Emergency Portable Weather Radio
Model: WR601N
User Manual

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INTRODUCTION

Thank you for selecting the compact Emergency Portable Weather Radio (WR601N) from Oregon Scientific™. The WR601N is a multi-function device that operates on the same radio frequencies used by the NOAA Weather Radio (NWR) and Weatheradio Canada. With an Early Alert system, users are alerted to weather and other environmental dangers. This small, lightweight device is constructed of durable materials and has a reception range of up to 50 miles (64 km). It is also equipped with a digital clock and daily alarm.

The 2-line liquid crystal display (LCD) is easy to read. Switching from 1 display mode to another is a 1-step procedure, and the electroluminescent (EL) backlight ensures that nighttime warnings can be seen in low light levels.

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 an all-in-one hazards radio network and is considered to be the single source of all comprehensive weather and emergency information.

A nationwide network, the NWR consists of more than 800 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.

Likewise, Weatheradio Canada is operated by Environment Canada’s Meteorological Service and broadcasts weather and environmental information 24 hours a day in both official languages on 7 dedicated frequencies within the VHF public service band. This permits the transmission of a tone and Specific Area Message Encoding (SAME) codes ahead of a warning message that will activate the Weatheradio receiver and alert you to an incoming important message.
KEY FEATURES

FRONT

1. LCD
2. MODE BUTTON
   • Switch between clock, calendar, and alarms (1 and 2).
   • Enables clock, calendar, and alarm setting.
3. CHANNEL BUTTON
   • Enable / exit channel setting mode.
   • Press CHANNEL and ▲ in quick succession to activate / deactivate the keypad lock.
4. INDICATOR
   Red / green LED indicates radio (on / off) and alert status
5. COUNTY BUTTON
   • Enables county mode for entering county or CLC code
   • Change county/CLC settings (0-6)

   • Enter / change the setting of a displayed county code.

6. RADIO SPEAKER
   Adjustable voice-speaker volume.

BACK

1. BATTERY COMPARTMENT LATCH
2. BATTERY COMPARTMENT
   Houses 3 UM-3 or “AA” size 1.5V alkaline batteries.

TOP

1. • Enter / change the setting of a displayed county code.
2. • Enter / change the setting of a displayed county code.
1. **SP JACK**
   Line out jack for optional external speakers.

2. **NOAA BUTTON**
   - Switches between NOAA (on / standby / mute and off) modes.
   - Direct access to NOAA-on mode from NOAA-mute mode during SAME message alerts.

   **LEFT / RIGHT**
   - Press CHANNEL and ▲ in quick succession to activate / deactivate the keypad lock.

2. **DOWN ▼ VOLUME BUTTON**
   - Decrease settings in any setting mode.
   - Decreases volume.
   - Turns selected daily alarm (1 or 2) on / off.
   - Scrolls downward to select county code (6-0).

3. **ANTENNA**
   Receives radio signals.

4. **SNOOZE BUTTON**
   - Enables the snooze function when alarm sounds.
   - Momentarily activates backlight.

5. **AC / DC POWER PORT**
   AC / DC power jack for connecting unit to external power source.

   **7.5V AC / DC ADAPTER**
1. **CARRYING HOLDER**
   Mount on a wall or attach to a belt for easy portability.

2. **Cradle**
   House your weather radio in this cradle for convenient placement.

### LCD

1. Voice radio in NOAA on [NOAA] position (NOAA standby [ ], NOAA mute [ ], and NOAA off).
2. Radio frequency channel.
3. County code display.
4. Time / date / alarm displays.
5. Low battery warning icon.
6. Warning message indicators (WARNING, WATCH, ADVISORY and TEST).
7. Alarm (1 and 2) icons.
8. Keypad lock icon.

### GETTING STARTED

The WR601N LCD display will light up once the batteries are inserted. To turn the LCD display on or off, press and hold the **NOAA** key for 2 seconds.

