OREGON SCIENTIFIC

PORTABLE S.A.M.E. WEATHER RADIO
MODEL: WR102

INSTRUCTION MANUAL

INTRODUCTION

Thank you for purchasing the WR102 Portable SAME (Specific Area Message Encoding) Weather Radio. The WR102 is a multi-function device that operates on the same radio frequencies used by the NOAA (National Oceanic Atmospheric Administration) Weather Radio (NWR). The WR102 warns users of severe weather and other environmental dangers. Ideal for back-packers or individuals who spend extended periods of time in remote locations; this device is also equipped with a digital clock and daily alarm.

The WR102 is designed for individuals and organizations that require dependable early-warnings of weather or environmental dangers. This is the first portable take anywhere weather radio that operates on batteries or AC power. A low battery warning icon alerts users that batteries are low and need replacing. The WR102 is small, lightweight and constructed of durable materials. With a reception range up to 40 miles, the WR102 is ideal for use in remote outdoor areas and in densely populated areas such as schools, hospitals or offices.

The 2-line liquid-crystal display (LCD) is easy to read. The electro-luminescent (EL) backlight ensures that night time warnings are seen and properly interpreted.

To optimize your use of the WR102, please read this manual before use. Should you require additional assistance or information, please contact our Customer Service Department at 800-853-8883 or via email at: helpme@oscientific.com.

ABOUT THE NATIONAL WEATHER-RADIO SYSTEM

The National Weather Service (NWS) is an agency within the National Oceanic & Atmospheric Administration (NOAA) that operates a nationwide network of radio stations known as the NOAA Weather Radio (NWR). The NWR radio system broadcasts warning information for all types of hazards both natural and technological. Working in conjunction with the Emergency Alert System (EAS), NWR is considered to be the most comprehensive emergency information system.

A nationwide network, the NWR consists of more than 480 stations in the United States, Puerto Rico, the U.S. Virgin Islands and U.S. Pacific Territories. Broadcasts are designed to meet local needs. Routine programming is repeated every few minutes and consists of local forecast, regional conditions and marine forecasts. Additional information, including river stages and climatic data, is also provided. During emergencies, these routine broadcasts are interrupted to report specific warnings, watches or other critical information.

DESCRIPTION AND FUNCTION OF PARTS
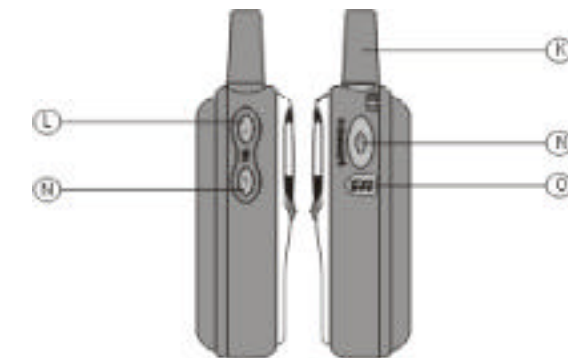
A. Liquid Crystal Display (LCD)

    A1. Radio Frequency Channel

    A2. Radio in NOAA-On Mode [*"ICON"*]

       Radio in NOAA-Stand-by Mode [*"ICON"*]

       Radio in NOAA-Mute Mode [*"ICON"*]

       Radio in NOAA-Off Mode [no icon]

    A3. Low Battery Warning Icon

    A4. Warning Indicators: Warning, Watch,
       or Statement

    A5. Time/Date/Alarm Displays

    A6. Alarm 1 and Alarm 2 Icons

B. MODE Button

   Switches between clock, calendar, alarm 1& 2 modes

   Enables setting or changing clock, calendar and alarms

C. CHANNEL Button

   Engages and exits channel setting mode

D. Indicator Light

   Variable red/green LCD light identifies radio on/off and message alert status

E. COUNTY Button

   Activates the county mode to enter or change county code settings

   Switches between the 7 county code settings

F. Radio Speaker

G. Battery Compartment

   Houses three (3) AA-sized or UM-3 1.5V batteries (not included)

H. Battery Compartment Door Latch

I. Speaker Jack

   Connection for optional external speaker (not included)

