



Color Changing Weather Clock with Outdoor Temperature Model: **BAR668 / BAR668A**

USER MANUAL

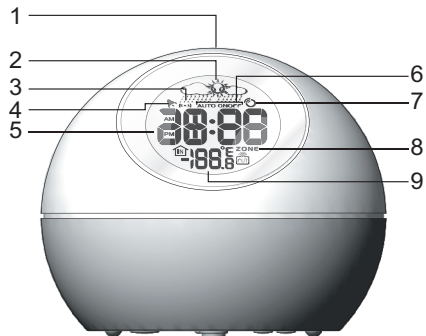
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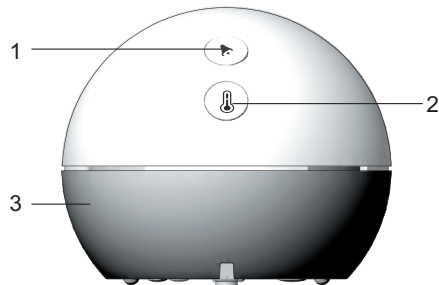
OVERVIEW

FRONT VIEW / LCD DISPLAY

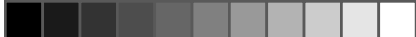


1. **SNOOZE / LIGHT:** Activate snooze / backlight
2. Weather display
3. Alarm mode
4. Alarm activated
5. Time / alarm
6. **AUTO:** The light is set to turn ON / OFF at a preset time; **ON / OFF:** ON / OFF time being set
7. Clock signal reception
8. Time zone offset
9. Indoor / Outdoor temperature area (°C / °F)

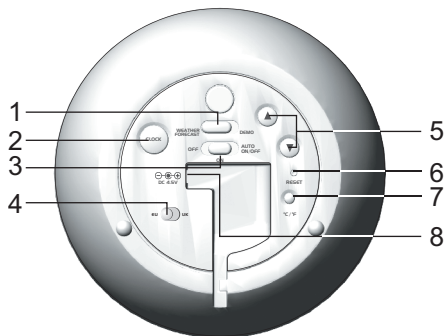
BACK VIEW



1. : Display and set alarm time; activate / deactivate alarm
2. : Press to toggle between indoor and outdoor temperature
3. Light box

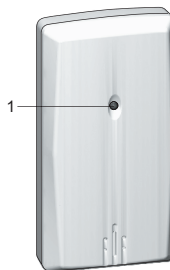


BOTTOM VIEW

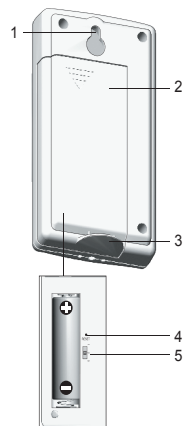


1. **WEATHER FORECAST / DEMO:** Select weather forecast or rainbow light box display
2. **CLOCK:** Display and set time
3. **ON, OFF, AUTO ON / OFF:** Turn light box ON / OFF continuously or at a preset time
4. **EU / UK:** Select clock signal (BAR668 only)
5. **▼ / ▲:** Increase / decrease a setting
6. **RESET:** Reset the unit
7. **°C / °F:** Select temperature unit
8. AC adapter

REMOTE SENSOR (THN132N)



1. LED indicator

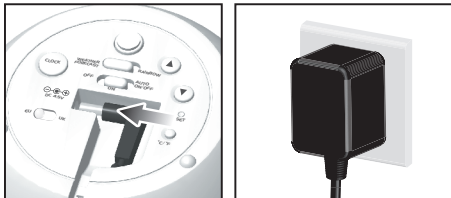


1. Wall mount
2. Battery door
3. Table stand
4. **RESET**
5. **CHANNEL** switch

GETTING STARTED

POWER

Insert the 4.5V adapter as shown:



REMOTE SENSOR

The sensor collects temperature readings approx. every 40 seconds and sends them to the main unit.

To set up the sensor:

1. Slide open the battery door.
2. Insert the batteries, matching the polarity (+ / -). Press **RESET** after each battery change.
3. Select a channel. Make sure you use a different channel for each sensor.
4. Close the battery compartment.
5. Secure the sensor in the desired location using the wall mount or table stand.

For best results:

- Place the sensor out of direct sunlight and moisture.
- Do not place the sensor more than 30 m (100 ft) from the main (indoor) unit.
- Position the sensor so that it faces the main (indoor) 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 or 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.

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

Standard Alkaline batteries contain significant amounts of water. Because of this they will freeze in low temperatures of approximately -12°C (10°F). Disposable Lithium batteries have a much lower threshold for temperature with an estimated freezing range of below -30°C (-22°F).

