


Contents

Introduction	1
Key Features	2
Getting Started	4
Using the Voice Recorder	5
Battery Switch	5
Set Date and Time	5
Recording	6
Begin Recording	6
Display Remaining Record Time ..	7
Mark Indexes	7
Mark Messages as Important	7
Folder Selection	8
Record Quality Selection	8
"FULL" Displayed On Screen	8
Microphone Sensitivity	8
Voice Activated Recording	9
Connecting External Microphone ..	9
Playback	9
Playing Back a Message	9
Functions During Playback	10
Connecting Your Earphone	10
Changing Playback Speed	11
Searching Important Messages ...	11
Erasing Messages in STOP Mode	11
Voice Recorder Settings	11
Configure Settings	11
Table of Settings	12
Button Press Confirmation Beep ..	12
Format	12
Additional Features	12
Locking Recorder Buttons	12
Battery Life	13
Resetting the Unit	13
Voice Recorder Link	13
Voice Recorder Link Software	13
LCD Displays Connected to PC ..	13
System Requirements	14

Voice Recorder Software	14
Installing the Software	14
Attach Voice Recorder to PC	14
Loading Voice Recorder Program	15
Display Information	15
Recorder Playback (PC)	15
Saving Messages (Recorder/PC)	15
Loading Messages (PC/Recorder)	16
Deleting Messages in Recorder ..	16
Troubleshooting	17
Digital Voice Recorder	17
Software	18
Safety and Care	19
Technical Specifications	20
About Oregon Scientific	20


Introduction

Thank you for selecting the Oregon Scientific™ VR636 Digital Voice Recorder. The VR636 is ultra compact and easy to use, making it ideal to bring along for voice memos, conversations, and discussion recordings. This device allows you to record up to 198 messages, totaling up to 265 minutes recording time and has the ability to organize recordings into 2 separate folders. This product also incorporates solid-state memory to keep messages safe even when batteries run out.

Other features of this product include:

- **PC-Link**
Transfer messages to and from PC
- **Index Marking**
Helps you search for desired sections in a message

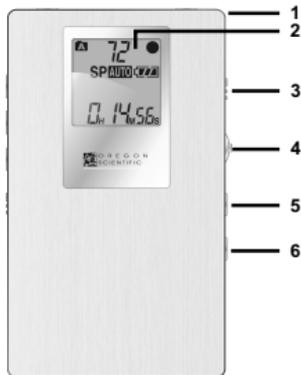
- **Important Marked Messages**
Mark messages as important to prevent them from accidentally being erased
- **MIC Sensitivity Control (Hi or Lo)**
Maintain good recording quality independent of voice loudness
- **Voice Activated Recording (Auto)**
Start and stop recording automatically when sound is detected
- **Two Folder Selection**
Organize your memos by placing them in separate folders
- **Jog Button Control**
For easy navigation of features
- **Button Lock**
Lock your recorder to prevent buttons from being accidentally activated



Key Features

NOTE: Images are not drawn to scale.

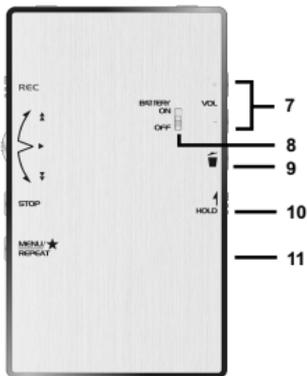
FRONT



Description

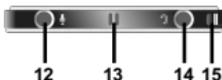
1. **Strap Connector:**
Use this to attach the supplied strap.
2. **LCD:**
Shows various statuses.
3. **REC Switch:**
Starts or stops recordings.
4. **Jog Button:**
 - Fast Forward (▶▶) / Rewind (◀◀) or Play / Set.
 - Play current message or Select / confirm various menu options.

5. **Stop Button (■):**
 - Interchange between standby and stop modes.
 - To stop playback.
6. **Menu / ★ / Repeat Button:**
 - Menu: Select operation mode.
 - ★: Mark messages important.
 - Repeat: Repeat messages.

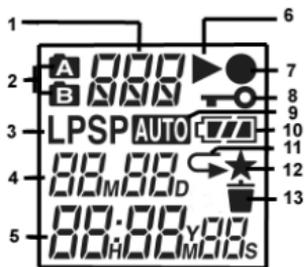
BACK**Descriptions**

7. **VOL +/- Buttons:**
Press to change volume.
8. **Battery On/Off Switch**
When the voice recorder will not be in use for an extended period of time, slide the Battery Switch off to prevent battery drainage.
9. **Erase Button:**
Press to delete messages.

