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**Smart Weather Station  
With auto-rotating screen  
Model: BAR610P / BAR610PA /  
BAR610PU  
USER MANUAL**

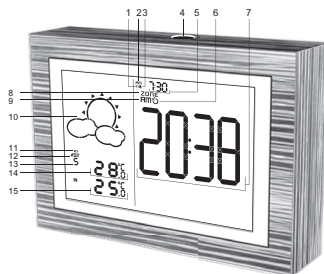
**Reset.....6**  
**Specifications .....7**  
**Precautions .....7**  
**About Oregon Scientific .....8**  
**EU-Declaration of conformity.....8**  
**FCC Statement.....8**

**CONTENTS**

**Overview.....2**  
 Front view .....2  
 Back view.....2  
 Remote sensor .....3  
**Getting started .....3**  
 Main unit installation .....3  
 Remote sensor installation .....3  
**Clock.....4**  
 Clock reception .....4  
 Manually set clock .....5  
**Alarm .....5**  
**Weather forecast .....6**  
**Temperature .....6**  
**Projection .....6**  
**Auto-rotating screen .....6**  
**Backlight .....6**

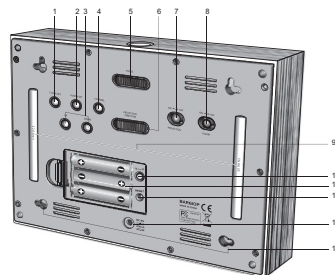
## OVERVIEW

## FRONT VIEW



1. : Main unit batteries low / no battery
2. **AM / PM**: 12 hour clock
3. : Indicate daily alarm is On
4. Projector: Project time / outdoor temperature
5. Alarm time
6. : Radio controlled clock reception icon
7. Clock
8. Time zone offset
9. **AM / PM**: 12 hour clock
10. Weather forecast
11. : Outdoor remote sensor battery low
12. : Indicate outdoor sensor reception status
13. Indicate outdoor channel selected
14. Outdoor temperature
15. Indoor temperature

## BACK VIEW



1. **CLOCK SET**: Set clock
2. **ALARM SET**: View alarm status / set alarm (only when ALARM ON-OFF is switched to ON)
3. **UP / DOWN**: Decrease / increase value of the setting; enable / disable clock reception; initiate sensor search
4. **CHANNEL**: Toggle display of 5 outdoor channel's temperature recording; activate / deactivate auto-toggle display of temperature from 5 different outdoor channels
5. **FOCUS Wheel**: Adjust projection focus
6. **PROJECTION DIRECTION Wheel**: Adjust projection direction
7. **PROJECTION ON - OFF**: Turn projection On / Off
8. **ALARM ON - OFF**: Activate / deactivate alarm function
9. **SNOOZE**: Activate snooze alarm; turn on backlight;



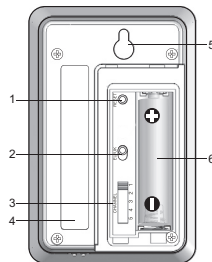
- flip projected image 180°
10. °C / °F: Select temperature unit
  11. Battery compartment
  12. **RESET**: Reset unit to default settings
  13. AC/DC Adaptor socket
  14. Wall mount holes

## REMOTE SENSOR

FRONT VIEW



BACK VIEW



1. **RESET**: Reset unit to default settings
2. **EU / UK Switch** (RTHN318D sensor only)
3. **Channel Switch**
4. Double sided adhesive tape
5. Wall mount hole
6. Battery compartment

## GETTING STARTED

### MAIN UNIT INSTALLATION

For continuous use of projector, install adapter.

- Plug AC/DC adaptor into socket. Make sure the adapter is not obstructed and is easily accessible to the unit.

To completely disconnect from power, the adapter should be disconnected from the main unit.

**NOTE** The main unit and adapter should not be exposed to wet conditions. No objects filled with liquid, such as vases, should be placed on the main unit and adapter.

#### Insert batteries:

1. Remove the battery compartment cover.
2. Insert the batteries, matching the polarities.





**NOTE** Batteries should not be exposed to excessive heat such as sunshine or fire.

### REMOTE SENSOR INSTALLATION

1. Slide open the battery door.
2. Slide channel switch to channel 1.
3. Select **EU/UK**. (RTHN318D only)
4. Insert the battery, matching the polarities (+ / -).
5. Press **RESET** after each battery change.
6. Close the battery door.
7. Press and hold **UP** and **DOWN** on main unit

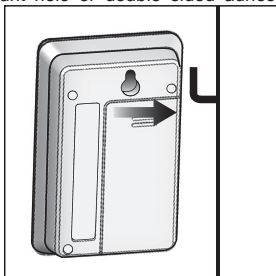
to initiate search and start receiving time and temperature data from the sensor.

**The sensor reception icon shows the status:**

ICONS	MEANING
OUT →  OUT	Main unit is searching for sensor(s)
OUT →  OUT →  OUT →  OUT	A sensor channel has been found and logged on
OUT	No sensor found

**NOTE** After every sensor initialisation, the main unit may take up to 30 minutes to receive the time from the sensor.

- Secure the sensor in the desired location using the wall mount hole or double sided adhesive tape.



