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**Irfora 1685ec3d-88e3-441d-a62f-5cb4e752834b**

# Irfora Smart Tuya WiFi Thermostat User Manual

MODEL: B-1-T

## Introduction

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This manual provides comprehensive instructions for the installation, operation, and maintenance of your Irfora Smart Tuya WiFi Thermostat. Please read this manual thoroughly before installation and use to ensure proper function and safety. Keep this manual for future reference.

## Product Overview

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The Irfora Smart Tuya WiFi Thermostat is an advanced temperature control device designed for modern homes. It features a digital LCD touchscreen display, WiFi connectivity for remote control via a mobile application, and voice control compatibility with smart home assistants. This thermostat is suitable for both water heating and electric heating systems, offering precise temperature management and energy efficiency.



**Figure 1:** The Irfora Smart Tuya WiFi Thermostat shown alongside a smartphone displaying its control application. The thermostat features a clear digital display and touch controls, indicating its modern design and smart capabilities.

## Key Features

- **Programming Function:** This WiFi thermostat features a 5+2/6+1 programming function, allowing you to set up to 6 different temperature settings for each day of the week, plus an additional setting for the weekend. This provides comprehensive control over temperature settings for maximum comfort and energy efficiency.

# 5+2/6+1 Programmable

Key	Event	Symbol	Time	+ -	Default value	+ -	
8	Week day	01	☀️	06:00	Set time	20°C	Set temperature
		02	🏠	08:00		16°C	
		03	🏠	11:30		20°C	
		04	🏠	12:30		16°C	
		05	🏠	17:00		20°C	
		06	🌙	22:00		16°C	
	Weekend	01	☀️	08:00		20°C	
		02	🌙	23:00		16°C	



**Figure 2:** Illustration of the 5+2/6+1 programmable schedule, detailing daily and weekend temperature settings for optimal energy management.

- **Manual & Automatic Mode:** The thermostat supports both manual and automatic modes, enabling users to set the temperature to their desired level or follow a pre-programmed schedule. This flexibility helps in saving energy costs.

# Manual & Automatic Modes



**Figure 3:** The thermostat installed on a wall, highlighting its capability to operate in both manual and automatic modes for user convenience.

- **Smart Voice Control:** Compatible with Amazon Alexa and Google Home, allowing for convenient voice-activated temperature adjustments.

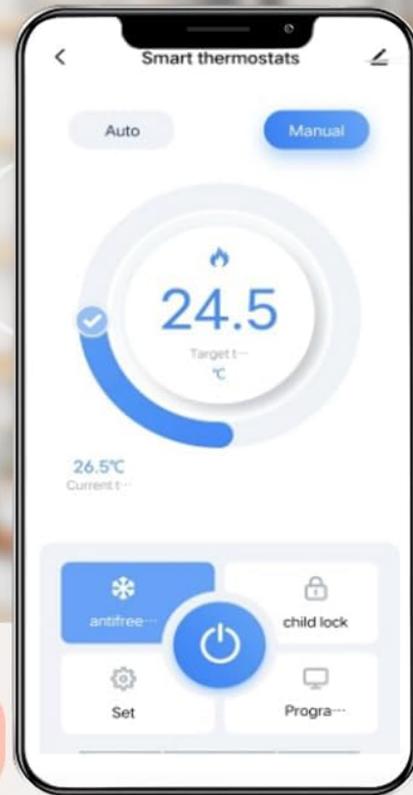
# Smart Voice Control



**Figure 4:** A user demonstrating smart voice control functionality with the thermostat, using popular voice assistants for hands-free operation.

- **Multi-Function LCD Display:** The clear LCD display facilitates easy temperature adjustments. It also includes a child lock function for safety and low-temperature protection. These intelligent digital thermostats are designed to control heating materials in electric heating systems or valves in water heating systems.

# Smart Remote Control



The mobile APP can share simple temperature control life with your family by creating product local groups

Figure 5: A detailed view of the thermostat's LCD display, illustrating its clear interface and various functional icons.

- **Embedded Installation:** Designed for seamless embedded installation, making it a suitable choice for both electric floor heating and water floor heating systems.



**Figure 6:** Dimensional diagram of the thermostat, providing measurements essential for proper embedded installation.

- **NTC Temperature Sensor:** Equipped with an NTC temperature sensor, ensuring accurate temperature readings and precise control within a wide range of 5-70°C.

