

AMIR B09JBHDPH6

AMIR Indoor/Outdoor Thermometer with 3 Wireless Sensors User Manual

Model: B09JBHDPH6

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your AMIR Indoor/Outdoor Thermometer with 3 Wireless Sensors. This device is designed to monitor temperature and humidity in up to four different locations simultaneously, offering clear readings on a large LCD display.

2. SAFETY INFORMATION

- Do not disassemble the product. Unauthorized modifications may void the warranty and cause damage.
- If the display becomes blurry, replace the batteries promptly.
- Avoid placing the product in hot, humid, dusty, or corrosive gas environments to prevent damage to electronic components.
- Ensure proper battery polarity when inserting batteries.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x AMIR Indoor/Outdoor Thermometer Main Unit
- 3 x Wireless Thermometer-Hygrometer Transmitters
- 1 x User Manual
- 1 x Apple Data Cable (for main unit power)

4. SETUP

4.1 Powering the Main Unit

The main unit can be powered in two ways:

- **Battery Power:** Insert 3 AA batteries (not included) into the battery compartment on the back of the main unit.
- **Cable Power:** Plug the included Apple data cable into the main unit's charging port and connect it to a USB power source.

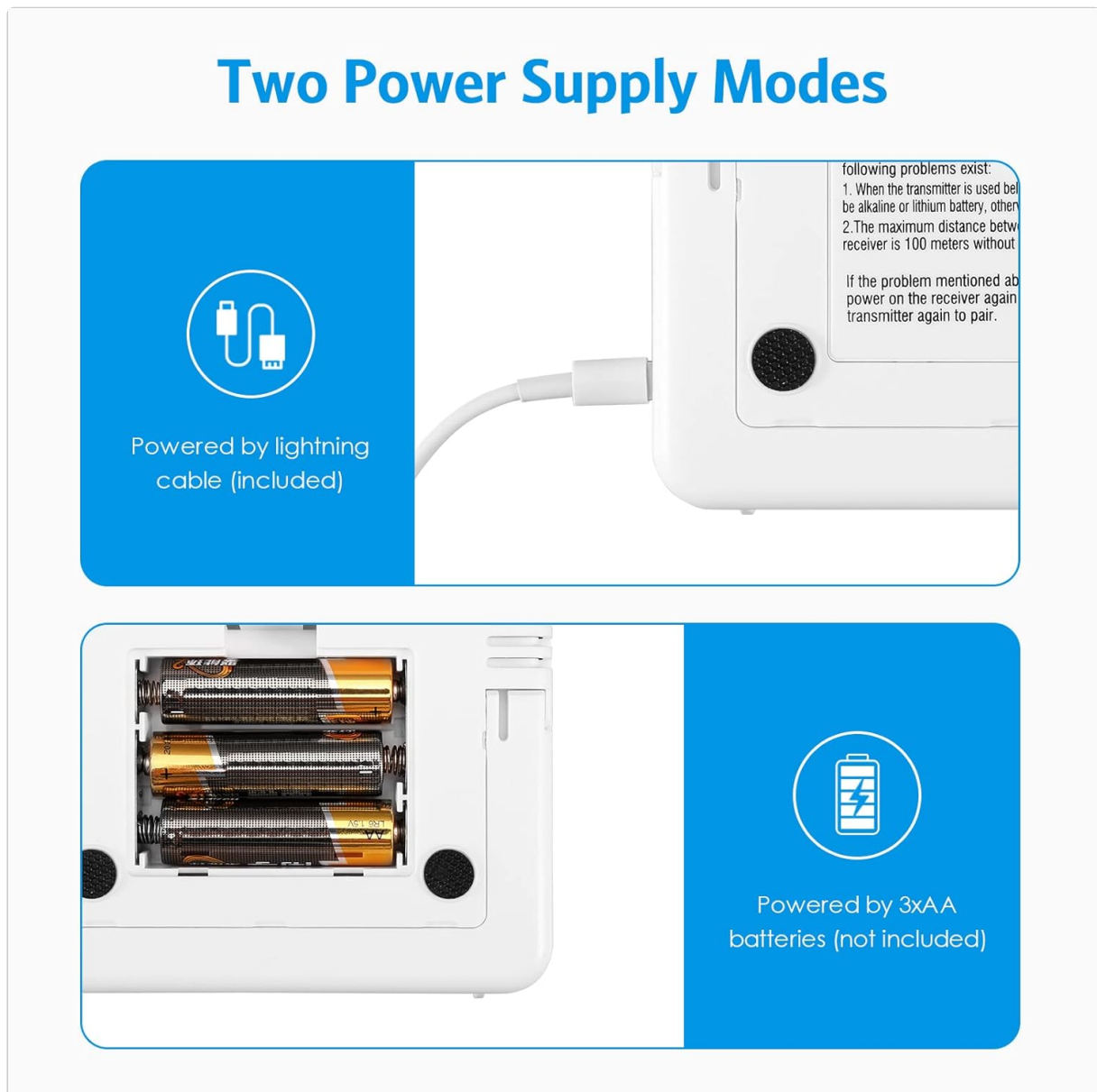


Figure 1: Main unit power supply options (battery and cable).

4.2 Setting Up Wireless Sensors

