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 Digital Voice Recorder with Laser Pointer (VR383)  
 USER MANUAL
 

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## INTRODUCTION

### BRIEF DESCRIPTION

Thank you for selecting the Oregon Scientific™ Digital Voice Recorder with Laser Pointer as your personal voice-recording product of choice. The VR383 is small in size and easy to use, making it ideal to bring along for voice memos, conversations, and discussion recordings. It is integrated with a laser pointer that can be used as a pointing tool for business and academic presentations. The device allows you to record up to 198 messages with a total duration of 136 minutes and the ability to organize recordings into 2 separate folders. The messages remain intact even when batteries are removed because of the non-volatile memory employed. Other features of the product include:

- **Index marking**  
Helps you to search for the desired section in a message.
- **Section repeat playback**  
Lets you listen to a section of a message repeatedly.
- **MIC sensitivity control (Auto, Hi or Lo)**  
Maintains good recording quality independent of voice loudness.
- **Voice activated recording (VOX)**  
Starts and stops recording automatically by detecting voice activity.
- **Scan playback (first 5 sec. for each message)**  
Helps you to search for the desired message.
- **Laser Pointer**  
Use as a pointing tool for meetings or presentations.
- **Alarm clock**  
Shows daily alarm time.

### SAFETY NOTES

To ensure that you use your voice recorder correctly, read these Safety Notes and your User Manual carefully beforehand. 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.

- Take precautions when handling all battery types. They can cause injuries, burns, or property damage as a result of contact with conducting materials, heat, corrosive materials or explosives.
- 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 your Voice Recorder

#### Cleaning

Monitor	Clean with a soft, dry cloth.
Body	Clean with a damp cloth; dry immediately.

- Do not use benzene, thinner, or similar cleaning agents to clean your voice recorder, as these may cause permanent damage not covered by the warranty.
- Do not scratch hard objects against the LCD screen as it is easily damaged.

### Storing your Voice Recorder

- Remove the batteries before storing the voice recorder for long periods of time. Then, remove the device from the pouch and keep it in a well-ventilated place in order to prevent molding.
- Check all major functions when the voice recorder is unused for a long period of time. This is to ensure the full operation of the device.
- Maintain a regular internal testing and cleaning of your voice recorder.

### 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.

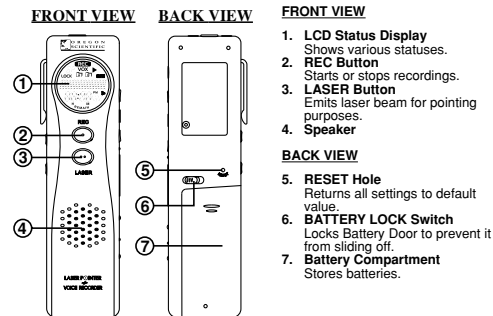
Oregon Scientific will not be held liable for any bodily injury, death, property damages or any other claims of whatever nature resulting from the misuse or negligence of the VR product, whether intentional or unintentional. The product

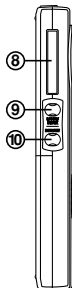
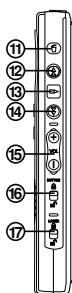
is designed with safety features such as the Laser Lock switch in order to protect the consumer from the potential dangers associated with the laser pointer. Oregon Scientific will not be responsible for any deviations in the usage of the device from those specified in the user instructions or any unapproved alterations or repairs of the product.

### Notes on Copyright

Voices or sounds recorded using your voice recorder cannot be used in ways that infringe copyright laws without the consent of the owner, unless intended only for personal use. 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.

### KEY FEATURES

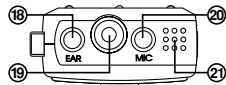


**LEFT VIEW****RIGHT VIEW****LEFT VIEW**

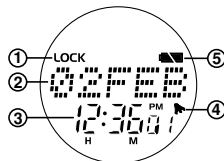
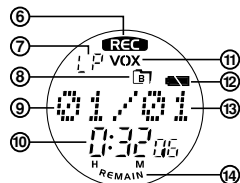
8. **Pocket Clip**  
 9. **MODE/INDEX Button**  
 • MODE: Selects operation mode.  
 • INDEX:  
 - During recording, marks index.  
 - During playback, marks index for repeating.  
 10. **DISP/SET Button**  
 • DISP: Selects information shown on LCD.  
 • SET: Enters and confirms various settings.

