Thank you for selecting the Oregon Scientific INTRODUCTION Alarm (BARM699A). The main unit can support up to 3 sensors. To purchase additional sensors, please contact your local retailer.

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.

OVERVIEW

1. SLEEP / SNOOZE: Activate snooze; set the sleep timer
2. RADIO ON / OFF: Turn radio ON / OFF
3. STATION: Toggle between 16 preset radio channels; save a channel
4. VOLUME: Increase / decrease volume
5. CLOCK: Change setting / display
6. AM / FM: Toggle between AM and FM
7. TUNING / SET: Increase / decrease
8. Remote Outdoor temperature area

REMOTE SENSOR

1. LED status indicator: Blinks red during data transmission
2. Ventilation duct
3. Wall mount
4. Battery compartment
5. Battery door
6. Table stand
7. CHANNEL switch

GETTING STARTED

Plug adapter into main unit.

NOTE: This product may malfunction when radio interference appears on the AC power line. The unit will revert to normal operation when interference stops.

NOTE: Install the remote sensor battery and plug in the main unit. Press RESET after each battery change. Do not use rechargeable batteries. It is recommended that you use alkaline batteries with this product for longer performance.

NOTE: When the battery is low, the display will show 85 percent accuracy.

UNIT LOCATION
1. Indoor temperature area
2. Outdoor temperature area

REMOTE SENSOR

The sensor collects temperature readings approx. every 40 seconds and sends them to the main unit. The main unit can collect data from up to 3 sensors.

To set up the sensor:
1. Slide the battery door open.
2. Insert the battery, matching the polarity (+ / -).
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 meters (100 feet) 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 unit. 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).

NOTE: The alarm functions only if the battery is installed correctly.

SENSOR DATA TRANSMISSION

The reception icon shown in the outdoor temperature area shows the status.

ICON DESCRIPTION
1. Main unit is searching for a channel
2. A channel has been found and signal is being received
3. The sensor cannot be found. Search for the sensor or check the battery

To search for a sensor:
Simultaneously, press and hold MEM and CHANNEL for 2 seconds.

NOTE: The sensor LED flashes when data is being sent to the main unit. If the sensor signal is still not found, check the battery, obstructions, and remote unit.

LIGHT TOUCH KEY

The touch keys used in this product have a key lock function that prevents accidental changes to user settings. When the clock keys have not been used in the last minute, the key lock function is automatically activated. Press any key once to disable the key lock function and then operate the clock as usual.

CLOCK RECEPTION

To change the temperature measurement unit:
Press °C / °F on the bottom of the unit.

To view outdoor sensor(s) temperature readings:
Press CHANNEL.
- °F shows which remote sensor’s data you are viewing.
- °C is permanently displayed in the indoor temperature area.

To auto-scan between sensors:
Press and hold CHANNEL or MEMORY for 2 seconds. Each sensor’s data is displayed for 3 seconds.

To end auto-scan:
Press CHANNEL or MEMORY.

To toggle between current, minimum and maximum records for the selected sensor:
Press MEMORY repeatedly.

To clear the records:
Select the channel to clear the memory, then press and hold MEMORY for 2 seconds.

Touch-Control AM/FM Atomic Weather Clock with Dual Alarm
Model: BARM699A

USER MANUAL

INTRODUCTION

Thank you for selecting the Oregon Scientific Touch-Control AM/FM Atomic Weather Clock with Dual Alarm (BARM699A). The main unit can support up to 3 sensors. To purchase additional sensors, please contact your local retailer.

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.

OVERVIEW

1. SLEEP / SNOOZE: Activate snooze; set the sleep timer
2. RADIO ON / OFF: Turn radio ON / OFF
3. STATION: Toggle between 16 preset radio channels; save a channel
4. VOLUME: Increase / decrease volume
5. CLOCK: Change setting / display
6. AM / FM: Toggle between AM and FM
7. TUNING / SET: Increase / decrease
8. Remote Outdoor temperature area

REMOTE SENSOR

1. LED status indicator: Blinks red during data transmission
2. Ventilation duct
3. Wall mount
4. Battery compartment
5. Battery door
6. Table stand
7. CHANNEL switch

GETTING STARTED

Plug adapter into main unit.

NOTE: This product may malfunction when radio interference appears on the AC power line. The unit will revert to normal operation when interference stops.

NOTE: Install the remote sensor battery and plug in the main unit. Press RESET after each battery change. Do not use rechargeable batteries. It is recommended that you use alkaline batteries with this product for longer performance.

NOTE: When the battery is low, the display will show 85 percent accuracy.

UNIT LOCATION
1. Indoor temperature area
2. Outdoor temperature area

REMOTE SENSOR

The sensor collects temperature readings approx. every 40 seconds and sends them to the main unit. The main unit can collect data from up to 3 sensors.

To set up the sensor:
1. Slide the battery door open.
2. Insert the battery, matching the polarity (+ / -).
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 meters (100 feet) 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 unit. 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).

NOTE: The alarm functions only if the battery is installed correctly.

SENSOR DATA TRANSMISSION

The reception icon shown in the outdoor temperature area shows the status.

ICON DESCRIPTION
1. Main unit is searching for a channel
2. A channel has been found and signal is being received
3. The sensor cannot be found. Search for the sensor or check the battery

To search for a sensor:
Simultaneously, press and hold MEM and CHANNEL for 2 seconds.

NOTE: The sensor LED flashes when data is being sent to the main unit. If the sensor signal is still not found, check the battery, obstructions, and remote unit.