To conserve power, the radio can be turned off, set to NOAA standby, NOAA mute, or NOAA off modes instead of NOAA on.

**NOTE** Leaving the radio in NOAA on mode will consume substantially more power. To save power, it is recommended that the WR601N be on NOAA standby when the user is not listening to radio broadcasts.
INSTALLING THE BATTERIES

The WR601N uses 3 UM-3 or “AA” size 1.5V alkaline batteries.

shows when batteries are low.

NOTE The non-volatile flash memory enables the unit to store your settings in the event of temporary power loss.

NOTE Do not use rechargeable batteries. It is recommended that you use alkaline batteries with this product for longer performance. Please dispose of used batteries properly to prevent harm to the environment.

Standard Alkaline batteries contain significant amounts of water. Because of this they will freeze in low temperatures of approximately 10°F (-12°C). Disposable Lithium batteries have a much lower threshold for temperature with an estimated freezing range of below -40°F (-40°C). The Liquid Crystal Display in outdoor thermometers will remain operational to -20°F (-28°C) with adequate power.

Wireless ranges can be impacted by a variety of factors such as extremely cold temperatures. Extreme cold may temporarily reduce the effective range of the unit. If the unit’s performance fails due to low temperature, the unit will resume proper functioning as the temperature rises to within the normal temperature range (i.e. no permanent damage will occur to the unit due to low temperatures).

DIFFERENT DISPLAY MODES

The LCD displays different types of information depending upon the display mode. Display modes can be subdivided into 2 basic categories:

1. Clock Display Mode: Relates to functions of time and date, shows current time, date or alarm time and status for either alarm.
2. Radio Status Mode: Displays information specific to the early-warning functions of the radio.
To alternate between various time / date displays:
Press **MODE** to advance the second line through the time, date and alarm displays.

**NOTE**  Each press will advance the display sequentially.

To alternate between various radio-status displays:
Press **NOAA** button to scroll through the NOAA mode options (on, standby, mute, or off). The NOAA mode is displayed on the top line of the LCD.

---

**EARLY WARNING ALERT SYSTEM**

The early warning system uses radio signals to alert the user to environmental dangers. A built-in radio receiver will respond to 7 specified signal channels. To use the early warning function, select 1 of 4 options to determine the activity status of the radio receiver.

**Radio-status options are:**

- **Radio ON [ NOAA ]**
  The radio is ON and voice messages can be heard continuously.

- **Radio Standby [ ]**
  The radio is in Standby and will switch to the ON position when an alert signal is received.

- **Radio Mute [ ]**
  The radio is in Standby and the LED will flash red to indicate that the unit has received an alert signal. Voice messages cannot be heard until the unit is switched to the ON position.

- **Radio OFF**
  The radio is turned OFF and the unit will not respond to alert signals.

**To select radio settings:**
Press **NOAA** to alternate between various radio status settings. Each press will advance the setting by 1 unit.
To listen to an alert signal from the radio mute position:
Press NOAA until the unit enters the radio on position and adjust the volume level if necessary.

MESSAGE CODING USED BY NWR/WEATHERADIO CANADA

When NWR/Weatheradio Canada air urgent warnings, a digital code known as Specific Area Message Encoding (SAME) is included as part of the message. This coding system contains specific information including the localized geographical area affected and the expiration time of the message. The WR601N retrieves and interprets SAME code messages and alerts the user. When SAME/CLC codes for a specific region have been entered into the unit, the unit alerts the user to relevant warning information for the specified region. Once alerted, a voice broadcast can be heard. At the end of the broadcast message, the listener will hear a brief end-of-message static burst.

In Standby mode, the unit will retrieve messages from a specific location and then the voice radio will automatically activate so that voice message can be heard. Several minutes after the message is completed, the unit will automatically deactivate the voice radio and revert to Standby mode.

FINDING LOCAL CHANNELS AND COUNTY/AREA CODES

Successful operation of the WR601N requires that the user obtain appropriate NWR/Weatheradio Canada channels and SAME/CLC codes for a specific county or region.