10. **Button Lock Switch:** Locks button controls to prevent activation.
11. **USB Port:**
Attach Cable for PC-Link.

TOP**Descriptions**

12. **External Microphone Connection:** Accepts external condenser microphone.
13. **Internal Microphone**
14. **Earphone Connection** (Earphone provided).
15. **Strap Connector**



Icons	Name	Status
1	Mode status / message counter	Displays current mode / status and message count
2	Folder A / B	Message storage folder
3	Recording Mode	Recording format (Long Play or Standard Play)
4	Date	Current date and date message was recorded

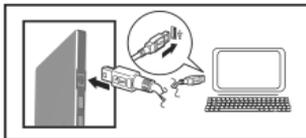
5	Time	Current time and time message was recorded
6	Playback	Message playback
7	Recording	Message is being recorded
8	United Locked	Buttons are locked
9	Voice Activated Recording	Voice activated recording is enabled
10	Battery level	Battery Level
11	Repeat	Repeat playback
12	Important Mark	Message has been marked as important
13	Erase	Erasing File



Getting Started

- Package Contents
 - VR636 Digital Voice Recorder
 - Earphone (mono)
 - Pouch
 - CD-ROM

- PC-Link cable (USB 1.1)
 - Strap
 - User Manual
 - Quick Start Guide
2. Install the VR-Link Software (->14).
 3. Charge the Batteries:



- Slide the Battery Switch to the on position. (It must be on to charge the batteries.)
- Attach the supplied USB cable to the computer's USB port and the recorder's digital terminal.
- PC must be switched on before charging will start.
- The battery status indicator will blink when the battery is fully charged.

Note: Refer to page (->13) for more information about the battery.

4. Press **■** to exit STANDBY MODE.
5. Press MENU to change modes
6. Set time and date (->5).

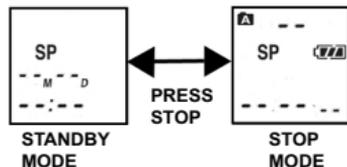
Using The Voice Recorder

Turn the unit on by sliding the Battery switch to the on position. Power must be on for all recording, playback, and setting features to work.

Note: The voice recorder will automatically switch to STANDBY MODE if you do not press any keys for three minutes.

Set the Date and Time

1. Press **■** to exit STANDBY and enter STOP mode.

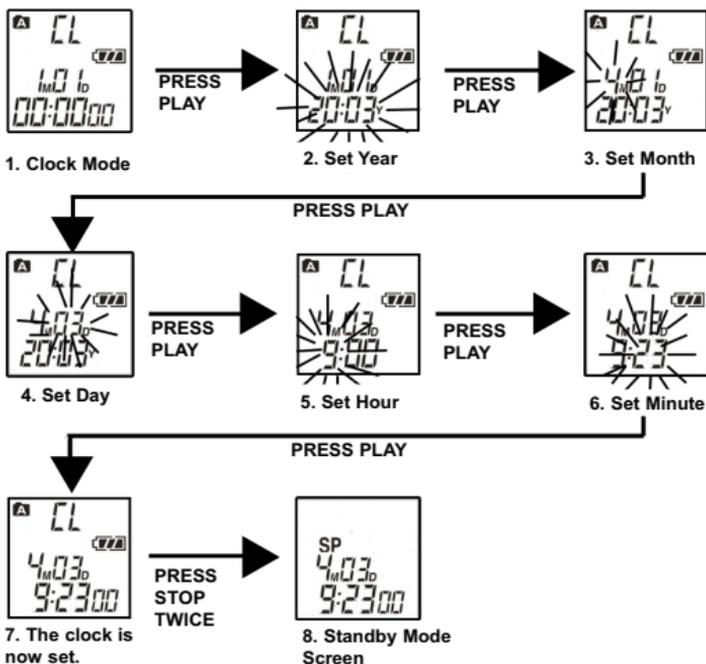


2. Press MENU until SETTING MODE is displayed.



3. Setting the Date and Time:

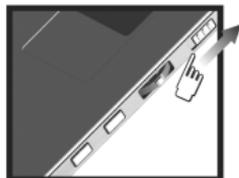
Press **▶** to start changing values. Shifting the jog dial UP **▶▶** or DOWN **◀◀** changes values and pressing **▶** sets them.