#### For best results:

- Place the sensor within 30 m (100 ft) of the main unit.
- Place the sensor out of direct sunlight and moisture.
- Position the sensor so that it faces the main unit, minimizing obstructions such as doors, walls and furniture.
- Place the sensor in a location with a clear view to the sky, away from metallic / electronic objects.
- Position the sensor close to the main unit during cold winter months as below-freezing temperatures may affect battery performance and signal transmission.

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

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

## CLOCK

### CLOCK RECEPTION

This product is designed to synchronize its clock automatically with a clock signal received from provided remote sensor.

#### To enable / disable signal reception:


Press and hold **UP** to enable or **DOWN** 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 / NO SIGNAL

**NOTE** Clock reception is dependent on the successful transmission of data from remote sensor. If  is displayed, press **RESET** on sensor and press **UP** and **DOWN** together on the main unit and ensure sensor **ROUT** has been successfully logged.

### MANUALLY SET CLOCK

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

1. Press and hold **CLOCK SET**.
2. Press **UP / DOWN** to change the settings.
3. Press **CLOCK SET** to confirm.

The settings order is: time zone, 12/24 hr format, hour, minute.

**BAR610P / BAR610PU:** Time zone offset sets the clock +/- 23 hours from the received clock signal time.

**NOTE** If you enter + 1 in the time offset setting, this will give you your local time plus one hour. If you are in the

US (BAR610PA only) set the clock to:

0 for Pacific time            +1 for Mountain time  
+2 for Central time        +3 for Eastern time

### ALARM

#### To set the alarm:

1. Slide **ALARM ON-OFF** switch to ON.
2. Press and hold **ALARM SET**.
3. Press **UP / DOWN** to change the settings.
4. Press **ALARM SET** to confirm.

 indicates alarm is on.

#### To activate / deactivate alarm:





- Slide **ALARM ON-OFF** switch to ON / OFF.

#### To silence the alarm:

- Press **SNOOZE** to silence it for 8 minutes
- OR
- Press any key to turn the alarm off and activate it again after 24 hours.

## WEATHER FORECAST

This product forecasts the next 12 to 24 hours of weather within a 30-50 km (19-31 mile) radius with a 75% accuracy.

	Sunny
	Partially Cloudy
	Cloudy
	Rainy

## TEMPERATURE

**To toggle temperature unit:**

- Press °C / °F.

## PROJECTION

This unit projects time and outdoor temperature information for your convenience.

**For continuous projection:**

- Slide **PROJECTION** switch to ON when adaptor is connected, to enable / disable.

**To project time and temperature:**

- Press **SNOOZE** when PROJECTION switch is in OFF mode.

**To deactivate projection:**

- Slide **PROJECTION** switch to OFF mode.

**To rotate image:**

- Turn **PROJECTION DIRECTION** wheel.

**To flip projected image by 180°:**

- Press **SNOOZE** twice.

**To focus image:**

- Turn **FOCUS** wheel.

**NOTE** If projection is illuminated, do not look directly into the projector.

## AUTO-ROTATING SCREEN

This special feature gives the user the choice of placing the unit horizontally or vertically (3 dimensional options) to suit user's living environment and accommodate individual style.

## BACKLIGHT

**To activate backlight:**

- Press **SNOOZE**.

## RESET

Press **RESET** to return to the default settings.

**SPECIFICATIONS****MAIN UNIT**

TYPE	DESCRIPTION
L x W x H	194 x 136 x 49 mm (7.71 x 5.35 x 1.93 in)
Weight	670g (23.63 oz) without battery
Power	6V AC adaptor 3 x UM-4 (AAA) 1.5V batteries

**REMOTE RF CLOCK THERMO SENSOR**

TYPE	DESCRIPTION
L x W x H	64 x 25 x 98 mm (2.52 x 0.98 x 3.86 in)
Weight	80 g (2.8 oz) without battery
Temperature range	-20°C to 60°C (-4°F to 140°F)
Resolution	0.1°C (0.2°F)
Signal frequency	433 MHz
Transmission range	30 m (98 ft) unobstructed
No. of channels	5
Power	1 x UM-3 (AA) 1.5 V batteries

**PRECAUTIONS**

- Where there is excess electrostatic discharge, the unit may reset itself to default settings. User will be required to set the unit again.
- 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.

## ABOUT OREGON SCIENTIFIC

Visit our website ([www.oregonscientific.com](http://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.asp](http://www2.oregonscientific.com/service/support.asp)

For international inquiries, please visit:

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## EU-DECLARATION OF CONFORMITY

Hereby, Oregon Scientific, declares that this Smart Weather Station With auto-rotating screen (Model: BAR610P / BAR610PA / BAR610PU) 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 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





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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.

Manufacturer:  
Address:

With auto-rotating screen  
IDT Technology Limited  
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.

### 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](http://www2.oregonscientific.com/service) for all enquiries.

#### We

Name: Oregon Scientific, Inc.  
 Address: 19861 SW 95<sup>th</sup> Ave., Tualatin,  
 Oregon 97062 USA  
 Telephone No.: 1-800-853-8883

#### declare that the product

Product No.: BAR610P / BAR610PA /  
 BAR610PU  
 Product Name: Smart Weather Station

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