The three wireless transmitters are identical. To differentiate them and ensure proper connection:

1. On the back cover of each transmitter, locate the channel dial and set it to 1, 2, or 3 for each respective sensor.
2. Insert 2 AAA batteries (not included) into each transmitter. The indicator light on the transmitter will flash red, signaling it is attempting to connect.
3. The main unit will automatically connect to the transmitters. If a sensor does not connect immediately, it will attempt to reconnect in approximately 60-second cycles. To expedite the connection, remove and reinsert the batteries in the transmitter and wait for the red light to flash.

Track Temp & Humidity for 4 Place

Max distance: 328ft/100m



Figure 2: Main unit and three wireless sensors for multi-location monitoring.

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Video 1: Overview of the AMIR Indoor Outdoor Thermometer, demonstrating its features and setup process.

5. OPERATING INSTRUCTIONS

5.1 Large LCD Display and Backlight

The main unit features a 4.6-inch large LCD display for clear and simple readings. To activate the backlight, press the 'LIGHT' button on the right side of the unit. The backlight has one level when battery-powered and two levels when cable-powered.

4.6in Large Backlit LCD Screen

Easy to read even in the dark

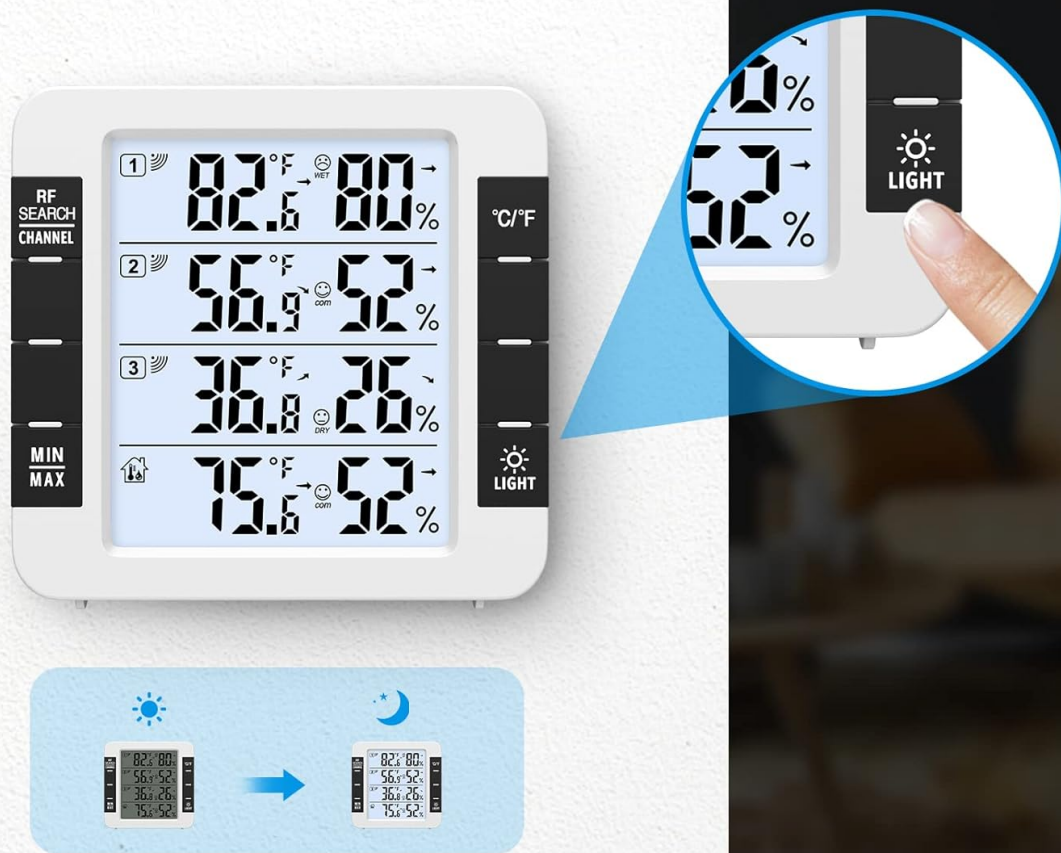


Figure 3: Activating the LCD backlight for improved visibility.

