Irfora B0D3LGQ3RT

Irfora Wi-Fi Smart Thermostat User Manual

Model: B0D3LGQ3RT

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Irfora Wi-Fi Smart Thermostat. This device is designed to provide precise temperature control for electric floor heating systems in various environments such as homes, schools, offices, and hotels. Please read this manual thoroughly before installation and use to ensure proper function and safety.

Figure 1: Front view of the Irfora Wi-Fi Smart Thermostat, displaying the LCD screen with current temperature, set temperature, time, and Wi-Fi indicator.

2. SAFETY INFORMATION

Important: Installation of this thermostat should only be performed by a qualified professional electrician. Incorrect installation can lead to electrical shock, fire, or damage to the device. Always disconnect power at the circuit breaker before beginning any installation or maintenance work.

- Ensure the power supply matches the thermostat's specifications (AC110-220V, 50/60Hz).
- Do not expose the thermostat to water or excessive humidity (IP20 waterproof level).
- Keep the device away from flammable materials.
- Do not attempt to repair or modify the thermostat yourself. Contact qualified personnel for service.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Irfora Wi-Fi Smart Thermostat
- 1 x 3-meter Sensor Cable (for external floor temperature sensing)
- 2 x Mounting Screws
- 1 x User Manual (English)

4. PRODUCT OVERVIEW

The Irfora Wi-Fi Smart Thermostat features a large LCD touch screen display with backlight for easy readability. It integrates both an internal sensor for room temperature and an external sensor for floor temperature, ensuring accurate control. The touch keys provide intuitive control over various functions.
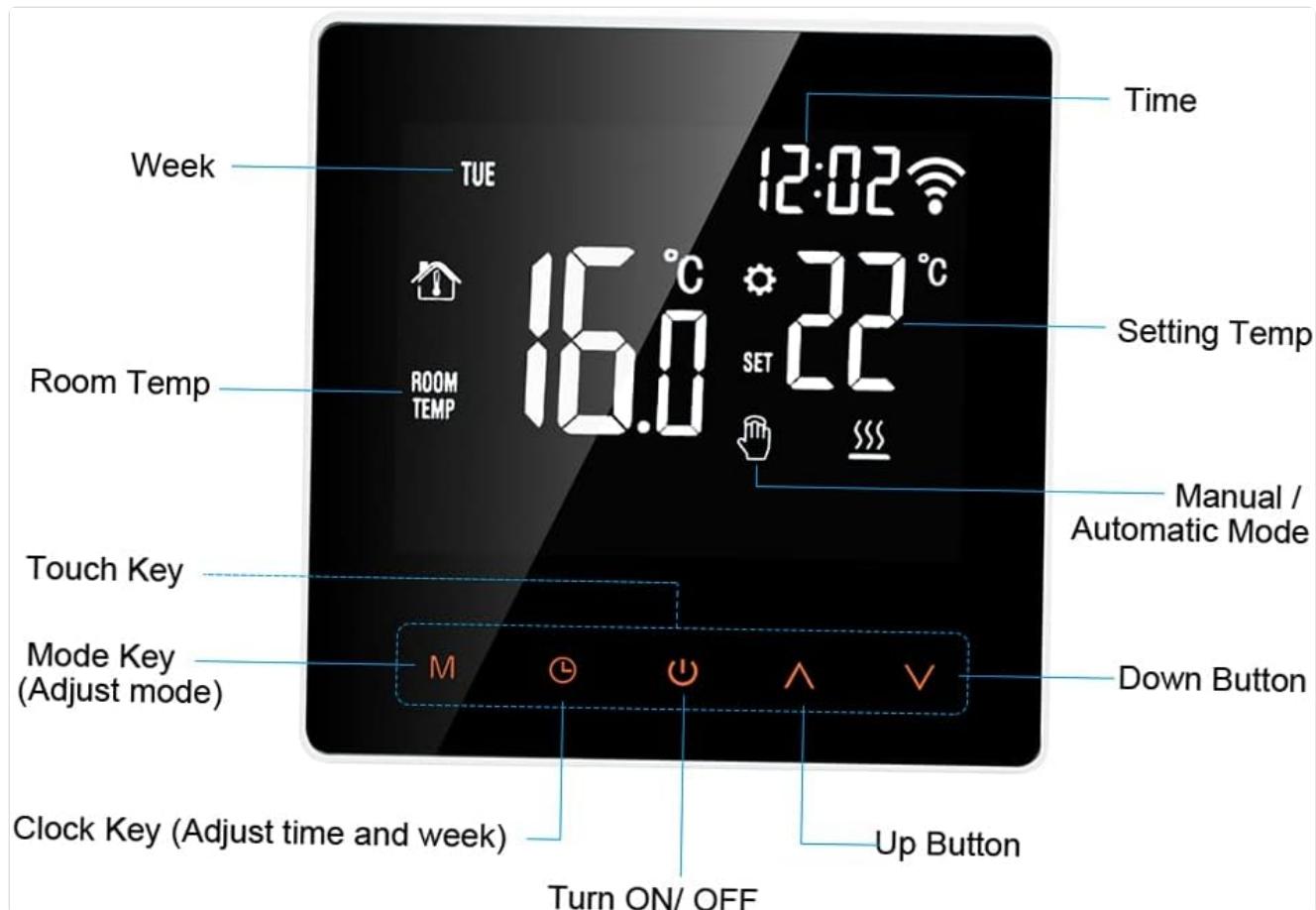
Figure 2: Labeled diagram of the thermostat's display and touch keys, indicating Time, Week, Room Temp, Setting Temp, Touch Key, Mode Key, Clock Key, Turn ON/OFF, Up Button, and Down Button.

