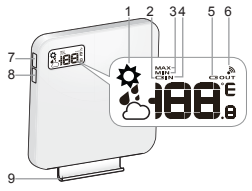
Oregon SCIENTIFIC

Weatherboard
Model: MB108
User Manual

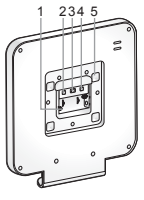
OVERVIEW

FRONT VIEW



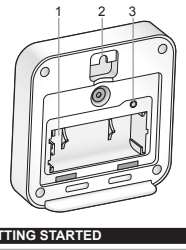
1. Weather forecast
2. : main unit batteries low
3. Maximum or minimum temperature is displayed
4. Indoor temperature is displayed
5. : remote sensor batteries low
6. OUT : remote sensor reception indicator
7. **IN / OUT TEMP**: toggle between current / indoor / outdoor temperature
8. **MIN / MAX**: view minimum and maximum indoor / outdoor temperature
9. Whiteboard marker tray

BACK VIEW



1. Battery compartment
2. **SENSOR**: initiate search for sensor
3. **°C / °F**: select temperature unit
4. **RESET**: reset unit to default settings
5. Wall mount hole

SENSOR



1. Battery compartment
2. Wall mount hole
3. **RESET**: return to default settings

GETTING STARTED

MAIN UNIT INSTALLATION

Insert batteries:
1. Remove the battery compartment cover.
2. Insert batteries, matching the polarities (+/-).

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

REMOTE SENSOR INSTALLATION

1. Using Philips screwdriver, open battery compartment door.
2. Insert batteries, matching the polarities (+/-).
3. Replace screw and close the battery door.

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

The sensor reception icon shows the status:

ICONS	MEANING
OUT → OUT → OUT → OUT	Main unit is searching for sensor(s)
OUT	No sensor found

After every sensor initialization, the main unit may take up to 4 minutes to receive the data from the sensor.

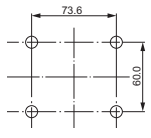
If search fails, initiate another search by pressing **RESET** on the sensor and **SENSOR** on the main unit

POSITIONING PRODUCT

MAIN UNIT

Mounting with screws:
1. Find a suitable location to mount the unit.
2. Using a pencil, mark where the screws should be using below dimensions as a guide.

Horizontal	2.9 in (73.6 mm)
Vertical	2.4 in (60 mm)



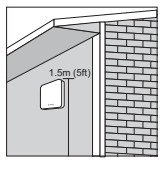
3. Place wall mount bracket onto wall in desired position making sure the arrow ▲ is pointing up,
4. Take out screws from packaging. Using Philips screwdriver, screw wall mount bracket onto wall.
5. Hang Weatherboard on the wall mount bracket hooks.

Mounting with sticker:
Recommended for flat surfaces made of glass or metal. Do not mount on wood surfaces or those with paint finishing.
1. Wipe the wall surface and the wall mount bracket where the sticker will be.
2. Peel away adhesive paper from one side of the sticker, being careful not to let the glue stick to anything.
3. Position sticker on wall mount bracket and press down firmly for about 20-30 seconds.
4. Peel away the other adhesive paper. Position wall mount bracket in desired location making sure the arrow ▲ is pointing up. Press firmly for about 20-30 seconds.
5. Hang Weatherboard on the wall mount bracket hooks.

SENSOR

Secure the sensor in the desired location using the wall mount hole or stand.

TIP Ideal placements for the sensor would be in any location on the exterior of the home at a height of not more than 1.5 m (5 ft) and which can shield it from direct sunlight or wet conditions for an accurate reading.



For best results:
- Place the sensor within 40 m (131 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.

TEMPERATURE

To toggle temperature unit:
- Slide **°C / °F** switch to select.

To toggle between indoor / outdoor temperature display:
- Press **IN / OUT TEMP**.

To view minimum and maximum temperature records:
- Press **MIN / MAX** repeatedly.

WEATHER FORECAST

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

Sunny Cloudy Rainy

CLEANING THE WEATHERBOARD

IMPORTANT Only use whiteboard markers. NEVER use permanent markers on the Weatherboard.

To keep the Weatherboard in top condition, use a whiteboard eraser to wipe away ink immediately after use.

RESET

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

TROUBLESHOOTING

DISPLAY	AREA	PROBLEM
LL.L	Temperature	Reading is below range
HH.H	Temperature	Reading is above range

SPECIFICATIONS

MAIN UNIT

TYPE	DESCRIPTION
L x W x H	8 x 0.9 x 9 in (203 x 23 x 228 mm)
Weight	243g (oz) without battery and wall mount bracket
Temperature range	-5°C to 50°C (23°F to 122°F)
Signal frequency	433 MHz
Power	2 x UM-4 (AAA) 1.5 V batteries (not included)

SENSOR

TYPE	DESCRIPTION
L x W x H	3 x 1 x 3 in (75 x 25.6 x 76 mm)
Weight	53.7g without battery
Temperature range	-20°C to 60°C (-4°F to 140°F)
Transmission range	40 m (131 ft) unobstructed
Power	2 x UM-4 (AAA) 1.5 V batteries (not included)

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 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) 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: https//:us.oregonscientific.com/service/support.asp
For international inquiries, please visit: https://us.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 visit our website at www2.oregonscientific.com/service for all enquiries.

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.: MB108
Product Name: Weatherboard
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, and 2) This device must accept any interference received, including interference that may cause undesired operation.