

## Oregon Scientific RAR213HG

# Oregon Scientific RAR213HG WeatheratHome Wireless Weather Station User Manual

Model: RAR213HG

## 1. INTRODUCTION

The Oregon Scientific RAR213HG WeatheratHome Wireless Weather Station provides accurate indoor and outdoor temperature and humidity readings. This device features Bluetooth 4.0 connectivity, allowing integration with a dedicated smart application for iOS and Android devices. It includes a 7-day data logger and an ice alert function to keep you informed about changing weather conditions.

## 2. PACKAGE CONTENTS

- Main Display Unit (RAR213HG)
- Wireless Outdoor Sensor
- User Manual (this document)
- Batteries (4 AA batteries required, typically included)

## 3. PRODUCT FEATURES

- Indoor and outdoor temperature and humidity display with trend indicators.
- Supports up to 5 wireless sensors (one included).
- Smart App compatibility for iOS and Android via Bluetooth 4.0.
- Integrated 7-day data logger in the main display unit.
- Wireless transmission range up to 150 feet (approximately 45 meters).
- Daily high/low memory for indoor and outdoor temperature and humidity.
- Ice alert function.
- LED backlight for enhanced visibility.

## 4. SETUP

### 4.1 Battery Installation

1. **Main Display Unit:** Open the battery compartment cover on the back of the main unit. Insert 2 AA

batteries, observing the correct polarity (+/-). Close the cover.

2. **Wireless Outdoor Sensor:** Open the battery compartment cover. Insert 2 AA batteries, observing the correct polarity (+/-).

#### 4.2 Setting Measurement Units (Celsius/Fahrenheit)

After installing batteries in the main unit, locate the small hole labeled 'C/F' inside the battery compartment. Use a paperclip or toothpick to press this button to toggle between Celsius (°C) and Fahrenheit (°F) display units.

#### 4.3 Sensor Pairing and Placement

1. **Sensor Channel Selection:** Before closing the outdoor sensor's battery cover, ensure the channel switch (usually labeled 1, 2, or 3) is set to your desired channel (default is typically 1).
2. **Sensor Reset:** Press the RESET button inside the outdoor sensor's battery compartment with a paperclip or toothpick. This should be done every time batteries are changed.
3. **Main Unit Pairing:** The main unit will automatically search for the outdoor sensor. The outdoor temperature and humidity should appear on the display. If not, use the arrow keys on the main unit to select the correct channel (matching the sensor's setting). If still no reading, press the **UP arrow** and **MODE** buttons simultaneously on the main unit to initiate a manual scan for the sensor signal.
4. **Sensor Placement:** Place the wireless outdoor sensor in a shaded, dry location, protected from direct sunlight and rain, to ensure accurate readings. Ensure it is within the 150-foot transmission range of the main unit.



Image 1: Front view of the Oregon Scientific RAR213HG main display unit, showing various readings and controls.

## 5. OPERATING INSTRUCTIONS

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## 5.1 Display Overview

The main display unit shows:

- Outdoor Temperature and Humidity (top section)
- Indoor Temperature and Humidity (middle section)
- Current Time and Date (bottom section)
- Ice Alert icon (when temperature drops to a critical level)
- Wireless signal strength indicator for the outdoor sensor



Image 2: The weather station in a home setting, illustrating its compact design and clear display.

## 5.2 Button Functions

- **MODE:** Press to cycle through different display modes, such as daily high/low temperature and humidity records.
- **LIGHT:** Press to activate the LED backlight for a few seconds, improving visibility in low-light conditions.
- **MEM (Memory):** Used in conjunction with the MODE button to view or clear memory records.
- **Arrow Keys (Up/Down):** Used to manually select the outdoor sensor channel or adjust settings during setup.

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## 6. CONNECTING TO THE SMART APP

The RAR213HG weather station can connect to a dedicated smart application on your smartphone or tablet via Bluetooth 4.0.

1. **Download the App:** Search for the 'WeatheratHome' app by Oregon Scientific in the Apple App Store (for iOS) or Google Play Store (for Android). Download and install the application.
2. **Enable Bluetooth:** Ensure Bluetooth is enabled on your smartphone or tablet.
3. **Pairing:** Open the WeatheratHome app. Follow the on-screen instructions to pair your device with

the weather station. The app will guide you through the connection process.

4. **Data Access:** Once connected, the app allows you to view current and historical temperature and humidity data logged by the weather station for up to 7 days.

## 7. MAINTENANCE

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- **Battery Replacement:** Replace batteries in both the main unit and the outdoor sensor when the low battery indicator appears on the display. Always replace all batteries at the same time.
- **Cleaning:** Wipe the units with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Sensor Care:** Periodically check the outdoor sensor for any debris or obstructions that might affect its readings. Ensure its protective casing remains intact.

## 8. TROUBLESHOOTING

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- **No Outdoor Reading:**
  - Ensure batteries are correctly installed and not depleted in both units.
  - Verify the outdoor sensor's channel switch matches the selected channel on the main unit.
  - Press the RESET button on the outdoor sensor.
  - On the main unit, press the **UP arrow** and **MODE** buttons simultaneously to force a sensor scan.
  - Reduce the distance between the main unit and the sensor, or relocate them to avoid interference.
- **Inaccurate Readings:**
  - Ensure the outdoor sensor is not in direct sunlight or exposed to extreme heat sources.
  - Check for proper ventilation around both units.
  - Compare readings with other reliable thermometers/hygrometers if available.
- **App Connectivity Issues:**
  - Ensure Bluetooth is active on your smart device.
  - Restart the WeatheratHome app.
  - Try restarting your smart device and the weather station.
  - Ensure the weather station is within Bluetooth range of your smart device.

## 9. SPECIFICATIONS

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- **Model:** RAR213HG
- **Product Dimensions:** 13.56 x 7.29 x 5.13 cm (Main Unit)
- **Weight:** 181.44 g
- **Power Source:** Battery Powered (4 AA batteries required)
- **Connectivity:** Bluetooth 4.0
- **Wireless Range:** Up to 150 feet (45 meters)
- **Special Features:** Wireless Design, Smart App, 7-Day Data Logger, Ice Alert
- **Recommended Use:** Outdoor (with protected sensor)
- **Specific Uses:** Humidity, Temperature monitoring

## 10. WARRANTY AND SUPPORT

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For specific warranty information, technical support, or to purchase additional sensors, please refer to the official Oregon Scientific website or contact their customer service directly. Warranty terms may vary by region and retailer.

**Oregon Scientific Official Website:** [www.oregonscientific.com](http://www.oregonscientific.com)

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