Thank you for selecting this Oregon Scientific™ Wireless Weather Forecaster with Temperature Display and Self - Setting Atomic Clock (BAR686A). This clock is supplied with a remote sensor (THN122N) and can support up to 3 sensors in total (additional sensors sold separately).

**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.

### Clock Overview

#### Front View

1. **SNOOZE**
2. **RESET**
3. **ALARM**
4. **CHANNEL**
5. **MEM**
6. **Max / Min icon**
7. **Temperature / humidity icon**
8. **Temperature trend icon**
9. **Sensor reception icon**
10. **Clock icon**
11. **Atomic Clock icon**
12. **Outdoor temperature icon**
13. **Indoor temperature icon**
14. **Main unit battery low icon**
15. **Indoor temperature trend icon**
16. **Main unit sensor icon**
17. **Max / Min icon**
18. **Main unit sensor icon**
19. **Alarm mode**
20. **Moon Phase**
21. **Day and Month display**

#### Remote Sensor (THN122N)

1. **ICONS**
   - **LED status indicator:** Blinks red during data transmission
   - **Ventilation duct**
   - **Wall mount hole**
   - **CHANNEL hole**
   - **Battery switch**

#### Getting Started

**Setting up the clock**

Insert batteries before first use, matching the polarity (+ and -). **RESET** after each battery change.

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.

### Clock

**Clock signal reception indicator:**

- **Strong signal**
- **Weak signal**
- **No signal**

To enable and force a signal search:

Press and hold **MODE** for 2 seconds.

To disable the signal reception:

Press and hold **F** for 2 seconds.

### Alarm

**To set the alarm:**

1. Press and hold **ALARM** for 2 seconds.
2. Press **F** to set hour / minute.
3. Press **ALARM** or **MODE** to confirm. **F** indicates alarm is ON.

**To toggle alarms ON / OFF:**

1. Press **ALARM** to display alarm time.
2. Press **ALARM** again to turn alarm ON / OFF.

**To silence the alarm:**

- Press **SNOOZE** to silence it for 8 minutes.
- Press any key except **SNOOZE** 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 based on barometric pressure trend readings.

**ICON**

- **Clear**
- **Partially Cloudy**
- **Cloudy**
- **Rainy**

To search for a sensor:

Simultaneously press **CHANNEL** and **MEM** on the main unit to initiate signal sending between the sensor and main unit.

**If the sensor is not found, check the batteries, obstructions, and remote unit location.**
TEMPERATURE
To toggle temperature unit:
Press °C / °F.
To view outdoor sensors temperature readings:
Press CHANNEL.
To auto-scan between sensors:
Press and hold CHANNEL or MEM for 2 seconds. Each sensor’s data is displayed for 3 seconds.
To end auto-scan:
Press CHANNEL or MEM.
To toggle between current, minimum and maximum records for the selected sensor:
Press MEM repeatedly.
To clear the records:
Press and hold MEM for 2 seconds.

TEMPERATURE AND PRESSURE TREND
The temperature and pressure trend icons are based on recent sensor readings.

RISING           STEADY           FALLING

ICE WARNING
If the channel 1 sensor falls between 3°C to −2°C (37°F to 28°F), it flashes to warn you that the temperature is approaching freezing.

NOTE: The warning will automatically stop if the temperature goes outside the ice-warning range.

HI/LO TEMPERATURE ALARM
An alert can be set to sound if the sensor set to channel 1 records above or below a temperature of your choice.

To set alarm ON/OFF:
1. Press and hold TEMP HI / LO for 2 seconds. Press TEMP HI / LO to confirm.
2. Use ▲ and ▼ to select hi or lo temperature alarm. Press TEMP HI / LO to confirm.
3. Press ▲ or ▼ to set alarm ON / OFF and press TEMP HI / LO to confirm.
4. If an alarm has been activated, use ▲ and ▼ to select the temperature.
5. Press TEMP HI / LO to confirm.

To silence the hi / lo temperature alarm:
Press any key. The alarm resets automatically and will resound if the hi / lo temperature selected is recorded again.

MOON PHASE
• When calendar is set press ▲ or ▼ to view the moon phase for the next/previous day.
• Press and hold ▲ or ▼ to scan through the years (2001 to 2099).

NEW MOON     WAXING CRESCENT     FIRST QUARTER
WAXING GIBBOS     FULL MOON     WAXING GIBBOS
LAST QUARTER     WAXING CRESCENT

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

PRECAUTIONS
This product is engineered to give you years of satisfactory service if you handle it carefully. Here are a few precautions:
• Do not subject the unit to excessive force, shock, dust, temperature or humidity, which may result in malfunction, shorter electronic life span, damaged battery and distorted parts.
• 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. Doing so will invalidate the warranty on the unit and may cause unnecessary damage. The unit contains no user-serviceable parts.
• Only use fresh batteries as specified in the user’s instructions. Do not mix new and old batteries.
• Due to printing limitations, the displays shown in this manual may differ from the actual display.
• The contents of this manual may not be reproduced without the permission of the manufacturer.

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 | 77 x 126 x 102 mm (3.1 x 5 x 4.16 in)
Weight   | 183 g (6.46 oz) without batteries
Temperature unit | °C / °F
Temperature range | -5°C to 50°C (23°F to 122°F)
Resolution | 0.1°C (0.2°F)
Clock frequency | WWVB-60 (US)
Synchronization | Auto or disabled
Signal frequency | 433 MHz
Clock | Auto or manual (disabled)
Humidity range | 25% - 95%
Humidity resolution | 1%
Memory | Min / Max relative humidity and temperature
Alarm duration | 2 minutes
Snooze | 8 minutes
Clock display | HH/MM/SS
HH/MM: Day of Week
Hour format | 12/24 hour format
Calendar | MM / DD or DD / MM language selectable: E, F, D, I and S
Power | 3 x UM-3 (AA) 1.5 V batteries
REMOTE UNIT|
L x W x H | 92 x 60 x 20 mm (3.6 x 2.4 x 0.8 in)
Weight | 82 g (2.22 ounces) without battery
Transmission range | 30 ft (100 ft) unobstructed
Temperature Range | 39°F to 140°F (2°C to 60°C)
Power | 2 x UM-4 (AAA) 1.5 V batteries

NOTE: We recommend that you use alkaline batteries with this product for longer usage and lithium batteries in temperatures below freezing.

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We hope you will find all the information you need on our website, however if you’re in the US and would like to contact the Oregon Scientific Customer Care department directly, please visit www2.oregonscientific.com/service/default.asp.

OR
Call 1-800-853-8883.

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

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

declare that the product
Product No.: BAR686A
Product Name: Wireless Weather Forecaster with Temperature Display and Self-Setting Atomic Clock
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.

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