Recording

Begin Recording

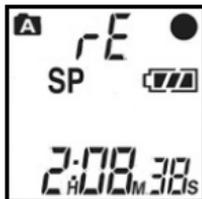
1. To begin recording, simply slide the recording switch to on in any mode.



REC

2. When you want recording to stop, slide the recording switch to off.

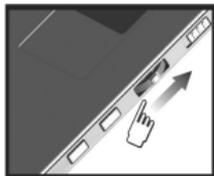
Display Remaining Recording Time



Press ► while recording is in progress. "rE" will show on the display along with recordable time left.

- A total of 125 indexes may be marked per message.
- A single message can be subdivided into indexes for review.

To mark an index:



Note: You can search for indexed portion of message in STOP mode, just toggle ◀◀ or ▶▶

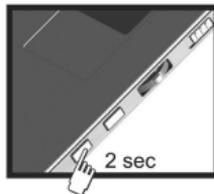
Marking Messages as Important During recording

You can add an important mark by pressing and holding ★ for two seconds during recording or playback.

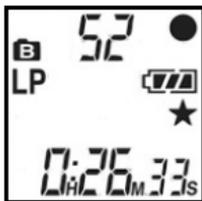
Mark Indexes While Recording



Indexes can be added to messages while recording is in progress so you can later retrieve selected portions of the recording easily.



MENU ★
REPEAT



This prevents users from accidentally deleting important information.

Note: To delete an important mark, press and hold ★ for two seconds during playback or recording.

Folder Selection

You can select two different folders (**A** or **B**) and store up to 99 messages in each.

To select folders:



In STOP mode press MENU until the FOL icon is displayed

- Press ► to activate then choose the desired folder by shifting ►► or ◀◀
- Press ► to save the selection.

Record Quality Selection (SP /LP)

You can choose between two different recording quality settings.

Selection	SP	LP
Quality	High	Low
Recording Time	132	265

"FULL" Displayed On-Screen



Under the following situations the word "FULL" will be displayed:

- Activating REC when the memory is already full.
- Activating REC when the current folder already had 99 stored messages.
- During a recording the memory gets used up.

Note: You can erase messages to make extra room for recording (->11).

Microphone Sensitivity (Sen)

You can choose between two different levels of sensitivity:

Hi

High sensitivity - clear and louder recording, but more susceptible to noise and distortion.

Lo

Low sensitivity - Lower recording volume, but less susceptible to noise and distortion.

Voice Activated Recording (Aut)

Note: Having activated the **Aut** function, you must also slide the record switch on.

Voice Activated Recording In Progress:



Recording begins automatically when sound is detected.

Voice Activated Recording Paused:

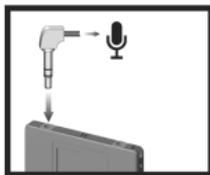


Recording is paused automatically when no sound is detected for two seconds or more.

Tip: If background noise is relatively high and the microphone sensitivity is set to **Hi**, the recorder will not recognize a silence and keep on recording; setting the microphone sensitivity to **Lo** should solve this.

Connecting an External Microphone

To use an external microphone for recording, insert the microphone jack into the microphone connector.



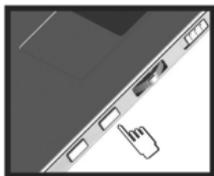
Note: Use a condenser type microphone, other types may not work with your voice recorder.

**Playback****Playing Back Messages:**

1. Enter STOP mode.
2. Press ►► or ◀◀ to select message.
3. Press ► to start playback, ► icon will show on the display.



Press ■ to end.



Functions During Playback

During the playback of messages, the voice recorder can perform a number of different functions:

Functions	Descriptions
Display available recording time	Press ► during playback
Adjust Volume	Press VOL+ or VOL-
Scan forward through current message	Press and hold ►►
Scan backwards through current message	Press and hold ◀◀
Mark important messages	Press and hold ★ (2 seconds) to mark current message

Delete important mark

Press and hold ★ (2 seconds) to delete ★ mark while message is playing back

Repeat indexed section playback

Press REPEAT to playback an indexed portion only

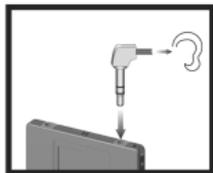
Repeat whole message

Press REPEAT to playback an entire current message if no indexes have been marked on it

Connecting Your Earphone

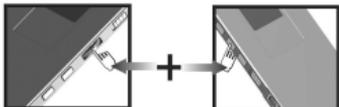
Use the included earphone to listen to messages.