Wireless ranges can be impacted by a variety of factors such as extremely cold temperatures. Extreme cold may temporarily reduce the effective range between the sensor and the base station. If the unit's performance fails due to low temperature, the unit will resume proper functioning as the temperature rises to within the normal temperature range (i.e. no permanent damage will occur to the unit due to low temperatures).

SENSOR DATA TRANSMISSION

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

ICON	DESCRIPTION
	Main unit is searching for the sensor(s)
	A channel has been found and sensor signal is being received
and "- . -" (Outdoor temperature area)	The sensor cannot be found. Search for the sensor or check batteries

To search for a sensor:

Press and hold for 2 seconds.

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

CLOCK

CLOCK RECEPTION

This product is designed to synchronize its calendar and clock automatically once it is brought within range of a radio signal:

BAR668:

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 Anthon, England.

BAR668A:

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

Manually set clock to select time zone (Pacific, Mountain, Central or Eastern).

NOTE Reception takes 2-10 minutes. If the signal is weak, it can take up to 24 hours to get a valid signal.

CLOCK RECEPTION SIGNAL

STRONG	WEAK	NO SIGNAL
		

To enable clock signal reception:

Press and hold ▲ for two seconds.

To disable clock signal reception:

Press and hold ▼ for two seconds.

SET CLOCK




1. Press and hold **CLOCK** to enter clock setting mode. The setting will blink.
2. Use ▲ / ▼ to change the setting.
3. Press **CLOCK** to confirm and move onto the next setting. The setting sequence is: time zone offset, 12 / 24 hour format, hour, minute, preset light box time ON, preset light box time OFF.

BAR668: The time zone offset can be used to set the clock up to + / - 23 hours from the received clock signal time.

BAR668A: Time zone offset can be set to the US time zone: (P) Pacific (-8), (M) Mountain (-7), (C) Central (-6) or (E) Eastern (-5) .



ALARM

To set the alarm:


1. Press  to switch to alarm display. ((••)) appears when you are in the alarm display.
2. Press and hold  to enter alarm setting mode. The setting will blink.
3. Use ▲ / ▼ to change the setting.
4. Press  to confirm and move onto the next setting.

NOTE When the alarm sounds the light box will flash quickly. When **SNOOZE / LIGHT** is pressed it will flash slowly.

To activate or deactivate the alarm:












Press  when in the alarm display.  appears on the LCD display when the alarm is activated.

To silence the alarm:

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

WEATHER FORECAST

The animated display forecasts the weather for the next 12 to 24 hours within a 19-31 mile (30-50 km) radius.

SUNNY			
PARTLY CLOUDY			
CLOUDY			
RAINY			

TEMPERATURE

To select temperature unit:

Press °C / °F.

To toggle between indoor and outdoor temperature:

Press .

LIGHT BOX

The light box has 2 different types of display:

- Weather forecast: the color changes according to the different weather forecast.
- DEMO: the color gradually changes (rainbow display).

SUNNY	PARTLY CLOUDY	CLOUDY	RAINY
Red	Pink	Green	Blue

Simply slide the **WEATHER FORECAST / DEMO** switch to your preferred setting.

To activate / deactivate the light box weather forecast or rainbow display, slide the **ON, OFF, AUTO ON / OFF** switch to one of the following options:

- **ON** – The light box is turned on.
- **OFF** – The light box is turned off.
- **AUTO ON / OFF** – The light box turns on and off at a preset time. (To set this option, see the Clock section)

BACKLIGHT

Press **SNOOZE / LIGHT** to activate the backlight for 5 seconds.

RESET

To return the unit to the default settings, press **RESET**.

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.
- 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	
Temperature unit	°C / °F
Indoor temperature	-5°C to 50°C (23°F to 122°F)
Resolution	0.1°C (0.2°F)
Weather display	Rainy, cloudy, partly cloudy, sunny
Clock	Radio Controlled
Clock display format	12 or 24 hour format
Clock display	HH:MM
Alarm duration	2 minutes
Snooze	8 minutes
Power	4.5V adapter

REMOTE UNIT

L x W x H	96 x 50 x 22 mm (3.8 x 2.0 x 0.9 in)
Weight	62 g (2.22 oz) without battery
Transmission range	30 m (100 ft) unobstructed
Temperature range	-20°C to 60°C (-4°F to 140°F)
Power	1 x UM-3 (AA) 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 Color Changing Weather Clock with Outdoor Temperature Model: BAR668 / BAR668A 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.

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.
- 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
 Fax No.: 1-503-684-3332

declare that the product


Product No.: BAR668 / BAR668A
 Product Name: Color Changing Weather Clock
 with Outdoor Temperature
 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.



COUNTRIES RTTE APPROVED COMPLIED
 All EU countries, Switzerland 
 and Norway 