After NWR information on finding channels and frequencies, add the same information for Weatheradio Canada as included in the Quick Start Guide.

To contact the NWS by telephone:

1. Phone 1-888-NWR-SAME (1-888-697-7263).
2. Follow prompts through a simple voice menu.

To obtain NWS radio channels and SAME codes on the internet:

1. Locate www.nws.noaa.gov/nwr/indexnw.htm
2. Click the State for which information is needed.

For example, clicking on “Montana” will give a list of information relevant to the State of Montana including the names of counties, SAME codes, NWR transmitter locations, the frequency of the transmitter, the strength of the signal in WATTS, and any remarks as applicable.
Example of the first 10 county radio channels and SAME codes for Montana:

<table>
<thead>
<tr>
<th>COUNTY/CITY/AREA</th>
<th>SAME #</th>
<th>NWR TRANSMITTER</th>
<th>FREQ.</th>
<th>CALL</th>
<th>WATTS</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beaverhead</td>
<td>030001</td>
<td>Butte, MT</td>
<td>162.550</td>
<td>WXL79</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>Beaverhead</td>
<td>030001</td>
<td>Dillon, MT</td>
<td>162.475</td>
<td>WNG638</td>
<td>150</td>
<td></td>
</tr>
<tr>
<td>Big Horn</td>
<td>030003</td>
<td>Billings, MT</td>
<td>162.550</td>
<td>WXL27</td>
<td>300</td>
<td></td>
</tr>
<tr>
<td>Blaine</td>
<td>030005</td>
<td>Havre, MT</td>
<td>162.400</td>
<td>WXL53</td>
<td>300</td>
<td></td>
</tr>
<tr>
<td>Blaine</td>
<td>030005</td>
<td>Malta, MT</td>
<td>162.475</td>
<td>WWG85</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>Broadwater</td>
<td>030007</td>
<td>Helena, MT</td>
<td>162.400</td>
<td>WXK66</td>
<td>1000</td>
<td></td>
</tr>
<tr>
<td>Carbon</td>
<td>030009</td>
<td>Billings, MT</td>
<td>162.550</td>
<td>WXL27</td>
<td>300</td>
<td></td>
</tr>
<tr>
<td>Carter</td>
<td>030011</td>
<td>Baker, MT</td>
<td>162.550</td>
<td>WXK57</td>
<td>300</td>
<td>N</td>
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<tr>
<td>Cascade</td>
<td>030013</td>
<td>Great Falls, MT</td>
<td>162.550</td>
<td>WXJ43</td>
<td>300</td>
<td></td>
</tr>
<tr>
<td>Chouteau</td>
<td>030015</td>
<td>Belgian Hill, MT</td>
<td>162.500</td>
<td>WWG84</td>
<td>300</td>
<td></td>
</tr>
</tbody>
</table>

NOTE: Many counties have been subdivided into as many as 9 smaller subsections. The numbers 1 to 9 in the far left column of the SAME code identifies specific subsections of a county. If a county has not been subdivided, the first digit of the county code will be zero.

ABOUT RADIO CHANNELS

The NWR/Weatheradio Canada channels work in the same way as a regular radio channel. All of the NWR transmission stations operate on 1 of 7 frequencies.

<table>
<thead>
<tr>
<th>CHANNEL</th>
<th>CORRESPONDING RADIO FREQUENCY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>162.400 MHz</td>
</tr>
<tr>
<td>2</td>
<td>162.425 MHz</td>
</tr>
<tr>
<td>3</td>
<td>162.450 MHz</td>
</tr>
<tr>
<td>4</td>
<td>162.475 MHz</td>
</tr>
<tr>
<td>5</td>
<td>162.500 MHz</td>
</tr>
<tr>
<td>6</td>
<td>162.525 MHz</td>
</tr>
<tr>
<td>7</td>
<td>162.550 MHz</td>
</tr>
</tbody>
</table>

The WR601N labels each frequency as a channel (1-7). Once the radio frequency for a region has been selected, the WR601N will receive voice and code information from that station. The radio channel information is located on the upper left hand corner of the LCD.