Caution: Using the earphone to listen to very loud messages may cause permanent ear damage. Lower the volume of the recorder before listening.



Changing Playback Speed

While message is playing back:



Press **▶** and **VOL -** simultaneously to *decrease* playback speed (S-Play).



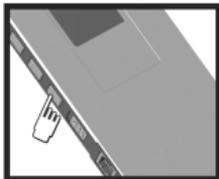
Press **▶** and **VOL +** simultaneously to *increase* playback speed (F-Play).

Note: Time count shown may be inaccurate during fast or slow playback.

Searching for Important Messages In STOP Mode:

- Press and hold **★** for two seconds.
- Search for previous or next important message by pressing **▶▶** or **◀◀**.

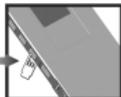
Erasing Messages in STOP mode



Press and hold **🗑** for two seconds, press **▶** to confirm the deletion.

Erasing all messages except those marked as **★** :
Press and hold **🗑** and **■**, press **▶** to confirm.

Note: Settings remain unchanged after messages are erased.



👉 Voice Recorder Settings

Your voice recorder has various settings that can be configured:



Note: Before you can access any settings functions, you must first press **■** to enter STOP mode.

- To change recorder settings, in STOP MODE press MENU to find the desired function.
- Change the mode settings by pressing PLAY (▶) and adjust settings by sliding ◀◀ or ▶▶
- Press ▶ button to confirm settings.
- Press ■ button to exit settings.

Setting	Description	Options
FOL	Currently active folder selected	Folder A / Folder B
SP	Different recording quality and capacity	SP (Standard Play) / LP (Long Play)
CL	Clock setting	Adjust time and date
SEn	Adjust sensitivity of microphone	Hi / Lo
Aut	Voice activated recording	On / Off
bE	Button press confirmation tone	On / Off
FO	Format	Format memory

Folder selection (FOL)

Choose the current folder (Folder A or Folder B) to organize your messages. Each can hold up to 99 messages.

Button Press Confirmation Beep (bE)

This feature alerts the user every time a button has been pressed.

Note: Button press confirmation beep will not sound during recording to prevent the beep tone from being recorded.

Format (FO)

This feature formats the memory.

In format setting press ▶, when **FO** blinks press and hold  to begin formatting memory.

Note: All memory, including files marked as important will be erased.



Additional Features

Locking Recorder Buttons



This feature disables all recorder buttons, preventing playback, and erasing of messages. Simply slide the HOLD switch into position to lock all buttons; the hold key indicator will turn on.

Note: You can still make recordings while the unit is locked.

Battery Life

Fully Charged, the built in Li-Polymer battery should last approximately:

- 6 hours of continuous playback at maximum volume.
- 10 hours of continuous recording.

Note: When the battery is low, only the time and date will show, none of the buttons will work.

When the voice recorder will not be in use for an extended period of time, slide the Battery Switch off to prevent battery drainage.



Resetting the Unit

Your voice recorder may need to be reset if the device is not functioning properly. Slide the Battery switch to the off position and wait 5 seconds before sliding the switch back on.

Note: Recorded messages are not erased after the Battery switch has been turned off.



Voice Recorder Link

Oregon Scientific Voice Recorder Link Software Features

- Save digital recordings (including date/time stamp) from voice recorder to PC.
- Load digital recordings (including date/time stamp) from PC to voice recorder.
- Archive and organize important recordings.
- Convert recordings into *.WAV file format for use with different programs.
- Send voice files as attachments with emails.

Digital Recorder LCD Displays When Connected to the Computer:



PC is displayed when connection is established. In this state voice recorder buttons are inactive.



Error message is displayed when an internal error occurs.

SYSTEM REQUIREMENTS

Before installing the Voice Recorder Link software onto your computer, you must first check to make sure your system meets the following requirements:

- Operating System - MS-Windows 98 & 98SE, MS Windows ME, MS-Windows 2000 Professional or MS Windows XP Home Edition, and MS-Windows XP Professional.
- CPU requirement - Pentium 233MHz (Pentium II 300MHz or above is recommended).
- Available hard-disk space - 5MB for software and 300MByte for recorded data.
- CD ROM drive.
- RAM size - 64MByte (128MByte or above is recommended).
- Display - SVGA or above.
- Audio - 16 bit sound card.
- Communication port - 1 available USB port.

