Weather@Home
Bluetooth-enabled Weather Station
Model: BAR218HG
User Manual

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INTRODUCTION

Thank you for selecting our Oregon Scientific™ Weather@Home Bluetooth-enabled Weather Station. In addition, it is also carried out the changeable display between indoor and outdoor temperatures.

NOTE Please keep this manual handy as you use your new product. It contains practical step-by-step instructions, as well as technical specifications and warnings you should know about.

OVERVIEW

FRONT VIEW

1. Remote sensor reception indicator and outdoor channel selected
2. 🌞: Outdoor remote sensor battery low
3. ☀: Next 12 hour Weather forecast and pressure trend
4. 🪐 / ⚡ / ☀ / ⛄ / 🌌: weather warning message
5. Indoor temperature reading (current/MAX/MIN) with temperature trend
6. 📹: BLE connection indicator
7. 🚫: Main unit battery low
8. Ice alert LED indicator
9. MODE: Change settings / display
10. MEM: View current, maximum and minimum temperature / humidity
11. LIGHT: Activate backlight
12. ▲ / ▼: Increase / decrease value of the settings; toggle only ▲ button to select outdoor channels (1-5); activate / deactivate pairing mode.
13. AM/PM: Morning/afternoon
**MD/DM/Yr**: Calendar / clock with weekday (hour : minute with second display)

14. Indoor humidity reading (current / MAX / MIN) with humidity trend

15. Moon phase display

16. Outdoor humidity (current / MAX / MIN) with humidity trend

17. Outdoor temperature reading (current / MAX / MIN) with temperature trend

**REAR VIEW**

1. °C / °F: Select temperature unit
2. **RESET**: Reset the unit to default settings
3. Battery compartment

**REMOTE SENSOR (THGN132N)**

1. LED status indicator
2. Wall mount hole
3. Battery compartment
4. **RESET** hole
5. **CHANNEL** switch

**GETTING STARTED**

**INSERT BATTERIES**

1. Remove the battery compartment.
2. Insert the batteries, matching the polarities (+/-).
3. Press **RESET** after each battery change.
<table>
<thead>
<tr>
<th>LOCATION</th>
<th>MEANING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clock / alarm area</td>
<td>Main unit batteries low</td>
</tr>
<tr>
<td>Outdoor temperature area</td>
<td>Sensor batteries low</td>
</tr>
</tbody>
</table>

**REMOTE SENSOR**

The main unit can collect data from up to 5 sensors.

**To set up the sensor:**
1. Open the battery compartment.
2. Select a channel then press **RESET**.
3. Close the battery door.
4. Place the sensor within 98 ft (30 m) of the main unit using the table stand or wall mount.

**TIP** Ideal placements for the sensor would be in any location on the exterior of the home at a height of not more than 5 ft (1.5 m) and which can shield it from direct sunlight or wet conditions for an accurate reading.

**NOTE** Use alkaline batteries for longer usage and consumer grade lithium batteries in temperatures below freezing.

**SENSOR DATA TRANSMISSION**

**To search for a sensor:**
Press and hold **△** and **MODE** at a time.

The sensor reception icon in the remote sensor area shows the status:

<table>
<thead>
<tr>
<th>ICON</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="icon1.png" alt="Icon" /></td>
<td>Main unit is searching for sensor(s).</td>
</tr>
<tr>
<td><img src="icon2.png" alt="Icon" /></td>
<td>A channel has been found.</td>
</tr>
<tr>
<td><img src="icon3.png" alt="Icon" /></td>
<td>The sensor cannot be found.</td>
</tr>
</tbody>
</table>

**TIP** The transmission range may vary depending on many factors. You may need to experiment with various locations to get the best results.

**CLOCK**

**MANUALLY SET CLOCK**

1. Press and hold **MODE**.
2. Press **△** or **▽** to change the settings.
3. Press **MODE** to confirm.
4. The settings order is: 12/24 hour format, hour, minute, year, calendar format (day-month / month-day), month, day and language.

The language options are English (E), German (D), French (F), Italian (I), and Spanish (S).

To select display mode:
Toggle MODE to choose among clock with seconds / weekday / calendar / moon phase.

### WEATHER FORECAST

This product forecasts the next 12 hours of weather within a 19-31 mile (30-50 km) radius.

