Oregon
S C I E N T I F I C

Model: MP 210

User Manual
Manuale d'Uso
Manuel d'Utilisation

ⓒregon
S C I E N T I F I C

DIGITAL MP3 PLAYER (MP210)
USER MANUAL

CONTENTS

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INTRODUCTION

Congratulations on your selection of the Oregon Scientific™ MP210. 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, up to 512MB built-in memory - all in a slim, credit card-sized design.

MAIN FEATURES

- World's first see-through display MP3 player with LED light
- Support for MP3, WMA and WAV audio file formats
- FM radio with option to save up to 30 preset channels
- Voice recording
- 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
- Neck strap with stereo earphones
- USB cable
- Carrying pouch
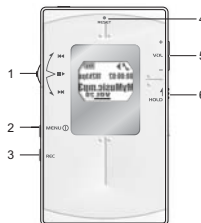
1

PRODUCT OVERVIEW

FRONT

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

BACK

1. **JOG** button: ▶▶| Skip to the next track or next option; |◀◀ Re view the current or previous track / back to the previous option; ■▶ Start and pause playback / stop play back / confirm selection
2. MENU ⓘ button: Press and hold to turn the power on or off; Enter or exit menu settings
3. **REC** button: Start recording / direct enter VOICE mode from MUSIC mode / A-B section repeat
4. **RESET:** Resets the unit
5. **VOL + / - :** Press to change the volume
6. **BUTTON HOLD**: Lock button controls to prevent activation

2

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 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 MP210 driver software will allow your computer to recognize your MP3 player each time it is connected to the computer.

1. Insert the MP210 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).
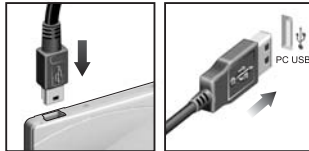
CONNECTING THE PLAYER TO YOUR COMPUTER / CHARGING THE BATTERY

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

3

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 [icon]. Please disconnect the player when charging is finished unless you are transferring files. The battery status indicators are as follows:

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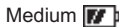
NOTE: When the low battery indicator shows [icon], recharge the battery as soon as possible. When the battery icon shows [icon], this indicates the battery is about to run out of power within a few seconds.

 NOTE: Charging time may very depending on the computer's USB usage status.

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 data 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:)) 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), WMA (Windows Media Audio), or WAV (IM ADPCM) audio formats.

4

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

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 ᴹᴱᴺᵁ① for 2 seconds. The unit will enter STOP status with ■ 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 ᴹᴱᴺᵁ① a few seconds until after the "Good Bye" screen appears.

5

MODES

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

1. Press **MENU** to enter the main menu.

2. Press ■▶ to choose **MODE**. Press ▶▶| or |◀◀ to select MUSIC, RADIO or VOICE mode.
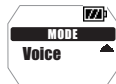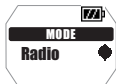
3. The current mode is ticked with a checkmark. Press ■▶ to confirm selection.

MUSIC

PLAY

To playback music files stored on your player:

1. Press ■▶ to start playback.

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.

6

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.
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.

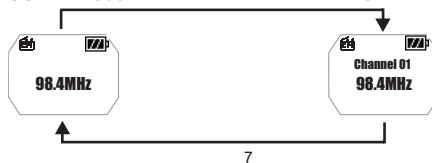### RADIO (FM 87.5MHZ ~ 108MHZ)

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

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

"SCAN" mode   "PRESET" mode

7

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.

```
📻          📶
  Scanning...
  98.4MHz
```

```
📻          📶
  Preset  01?
  98.4MHz
```

1. Enter "SCAN" status.
2. Press ▶▶| / |◀◀ repeatedly to search for a station manually, or press and hold ▶▶|/|◀◀ to search automatically.
3. If a radio station is being searched and stops to identify a channel to preset, press and hold ■▶ to save the channel.
4. Press ▶▶| / |◀◀ repeatedly to select a desired channel or press **MENU** to exit current screen without saving. Up to 30 channels can be preset / saved.
5. Press ■▶ again to confirm preset channel.

NOTE: FM scanning reception may vary in different areas. The earphones function as an antenna of radio and must be plugged into the unit during frequency scanning.

LISTENING TO PRESET CHANNELS

1. Enter "PRESET" status.
2. Press ▶▶|or|◀◀ to move to the next or previous preset channels (01~ 30).

> **VOICE**

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

RECORDING

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

8
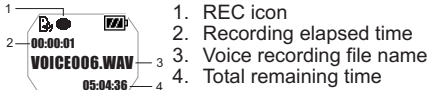
1. REC icon
2. Recording elapsed time
3. Voice recording file name
4. Total remaining time

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

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

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 ▶▶|/|◀◀ to select the desired recorded voice files.
2. Press ■▶ to begin playback.

1. Playback icon
2. Playback elapsed or remaining time
3. Voice file name

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 is **A·** 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.

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 main 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.