LIGHT TOUCH KEY

The touch keys used in this product have a key lock function that prevents accidental changes to user settings. When the clock keys have not been used in the last minute, the key lock function is automatically activated. Press any key once to disable the key lock function and then operate the clock as usual.

CLOCK RECEPTION

To change the temperature measurement unit:
Press °C / °F on the bottom of the unit.

To view outdoor sensor(s) temperature readings:
Press CHANNEL.
- °F shows which remote sensor’s data you are viewing.
- °C is permanently displayed in the indoor temperature area.

To auto-scan between sensors:
Press and hold CHANNEL or MEMORY for 2 seconds. Each sensor’s data is displayed for 3 seconds.

To end auto-scan:
Press CHANNEL or MEMORY.

To toggle between current, minimum and maximum records for the selected sensor:
Press MEMORY repeatedly.

To clear the records:
Select the channel to clear the memory, then press and hold MEMORY for 2 seconds.
NOTE The indoor memory record will be cleared simultaneously.

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

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

RADIO
You can save up to 16 radio stations (8 for AM and 8 for FM).

To turn the radio ON / OFF: Press RADIO.

To save a station:
1. Press RADIO to turn the radio ON.
2. Press AM / FM to select radio frequency.
3. Press TUNNING / SET ▲ / ▼ to manually fine tune the frequency or press and hold TUNNING / SET ▲ / ▼ to activate auto-search.
4. Press and hold STATION to save the station.

SLEEP TIMER
To turn the sleep timer ON:
1. Press SLEEP once to activate the last setting used.
2. Press SLEEP to set radio sleep timer duration (120, 90, 60, 30, 15 or 0 minutes). Select “0” to disable the sleep timer.
3. Press VOLUME ▲ / ▼ to change the volume.

NOTE “SLEEP” flashes when the sleep timer is activated.

BACKLIGHT
Press any key to activate the backlight for 1 minute.

RESET
Press RESET to return the main unit to the default settings. Remove and then re-insert the batteries to reset the sensor.

PRECAUTIONS
This product is engineered to give you years of satisfactory service if you handle it carefully. Here are a few precautions:

• Do not use a damp cloth to clean the surface of the light touch key. If it is necessary to use a damp cloth to clean the unit, turn the power off before cleaning.
• Placement of this product on wood surfaces with certain types of finishes, such as clear varnish, may result in damage to the finish. Consult the furniture manufacturer’s care instructions for direction as to the types of wood surface. Oregon Scientific shall not be responsible for any damage to wood surfaces from contact with this product.
• 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 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 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.
• Do not use rechargeable batteries.
• Remove batteries when storing the product for a long time.
• Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.
• 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

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main unit</td>
<td></td>
</tr>
<tr>
<td>Dimensions (L x W x D)</td>
<td>183 x 85.4 x 98 mm (6.4 x 2.6 x 3.8 inches)</td>
</tr>
<tr>
<td>Weight</td>
<td>300g (10.6 ounces)</td>
</tr>
<tr>
<td>Temperature unit</td>
<td>-17°C (0.2°F)</td>
</tr>
<tr>
<td>Indoor range</td>
<td>-5°C to 50°C (23°C to 122°F)</td>
</tr>
<tr>
<td>Outdoor range</td>
<td>-30°C to 60°C (-22°F to 140°F)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Radio clock</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Synchronization</td>
<td>Auto or disabled</td>
</tr>
<tr>
<td>Clock display</td>
<td>H/F/M/L</td>
</tr>
<tr>
<td>Hour format</td>
<td>12h AM/PM or 24hr</td>
</tr>
<tr>
<td>Calendar</td>
<td>DD/MM or MM/DD</td>
</tr>
<tr>
<td>Weekday in 5 languages</td>
<td>(E, G, F, T, S)</td>
</tr>
<tr>
<td>Alarm</td>
<td>2-minute beep or radio alarm with 6-minute snooze</td>
</tr>
<tr>
<td>PLL Radio</td>
<td>AM / FM, MHz / kHz, 16 preset channels</td>
</tr>
<tr>
<td>Sleep</td>
<td>120, 90, 60, 30 and 0 mins</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Remote unit (THM132M)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (L x W x D)</td>
<td>92 x 22 x 50 mm (3.6 x 0.9 x 2 inches)</td>
</tr>
<tr>
<td>Weight</td>
<td>44g (1.5oz) without battery</td>
</tr>
<tr>
<td>RF frequency</td>
<td>433MHz</td>
</tr>
<tr>
<td>Range</td>
<td>Up to 30 meters (100 feet) with no obstructions</td>
</tr>
<tr>
<td>Transmission</td>
<td>Approx. every 40 seconds</td>
</tr>
<tr>
<td>Channel no.</td>
<td>1, 2 or 3</td>
</tr>
<tr>
<td>Power</td>
<td></td>
</tr>
<tr>
<td>Main unit</td>
<td>6V adapter</td>
</tr>
<tr>
<td>Remote unit</td>
<td>1 x UM-3 (AA) 1.5V battery</td>
</tr>
</tbody>
</table>

NOTE: We recommend that you use alkaline batteries in the sensor for longer usage and lithium batteries for use in temperatures below freezing.

ABOUT OREGON SCIENTIFIC
Visit our website (www.oregonscientific.com) to learn more about Oregon Scientific products such as digital cameras; MP3 players; children’s electronic learning products and games; projection clocks; health and fitness gear; weather stations; and digital and conference phones.

The website also includes contact information for our Customer Care department in case you need to reach us, as well as frequently asked questions and customer downloads. 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.: BARM699A
Product Name: Wireless Thermometer with Self-Setting Clock and FM Radio
Manufacturer: IOT 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.