J. NOAA Button

   Switches between NOAA-On, NOAA-Stand-by, NOAA-Mute and NOAA-Off modes

   Immedate switch to NOAA-On mode from NOAA-Stand-by Mode during SAME message alert

K. Antenna

DESCRIPTION AND FUNCTION OF PARTS, CONTINUED

L. VOLUME UP Button
   Increases audio volume
   Turns on and off the selected daily alarm
   Activates or disables the displayed county code
   Increases setting values in any setting mode
M. VOLUME DOWN Button
   Decreases audio volume
   Turns on and off the selected daily alarm
   Activates or disables the displayed county code
   Decreseas setting values in any setting mode
N. SNOOZE Button
   Temporarily disables the alarm for 8-minutes
   after which the alarm will sound again
   Activates the backlight feature
O. AC Power Jack
   Connection for optional AC power adapter (not
   included)
P. Carrying Holder
   For easy clip-on transport or wall mount
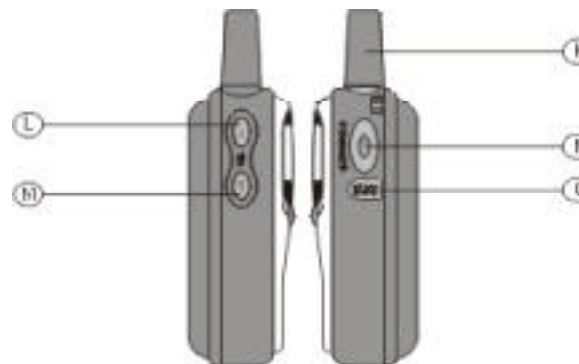
GETTING STARTED

Please note that the WR102 does not have an ON / OFF switch; and that the LCD will light-up once the batteries are inserted. To conserve power, the radio can be set to NOAA Stand-By, NOAA-Mute, or NOAA-Off modes instead of NOAA-On.

NOTE: Leaving the WR102 in NOAA-On mode will result in significant battery power consumption. It is recommended that the WR102 be on NOAA-Stand-By when the user is not listening to radio broadcasts.

INSTALLING THE BATTERIES
The WR102 uses three (3) UM-3 or "AA" size 1.5V alkaline batteries. When replacing the batteries, if the user changes the battery within 25 seconds, all settings will retained and will not require resetting.
To install batteries:
1.Gently pull to open battery-compartment latch.
2.Lift to open the battery compartment door. Insert batteries with polarities in the diection as shown.
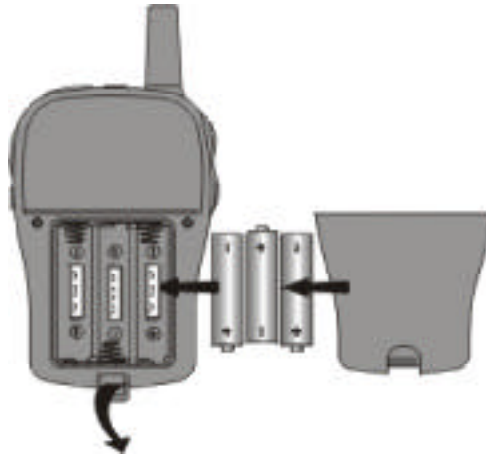

3. Replace battery compartment door.
NOTE: If batteries are changed within 25 seconds, the clock will not stop and settings will not need to be reset.

DISPLAY MODES
There are two basic categories of display modes:
1. Clock-Display Mode displays information specific to the time and date functions: current time, current date, alarm time(s) and status of alarm time(s).
2. NOAA Radio Status Mode details information specific to the status of the NOAA radio: NOAA-On, NOAA-Stand-by, NOAA-Mute and NOAA-Off.

To switch between the various time/date displays, press (MODE) and with each press, the display will advance sequentially.

Current Time   Alarm 1

Current Date   Alarm 2
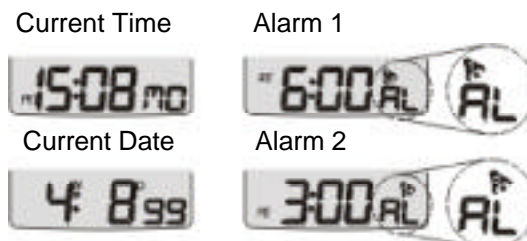
To switch between the four different NOAA radio status, press the (NOAA) button.