To change to radio channel:
1. In any of the time displays, press and hold CHANNEL for 2 seconds.
2. Press ▲ or ▼ to switch between various channels.
3. When the appropriate channel has been selected, press MODE to confirm and return to the Clock-Display mode.
PROGRAMMING “SAME” COUNTY CODES

SAME county codes are required to receive weather and environmental information, and need to be entered into the WR601N. Up to 6 specific SAME codes can be entered into 6 display fields.

**NOTE** The system can only alert the user to weather or warning information after SAME county-code information has been entered and enabled.

When the county code display is first entered, the user will see a display field providing the option of selecting all (ALL) or none [----] of the county codes. Selecting ALL will set the unit so all of the warnings and weather messages from a specified channel can be received. If none [----] is selected the unit will receive warning or weather information only from the specific regions that have been specified with respective county codes.

**NOTE** It is recommended to select a SAME code field between (1-6) and then enter a specific code for that field. Selecting ALL will result in the unit giving warnings for regions that are not relevant to the user. These regions are quite large and can encompass about 5,000 square miles (13 sq km).

6 display fields permit up to 6 county codes to be entered. The user can select less than 6 codes by leaving the unused display fields empty.

As mentioned in the section “Finding local NWR channels and County codes”, a toll-free phone number or Internet website are available to locate county code information.

**DESCRIPTION OF SPECIFIC AREA MESSAGE ENCODING CODES.**

A SAME code is broken into 6 fields of numbers.

- 3 04 003
  - Code for Cochise County
  - Code for Arizona
  - Code for northeast sub-section of Cochise County

**County code for Cochise County, Arizona**
State-county coding:
The 3 digits on the far right refer to the state county coding. Each county within a state will have an independent 3-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 2 digits are for state coding. Each of the 50 U.S. states has their own 2-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 (1-9) represents a specific county sub-section.

**NOTE** If the county sub-section code is stated as 0, then that county is not sub-divided and all alerts for that county will be received. To receive all of the alerts for a given county, insert 0 into the county sub-section.

<table>
<thead>
<tr>
<th>A county can be subdivided as follows:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>3</td>
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<tr>
<td>4</td>
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<td>5</td>
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<tr>
<td>6</td>
</tr>
<tr>
<td>7</td>
</tr>
<tr>
<td>8</td>
</tr>
<tr>
<td>9</td>
</tr>
</tbody>
</table>
To receive all warnings or only warnings from specified localities:
1. Press COUNTY to enter the county-code display from any Clock Display Mode.
2. Press ▲ or ▼ to switch between receiving all (ALL) warnings or only warnings from specified local areas [----].

**NOTE** If (1-6) [----] (specified local area) is selected, local county codes need 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 to bypass the county-code field 0 and advance to county code field 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 ▲ or ▼.

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

5. Enter the remaining 5 digits by following the same process. Press COUNTY followed by ▲ or ▼.

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**

Before you can set the volume, the radio needs to be in NOAA on mode.

**To set the radio volume:**
In Clock Display Mode, with the radio set to NOAA on, press ▲ or ▼ to adjust the volume. (Maximum volume is 7, no sound is 1.)

**RECEPTION TEST**

The fact that you can get clear voice reception does not guarantee that an emergency alert will trigger your unit’s alert tone. To test actual reception, your unit must receive a test or emergency alert signal broadcast. The National Weather Service (NWS) or Weatheradio Canada broadcast a test alert every week on Wednesday between 11AM and 12PM (noon). To find out the specific test schedule in your area, contact your local Nation Weather Service or Weatheradio Canada office. These offices are usually listed online or in the telephone book.

