TUCK-AWAY NOAA 1050
MODEL NO.: WR106
USER'S MANUAL

INTRODUCTION

Thank you for purchasing the WR106 NOAA (National Oceanic Atmospheric Administration) Weather and All Hazards Radio. The WR106 broadcasts weather and environmental hazard alerts and warnings issued by the National Weather Radio (NWR) anywhere in the United States served by a NOAA transmitter.

The WR106 is very easy to use and comes with the following features and functions:
- Digital PLL tuning for seven NOAA channels
- Automatic alert activation
- 60dB loud alert alarm
- Backlight

CONTROL BUTTONS AND CONNECTORS

A. NOAA BUTTON
Switches between NOAA-ON and NOAA-STANDBY modes

B. VOLUME KNOB
Adjusts the volume of broadcast

C. NOAA ON/OFF SLIDE SWITCH
Turns the radio on and off

D. CHANNEL BUTTON
Changes the NOAA channels

E. RESET BUTTON
Clears all settings and returns settings to the original default values

F. ANTENNA CONNECTION
Connection for an optional external antenna (not included)

G. SP (SPEAKER) CONNECTION
Connection for an optional external speaker (not included)

H. POWER ADAPTER CONNECTION
Connection for the AC power adapter (included)

I. RETRACTILE ANTENNA
Retractile antenna to enhance reception of NOAA signals

POWER

The WR-106 operates with an AC power adapter. To connect it, plug the adapter into the power adapter connection and an electrical wall outlet.

The WR-106 also accommodates batteries for emergency back-up. As it is common for severe weather to disrupt electrical power, it is recommended that batteries be used in the WR106 for power back-up purposes. The WR106 requires three AAA-sized (UM4) batteries. To insert the batteries, slide open the battery compartment door on the back of the unit and place batteries in the compartment with polarities in the direction only as shown.

The WR106 also features a low battery warning icon and alarm. Replace the batteries when the low-battery indicator appears. The low battery alarm will sound when the batteries are exhausted.

STATUS OF BATTERY ICONS
A "full" battery icon will be displayed when back-up batteries are used without the AC power adapter.
When back-up batteries are low a flashing "empty" battery icon will be displayed, when the batteries are exhausted an alarm will sound. When the WR106 is powered only with the AC power adapter, the flashing "empty" battery icon will also be displayed.

No icons will be displayed when back-up batteries are at full power and the AC power adapter is used providing the primary source of power to the WR106.

Warning: Do not disconnect or change the type of power during the NOAA message reception; doing so will cause the NOAA message broadcast to be interrupted.

BEFORE YOU BEGIN

- Connect the AC power adapter and insert batteries for back-up purposes.
- In some areas an optional external antenna may be needed to improve NOAA broadcast reception. Connect optional antenna if desired.
- An optional external speaker may be used to enhance broadcast quality. Connect optional speaker if desired.

THE BACKLIGHT

When powered by the AC power adapter, the backlight is on continuously. To turn on the backlight when powered by batteries, press [NOAA] or [CHANNEL] and the backlight will activate for 10 seconds.

SELECTING A NOAA CHANNEL

1. Press and hold [CHANNEL] until the channel segment of the display begins to flash.
2. While the display segment is flashing, press [CHANNEL] to sequence through the channel choices (A through G).
3. Once the channel is selected, do not press [CHANNEL] again. Allow the unit 4 seconds to save and lock in the channel selection.

ABOUT NOAA CHANNELS

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

<table>
<thead>
<tr>
<th>Channel</th>
<th>Corresponding Radio Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>162.400MHz</td>
</tr>
<tr>
<td>B</td>
<td>162.455MHz</td>
</tr>
<tr>
<td>C</td>
<td>162.500MHz</td>
</tr>
<tr>
<td>D</td>
<td>162.555MHz</td>
</tr>
<tr>
<td>E</td>
<td>162.610MHz</td>
</tr>
<tr>
<td>F</td>
<td>162.665MHz</td>
</tr>
<tr>
<td>G</td>
<td>162.720MHz</td>
</tr>
</tbody>
</table>

The WR106 labels each frequency channel "A" to "G." Once a radio frequency for a region has been selected, the WR106 will receive audio information on this frequency. The radio channel is located on the right-hand side of the LCD screen.

HOW TO USE THE NOAA FUNCTION

To activate the WR106, set the [ON/OFF] to "ON." To deactivate the WR106, set the [ON/OFF] to "OFF."

Once activated, press [NOAA] to select NOAA-ON or NOAA-Standy mode. The light bar on the front of the unit will flash in green as the unit searches for NOAA messages.

See "Selecting A NOAA Channel" to select the channel. Adjust the radio volume, by rotating the [VOLUME KNOB].

NOAA-ON:

In NOAA-On mode, the WR106 broadcasts NWR non-emergency information continuously. When a NOAA alert message is received, the regular broadcast will be interrupted and an alert alarm will sound followed by an audio broadcast regarding the alert or warning.

NOAA-STANDBY:

When the WR106 receives a NOAA alert message, the unit will automatically activate. An alert alarm will sound followed by an audio broadcast regarding the alert or warning. Approximately five-minutes after the alert audio broadcast, the WR106 will automatically revert back to NOAA-Standy mode.

ALERTS:

When a NOAA alert is detected in either NOAA-On or NOAA-Standy, an alert alarm will sound. When the WR106 is powered by the AC power adapter, the alarm will sound for seven-seconds in battery power operation the alarm will sound four seconds.

In addition to the alert alarm and audio broadcast, when the WR106 receives a NOAA alert, the light bar will flash in red. The light bar will continue flashing for about an hour after the NOAA alert has been received.

To erase the NOAA alert, press [NOAA].

AUDIO & VISUAL RESPONSE OF NOAA FUNCTION

To test the alert function, press and hold [NOAA] for two seconds. The unit will emit a loud alert alarm for three seconds and the light bar will flash in red. The WR106 will return to the set mode after the test is ended.

THE RESET BUTTON

To clear all settings and cause the settings to return to their original default values, press [RESET] using a blunt stylus to hold down the button.

PRECAUTIONS

- Read the user's manual thoroughly.
- Do not subject the unit to excessive force, shock, dust and temperature.
- Do not tamper with the unit's internal components.
- Do not mix fresh and old batteries, or batteries of different specifications.

SPECIFICATIONS

Radio Functions

- Channels: Digital PLL tuning for Seven (7) NOAA channels

General Specifications

Battery Type: Three AAA-size (or UM-4) size 1.5V alkaline batteries

Size Dimensions: 1.65" (L) x 2.00" (W) x 0.75" (H)

Unit Dimensions: 4.15 (L) x 7 (W) mm

Unit Weight: 134.5 (L) x 83 (W) x 23 (D) mm

Operating Temperature: 39°F to 122°F (-20°C to 50°C)

CAUTION

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

NOTE ON COMPLIANCE

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) the 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 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:

- Reorient or relocate the WR106.
- Increase the separation between the WR106 and the effected equipment.
- Connect the effected equipment into an electrical outlet that is on a different from that of the WR106.
- Consult an experienced radio/TV technician for help.

WARRANTY

This product is warranted to be free of manufacturing defects for 90 days after purchase. Defective product returns should be directed to the place of retail purchase. This warranty does not cover a product subjected to internal tampering, abuse, misuse or accidental damage.

CUSTOMER ASSISTANCE

Should you have questions or require additional information regarding the WR106, please contact our Customer Service Department at 800-782-8500 or via email at: helpme@oscientific.com.

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