NOAA-Off   NOAA-On

USING THE EARLY ALERT WARNING SYSTEM

The early warning system uses radio signals to alert the user to weather and environmental dangers. A built-in radio receiver responds to seven (7) user-selected signal channels.

The WR102 has four activity status levels: NOAA-On, NOAA-Stand-by, NOAA-Mute and NOAA-Off.
1. NOAA-On: The radio is on and audio messages will be continuously heard.
2. NOAA-Stand-by: The radio is in standby mode and will activate automatically when an alert message is received.
3. NOAA-Mute: The radio is in standby mode without audio capability. When an alert message is received, the LED (Figure D) will flash. Voice messages will not be heard until the radio is switched to the NOAA-On position.
4. NOAA-Off: The radio is off and will not respond to alert messages.

To select an activity status level, press the (NOAA) button. With each press, the status level advances sequentially.

To hear an alert message when the radio is in NOAA-Mute mode, press the (NOAA) button until the status becomes NOAA-On and then adjust the volume level if necessary.

SAME MESSAGE CODES USED BY THE NWR
When the NWR airs alert warnings, a digital code known as "Specific Area Message Encoding" (SAME) is included as part of the warning. This code includes information specific to an affected or endangered local geographical area. With SAME codes, the user can select the geographical area(s) of interest and program the WR102 to receive only those specific alerts. When the WR102 is programmed with SAME codes, the user will be alerted to warnings only for those pre-selected geographical areas. Alerts are initially shown on the WR102 as a text display on the LCD screen (Figure A4); then an audio broadcast will follow.   At the completion of the audio broadcast message, the WR102 will emit a short burst of static to indicate end of message.

In NOAA-Stand-by mode, the WR102 will automatically turn itself on when necessary so an audio broadcast warning can be heard. The WR102 will then return to NOAA-Stand-by mode after the audio broadcast has been completed.

FINDING LOCAL NWR CODES AND CHANNELS
SAME codes are available from the NWR.
To contact the NWR via phone: call toll-free 1-888-697-7263 and follow the voice menu to NWR channels and SAME codes.
The NWR can also be contacted via the internet at: www.nws.noaa.gov/nwr/indexnw.htm. Click on the state for which information is desired.

Example of the first ten county radio channels and SAME codes for Montana:

ST.	COUNTY	SAME #	NWRTRANSMITTER	FREQMHZ	CALL	WATTS	REMARKS
MT	Beaverhead	030001	Butte MT	162.550	WXL79	100	
MT	Big Horn	030003	Billings MT	162.550	WXL27	400	
MT	Blaine	030005	Havre MT	162.400	WXL53	300	
MT	Broadwater	030007	Helena MT	162.400	WXK66	300	
MT	Carbon	030009	Billings MT	162.550	WXL27	400	
MT	Carter	030011	—No NWR Coverage—				
MT	Cascade	030013	Great Falls MT	162.550	WXJ43	300	
MT	Chouteau	030015	Havre MT	162.400	WXL53	300	
MT	Chouteau	030015	Great Falls MT	162.550	WXJ43	300	
MT	Custer	030017	Miles City MT	162.400	WXL54	300	

In addition, many counties have been further subdivided into as many as 9 smaller sub-sections. The numbers of one (1) to nine (9) in the far left column of a SAME code identifies specific sub-sections of a county. If the county has not been subdivided, the first digit of the county code will be zero (0).

ABOUT RADIO CHANNELS

The NWR radio channels work in the same way as radio channels of a regular radio. All of the NWR transmission stations operate on one of seven frequencies.

Channel	Corresponding Radio Frequency
A	162.400 MHz
B	162.425 MHz
C	162.450 MHz
D	162.475 MHz
E	162.500 MHz
F	162.525 MHz
G	162.550 MHz

The WR102 labels each frequency channel "A" to "G". Once a radio frequency for a region has been selected, the WR102 will receive audio and code information on this frequency.