**RIGHT VIEW**

11. **ERASE Button**  
 Erases a message.  
 12. **REVIEW Button**  
 Replay message or skip to previous message.  
 13. **PLAY Button**  
 Plays current message.  
 14. **SKIP Button**  
 Skips to the next message.  
 15. **VOL+ / VOL- Buttons**  
 Adjusts settings / volume output.  
 16. **BUTTON LOCK Switch**  
 Locks all control buttons to prevent activation.  
 17. **LASER LOCK Switch**  
 Locks LASER button to prevent activation.

**TOP VIEW****TOP VIEW**

18. **Earphone Connector**  
 19. **Laser Beam Emitter**  
 20. **Microphone Connector**  
 Accepts external condenser microphone (sold separately).  
 21. **Microphone**

**LCD DISPLAYS :****CLOCK MODE****RECORDER MODE****CLOCK MODE**

- Lock Status**  
Displays status of BUTTON LOCK.
- Date Display**  
Displays date (day/month or year)
- Time Display**  
Displays time (in HH:MM:SS, AM/PM format)
- Alarm Icon**  
Indicates whether the alarm is enabled or disabled.
- Battery Level Indicator**  
Displays the current level of battery usage.

**RECORDER MODE**

- REC Icon**  
Message is recording when REC icon is flashing.
- Recording Quality Icon**  
Indicates quality and type of messages recorded.
- Current Folder Icon**  
Current folder in which messages are stored (Folder A or B).
- Current Message**  
Shows the current message's number.
- Recording Time**  
Shows the amount of recording time elapsed.
- Voice Activated Recording Indicator**  
Voice Activated Recording enabled / disabled.
- Battery Level Indicator**  
Displays the current level of battery usage.
- Total Number of Messages Stored**  
Total number of messages stored within current folder.
- Remaining Recording Time**  
If "REMAIN" is displayed, Recording Time displays the total remaining recording time left on the device.

## GETTING STARTED

### PACKAGE CONTENTS

When you unpack your voice recorder, make sure to keep all the packing materials in a safe place, in case you need to later transport the device or return it for servicing.

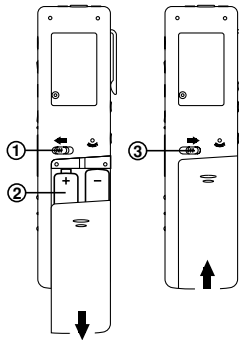
In the box, you will find:

- VR383 Voice Recorder with Laser Pointer
- AAA-sized Batteries (UM-4)
- Carrying Pouch
- Earphone (mono)
- User Manual

### INSTALLING THE BATTERIES

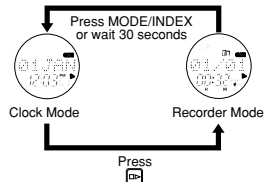
Your voice recorder is shipped with two AAA-sized (UM-4) batteries.

1. Switch the **Battery Compartment Lock** to the left and remove the battery door.
2. Insert the two AAA batteries into the compartment, making sure to align them correctly with the battery graphics inside.
3. Place the battery door back on and switch the lock to the right.
4. The voice recorder automatically prompts you to change the date and time if installation is successful.



## USING THE DIGITAL VOICE RECORDER

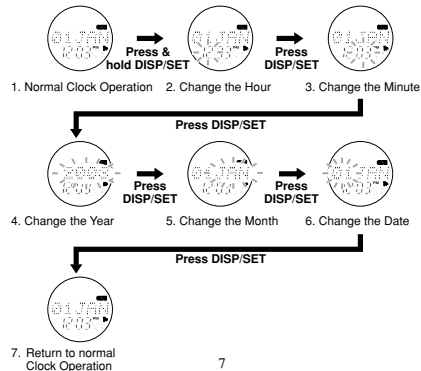
Your voice recorder has two operation modes: **Clock Mode** and **Recorder Mode**. You can toggle between the two modes as follows:



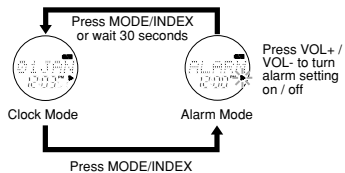
### CLOCK MODE

Setting the Date and Time

**(NOTE)** Press VOL+/VOL- to adjust values.



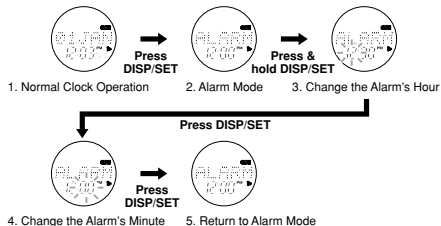
### Turning Alarm Setting On or Off



### Changing the Alarm Time

You can change the alarm time by following the instructions below.