**REMEMBER** For your system to be effective, you must
place the emergency radio in a location where it can receive an emergency alert signal, you can hear its siren, and see its flashing indicator lights.

**RECEPTION PROBLEMS AND SOLUTIONS**

**MANY THINGS AFFECT RECEPTION!**

Forests, deserts, and hills / mountains tend to greatly reduce reception. Metal roofs on homes or buildings may limit reception indoors for transmissions and alerts. Reception in cities may be reduced due to steel and concrete, while higher elevations will enhance the signal. Reception can vary from room to room. Moving even a few feet can enhance signal reception.

**RECOMMENDATION** Place the your weather radio near a window, away from other electronic equipment, and on an upper level of your house.

**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. Days of the week are viewable in 3 languages: English, French and Spanish.

**HOW TO SET THE TIME AND DATE**

You can choose between 12 / 24-hour clock or month / day, day / month display format.

**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. To change the setting, press ▲ or ▼.
3. Press **MODE** to confirm and move onto the next setting.
4. The setting sequence is 12 / 24 hour format, hour, minute, year, month-date format, month, day and day of the week language (English, French or Spanish).

**NOTE** Pressing and holding ▲ or ▼ will advance digits in rapid sequence.
HOW TO SET THE ALARMS

The WR601N has 2 alarms (alarm 1 and alarm 2). They can be used together or independently. The alarm icons 🔄 are only displayed when alarm 1 or alarm 2 are active. No icon(s) indicate that the alarm(s) have not been set.

Remember: From the Clock Display Mode, press MODE to enter 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 or 2) display is entered.

   NOTE The last set time of the alarm will be displayed. If you have not set the alarm before, or if the alarm has been disabled, the time will be displayed as [----].

2. Press and hold MODE for 2 seconds.

   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.

3. To enter the hour, press ▲ or ▼ until the desired hour has been selected.

   Remember: Pressing and holding ▲ or ▼ will advance digits in rapid sequence.

4. When the desired hour is reached, press MODE to advance select minutes. Press ▲ or ▼ to change values.

5. After selecting the minutes, press MODE or wait 9 seconds to exit Alarm-Setting Mode and return to Clock Display Mode. The alarm ON icon (.rpm) for the chosen alarm, will be shown to indicate that the alarm is set and will sound at the set time.

When an alarm goes off, it will sound for 1 minute, the EL backlight will activate. Alarms 1 and 2 are identified by different sounds: Alarm 1 has 2 short bursts of sound followed by a pause which then repeats. Alarm 2 has 4 short bursts of sound followed by a pause, which then repeats. Unless disabled, the alarms will sound for a total of 1 minute before automatically turning off.

DISABLING AN ALARM

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

To disable alarm (1 or 2):
Press MODE to enter alarm-1 or alarm-2 display followed by ▲ or ▼.
NOTE When an alarm is activated, the alarm time will be displayed in the alarm display. In the Clock Display Mode, the respective alarm-on icon will appear indicating that alarm 1, 2 (or both) is set.

ENABLING AN ALARM

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

To enable alarm (1 or 2):

Press MODE to enter alarm 1 or alarm 2 display followed by ▲ or ▼. The respective alarm-on icon will appear and the [-- --] alarm time will be replaced with the alarm time set.

HOW TO STOP 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 be stopped and will activate again at the same time the next day.

SNOOZE

When either alarm 1 or 2 sounds, pressing ((SNOOZE)) will stop the alarm for 8 minutes before it sounds again.

BACKLIGHT

The EL back light casts a blue light evenly across the LCD making information easy to read in low light conditions. To activate the backlight, press ((SNOOZE)).

EMERGENCY ALERT SYSTEM (EAS)

The Emergency Alert System (EAS) uses the latest technology to allow local authorities to broadcast important emergency information to specific areas. The Emergency Alert system was originally designed as a communications link between the President and the general public during times of emergency. The EAS communication link is instant and can target the State, National, and Local Area levels. The EAS and NWS share the same digital signal used on the National Oceanic and Atmospheric Administration’s Weather Radio (NWR). Ultimately, the purpose of EAS is to deliver emergency alert information to those who need it.