Note: The Voice Recorder Link software is not compatible with Macintosh operating systems.

Voice Recorder Link Software

STEP 1: Install the Software (First Time Users)

1. Shut down any programs that are running.
2. Place the software disk into your computer's CD-ROM drive.

The installer should begin automatically. If the installer doesn't begin automatically, initialize it manually by:

- A. Double-click **My Computer** icon on desktop.
- B. Double-click **CD-ROM** icon.

3. Click **Next**



4. Follow the onscreen installation guide.

5. When installation is complete click **Finish**.



Note: In Windows XP, please click the (Continue Anyway) when the "Hardware Installation" window pops up.

STEP 2: Attach Voice Recorder to PC

Once the software is successfully installed, attach the supplied USB cable to the computer's USB port and the recorder's digital terminal (->5).

STEP 3: Load the Voice Recorder Link Program



Double click the desktop shortcut.

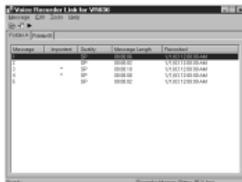


You can either:

- Save the highlighted message on the PC in (*.WAV) format and then play it.
 - Play a previously saved (*.WAV) message
3. Choose the directory you want to save the file to (Save As), or you can play a message by selecting (Open), then finding the file where the message is located.
 4. Your default *.WAV format player should begin playing back the message.

STEP 4: Display Message Information

If everything is attached correctly, when you start the program your digital voice recorder will automatically connect. This screen will show all the messages recorded on your voice recorder:



Playback Messages Recorded on Your Digital Voice Recorder / Saved on Your PC:

1. Select desired message by choosing one of the following methods:
 - Press **Play** button (▶).
 - Select **Message Play** in pull down menu.
 - Right click **Message** and then select **Play**.
 - Double click the message
2. The following dialog box will appear:

Saving Messages (Recorder to PC)

1. Select the desired message by choosing one of the following methods:
 - Press the **Save** icon: 
 - Select **Message** and then **Save from Voice Recorder to PC** in pull down menu.
 - Right click message and then select **Save from Voice Recorder to PC**.
2. Choose the location, name and file format to save your information:

File Format	Record Quality
PCM (*.wav)	High
Truespeech (*.wav)	Low
RAW (*.dwb)	Same

Note: The RAW file format cannot be listened to, and is for backup purposes only. It can be loaded from the PC to voice recorder.

The default save file name includes the following information:

 MSGA03_0101_0000

- MSG: Message
- A: From folder **A**
- 03: Message Number
- 0101_0000: Month/Day/Hour/Minute

Loading Messages (PC to Voice Recorder)

When a connection between your PC and Voice recorder has been established, you can load previously saved messages in (*.dvb) format by:

1. Select the folder by Either:
A / B tab

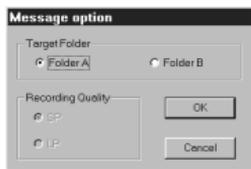


OR

Menu (**Tools**) -> **View**
->**Folder** (A or B)

2. To load, select 
3. Choose the desired (*.dvb) message to load to your voice recorder.

4. A message option box will popup, choose the folder on your voice recorder you want the message to be saved to, then click **OK**

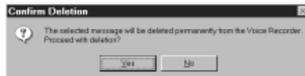


NOTE: Indexes marked during recording will remain marked after loading it to the voice recorder.

Deleting Messages in Voice Recorder

Your Digital Voice Recorder must first be connected to the PC:

1. Select the message you want to delete by clicking to highlight it.
2. To clear the message, either:
 - Delete on keyboard
 - **Menu->Edit->Delete**



3. Click **Yes** to confirm.

Note: In PC mode, Messages marked as important cannot be deleted. Please make the deletions on the voice recorder (->8).



Troubleshooting

This section includes a list of frequently asked questions for problems you may encounter with your digital voice recorder unit. Check here before contacting our customer service department.