5.2 Temperature Unit Selection (°C/°F)

To switch between Celsius (°C) and Fahrenheit (°F), press the '°C/°F' button located on the right side of the main unit.

5.3 MAX/MIN Record

The thermo-hygrometer records the maximum and minimum temperature and humidity values over the past 24 hours. Press the 'MIN/MAX' button on the left side of the unit to cycle through current, maximum, and minimum readings.

5.4 Air Comfort Indicator

The display includes an air comfort indicator to quickly assess indoor conditions:

- **DRY:** Humidity < 40%
- **COM (Comfort):** 40% < Humidity < 70%
- **WET:** Humidity > 70%



Figure 4: Air Comfort Indicator for quick environmental assessment.

5.5 Low Battery Reminder

The unit will display a low battery icon when the main unit's battery voltage drops below 3.6V or the transmitters' battery voltage drops below 2.7V. Replace batteries promptly to ensure continuous operation.



Figure 5: Low battery reminder on the main unit and transmitters.

6. MOUNTING OPTIONS

Both the main unit and the wireless transmitters offer flexible mounting options:

6.1 Main Unit Mounting

- **Upright:** Use the integrated stand to place the unit on a tabletop or desk.

- **Wall Mount:** Utilize the hanging hole on the back to mount it on a wall.
- **Magnetic Back:** The unit has a magnetic back for attachment to metallic surfaces like refrigerators.

6.2 Transmitter Mounting

- **Upright:** Place the transmitter on a flat surface.
- **Wall Mount:** Use the hanging hole for wall mounting.
- **Lanyard/Suction Cup:** The transmitter comes with a lanyard and suction cup for versatile placement, such as hanging or attaching to glass.



Figure 6: Multiple mounting options for the main unit and wireless sensors.

7. MAINTENANCE

7.1 Battery Replacement

Replace batteries in the main unit (3 AA) and transmitters (2 AAA each) when the low battery indicator appears on the display. Always use new batteries and ensure correct polarity.

7.2 Cleaning

Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or immerse the unit in water.

7.3 Environmental Considerations

To prolong the life and accuracy of your device, avoid exposing it to:

- Direct sunlight or extreme heat sources.
- High humidity or direct water exposure.
- Excessive dust or corrosive gases.

8. TROUBLESHOOTING

8.1 Sensor Not Connecting

- Ensure batteries are correctly inserted and have sufficient charge in both the main unit and the sensor.
- Verify that the sensor's channel dial is set to a unique number (1, 2, or 3).
- Move the sensor closer to the main unit to check if it's a range issue. The maximum range is 100m/328ft in open air, but obstacles like walls can reduce this.
- Remove and reinsert the batteries in the problematic sensor to force a reconnection attempt.

8.2 Blurring Display

A blurring display typically indicates low battery power. Replace the batteries in the main unit.

8.3 Inaccurate Readings

- Ensure sensors are not placed in direct sunlight or near heat/cold sources, which can skew readings.
- Allow the main unit and sensors to stabilize in their respective environments for at least 30 minutes after setup for accurate readings.
- Compare readings with another known accurate thermometer/hygrometer if possible.

9. SPECIFICATIONS

Feature	Specification
Indoor Temperature Range	-20°C to 70°C (0°F to 60°C in some specifications)
Outdoor Temperature Range	-50°C to 70°C
Humidity Range	10% to 99%
Temperature Accuracy	±1°C (±2°F)
Humidity Accuracy	±5%
Wireless Transmission Frequency	433MHz
Wireless Transmission Distance	Up to 100m (328ft) in open air
Main Unit Power	3 x AA batteries (not included) or Apple data cable (included)
Transmitter Power	2 x AAA batteries (not included) per sensor
Main Unit Dimensions	11.8 x 11.2 x 2.5 cm (approx. 4.65"W x 4.41"H)
Transmitter Dimensions	8.3 x 5 x 2 cm

10. WARRANTY AND SUPPORT

AMIR products are designed for reliability and performance. For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official AMIR website. Keep your purchase receipt as proof of purchase for warranty claims.