- Sunny
- Partially Cloudy
- Cloudy
- Rainy
- Snowy

### WEATHER WARNING MESSAGE

The weather warning messages provide indications of probable circumstances that may arise based on the weather station’s calculations. The meanings for the warnings are illustrated below:

<table>
<thead>
<tr>
<th>WARNING</th>
<th>MESSAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>![HEAT]</td>
<td>Risk of high temperatures</td>
</tr>
<tr>
<td>![WIND]</td>
<td>Risk of fast wind speeds</td>
</tr>
<tr>
<td>![STORM]</td>
<td>Risk of a storm</td>
</tr>
<tr>
<td>![FOG]</td>
<td>Risk of foggy conditions</td>
</tr>
<tr>
<td>![FROST]</td>
<td>Risk of icy conditions</td>
</tr>
</tbody>
</table>

### TEMPERATURE AND HUMIDITY

To select temperature unit:
- Select °C or °F for temperature readings by a pin or the top of a pen.

To select an outdoor sensor’s readings:
- Toggle ▲ to select your desired sensor reading.

To auto-scan among sensors:
- Press and hold ▼ and MEM at a time to display each sensor’s data for 3 seconds.
- To end, press ▲.

To display current, minimum and maximum records of the day from a selected sensor:
- Toggle MEM.

To clear the records:
- Press and hold MEM.
ICE WARNING

If the channel 1 sensor falls from 37°F to 28°F (3°C to -2°C), LED indicator will flash, and will stop flashing once the temperature is out of this range.

- Press ▲ and ▼ at the same time to disable the ice alert warning.

**NOTE** As ice alert is only applicable to channel 1, to prevent flashing of LED, select channel 2-5 on outdoor sensor.

WEATHER TRENDS

The temperature, humidity and pressure trend icons are based on recent sensor readings.

<table>
<thead>
<tr>
<th>RISE</th>
<th>STEADY</th>
<th>FALL</th>
</tr>
</thead>
</table>

MOON PHASE

In moon phase mode, press ▲ or ▼ to scan through the years (2001 to 2099).

- New moon
- Waxing crescent
- First quarter
- Waxing gibbous
- Full moon
- Waning gibbous
- Third quarter
- Waning crescent

**NOTE** Star icons around the moon phase will be displayed from 6 o’clock in the evening to 6 o’clock the next morning.

BACKLIGHT

Press LIGHT to activate backlight for 5 seconds.

RESET

Press RESET to return to the default settings.

CONNECT WITH YOUR MOBILE DEVICE

You can remotely set the weather station and read the weather information through Bluetooth 4.0 using your mobile device with the downloaded application from the Apple Store and the Google Play Store. To quickly find the application, type ‘Weather@Home’ as keyword in the search engine.

Ensure your mobile device is compatible with iOS 5 or Android 4.3 with Bluetooth 4.0.
PAIRING YOUR WEATHER STATION

First of all, you need to pair your weather station with your mobile device. \( \text{Pair Up} \) will flash on the screen of the weather station while pairing and be on after successful pairing.

Press \( \text{Pair Up} \) to enable a pair-up for the main unit for 30 seconds.

1. Tap \( \text{Pair Up} \) to enter SETTINGS screen
2. Tap on \( \text{STATION} \) area.
3. Tap Pair Up. Searching... displays. If you want to cancel the pairing, tap Cancel.
4. Once the pairing is successful, it will return to \( \text{STATION} \) screen.
5. Tap on each channel to rename it. (Up to 20 characters including space are allowed). Tap \( \text{Done} \) if completed. Tap \( \text{Done} \) to exit.

To remove sensor:
To remove any sensor from the weather station, Tap Remove Station on \( \text{STATION} \) screen, all the sensors will be removed at the same time.

To reposition the sensors on screen:
1. On \( \text{STATION} \) screen, tap \( \text{STATION} \)
2. Press and hold \( \text{STATION} \) at the right side of a sensor. Drag it to your desired position.
3. Tap \( \text{STATION} \) to confirm.

SETTINGS

You can set your weather station through the application, such as measurement units.

The settings are as follows:
- Temperature
- Barometric
- Rainfall (not available in BAR218HG)
• Wind speed (not available in BAR218HG)
• Altitude
• Show Unavailable Sensor
• Automatically Sync Time
• Show Sea Level Pressure

To select the measurement unit:
1. Tap ➝ to view the measurement unit options.
2. Tap on your desired unit.
3. Tap ➡ to go back to the previous screen.

To set altitude:
The altitude reflects the distance from sea level at your position.
1. Fill in the altitude of your main unit in the blank.
2. Tap Done.

VIEW CURRENT READINGS
You can directly view all the weather readings from different sensors through the application at a time. The readings are in HOME screen.

NOTE If low battery icon ⚡ displays on the screen, please replace the batteries for the corresponding device.
To show unavailable sensor:
If the sensor is out of range, the readings are interrupted and — (dash mode) displays on the screen. If you do not want to show the unavailable sensor:

- On SETTINGS screen, touch and slide the button to right to turn on the function, or sliding to left to turn it off.

To automatically synchronize time:
Time and date on your weather station could be automatically synchronized by your mobile device.