Digital Voice Recording Unit

Problem	Check	Remedy
No Power	Make sure the Battery switch is on	Turn the Battery switch on (->5)
Buttons do not work	Voice recorder BUTTON LOCK is on	Unlock the BUTTON LOCK switch (->3)
No Sounds	Volume is not turned up	Press VOL+ during playback
	Earphone is not plugged correctly	Make sure earphone is plugged in correctly (->10)
Problem with external microphone	External microphone not plugged in	Make sure microphone is plugged in correctly (->9)
	Condenser type microphone not used	Plug in a condenser type microphone
Cannot record messages "FULL" is displayed on LCD screen)	The maximum 99 messages has been reached in current folder	Erase some messages (->11) or choose other folder with fewer messages (->8)
	Maximum storage capacity has been reached	Erase some messages (->11)
Cannot mark indexes	Maximum amount of 125 indexes has been reached within current message	Start recording a new message (->6)
Operation not normal	Device should be reset	Reset the unit by sliding Battery switch off. Wait 5 seconds, and turn back on (->13)

Software

Problem	Symptom	Check This
Cannot locate voice recorder on PC	Error message states unit is not properly connected	USB cable is properly attached (->5)
Cannot store messages	Error message states memory is full	Erase some messages (->11) to make room Tip: If the message is important then you should first save it (->15)
Time-out error	When transferring a message to and from PC to unit you get no response or a time-out	USB cable is properly attached (->5)
File error	When you try selecting a file format that is not supported	The file was not created by Voice Recorder Link software
Failed to save the file to the selected path	When the selected output path / drive is either full or read only	Please make sure that the selected drive has enough free space, or that any write protect features have been disabled
Memory error	When the PC does not have enough memory for the operation	Delete unwanted files on your hard drive to create space
Unable to playback *.WAV files	When you do not have compatible *.WAV format file player	Install *.WAV format player



Caution

In case of electrostatic discharge, the product may not function properly and will require a manual reset. After reset, messages recorded will remain intact; if a message was being recorded it will be lost.



Safety and Care

SAFETY

To ensure that you use your voice recorder correctly, read these Safety Notes and your User Manual carefully. The warnings given here provide important safety information and should be observed at all times.

GENERAL WARNINGS

- Do not attempt to repair the voice recorder yourself. Contact the retailer or our customer service department if your product requires servicing.
- The voice recorder is a precision instrument. Never attempt to take this device apart. There is a serious danger of powerful electric shocks.
- Do not immerse the voice recorder in water.
- Do not, under any circumstances, touch the exposed electronic circuitry of the voice recorder, as there is a danger of electric shock should it become exposed.
- Take special care when handling a damaged LCD display, as the liquid crystals can be harmful to your health.
- Do not use or store the voice recorder in locations that may adversely affect the product such as rain, snow, desert, and magnetic fields.

- Do not use this device in aircrafts or hospitals. The use of the voice recorder can cause malfunctions in the control devices of other equipment.
- Do not subject the voice recorder to impact or shock while recording.

Cleaning for Your Voice Recorder

Use a soft, dry cloth to clean the LCD display. Use a damp cloth and mild detergent to wipe the unit. Dry immediately.

Storage

Remove the device from the pouch and keep it in a well-ventilated place to prevent molding.

Check all major functions when the voice recorder has been unused for a long period of time to check that the device is fully operational.

OTHER NOTICES

Statement of Responsibility

Oregon Scientific assumes no responsibility for any incidental losses (such as the costs of recording or the loss of income from recording) incurred as a result of faults with this product.

Oregon Scientific will not be held liable for any bodily injury, death, property damages or any other claims of whatever nature resulting from the misuse or negligence of the VR product, whether intentional or unintentional. Oregon Scientific will not be responsible for any deviations in the usage of the device from those specified in the user instructions or any unapproved alterations or repairs of the product.

Copyright

Voices or sounds recorded using your voice recorder 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 protected under copyright laws is only permissible within the restrictions imposed.



Technical Specifications

Type	Description
Recording Medium	Non-volatile flash memory
Recording Time	Standard 132 min
	Long 265 min
Speaker	20mm diameter
Maximum Power	100 mW
PC Connection	USB 1.1
Battery Type	Built-in Li-Polymer battery (300mAh capacity)
Battery Life	Approx. 6 hours of continuous playback
	Approx. 10 hours of continuous recording
Size	91mm(L) x 53mm(W) x 6.4mm (T)
Weight	45g
Display	21.6mm(W) x 21.6mm (L)



About Oregon Scientific

Visit our website (www.oregonscientific.com) to learn more about other Oregon Scientific™ products such as digital cameras, projection clocks, health and fitness gear, and weather stations. The website also includes contact information for our customer service department, in case you need to reach us.

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



FCC Notice

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.

Oregon Scientific

VR636



Tested To Comply
With FCC Standards

FOR HOME OR OFFICE USE