**(NOTE)** Press VOL+/VOL- to adjust values.



**(NOTE)** The alarm setting is automatically turned on when the alarm time has been changed.

### Turning Off Ringing Alarm

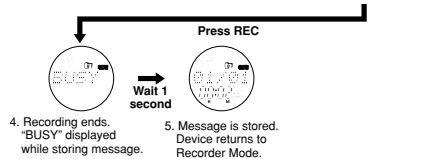
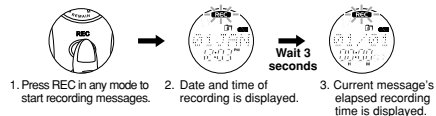
When the alarm sounds, press any button (except the **LASER** button) to stop the ringing. It will also automatically stop after 30 seconds.

**(NOTE)** If the voice recorder is in **Recorder Mode**, the alarm will not sound even if it is enabled. Instead, the Alarm Indicator will blink for 30 seconds or until any button is pressed.

### RECORDER MODE

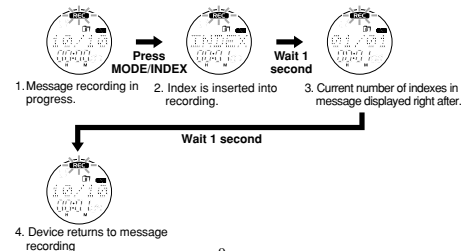
#### Recording Messages

**(NOTE)** To view the remaining recording time left, press **DISP/SET** while recording. The word **"REMAIN"** will appear on-screen with the remaining recording time displayed.



#### Marking Indexes while Recording

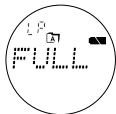
Indexes may be added to messages while recording so that you can search and listen to specific portions of a message easily. Up to a total of 99 indexes may be marked in messages in the same folder. A single message may also have multiple indexes. To mark an index:



### “FULL” Displayed On-Screen

In the following circumstances, the word “FULL” will be displayed:

- Pressing REC when the memory is already full.
- Pressing REC when the current folder already has 99 stored messages.
- During recording, the memory is used up.
- Pressing MODE/INDEX during recording when there are already 99 indexes saved in the current folder.



**(NOTE)** Delete messages or indexes to make extra room for recording or indexing.

### Playing Back Messages

When the unit is in **Recorder Mode**, and the device is not in the midst of a recording, the LCD screen will show the current message that you are accessing. It will also display the total number of messages stored in the current folder. To play back the messages:

- Press **SKIP** to access the next message stored. Press **REVIEW** to access the previous message stored.
- When you have selected a message, press **PLAY** to start the playback.

### Functions During Playback

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

Functions	Descriptions
Display Remaining Playback Time	Press <b>DISP/SET</b> during playback.
Adjust Volume	Press <b>VOL+</b> or <b>VOL-</b> .
Skip to Previous Message	Press <b>REVIEW</b> during the 1 <sup>st</sup> second of the current message's playback.
Replay Current Message	Press <b>REVIEW</b> after a second of playback.
Skip to Next Message	Press <b>SKIP</b> .
Scanning Forward through Current Message	Press and hold <b>SKIP</b> .
Scanning Backwards through Current Message	Press and hold <b>REVIEW</b> .

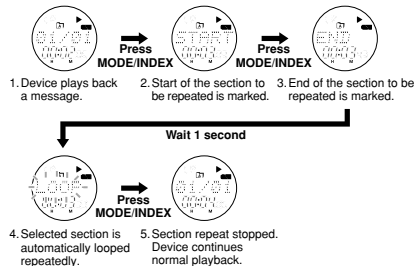
### Playing Back Indexed Messages

During the playback of an indexed message, the functions will differ slightly from normal:

Functions	Descriptions
Skip to Previous Index	Press <b>REVIEW</b> during the 1 <sup>st</sup> second of the current message's playback. If the current index is at the beginning of a message, pressing <b>REVIEW</b> will playback the message from the start.
Replay Current Index	Press <b>REVIEW</b> after a second of playback.
Skip to Next Index	Press <b>SKIP</b> .

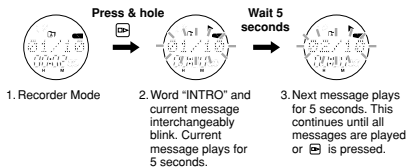
### Section Repeat Playback

When a message is playing back, you can choose to repeat a selected section of the message.