4.1. Key Functions

- **Mode Key (M):** Switches between manual and automatic modes.
- **Clock Key (Time Icon):** Adjusts time and week settings.
- **Power Key (Circle with Line):** Turns the thermostat ON or OFF.

- **Up Button (Triangle Up):** Increases temperature setting or navigates menu options.
- **Down Button (Triangle Down):** Decreases temperature setting or navigates menu options.

5. INSTALLATION

As previously stated, installation should be carried out by a professional electrician. The thermostat is designed for standard wall box installation with a 60mm installation distance.

5.1. Physical Dimensions
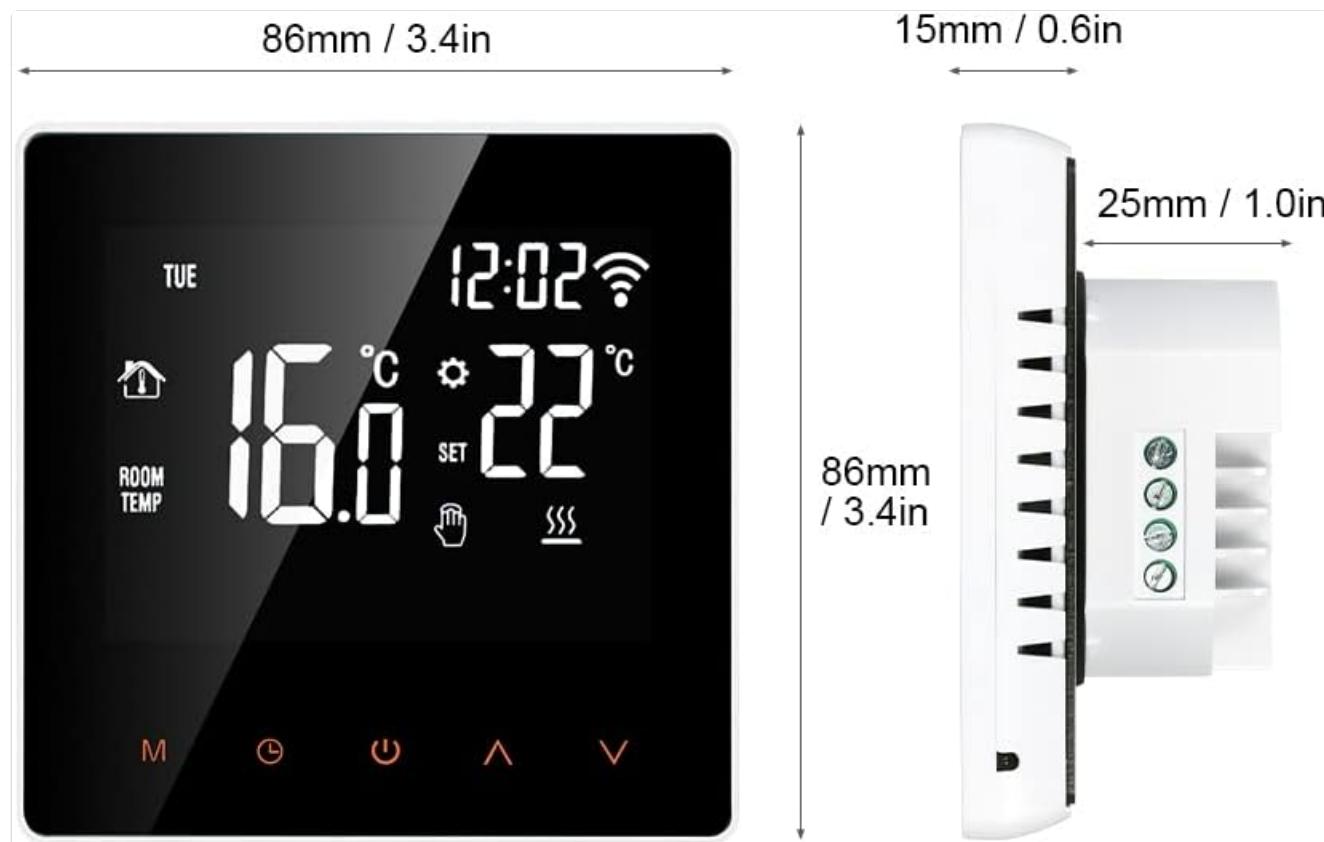
Figure 3: Dimensions of the thermostat, showing 86mm (3.4in) width and height, and 40mm (1.6in) depth, with a 15mm (0.6in) front panel thickness and 25mm (1.0in) embedded depth.

