Oregon
SCIENTIFIC

Solar Weather Station Advance
Model: BAR808HG / BAR808HGA

USER MANUAL

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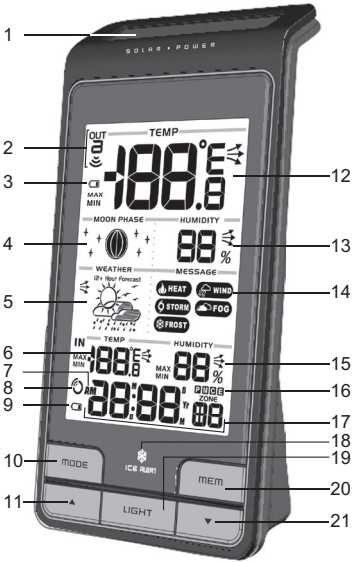

1. Solar panel
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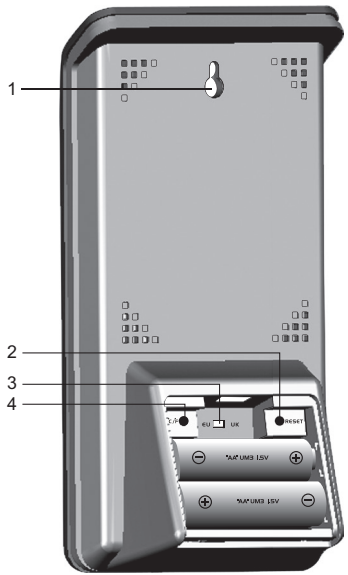
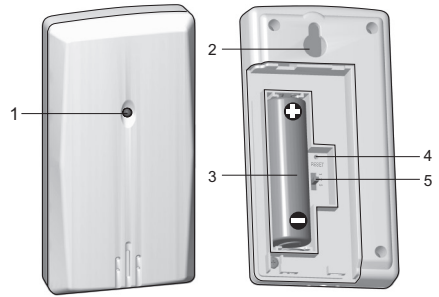
21. ▼: Decrease value of the setting; deactivate clock reception signal

BACK VIEW



1. Wall mount hole
2. **RESET**: Reset unit to default settings
3. **EU / UK**: Select the nearest radio signal (BAR808HG only)
4. **°C / °F**: Select temperature unit

REMOTE SENSOR



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

GETTING STARTED

SOLAR PANEL

The solar panel is an energy saving feature, which is an environmentally friendly way to provide additional power to the main unit and prolongs battery life. However, it cannot replace battery power entirely.

INSERT BATTERIES

1. Remove the battery compartment.
2. Insert the batteries, matching the polarities.
3. Press **RESET** after each battery change.

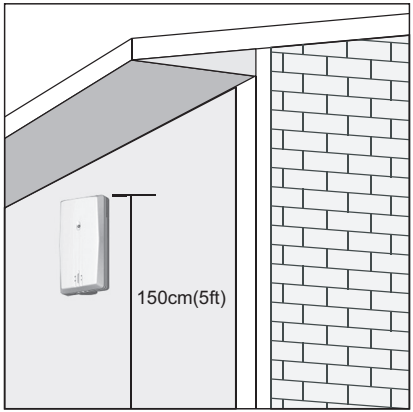
REMOTE SENSOR

The main unit can collect data from up to 3 sensors.

To set up the sensor:

1. Open the battery compartment.
2. Insert the battery, matching the polarities.
3. Select a channel. Press **RESET** after each battery change.
4. Close the battery door.
5. Place the sensor within 30 m (98 ft) 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 and which can shield it from direct sunlight or wet conditions for an accurate reading.



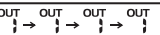
NOTE Use alkaline batteries for longer usage and consumer grade lithium batteries in temperatures below freezing.

SENSOR DATA TRANSMISSION

To search for a sensor:

Press and hold ▲ **+ MODE**.

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

ICON	DESCRIPTION
	Main unit is searching for sensor(s).
	A channel has been found.
	The sensor cannot be found.

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

CLOCK

CLOCK RECEPTION

This product is designed to synchronize its clock automatically with a clock signal.

