Weather Light
Model: BAR210 / BAR210U / BAR210A

USER MANUAL
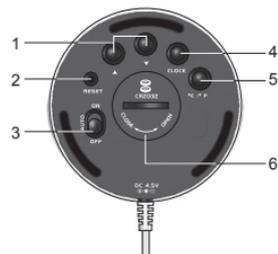
1

EN

OVERVIEW

LCD DISPLAY

1. Weather forecast icons
2. Clock signal reception indicator
3. Time / temperature display
4. Outdoor sensor communication indicator
5. Low battery indicator
6. Time zone offset display

BACK VIEW

1. Ventilation hole
2. Adaptor socket

BOTTOM VIEW

1. ▲ / ▼: Increase / decrease setting; activate / deactivate clock reception signal
2. **RESET**: Reset unit to default settings
3. **AUTO ON / OFF**: Select auto toggle mode
4. **CLOCK**: Set time and display mode
5. **°C / °F**: Select temperature unit and display mode
6. Battery compartment

REMOTE SENSOR

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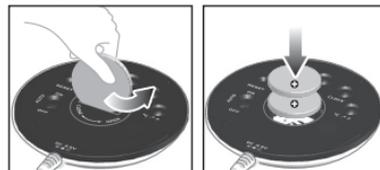4. **RESET** hole
5. **CHANNEL** switch

GETTING STARTED

POWER SUPPLY

Batteries serve as back up power supply for the clock.

For continuous use of LCD backlight, always plug in the adapter socket. Make sure the socket outlet is easily accessible to the unit.

To insert batteries:

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

[battery icon] indicates main unit batteries are low.

REMOTE SENSOR

The main unit can be connected to only 1 remote sensor.

To set up the outside sensor:
1. Open the battery compartment.
2. Select a channel then press **RESET**.
3. Close the battery door.
4. Place the outside sensor within 30 m (98 ft) of the main unit using the table stand or wall mount.
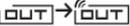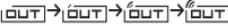
TIP The transmission range may vary depending on many factors. You may need to experiment with various locations to get the best results.

3

EN

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

SENSOR DATA TRANSMISSION

The main unit will automatically search for the outdoor sensor. The sensor reception icon in the remote sensor area shows the status:

ICON	DESCRIPTION
OUT → OUT	Main unit is searching for sensor.
OUT → OUT → OUT → OUT	A channel has been found.
OUT	Sensor data received.
OUT and "--.-"	The sensor cannot be found.

NOTE If the sensor is not found, check the batteries, obstructions and remote sensor location.

For best results:
• Place the sensor out of direct sunlight and rain.
• Position the sensor facing the main unit, minimizing obstructions.
• Place the sensor in a location away from metallic or electronic objects.
• Position the sensor close to the main unit during cold winter months.

CLOCK

CLOCK RECEPTION

This product is designed to synchronize its clock automatically with a clock signal.
BAR210:
• EU: DCF-77 signal: within 1500 km (932 miles) of Frankfurt, Germany.
BAR210U:
• UK: MSF-60 signal: within 1500 km (932 miles) of Anthorn, England.
BAR210A:
• 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.

Clock signal reception indicator:

STRONG SIGNAL	WEAK SIGNAL	NO SIGNAL
🌀	◡	◡

SET CLOCK

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

1. Press and hold **CLOCK**.

4

2. Press ▲ or ▼ to change the settings.
3. Press **CLOCK** to confirm.
4. The settings order is: time zone offset, 12/24 hr format, hour and minute.

BAR210 / BAR210U: 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 offset.

BAR210A: Select the time zone: (P) Pacific, (E) Eastern, (C) Central or (M) Mountain.

CHANGE DISPLAY

• To change to auto toggle mode (clock > outdoor temperature > indoor temperature), slide **AUTO ON / OFF** to ON.

• To manually toggle between time and temperature displays, press **CLOCK** or wave your hand at least 3 inches or less from the motion sensor located on the top of the main unit.

NOTE Auto toggle mode and motion sensor will be disabled if a button is pressed, but will be enabled again if no button is pressed for 5 seconds.

NOTE The installed CDS light sensor inside the unit will activate automatic LCD dimming.

WEATHER FORECAST

This product forecasts the next 12 to 24 hours of weather.

ICON	☀	☁	☔
COLOR	Red	Green	Blue
MEANING	Sunny	Cloudy	Rainy

TEMPERATURE

To display temperature mode or select temperature unit:
Press **°C / °F**.

NOTE Please keep the temperature sensor (adjacent to the adaptor socket) away from electrical devices as heat from these devices will affect accurate indoor temperature readings.

5

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 hole 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.
- 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.

SPECIFICATIONS

TYPE	DESCRIPTION
MAIN UNIT	
L x W x H	70 x 80 x 206 mm (2.76 x 2.76 x 8.11 in)
Weight	235 g (8.3 oz) without battery
Indoor Temperature range	-5°C to 50°C (23°F to 122°F)
Outdoor Temperature range	-30°C to 50°C (-22°F to 122°F)
Resolution	0.1°C (0.2°F)
Signal frequency	433 MHz
Power	2 x CR2032 batteries AC / DC adapter
REMOTE UNIT (THN132N)	
L x W x H	92 x 60 x 20 mm (3.6 x 2.4 x 0.8 in)
Weight	62 g (2.22 ounces)
Transmission range	30 m (98 ft) unobstructed
Temperature range	-40°C to 60°C (-40°F to 140°F)
Power	1 x UM-4 (AAA) 1.5 V batteries

ABOUT OREGON SCIENTIFIC

Visit our website (www.oregonscientific.com) to learn more about Oregon Scientific products. If you're in the US and would like to contact our Customer Care department directly, please visit: www2.oregonscientific.com/service/support
OR
Call 1-800-853-8883.

For international inquiries, please visit: www2.oregonscientific.com/about/international

EU-DECLARATION OF CONFORMITY

Hereby, Oregon Scientific, declares that this Weather Light (model: BAR210 / BAR210U / BAR210A) 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.

C E

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 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.

7

- 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: 19861 SW 95th Ave.,Tualatin,
                   Oregon 97062 USA
Telephone No.:   1-800-853-8883

declare that the product

Product No.:   BAR210 / BAR210U / BAR210A
Product Name: Weather Light
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.

8