NOTE This product is equipped to receive all required NOAA and newly added EAS events.

Environment Canada’s Meteorological Service operates its Weatheradio Canada using the same system as EAS in the United States, using SAME technology and the same frequencies for easy use of the same radio in either country and using either system - only the county or CLC codes change.

To receive EAS events, make sure your WR601N radio is working properly. Please refer to the “SAME Messages” section for information about how to receive “Test” messages. When an EAS event is sent by the NWS, any 1 of the following messages will be displayed on your radio: “WARNING”, “WATCH”, or “ADVISORY” Please refer to the list of the National Events and Messages below:
### Nature of Activation

<table>
<thead>
<tr>
<th>Message</th>
<th>Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administrative message</td>
<td>Advisory</td>
</tr>
<tr>
<td>Avalanche Watch</td>
<td>Watch</td>
</tr>
<tr>
<td>Avalanche Warning</td>
<td>Warning</td>
</tr>
<tr>
<td>Biological Hazard Warning</td>
<td>Warning</td>
</tr>
<tr>
<td>Boil Water Warning</td>
<td>Warning</td>
</tr>
<tr>
<td>Blizzard Warning</td>
<td>Warning</td>
</tr>
<tr>
<td>Child Abduction Emergency</td>
<td>Advisory</td>
</tr>
<tr>
<td>Civil Danger Warning</td>
<td>Warning</td>
</tr>
<tr>
<td>Civil Emergency Message</td>
<td>Warning</td>
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<tr>
<td>Coastal Flood Watch</td>
<td>Watch</td>
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<tr>
<td>Coastal Flood Warning</td>
<td>Warning</td>
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<tr>
<td>Chemical Hazard Warning</td>
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<tr>
<td>Contaminated Water Warning</td>
<td>Warning</td>
</tr>
<tr>
<td>Dam Watch</td>
<td>Watch</td>
</tr>
<tr>
<td>Dam Break Warning</td>
<td>Warning</td>
</tr>
<tr>
<td>Contagious Disease Warning</td>
<td>Warning</td>
</tr>
<tr>
<td>Practice / Demo</td>
<td>Advisory</td>
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<tr>
<td>Dust Storm Warning</td>
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<td>Emergency Action Notification</td>
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<td>Emergency Action Termination</td>
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<td>Warning</td>
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<td>Immediate Evacuation</td>
<td>Warning</td>
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<td>Evacuation Watch</td>
<td>Watch</td>
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<td>Food Contamination Warning</td>
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<table>
<thead>
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<th>Message</th>
<th>Message</th>
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<tbody>
<tr>
<td>Flash Flood Watch</td>
<td>Watch</td>
</tr>
<tr>
<td>Flash Flood Statement</td>
<td>Advisory</td>
</tr>
<tr>
<td>Flash Flood Warning</td>
<td>Warning</td>
</tr>
<tr>
<td>Flood Watch</td>
<td>Watch</td>
</tr>
<tr>
<td>Flood Statement</td>
<td>Advisory</td>
</tr>
<tr>
<td>Flood Warning</td>
<td>Warning</td>
</tr>
<tr>
<td>Fire Warning</td>
<td>Warning</td>
</tr>
<tr>
<td>Flash Freeze Warning</td>
<td>Warning</td>
</tr>
<tr>
<td>Freeze Warning</td>
<td>Warning</td>
</tr>
<tr>
<td>Hurricane Statement</td>
<td>Advisory</td>
</tr>
<tr>
<td>Hazardous Materials Warning</td>
<td>Warning</td>
</tr>
<tr>
<td>Hurricane Watch</td>
<td>Watch</td>
</tr>
<tr>
<td>Hurricane Warning</td>
<td>Warning</td>
</tr>
<tr>
<td>High Wind Watch</td>
<td>Watch</td>
</tr>
<tr>
<td>High Wind Warning</td>
<td>Warning</td>
</tr>
<tr>
<td>Iceberg Warning</td>
<td>Warning</td>
</tr>
<tr>
<td>Industrial Fire Warning</td>
<td>Warning</td>
</tr>
<tr>
<td>Local Area Emergency</td>
<td>Advisory</td>
</tr>
<tr>
<td>Law Enforcement Warning</td>
<td>Warning</td>
</tr>
<tr>
<td>Land Slide Warning</td>
<td>Warning</td>
</tr>
<tr>
<td>National Audible Test</td>
<td>Advisory</td>
</tr>
<tr>
<td>National Information Center</td>
<td>Advisory</td>
</tr>
<tr>
<td>Network Notification</td>
<td>Advisory</td>
</tr>
<tr>
<td>National Periodic Test</td>
<td>Advisory</td>
</tr>
</tbody>
</table>
### Nature of Activation Message