BAR808HG: Slide **EU / UK** to select the signal received.

- EU: DCF-77 signal: within 1500 km (932 miles) of Frankfurt, Germany.
- UK: MSF-60 signal: within 1500 km (932 miles) of Anthorn, England.

BAR808HGA: WWVB-60 signal: within 3200km (2000 miles) of Fort Collins Colorado.

To enable / disable signal reception:

Press and hold ▲ to enable or ▼ to disable signal reception.

NOTE Reception takes 2-10 minutes. If the signal is weak, it can take up to 24 hours to get a valid signal. If signal reception is unsuccessful, place your unit next to a window, press and hold ▲ to force another signal search.

Clock signal reception indicator:

STRONG SIGNAL	WEAK / NO SIGNAL
	

MANUALLY SET CLOCK

To set the clock manually, disable the signal reception first.

1. Press and hold **MODE**.
2. Press ▲ or ▼ to change the settings.
3. Press **MODE** to confirm.
   The settings order is: time zone, 12/24 hr format, hour, minute, year, calendar mode (day – month / month – day), month, day and language.

BAR808HG: Time zone offset sets the clock +/- 23 hours from the received clock signal time.If you have deactivated the clock signal reception, do not set a value for time zone.

BAR808HGA: Select the time zone: (P) Pacific, (E) Eastern, (C) Central or (M) Mountain.

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

To select display mode:

Press **MODE** to choose between clock with seconds / weekday / calendar / moon phase.

WEATHER FORECAST

This product forecasts the next 12 to 24 hours of weather within a 30-50 km (19-31 mile) 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:

Warning	Meaning
	Risk of high temperatures
	Risk of fast wind speeds
	Risk of a storm
	Risk of foggy conditions
	Risk of icy conditions

TEMPERATURE AND HUMIDITY

To toggle temperature unit:
Press **°C** / **°F**.

To toggle between each outdoor sensor's readings:
Press ▲ repeatedly
OR
Press and hold ▼ + **MEM** for 2 seconds to initiate auto toggle of outdoor channels.
To end, press ▲

To toggle between current, minimum and maximum records:

Press **MEM** repeatedly.

To clear the records:
Press and hold **MEM**.

ICE WARNING

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

NOTE As ice alert is only applicable to channel 1, to prevent flashing of LED, select channel 2 or 3 on outdoor sensor.

WEATHER TRENDS

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

RISE	STEADY	FALL
		

MOON PHASE

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

	New Moon		Full Moon
	Waxing Crescent		Waning Gibbous
	First quarter		Last quarter
	Waxing Gibbous		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.

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 normal 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

TYPE	DESCRIPTION
MAIN UNIT	
L x W x H	94 x 46 x 175 mm (3.7 x 1.8 x 6.9 in)
Weight	242 g (8.5 oz) without battery
Temperature range	-5°C to 50°C (23°F to 122°F)
Signal frequency	433 MHz
Humidity range	25% - 95%
Power	3 x UM-3 (AA) 1.5 V batteries

REMOTE UNIT (THGN132N)	
L x W x H	50 x 22 x 96 mm (1.97 x 0.87 x 3.78 in)
Weight	62 g (2.22 ounces) without battery
Transmission range	30 m (98 ft) unobstructed
Temperature range	-20°C to 60°C (-4°F to 140°F)
Humidity range	25% - 95%
Power	1 x UM-3 (AA) 1.5 V battery

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For international inquiries, please visit:

www2.oregonscientific.com/about/international.asp

EU-DECLARATION OF CONFORMITY

Hereby, Oregon Scientific, declares that this Solar Weather Station Advance (Model: BAR808HG / BAR808HGA) is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A copy of the signed and dated Declaration of Conformity is available on request via our Oregon Scientific Customer Service.

COUNTRIES RTTE APPROVAL COMPLIED

All EU countries, Switzerland (CH) and Norway (N)

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 devi ce 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.
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declare that the product

Product No.:	BAR808HG / BAR808HGA
Product Name:	Solar Weather Station Advance
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.