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Oregon Scientific BAR218HG

Oregon Scientific BAR218HG WeatheratHome Wireless Weather Station User Manual

Model: BAR218HG

PRODUCT OVERVIEW

The Oregon Scientific BAR218HG WeatheratHome Wireless Weather Station provides comprehensive local weather monitoring with Bluetooth connectivity. It displays indoor and outdoor temperature and humidity, a 12-24 hour weather forecast, and moon phase. The device also features weather alerts for conditions like heat, fog, frost, rain, and wind storms. Its clock function automatically syncs with your smartphone for accurate timekeeping, including daylight saving adjustments. The accompanying mobile application allows for monitoring of up to 5 locations, viewing 7-day history, and data logging.

Figure 1: Front view of the Oregon Scientific BAR218HG Weather Station, showing its main display with outdoor and indoor readings, weather forecast, and control buttons.

PACKAGE CONTENTS

- BAR218HG Main Unit
- One THGN132N Wireless Outdoor Temperature/Humidity Sensor
- User Manual (this document)
- Batteries (not included, requires 4 AA batteries for main unit, 2 AAA batteries for sensor - typical)

SETUP

1. Battery Installation

1. Open the battery compartment cover on the back of the main unit.
2. Insert 4 AA batteries, observing the correct polarity (+ and -).
3. Close the battery compartment cover.

4. For the THGN132N sensor, open its battery compartment and insert 2 AAA batteries, observing polarity.

5. Close the sensor's battery compartment.

2. Sensor Placement

Place the THGN132N wireless sensor outdoors in a shaded area, away from direct sunlight and heat sources, to ensure accurate temperature and humidity readings. The transmission range is up to 150 feet (45 meters) from the main unit.

3. Initial Synchronization

Upon battery installation, the main unit will automatically search for the outdoor sensor. Ensure the sensor is within range. The outdoor temperature and humidity should appear on the main unit's display within a few minutes.

4. App Connection (Bluetooth)

1. Download the "Weather@Home" app from your smartphone's app store.

2. Enable Bluetooth on your smartphone.

3. Open the Weather@Home app and follow the on-screen instructions to pair with your BAR218HG unit.

4. Once connected, the app will sync the time to the weather station and allow you to view detailed data and history.

OPERATING THE WEATHER STATION

Display Information

The main unit's display shows the following information:

- **Outdoor Temperature and Humidity:** Current readings from the wireless sensor.
- **Indoor Temperature and Humidity:** Current readings from the main unit's internal sensors.
- **12-24 Hour Weather Forecast:** Graphical representation (sunny, cloudy, rainy, etc.).
- **Moon Phase:** Current moon phase.
- **Time:** Current time, synced via app.
- **Ice Alert:** Indication for potential ice conditions.
- **Bluetooth Connectivity Icon:** Indicates connection status with the app.
- **Sensor Signal Strength:** Indicates connection quality with the outdoor sensor.

Buttons and Functions

- **MODE:** Cycles through display modes or enters settings.
- **LIGHT:** Activates the LED backlight.
- **MEM:** Displays minimum/maximum temperature and humidity readings.
- **Up/Down Arrows:** Used for adjusting settings or navigating menus.

Using the Mobile App

The Weather@Home app provides enhanced functionality:

- View temperature and humidity from up to 5 locations (with additional sensors).
- Access 7-day history of temperature and humidity data.
- Data logging capabilities.
- Automatic time synchronization.
- Easy labeling feature for different sensor locations.

MAINTENANCE

- **Cleaning:** Wipe the main unit and sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries in both the main unit and the sensor when the low battery indicator appears on the display or in the app.
- **Sensor Placement:** Periodically check the outdoor sensor's placement to ensure it remains protected from direct elements and is providing accurate readings.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No outdoor temperature/humidity reading.	Sensor out of range or batteries low/dead.	Move sensor closer to the main unit. Replace sensor batteries. Re-synchronize the sensor (refer to setup section).
Inaccurate outdoor readings.	Sensor exposed to direct sunlight or heat sources.	Relocate the sensor to a shaded, well-ventilated area.
Bluetooth connection issues.	Bluetooth off on phone, app not running, or unit too far.	Ensure Bluetooth is enabled on your device. Restart the app. Bring your device closer to the weather station.
Display is blank or dim.	Main unit batteries are low or dead.	Replace the main unit batteries.

SPECIFICATIONS

Model: BAR218HG

Brand: Oregon Scientific

Product Dimensions: 18.59 x 9.4 x 5.41 cm

Item Weight: 222 g

Material: Polycarbonate (PC)

Power Source: Battery Powered (Main Unit: 4 AA batteries, Sensor: 2 AAA batteries - typical)

Connectivity: Bluetooth v4.0

Transmission Range: Up to 150 feet (approx. 45 meters)

Special Features: Clock, Lightweight, Weather Alert, 7-day Data Logger, LED Backlight

WARRANTY AND SUPPORT

Warranty Information

Specific warranty details are typically provided with the product packaging or on the manufacturer's official website. Please refer to the documentation included with your purchase for the most accurate and up-to-date warranty terms and conditions.
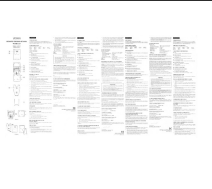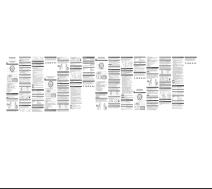
Customer Support

For technical assistance, troubleshooting, or inquiries regarding your Oregon Scientific BAR218HG Weather Station,

please visit the official Oregon Scientific support website or contact their customer service department. Contact information can usually be found on the product packaging or their website.

Note: Additional sensors (e.g., BTHGN129, THN132N, THGR122NX) can be purchased separately to expand monitoring capabilities up to 5 locations.

Related Documents - **BAR218HG**

	[Oregon Scientific BAR218HG Weather@Home Bluetooth-enabled Weather Station User Manual](#) User manual for the Oregon Scientific Weather@Home Bluetooth-enabled Weather Station, model BAR218HG. Learn about setup, features, specifications, operation, and troubleshooting.
	[Oregon Scientific THR128 Thermometer User Manual](#) User manual for the Oregon Scientific THR128 thermometer, detailing its features, specifications, installation, operation, and troubleshooting steps. Includes information on components, battery replacement, and care.
	[Oregon Scientific EMS100 Wireless Indoor/Outdoor Thermometer User Manual](#) User manual for the Oregon Scientific EMS100 Wireless Indoor and Outdoor Thermometer with USB. Provides instructions for setup, software installation, data upload, and specifications.
	[Oregon Scientific Artisan Weather Station BAR220/BAR220A/BAR220U User Manual](#) User manual for the Oregon Scientific Artisan Weather Station (Models BAR220, BAR220A, BAR220U). Includes setup instructions, operation, specifications, and troubleshooting.
	[Oregon Scientific RAR621 Easy Multi Channel Thermometer User Manual](#) User manual for the Oregon Scientific RAR621 Easy Multi Channel Thermometer. Provides setup, operation, features, and troubleshooting for this multi-channel thermometer.
	[Oregon Scientific EB313HGN Handheld Weather Station User Manual](#) User manual for the Oregon Scientific EB313HGN Handheld Weather Station, providing instructions on setup, features like clock, alarm, barometer, temperature, humidity, moon phase, and troubleshooting.