The radio channel is located in the upper left hand corner of the LCD.

TO CHANGE THE RADIO CHANNEL

1. In any of the time displays, press [CHANNEL] and hold for two (2) seconds. The unit will emit a beep when initially pressed and then again after the two seconds. The channel selection icon will begin to flash.
2. While the channel selection icon is flashing, press [UP VOLUME] or [DOWN VOLUME] to scroll through the channel selections.
3. When the channel has been selected, press [MODE] to save selection and to return to time display mode.

PROGRAMMING "SAME" COUNTY CODES

SAME county codes are required to selectively receive weather and environmental alerts for a specific county, and need to be entered into the WR102. Up to six specific SAME codes can be entered.

The first step of programming SAME codes requires the user to select the option of receiving **[ALL]** warnings or selected warnings. Selecting **[ALL]** will result in the WR102 broadcasting all alerts and warnings issued on a particular radio channel which can encompass a large geographical area of many counties. (See "About Radio Channels" Section.) To receive warnings for a specific county, that county code must be programmed into the WR102.

> **Note:** It is recommended that the user program the WR102 with specific county codes of interest or need in order to receive alerts and warnings pertinent to only those counties. Selecting **[ALL]** of the county codes will result in the WR102 receiving all of the messages for an entire transmission region. These regions are quite large and encompass about 5,000 square miles. Selecting **[ALL]** will result in the WR102 broadcasting warnings that may not be pertinent to the user.

Six display fields permit up to six county codes to be entered. The user can select less than six codes by leaving unused display fields empty.

See the section "Finding local NWR Channels and County Codes," for a toll-free phone number or the Internet Web-site address to secure county code information.

DESCRIPTION OF SPECIFIC AREA MESSAGE ENCODING CODES

A SAME code is broken into 6 fields of numbers:

State-county coding:
The 3 digits on the far right refer to state-county coding. Each county within a state will have an independent three-digit code. **Note:** To receive all of the alerts for a given state, insert 000 into the county section.

State codes:
Moving towards the left, the next two digits are for state coding. Each of the 50 US states has its own two-digit code.

County sub-section code:
The last digit on the extreme left is the county sub-section. A county may be subdivided into nine sub-sections; each number between one to nine represents a specific county sub-section. **Note:** If the county sub-section code is stated as 0, then that county is not subdivided and all alerts for that county will be received. Or to receive all of the alerts for a given county, insert 0 into the county sub-section.

A county can be subdivided as follows:

1 Northwest	2 North Central
3 Northeast	4 West Central
5 Central	6 East Central
7 Southwest	8 South Central
9 Southeast	

County code for Cochise County, Arizona
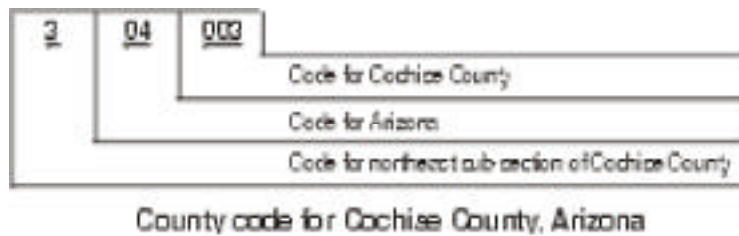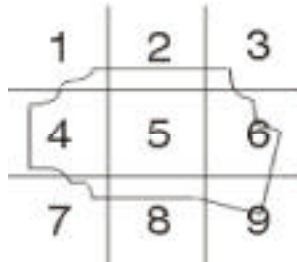
TO RECEIVE ALL WARNINGS OR SPECIFIC LOCATION WARNINGS:

1.Press [COUNTY] to enter the county-code display from any clock display mode.

2.Press [UP VOLUME] or [DOWN VOLUME] to select between receiving all [ALL] warnings or only warnings from specified local areas.

> **NOTE:** If specific local county is selected, that county code must to be programmed into the unit.

To enter the appropriate county code:

1.Press [COUNTY] to enter the county-code display from Clock-Display Mode.

2.Press [COUNTY] again to by-pass county-code field zero (0) and advance to county-code field one (1).