<table>
<thead>
<tr>
<th>NATURE OF ACTIVATION</th>
<th>MESSAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Silent Test</td>
<td>ADVISORY</td>
</tr>
<tr>
<td>Nuclear Power Plant Warning</td>
<td>WARNING</td>
</tr>
<tr>
<td>Power Outage Advisory</td>
<td>ADVISORY</td>
</tr>
<tr>
<td>Radiological Hazard Warning</td>
<td>WARNING</td>
</tr>
<tr>
<td>Required Monthly Test</td>
<td>ADVISORY</td>
</tr>
<tr>
<td>Required Weekly Test</td>
<td>ADVISORY</td>
</tr>
<tr>
<td>Special Marine Warning</td>
<td>WARNING</td>
</tr>
<tr>
<td>Special Weather Statement</td>
<td>ADVISORY</td>
</tr>
<tr>
<td>Shelter In-Place Warning</td>
<td>WARNING</td>
</tr>
<tr>
<td>Severe Thunderstorm Watch</td>
<td>WATCH</td>
</tr>
<tr>
<td>Severe Thunderstorm Warning</td>
<td>WARNING</td>
</tr>
<tr>
<td>Severe Weather Statement</td>
<td>ADVISORY</td>
</tr>
<tr>
<td>Tornado Watch</td>
<td>WATCH</td>
</tr>
<tr>
<td>911 Telephone Outage Emergency</td>
<td>ADVISORY</td>
</tr>
<tr>
<td>Tornado Warning</td>
<td>WARNING</td>
</tr>
<tr>
<td>Tropical Storm Watch</td>
<td>WATCH</td>
</tr>
<tr>
<td>Tropical Storm Warning</td>
<td>WARNING</td>
</tr>
<tr>
<td>Tsunami Watch</td>
<td>WATCH</td>
</tr>
<tr>
<td>Tsunami Warning</td>
<td>WARNING</td>
</tr>
<tr>
<td>Volcano Warning</td>
<td>WARNING</td>
</tr>
<tr>
<td>Wild Fire Watch</td>
<td>WATCH</td>
</tr>
<tr>
<td>Wild Fire Warning</td>
<td>WARNING</td>
</tr>
<tr>
<td>Winter Storm Watch</td>
<td>WATCH</td>
</tr>
<tr>
<td>Winter Storm Warning</td>
<td>WARNING</td>
</tr>
</tbody>
</table>

### Unrecognized Messages

<table>
<thead>
<tr>
<th>NATURE OF ACTIVATION</th>
<th>MESSAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unrecognized Watch</td>
<td>WATCH</td>
</tr>
<tr>
<td>Unrecognized Emergency</td>
<td>ADVISORY</td>
</tr>
<tr>
<td>Unrecognized Statement</td>
<td>ADVISORY</td>
</tr>
<tr>
<td>Unrecognized Warning</td>
<td>WARNING</td>
</tr>
</tbody>
</table>

**NOTE** The 4 “Unrecognized” messages above will appear when a new NOAA alert message is created and broadcasted. The unit will not be able to recognize the message as it is not in the software database.