5.2. Wiring Diagram

Refer to the wiring diagram provided with the product packaging or consult a professional electrician for correct wiring. Ensure all connections are secure and comply with local electrical codes.

Figure 4: Internal view of the thermostat's wiring terminals, showing connections for power input and heating element output.

6. INITIAL SETUP

6.1. Power On

After successful installation and wiring, restore power at the circuit breaker. The thermostat display will light up.

6.2. Setting Time and Day

1. Press the **Clock Key** to enter time setting mode.
2. Use the **Up** and **Down** buttons to adjust the hour, then press the **Clock Key** again to confirm and move to minutes.
3. Repeat for minutes and then for the day of the week.
4. The thermostat will automatically save settings after a few seconds of inactivity or by pressing the **Power Key**.

7. OPERATING THE THERMOSTAT

7.1. Manual Mode

In manual mode, the thermostat maintains a constant temperature set by the user.

1. Press the **Mode Key (M)** until 'Manual' or a similar indicator is displayed.
2. Use the **Up** and **Down** buttons to adjust the desired temperature. The display will show the set temperature.

7.2. Automatic (Programmable) Mode

The thermostat supports weekly programming with 6 time-modes daily, allowing for different temperature settings throughout the day and week.

1. Press the **Mode Key (M)** until 'Auto' or a similar indicator is displayed.

2. To program schedules, refer to the detailed programming instructions in the full user manual (if provided separately) or the APP interface. Generally, you will set start times and desired temperatures for each period of the day (e.g., morning, day, evening, night) for each day of the week.

7.3. Temperature Accuracy

The thermostat provides a temperature accuracy of 1°C with a display resolution of 0.1°C. It automatically obtains the ambient temperature from its internal sensor and the floor temperature from the external sensor.

8. APP CONTROL (WI-FI MODELS ONLY)

For Wi-Fi enabled models, you can control your thermostat remotely using a smartphone application. This allows you to adjust settings, view current temperatures, and manage schedules from anywhere.

Figure 5: The thermostat being controlled via a smartphone application, highlighting the convenience of remote access.

8.1. Downloading the APP

Search for the designated control APP (e.g., 'Smart Life' or 'Tuya Smart') in your device's app store (Google Play Store for Android, Apple App Store for iOS).

8.2. Connecting to Wi-Fi

1. Ensure your thermostat is powered on.

2. Follow the instructions within the APP to add a new device. This typically involves putting the thermostat into pairing

mode (often by holding a specific button combination until a Wi-Fi icon flashes) and connecting it to your home Wi-Fi network.

3. Once connected, you can control the thermostat through the APP.

9. MAINTENANCE

The Irfora Smart Thermostat requires minimal maintenance.

- **Cleaning:** Wipe the display and casing with a soft, dry cloth. Do not use abrasive cleaners, solvents, or chemical sprays, as these can damage the surface or internal components.
- **Avoid Obstructions:** Ensure that the thermostat's sensors are not covered or obstructed, as this can affect temperature readings.

10. TROUBLESHOOTING

If you encounter issues with your thermostat, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Thermostat does not power on.	No power supply; incorrect wiring; circuit breaker tripped.	Check circuit breaker; verify wiring connections (consult professional); ensure power is restored.
Incorrect temperature reading.	Sensor obstructed; sensor faulty; thermostat placed in drafty area.	Ensure sensors are clear; reposition thermostat if necessary; contact support if sensor is suspected faulty.
Wi-Fi connection issues.	Incorrect Wi-Fi password; weak signal; router issues; thermostat not in pairing mode.	Verify Wi-Fi password; move thermostat closer to router; restart router; re-enter pairing mode and try connecting again.
Heating system not responding.	Incorrect wiring; heating system fault; thermostat not calling for heat.	Verify wiring (consult professional); check heating system's power and function; ensure thermostat is set to a temperature above current room temperature.

If the problem persists after attempting these solutions, please contact customer support or a qualified electrician.

11. SPECIFICATIONS

Feature	Specification
Type	Wi-Fi (Optional: No Wi-Fi version also available)
LCD Display Color	White (Optional: Orange)
Shell Color	White

Feature	Specification
Shell Material	PC (Flame Retardant)
Power Supply	AC110-220V, 50/60Hz
Max. Current Load	16A
Power Consumption	<1W
Temperature Accuracy	1℃
Display Resolution	0.1℃
Temperature Setting Range	5-45℃
Sensors	Internal Sensor (room temperature) and External Sensor (high temperature conservation)
Installation Distance	60mm
Key Type	Touch Key
Waterproof Level	IP20
Item Size	86 x 86 x 40mm / 3.4 x 3.4 x 1.6in
Item Weight	179g / 6.3oz

12. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided at the time of purchase or contact your retailer/seller directly. Keep your purchase receipt as proof of purchase for any warranty claims.