISPLAY

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

1. Press **▶▶** to select TIME, then press **MENU** to select it.



2. Press **▶▶** or **◀◀** to choose between "Elapse" or "Remain" play time display settings.
3. Press **MENU** to confirm selection.

TAG INFORMATION

Your player supports ID3v1 and ID3v2 Tag information. This format allows you to represent information such as the song title, artist name instead of the standard track file name. Tag editing is normally done on your computer using Tag editing software tools.

To activate Tag information display:

1. Press **▶▶** to select TAG, then press **MENU** to select it.



2. Press **▶▶** or **◀◀** to scroll to "Off" or "On".
3. Press **MENU** to confirm selection.

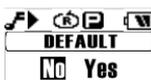
NOTE: If the track contains both ID3v1 and ID3v2, only the ID3v2 information will be displayed during playback.



DEFAULT

To return the player to default settings:

1. Press **▶▶▶** to select **DEFAULT**, then press **MENU** to select it.
2. Press **▶▶▶** or **◀◀◀** to choose "Yes" or "No".
3. Press **MENU** to confirm your selection.



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Factory default presets are:

SETTINGS	DEFAULT VALUE
Volume Level	15
RPT	Normal
EQ	Normal
BACKLIT	3 seconds
CONTRAST	Level 3
SCROLL SP	Level 2
LANGUAGE	English
TIME	Elapse
TAG	On

BUTTON HOLD

You can activate an all button hold function, which locks all buttons to prevent the buttons from being accidentally pressed. The button hold indicator  will show when buttons are locked.



To lock all buttons, simply slide the HOLD switch to the on position.



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UPGRADING FIRMWARE (WINDOWS USERS ONLY)

Upgrading your MP130 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.

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**, please select **FAT** 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

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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.
- 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.
- 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.
- Remove the battery if the player is not to be used for a long time.
- Remove dead battery immediately to avoid damage from corrosion.





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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.

The player will not start or shuts off soon after it starts.

Check the battery polarity to make sure the battery is correctly inserted. If the battery level indicator shows low battery, replace with a new battery as soon as possible.

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. Take out and reinsert the batteries, then turn on the player. 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 optimise 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.

Nothing can be saved in the Secure Digital or Multi-Media memory card. The player cannot recognise the card memory.

Ensure the card is inserted into the memory slot properly and that it has extra memory space available for storage. Push the card to eject and reinsert it if necessary. Please see section "INSTALLING EXTERNAL MEMORY CARDS (SD / MMC)" 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. If you are using Win2000, make sure you have installed the Service Pack version 3.0 or above. Please go to Microsoft's website for Windows updates.

Cannot store any more files on the player.

The memory may be full. Delete files to make some room.

SOFTWARE

The MP130 software does not automatically begin when you insert the CD.

You may need to start the installation process manually.

1. Double click the **My Computer** icon on the Windows desktop.
2. Double Click the drive that contains the CD-ROM.
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; if a message was being recorded, it will be lost.

TECHNICAL SPECIFICATIONS

Built-in flash memory:	128MB, 256MB or 512MB (Please refer to indication on the packing)
Dimensions:	65mm (L) x 41mm (W) x 24mm (T) / 27mm (T) max.
Weight:	34 grams (without battery)
LCD dimension:	20mm (L) x 10mm (W), 96 x 48 pixels
Backlight:	EL backlight (Blue)
Record time:	Approx. 8 hours (128MB) Approx. 16 hours (256MB) Approx. 32 hours (512MB)



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FM radio frequency:	87.5~108MHz
Radio preset channels:	30
Volume level:	0-30
Language display:	8 language font display (English, French, German, Italian, Spanish, Portuguese, Traditional Chinese, Simplified Chinese)
Earphone Out:	max. 20mW
Frequency Range:	20Hz~20000Hz
Signal to Noise Ratio:	90dB
Battery:	1 x AAA alkaline battery
Battery Life*:	Approx. 15 hours continuous playback (at room temperature, default volume)
MP3 to PC connection:	USB 1.1 or USB 2.0 (Hi-speed or Full speed)
Supported playback formats:	MP3 (up to 320kbps) WMA / WMA DRM (up to 192kbps) WAV
Player firmware:	Upgradeable via www.oregonscientific.com

*Data is measured with included battery. Various factors can affect battery life, such as temperature, battery type or battery capacity.

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:





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- 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.

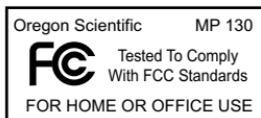
CAUTION: Modification-The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Oregon Scientific, Inc. may void the user's authority to operate the equipment.

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.

Legal Company Name: Oregon Scientific, Inc.

Address: 19861 SW 95th Place, Tualatin, Oregon 97062, USA

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