3.To enter the county code in this field, press and hold [COUNTY] for 2-seconds. The extreme left county-code digit will flash.

4.To enter the first county-code digit, press [UP VOLUME] or [DOWN VOLUME].

> **REMEMBER:** This part of the code subdivides a county into small localized sub-sections. If the county's code has not been subdivided into smaller sub-sections, select zero (0) in the far left column.

5.To enter the remaining five (5) digits by following the same process. Press [COUNTY] followed by [UP VOLUME] or [DOWN VOLUME].

6.When finished press [COUNTY] to advance to the next county-code field or wait 9-seconds to automatically return to Clock-Display Mode.

RADIO VOLUME

The radio volume can be adjusted for personal needs. To set the volume, the radio needs to be in NOAA-On mode and any time display mode.

To set the volume:
1. Press [UP VOLUME] or [DOWN VOLUME] to adjust the volume.
2. When the volume setting is displayed, press [UP VOLUME] or [DOWN VOLUME] to change volume if needed.

> **NOTE:** The maximum volume setting is indicated by the number 7; no audio is indicated by the number 1.

USING THE CLOCK AND CALENDAR

The Clock-Display Mode is the unit's default display mode. When in another display mode it will automatically return to the clock display after 9-seconds.

Setting the clock and calendar is sequential. Any part of the setting sequence can be bypassed by pressing [MODE]. Once changes are made and the setting mode has been exited, the day-of-the-week will automatically be determined.

HOW TO SET THE TIME AND DATE

A special user-select option included is the 12-hour or 24-hour

clock-display choice and a display sequences option showing

either the current month first or the day-of-the-month first.
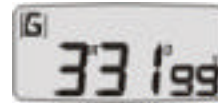
> **NOTE:** At any stage of the setting sequence, if no entry is made after 9-seconds, the unit will automatically exit the Clock-Setting Mode and return to the Clock-Display mode.

To set the time:

1.In Clock Display Mode, press and hold [MODE] for 2 seconds.

2.Select either the 12-hour or 24-hour format. Press [UP VOLUME] or [DOWN VOLUME] to switch between the two formats.

3.Make time format selection then press [MODE] to save and advance to the next step.

4.To enter the hour digits, press [UP VOLUME] or [DOWN VOLUME] until the hour time and AM/PM designation has been selected.

> **NOTE:** Pressing and holding [UP VOLUME] or [DOWN VOLUME] will advance digits in rapid sequence.

5.When the hour and AM/PM designation has been selected, press [MODE] to save and to advance to the minute setting mode. Press [UP VOLUME] or [DOWN VOLUME] to make the minutes selection.

6.Press [MODE] to save the minutes selection and advance to setting the year. Press [UP VOLUME] or [DOWN VOLUME] to make the year selection.

7.When the year has been selected, press [MODE] to save and to advance to setting the month.   Press [UP VOLUME] or [DOWN VOLUME] to select the month.

8.Press [MODE] to save the selected month and advance to day-of-the-month setting. Press [UP VOLUME] or [DOWN VOLUME] to select the day-of-the-month.

9.When the day-of-the-month has been selected, press [MODE] to save and to advance to select the display option of day-month (D / M) format or month-day (M / D) format. Press [UP VOLUME] or [DOWN VOLUME] to switch between these two display options.

10.Press [MODE] or wait 9-seconds after making the day-month or month-day selection to exit the Clock-Setting Mode and return to clock display mode.

SETTING THE ALARMS

The WR102 has two alarms (alarm 1 and alarm 2). They can be used together or independently. Alarm icons [🔔] are displayed only when alarm 1 or alarm 2 are active. No icon(s) indicates that the alarm(s) have not been set.

> **REMEMBER:** From the Clock-Display Mode, press [MODE] to enter the calendar display and then again to set Alarm 1. Press [MODE] once more to set Alarm 2.

Setting the Alarm:

1.With the clock displayed, press [MODE] until alarm-1 display or alarm-2display is entered.

> **NOTE:** The last set time of the alarm will be displayed. If you have never set the alarm before, or if the alarm has been disabled, the time will be displayed as [------].

> **REMEMBER:** At any stage of the setting sequence, if no entry is made after 9-seconds, the unit will automatically return to the Clock-Display Mode.