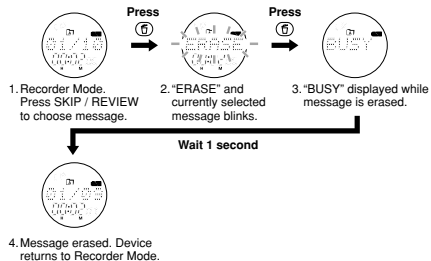
## Introduction Scanning

You can scan the first 5 seconds of all recorded messages within the current folder. When the unit is in **Recorder Mode**, and the device is not in the midst of a playback or a recording:



## Erasing Messages

When the unit is in **Recorder Mode**, and the device is not in the midst of a playback or a recording, you can choose to erase the messages stored:



## VOICE RECORDER SETTINGS

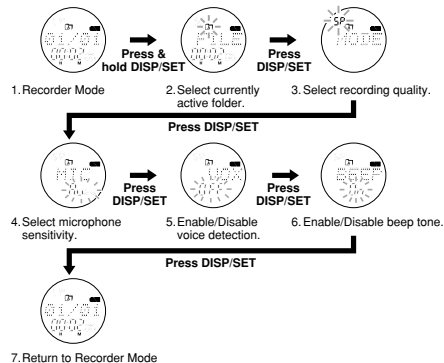
Your voice recorder has five different settings that can be configured:

**(NOTE)** *Italicized and underlined options are product default options.*

Setting	Description	Options
FILE	Currently active folder selected.	<i>Folder A</i> / Folder B
MODE	Different recording quality and recording capacity.	<i>SP (Standard Play)</i> / EP (Extended Play) / LP (Long Play)
MIC	Adjust sensitivity of microphone.	<i>Auto</i> / Hi / Lo
VOX	Enable/disable voice detection.	On / <i>Off</i>
BEEP	Button press confirmation tone.	<i>On</i> / Off

## Changing Voice Recorder Settings

**(NOTE)** Press VOL+/VOL- to select between options for each of the settings.





**FILE Setting (Current Folder)**

Choose the current folder (Folder A or Folder B). Each can carry up to 99 messages and indexes.

**MODE Setting (Recording Quality)**

You can choose between three different recording quality options.

Option	Description	Recording Quality	Length of Recording Time
SP	Standard Play	High	84 minutes
EP	Extended Play	Medium	102 minutes
LP	Long Play	Low	136 minutes

**MIC Setting (Microphone Sensitivity)**

You can choose between three different microphone sensitivity options.

Option	Description
Auto	Microphone sensitivity automatically set.
Hi	High sensitivity - clearer & louder recording, more susceptible to noises & distortions.
Lo	Low sensitivity - lower volume in recording, less susceptible to noises & distortions.

**VOX Setting (Voice Activated Recording)**

This setting pauses a recording automatically when no noise is detected for 2 seconds. The recording resumes when voice is detected again.

**BEEP Setting (Beep Tone)**

The beep tone setting, if enabled, causes the unit to beep whenever a button is pressed (excluding the LASER button).

**LASER POINTER**

Your voice recorder is integrated with a laser pointer that can emit red laser beam for pointing purposes.

**USING THE LASER POINTER**

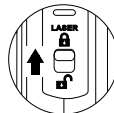
- △ Take extreme precaution to protect your eyes while using the laser pointer. Do not look at the laser pointer directly when the laser beam is emitting, as this can permanently damage your eyes. Point the laser away from you and any other people at all times.

**(NOTE)** It is advisable to lock the laser when the function is currently not in use.

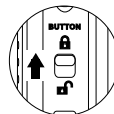
To activate the laser pointer, press and hold the **LASER** button.

**LOCKING THE LASER**

The **LASER LOCK** switch can be used to prevent the accidental activation of the laser beam. When locked, the **LASER** button is disabled, and the laser beam cannot be emitted. Simply slide the switch position to lock or unlock the laser.

**OTHER FEATURES****LOCKING RECORDER BUTTONS**

This feature disables all recorder buttons, thus preventing the accidental recording, playback, and erasing of messages. Simply slide the switch position to lock or unlock the recorder buttons.



**(NOTE)** The **LASER** button is still active when the recorder buttons are locked. The **LASER LOCK** switch is separate from this function and is the only way to lock the **LASER** button.

**RESETTING THE UNIT****Using the RESET Hole**

Your voice recorder may need to be reset if the device is not functioning properly. Use a blunt stylus and press into the **RESET** Hole to return the device to default values.

**(NOTE)** Recorded messages are not erased after the **RESET** Hole has been pressed.

**Full Reset**

You may need to perform a **FULL RESET** if the unit does not function properly even after the **RESET** Hole has been pressed. To perform a **FULL RESET**, press and hold the **ERASE** button while using the blunt stylus to press into the **RESET** hole.