For more information about the Emergency Alert System and event codes, please visit:  
www.fcc.gov/eb/eas/ or http://www.nws.noaa.gov/os/eas_codes.shtml

### SAME Messages

The WR601N receives SAME warning messages in 3 classifications depending upon the level of emergency: Warning, Watch and Advisory. In addition to these 3 classifications, there is another type of message - Test. The purpose of this NWR/Weatheradio Canada service is to assist you in verifying that your WR601N weather radio is set up and working properly. Each week your local weather office will broadcast a test message in SAME format. To receive the Test message, your WR601N needs to be in NOAA-on, NOAA-standby, or NOAA-mute mode with a county/CIC code and channel selected and programmed into the radio. If your WR601N is properly set, a flashing “Test” icon will be displayed on the LCD when a Test message is received. The “Test” icon will continue...
If the Test is cancelled due to the threat of severe weather, the Test broadcast schedule will resume with the next available 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 weather service station.

**CARE AND 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 it 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 circuit.
3. Do not subject the unit to excessive force, shock, dust, temperature, or humidity. Such treatment may 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. The unit contains no user-serviceable parts.
5. Only use new batteries as specified in this instruction manual. Do not mix new and old batteries as the old batteries may leak corrosive or hazardous fluids.
## SPECIFICATIONS

### RADIO FUNCTIONS

<table>
<thead>
<tr>
<th>Channels:</th>
<th>Digital PLL tuning for 7 NOAA channels</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAME code setting options:</td>
<td>6 independent setting options or ALL counties</td>
</tr>
<tr>
<td>Volume:</td>
<td>7 adjustment levels</td>
</tr>
</tbody>
</table>

### TIME FUNCTIONS

| Clock: | 12 or 24 hour format |
| Calendar: | Calendar day-of-the-week display in English, French or Spanish |
| Daily alarms: | 2 one-minute duration alarms |
| Snooze: | 8-minute alarm delay |
| Accuracy: | + / - 0.5 seconds / day |

### GENERAL SPECIFICATIONS

| Battery Type: | 3 UM-3 or “AA” size 1.5V alkaline batteries |
| AC / DC Adapter: | 7.5V - 350mA |
| LCD Dimensions: | 2 (L) x 0.9 (W) inches (50 x 22 mm) |
| Unit Dimensions: | 5.4 (L) x 3 (W) x 1.4 (D) inches (137 x 74 x 35 mm) |
| Unit Weight: | 4.5 oz (131 g) without batteries |
| Operating Temperature: | 23°F to 122°F (-5°C to 50°C) |

### CAUTION

- 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 contents of this manual may not be reproduced without the permission of the manufacturer.

### ABOUT OREGON SCIENTIFIC

Visit our website (www.oregonscientific.com) to learn more about Oregon Scientific products. If you’re in the US and would like to contact our Customer Care department directly, please visit: www2.oregonscientific.com/service/support.asp

For international inquiries, please visit: www2.oregonscientific.com/about/international.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.

**WARNING** Changes or modifications 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:

• 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.

DECLARATION OF CONFORMITY

The following information is not to be used as contact for support or sales. Please visit our website at www2.oregonscientific.com/service for all enquiries.

We

Name: Oregon Scientific, Inc.
Address: 1 9861 SW 95th Ave.,Tualatin, Oregon 97062 USA
Telephone No.: 1-800-853-8883

declare that the product

Product No.: WR601N
Product Name: Emergency Portable Weather Radio
Manufacturer: IDT Technology Limited
Address: Block C, 9/F, Kaiser Estate, Phase 1, 41 Man Yue St., Hung Hom, Kowloon, Hong Kong

is in conformity with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
1) This device may not cause harmful interference.
2) This device must accept any interference received, including interference that may cause undesired operation.