2. Press [MODE] for two (2) seconds; the WR102 will beep once when press is initiated and then again after the two seconds.

3.To enter the hour, press [UP VOLUME] or [DOWN VOLUME] until the desired hour and AM/PM designation has been selected.

4.When the desired hour is reached, press [MODE] to advance to selecting the minutes. Press [UP VOLUME] or [DOWN VOLUME] to selection the minutes.

5.After selecting the minutes, press [MODE] or wait 9-seconds to exit the Alarm-Setting Mode and return to the clock display mode. The alarm icon [🔔] , for the alarm chosen, will be displayed to indicate that alarm is now set and will sound at the selected time.

When an alarm goes off, it will sound for 1-minute. For the first 10 seconds of the alarm sounding, the EL backlight will also activate.

Alarm 1 and alarm 2 are identified by different sounds: Alarm 1 has two short bursts of sound followed by a pause which then repeats. Alarm 2 has four short bursts of sound followed by a pause which then repetrs. Unless disabled, the alarms will sound for a total of one minute before automatically turning off.

DISABLING AN ALARM

The alarms are easily disabled. When disabled, the respective alarm icon will not be displayed. A disabled alarm display is indicated by blanks [------].

Press [MODE] to enter alarm-1 or alarm-2 display followed by [UP VOLUME] or [DOWN VOLUME].

> **NOTE:** When an alarm is activated, the alarm time will be displayed in the respective alarm display. Also, in the clock display mode, the respective alarm-on icon will appear indicating that alarm-1 or alarm-2 (or both) is set.

ENABLING AN ALARM

When disabled, the respective alarm icon will not be displayed. The display will show blanks [------].

Press [MODE] to enter alarm-1 or alarm-2 display followed by [UP VOLUME] or [DOWN VOLUME]. The respective alarm-on icon appear and the blank [------] alarm time will be replaced with the last previously-set alarm time.

> **NOTE:** To change the alarm time follow the procedure set out in the section "Setting the Alarm".

STOPPING AN ALARM

An alarm can be disabled but remain set so that it will activate at the same time the following day.

To stop an alarm:

When the alarm sound is activating, press any button except [SNOOZE]. The alarm will stop but will sound again at the same time the next day.

THE SNOOZE

When either alarm-1 or alarm-2 is sounding the 8-minute snooze function can be activated. Pressing [SNOOZE] will temporarily interrupt the alarm for an 8-minute period and then sound again.

> **NOTE:** Pressing [SNOOZE] will also activate the EL backlight feature.

THE BACK LIGHT

The backlight casts a blue light evenly across the LCD screen making information easy to read in low or no light.

To activate the back light:

Press [Snooze] and the backlight will be activated.

> **NOTE:** The Back light will remain active for 10-seconds.

CUSTOMER ASSISTANCE

Every effort has been made to design and manufacture a high quality product which will provide many years of service. Should you have questions or require additional information about this product, please contact our Customer Service Department at 800-853-8883 or via email at: helpme@oscientific.com.

Oregon Scientific offers a variety of useful and practical products designed to enhance your lifestyle and to protect your family. We invite you to explore the international world of Oregon Scientific and learn about our diverse product lines via our website: www.oregonscientific.com.

MAINTENANCE

When handled properly, this unit is engineered to give years of satisfactory service.

To properly maintain this product:

1. The unit is splash proof but **do not immerse in water.** If the unit comes in contact with water, dry it with a soft lint-free cloth.

2. Do not clean the unit with abrasive or corrosive materials. Abrasive cleaning agents may scratch the plastic parts and corrode the electronic components.

3. Do not subject the unit to excessive force, shock, dust, temperatures or humidity. Such treatment many result in malfunction, a shorter electronic life span, damaged batteries, or distorted parts.

4. Do not tamper with the unit's internal components. Doing so will terminate the unit's warranty and may cause damage. This unit contains no user-accessable parts.

5. Use only new batteries as specified in this instruction manual. Do not mix old and new batteries. Do not use batteries of different than specified size.