**(NOTE)** Recorded messages are **COMPLETELY** erased from all folders after a Full Reset.

**CONNECTING TO AN EXTERNAL EARPHONE**

You can use the included earphone to privately listen to messages. When the earphone is plugged in, the speaker is disabled automatically.

△ Using the earphone to listen to very loud messages may cause permanent ear damage. Only use the earphone during Playback Mode, and lower the volume of the recorder before listening.

### CONNECTING TO AN EXTERNAL MICROPHONE

To use an external microphone for recording, insert the microphone's plug into the Microphone Connector. The voice recorder's microphone is then automatically disabled.

**(NOTE)** The external microphone connecting must be a condenser type. Other types of microphones will not work with you voice recorder.

### TROUBLESHOOTING

This section includes a list of frequently asked questions for problems you may encounter with your voice recorder. If your voice recorder is not operating as you think it should, check here before arranging for servicing.

Problem	Symptom	Check This	Remedy
No Power	The voice recorder cannot be turned on.	Batteries are exhausted.	Replace with new batteries.
		Batteries are inserted incorrectly.	Insert the batteries correctly.
Buttons Do Not Work	Pressing voice recorder buttons yield no responses.	Voice recorder buttons are locked.	Unlock the <b>LOCK</b> switch.
	Pressing <b>LASER</b> button yields no response	<b>LASER</b> button is locked.	Unlock the <b>LASER LOCK</b> switch.
No Sounds	Playing back messages yield no sound.	Volume is not turned up.	Press <b>VOL+</b> during playback.
		Earphone is plugged in but not used.	Disconnect the earphone from the device, or listen via the earphone.
No Alarm	Alarm does not sound.	Alarm is disabled.	Turn on the alarm setting.
		The device is in <b>Recorder Mode</b> .	Return to <b>Clock Mode</b> by pressing <b>MODE/INDEX</b> .

*Continued:*

Problem	Symptom	Check This	Remedy
Problem with External Microphone	No sound is recorded with the external microphone.	External microphone not plugged in.	Plug in fully the external microphone to the Microphone Connector.
		Condenser type external microphone not used.	Plug in a condenser type external microphone.
Cannot Record Messages	The word "FULL" is displayed on the LCD screen.	The maximum amount of 99 messages has been reached within the current folder.	Erase some messages or choose another folder with fewer messages.
		The storage capacity of the recorder has been filled.	Erase some messages.
Cannot Mark Indexes	The word "FULL" is displayed on the LCD screen.	The maximum amount of 99 messages has been reached within the current folder.	Erase messages with indexes from the current folder, or select another folder with fewer indexes.
Word Shown on LCD Screen. Device Not Operable	The word "DOOR" is displayed on the LCD screen.	Battery compartment not closed and locked.	Close the battery compartment and lock it with the Compartment Lock.
		New batteries are required.	Replace current batteries with fresh ones.
Operation Not Normal	Certain functions do not perform.	Device requires reset.	Reset the unit with a blunt stylus pressed against the <b>RESET Hole</b> . Perform a <b>FULL RESET</b> if necessary (all stored messages will be lost).

## SPECIFICATIONS

Type	Description	
Recording Medium	Non-volatile flash memory	
Recording Time	Standard Play (SP): Extended Play (EP): Long Play (LP):	84 min. 102 min. 136 min.
Speaker	20mm diameter	
Maximum Power	100mW	
Earphone Jack	3.5mm diameter 8Ω	
Microphone Jack	3.5mm diameter 2KΩ	
Laser Pointer	Red in color, approx. 10 mm in visual projection	
Battery Type	2x AAA 1.5V Alkaline Battery	
Battery Life	Approx. 40 hours of continuous recording. Approx. 5 hours of continuous playback.	
Size	32mm(W) x 124.5mm(L) x 16mm(T)	
Weight	43g without battery	

## ABOUT OREGON SCIENTIFIC

Visit our website ([www.oregonscientific.com](http://www.oregonscientific.com)) to learn more about your voice recorder and other Oregon Scientific products such as hand-held organizers, alarm clocks, and weather stations. The website also includes contact information for our customer service department, in case you need to reach us.

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### CAUTION:

In case of electrostatic discharge, the product may not function properly and requires manual reset. Upon reset, messages recorded will remain intact. If a message is being recorded, the message will be discarded.

## FCC NOTICE

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.

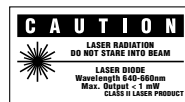
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

Changes or modifications not expressly approved by Oregon Scientific for compliance could void the warranty and your authority to use this equipment.



## LASER SAFETY



Complies with 21 CFR 1040.10