- On SETTINGS screen, touch and slide the button to right to turn on the function, or sliding to left to turn it off.

To show sea level pressure:
After the altitude is input, you can view the sea level pressure on the HOME screen.

- On SETTINGS screen, touch and slide the button to right to turn on the function, or sliding to left to turn it off.

NOTE When altitude is set to 0 meter, the pressure reading is the local pressure. If the altitude is set to the current location, the new pressure reading will be displayed as a sea level pressure.

VIEW HISTORY READINGS
You can view history through the application. The history could also be presented in graphs (past 24 hours or past 7 days).

To view the history:
1. Tap on your desired sensor area on the screen.
2. Tap  or  to select your desired data or tap  to sort the data by date.

PRECAUTIONS
- Do not subject the unit to excessive force, shock, dust, temperature or humidity.
- Do not cover the ventilation holes with any items such as newspapers, curtains etc.
- Do not immerse the unit in water. If you spill liquid over it, dry it immediately with a soft, lint-free cloth.
• Do not clean the unit with abrasive or corrosive materials.
• Do not tamper with the unit’s internal components. This invalidates the warranty.
• Only use fresh batteries. Do not mix new and old batteries.
• Images shown in this manual may differ from the actual display.
• When disposing of this product, ensure it is collected separately for special treatment and not as household waste.
• Placement of this product on certain types of wood may result in damage to its finish for which Oregon Scientific will not be responsible. Consult the furniture manufacturer’s care instructions for information.
• The contents of this manual may not be reproduced without the permission of the manufacturer.
• Do not dispose old batteries as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.
• Please note that some units are equipped with a battery safety strip. Remove the strip from the battery compartment before first use.

**NOTE** The technical specifications for this product and the contents of the user manual are subject to change without notice.

**NOTE** Features and accessories will not be available in all countries. For more information, please contact your local retailer.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MAIN UNIT</strong></td>
<td></td>
</tr>
<tr>
<td>L x W x H</td>
<td>7.32 x 3.7 x 2.13 in 186 x 94 x 54 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>223 g without battery</td>
</tr>
<tr>
<td>Temperature range</td>
<td>-5°C to 50°C (23°F to 122°F)</td>
</tr>
<tr>
<td>Signal frequency</td>
<td>433 MHz</td>
</tr>
<tr>
<td>Humidity range</td>
<td>25% - 95%</td>
</tr>
<tr>
<td>Power</td>
<td>3 x UM-3 (AA) 1.5V batteries</td>
</tr>
<tr>
<td>Temperature range</td>
<td>3°C to -2°C</td>
</tr>
<tr>
<td><strong>REMOTE UNIT (THGN132N)</strong></td>
<td></td>
</tr>
<tr>
<td>L x W x H</td>
<td>50 x 22 x 96 mm (1.97 x 0.87 x 3.78 in)</td>
</tr>
<tr>
<td>Weight</td>
<td>62 g (2.22 ounces) without battery</td>
</tr>
<tr>
<td>Transmission range</td>
<td>98 ft (30 m) unobstructed</td>
</tr>
<tr>
<td>Temperature range</td>
<td>-20°C to 60°C (-4°F to 140°F)</td>
</tr>
<tr>
<td>Humidity range</td>
<td>25% - 95%</td>
</tr>
<tr>
<td>Power</td>
<td>1 x UM-3 (AA) 1.5 V battery</td>
</tr>
</tbody>
</table>
ABOUT OREGON SCIENTIFIC
Visit our website www.oregonscientific.com to learn more about Oregon Scientific products.

For any enquiry, please contact our Customer Services at info@oregonscientific.com.

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EU-DECLARATION OF CONFORMITY
Hereby, Oregon Scientific, declares that Weather@Home Bluetooth-enabled Weather Station (model: BAR218HG) is in compliance with the essential requirements and other relevant provisions of Directive 1999/05/EC. A copy of the signed and dated Declaration of Conformity is available on request via our Oregon Scientific Customer Service.

FCC & IC 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.

COUNTRIES RTTE APPROVED COMPLIED
All EU countries, Switzerland CH and Norway N
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 call our customer service number (listed on our website at www.oregonscientific.com), or on the warranty card for this product) for all inquiries instead.

We

Name: Oregon Scientific, Inc.
Address: 10778 SW Manhasset Drive,
Tualatin, OR 97062, USA
Telephone No.: 1-800-853-8883

Declare that the product

Product No.: Model: BAR218HG
Product Name: Weather@Home
Bluetooth-enabled Weather Station
Manufacturer: IDT Technology Limited
Address: Block C, 9/F, Kaiser Estate,
Phase 1, 41 Man Yue St.,
Hung Hom, Kowloon,
Hong Kong.