9

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

NO.	MAIN MENU	MENU OPTIONS / SUB-MENUS	
1	MODE	Music	
		Radio	
		Voice	
2	RPT	Normal, One, All, Ran, RPT Ran.	
3	EQ	Normal, Rock, Jazz, Classical, Pop.	
4	DELETE	One / All	
5	DISPLAY	BACKLIT	Off, 3s, 7s, 15s
		CONTRAST	1 to 10
		SCROLL	Off, 1, 2, 3, 4
6	MEMORY	TOTAL, FREE, VERSION	
7	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)

To select 5 repeat patterns in MUSIC and VOICE modes:

1. Press ▶▶| / |◀◀ to select the desired repeat option.
2. Press ■▶ to confirm selection.

10

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

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

EQ (EQUALIZER)

To select 5 equalizer settings in MUSIC and VOICE modes:
1. In EQ menu, press ▶▶|/|◀◀ to select the desired EQ setting.
2. Press ■▶ to confirm selection.

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

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

DELETE

1. Press ▶▶|/|◀◀ to select "One" or "All".

DELETE
One

DELETE
All

2. Press ■▶ to confirm a selection and stop an audio file that is playing back.

11

DELETE ONE
1. Press ▶▶|/|◀◀ 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 Files" option and you pressed ▣▶ to confirm, "Files deleted" will be displayed to confirm the deletion.

NOTE: Once files are deleted they cannot be retrieved.

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

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 ▶▶|/|◀◀ to choose between "OFF, 3s, 7s, 15s" second durations.
2. Press ▣▶ to confirm a selection.

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

1. Press ▶▶|/|◀◀ to choose contrast settings between 1-10.
2. Press ▣▶ to confirm your selection.

NOTE: High contrast settings may lower battery life.

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 the text that is left off the screen:

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

12

MEMORY AND FIRMWARE

To check the status of your player's total or available memory, or firmware version:

1. 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 choose one and confirm selection.

TIME

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

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

TAG (TAG INFORMATION)

Your player supports ID3v1 and ID3v2 Tag information. This format allows the player to represent track 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.

13

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 properly 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 MP210 MP3 player with the latest firmware ensures the device provides optimal playback performance:

1. Go to the Oregon Scientific website (www.oregonscientific.com) to download the MP210 firmware update (.zip file).
2. Unzip the file into the directory recommended by Windows and install the software by double-clicking "setup.exe".

NOTE: If this is not the first time you are performing a firmware upgrade, please uninstall the old version before installing the new firmware update.

NOTE: The firmware upgrade and formatting of the player through the Macintosh computer is not supported.

3. After the firmware has been installed, restart your computer.
4. After the PC has finished booting up, connect your MP3 player to the PC via the USB cable.
5. Run the software by going to **Start>Programs>Oregon Scientific MP210>Firmware Upgrade**.

14
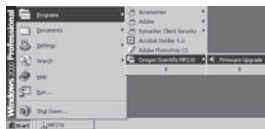
6. The current and updated firmware version is displayed in a window. Click the **Start** button to begin the firmware upgrade process.
7. If a window pops up with the prompt, "Application has detected that firmware download will result in formatting the data area. Formatting data area will erase the media contents," cancel the upgrade process and back up the data stored on player onto your computer first. Then restart the process again.

8. Or, you are given the option to format your MP3 player before the firmware upgrade. Check the Format Data Area box and then click the **Start** button. All data stored in the MP3 player is erased and the firmware upgrade process begins.
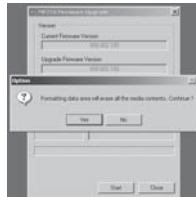
9. Click the **Close** button to close the software once the process is completed.
10. Unplug the MP3 player from the computer.

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 the **FAT** as the format.

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

15

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 place 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.
- To minimize battery overcharge, which can lead to poor battery performance, disconnect the player from the PC by detaching the USB cable once the battery has been fully recharged.

16

- 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.

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.

17

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 MP210 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
(refer to indication on packing)
Dimensions: 91mm (L) x 53mm (W) x 6.6mm (T)
Weight: 40g (with battery)
LCD Dimensions: 23mm (L) x 16mm (W)
FM Radio Frequency: 87.5~108MHz
Radio Preset Channels: 30
Volume level: 0-30
Earphone Out: 10mW max. / channel (16 Ohm)
Frequency Range: 20Hz~20000Hz
Signal to Noise Ratio: > 90dB (earphones)
Language Display: Six-language filename and menu
display (English, French, German,
Italian, Spanish, Portuguese)

18

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 (up to 192kbps) WAV (IM ADPCM)
Player Firmware:	Upgradeable via www.oregonscientific.com

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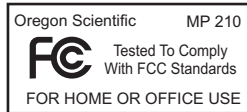
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one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

Legal Company Name: Oregon Scientific, Inc.
Address: 19861 SW 95th Place, Tualatin, Oregon 97062, USA
Phone, Fax: (1) 800-853-8883, (1) 503-684-8883

Oregon Scientific	MP 210
FC	Tested To Comply With FCC Standards
FOR HOME OR OFFICE USE	