SAME MESSAGES

The WR102 receives and displays SAME warning messages in three classifications depending upon the severity of emergency: **Warning**, **Watch** and **Statement**. In addition to these classes of alert messages, there is now a new type of message: **Test**.

The purpose of this new class is to assist you in verifying that your NOAA weather radio is set-up and working properly. Each week the National Weather Service Office will broadcast a Test message in SAME format. To receive the Test message, your WR102 needs to be in NOAA-On, NOAA-Stand-by or NOAA-Mute mode with a county code and NWR channel selected and programmed into the radio. If the WR102 is properly set, a flashing "Test" icon will be displayed on the LCD screen when a Test message is received. The "Test" icon will continue to flash for over an hour after the Test message is received.

NOAA Weather Radio stations broadcast the Test message every Wednesday between 10:00AM - Noon local time. (Test messages may also be sent on other days and times when there is a threat of severe weather in the listening area or for other reasons.)

Corresponding with the "Test" icon, the following broadcast will be made immediately after sounding the Test alarm:

> "This is the National Weather Service Office in ... (city) .... The preceding signal was a test of the Weather Radio Station ... (call sign) ... public warning system. During potentially dangerous weather situations, specially built receivers can be automatically activated by this signal to warn of the impending hazard. Tests of this signal and receivers' performance are normally conducted by the National Weather Service at ... (time) ... each Wednesday. If there is a threat of severe weather, the test will be postponed to the next available good-weather day. Reception of this broadcast, and especially the warning alarm, will vary at any given location. This variability, normally more noticeable at greater distances from the transmitter, can occur even though you are using a good quality receiver in good working order. To provide the most consistent and dependable warning service possible, the warning alarm will be activated for hazardous watches and warnings for the following counties ... (list of counties)...".

When more than one state is involved, the state names will always precede the names of the counties in that state.

If the Test is cancelled due to the threat of severe weather, the Test broadcast schedule will resume with the next good-weather day.

If you have any questions regarding alarm tests or to verify if a test was conducted, contact the programming office of your local NOAA Weather Radio station.

SPECIFICATIONS

RADIO FUNCTIONS

Channels:	Digital PLL tuning for Seven (7) NOAA channels
SAME code setting options:	Six (6) independent setting or ALL counties
Volume:	Seven (7) adjustment levels

Time Functions

Clock:	12 or 24 hour format
Calendar:	Day-of-the-week display
	User-select month/day/year or day/month/year format
DAILY ALARMS	Two (2) one-minute duration alarms
Snooze:	Eight (8) minute alarm delay
Accuracy:	+ / - 0.5 seconds / day

GENRAL SPECIFICATIONS

Battery Type:	Three (3) UM-3 or "AA" size 1.5V alkaline batteries
LCD Dimensions:	2" (L) X 0.88" (W)
	50 (L) x 22 (W) mm
Unit Dimensions:	5.48" (L) X 3.96" (W) X 1.4" (D)
	137 (L) x 74 (W) x 35 (D)
Unit Weight:	4.59 ounces (without batteries)
	131 grams (without batteries)
Operating Temperature:	-23°F to 122°F
	-5°C to 50°C

NOTICE

- **-** The content of this manual is subject to change without notice.
- **-** Due to printing limitations, the display shown in this manual may differ from the actual product display.
- **-** The manufacturer and its suppliers hold no responsibility to you or any other person for any damage expenses, lost profits, or any other claims arising by using this product.
- **-** The contents of this manual may not be reproduced without the permission of the manufacturer.

WARRANTY

Oregon Scientific warrants this product to be free of manufacturing defects for 90 days from date of purchase. This warranty does not cover product subjected to abuse, misuse or accidental damage.

Removal or modification of the WR102 internal antenna voids this warranty.

Defective product returns should be directed to the place of retail purchase.

NOTE ON COMPLIANCE

This device complies with Part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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:

- Increase the separation between the WR102 and the affected equipment.
- Consult an experienced radio/television technician for assistance.

Product Name: Portable SAME Weather Radio
Model Number: WR102
Responsible Party: Oregon Scientific, Inc.
                       19861 SW 95th Place
                       Tualatin, Oregon 97062 USA
                       1-800-853-8883 (telephone)