## Specifications

Attribute	Value
Product Material	ABS
Product Size	86 x 86 x 40mm / 3.38 x 3.38 x 1.57in
Power Supply	AC 100-250V 50/60Hz
Max. Load (Water Heating)	3A/AC250V
Max. Load (Electric Heating)	16A/AC250V
Room Temperature Range	5 - 70°C

Attribute	Value
Temperature Display Accuracy	±0.5°C
Working Environment Temperature	0°C - 50°C
Storage Environment Temperature	-10°C - 60°C
WiFi Frequency	2.400-2.483GHz
WiFi Communication Protocol	IP/TCP, MQTT
Product Design Standard	GB14536.1-2011 IEC60730-1:2011, IEC60730-2-9:2011 EN15500:2011
Color	Black (B-1-T model)
Controller Type	Amazon Alexa
Special Feature	Programmable
Temperature Control Type	Programmable, Manual
Connectivity Technology	Wi-Fi
Included Components	Temperature Sensor
Power Source	Corded Electric
Voltage	250 Volts
Display Type	LCD
Control Type	Touch
Control Method	Voice
Mounting Type	Wall Mount
Backlight	Yes
Model Number	1685ec3d-88e3-441d-a62f-5cb4e752834b

## Setup and Installation

The Irfora Smart Tuya WiFi Thermostat is designed for embedded installation. Please follow these steps carefully:

- Safety First:** Ensure the main power supply to the heating system is turned off before beginning installation.
- Connect Wiring:** Connect the power box to the thermostat according to the wiring diagram provided in the product packaging. Ensure all connections are secure and correct for your specific heating system (water heating or electric heating).
- Remove Panel:** Gently push the panel display part of the thermostat upwards to detach and remove the front panel.
- Fix Mounting Plate:** Securely fix the thermostat's mounting plate to the standard 86-type wall box.

5. **Reattach Panel:** Align the panel buckle with the fixing plate and push the panel downwards until it clicks securely into place.
6. **Power On:** Once installation is complete, restore power to the heating system.



**Figure 7:** Examples of electric floor heating and water floor heating systems, illustrating the types of installations compatible with this thermostat.

## Operating Instructions

The thermostat offers multiple ways to control your home's temperature:

### Manual Control

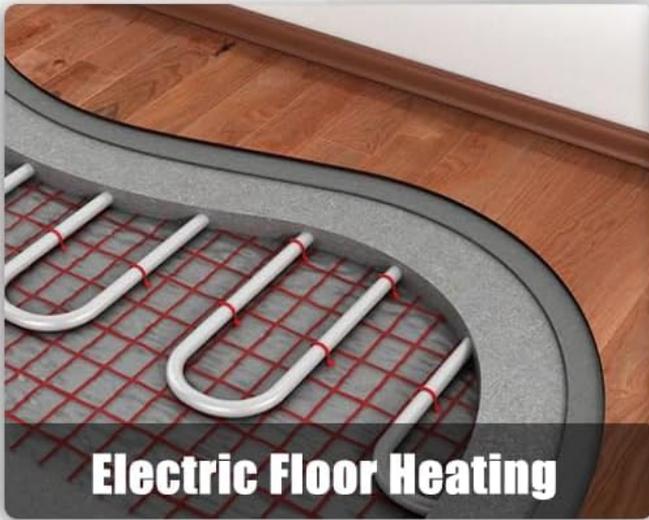
Directly adjust the temperature using the touch controls on the thermostat's LCD display. Press the '+' or '-' buttons to increase or decrease the desired temperature. The thermostat will maintain this set temperature until changed.

### Automatic (Programmable) Mode

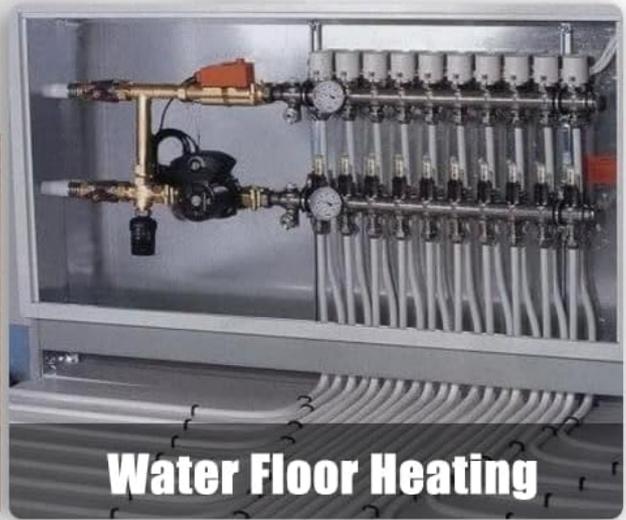
Utilize the 5+2/6+1 programming function to set a weekly schedule. This allows for different temperature settings throughout the day and week, optimizing comfort and energy usage. Refer to the programming section in the full manual (if available) or the device interface for detailed scheduling steps.

### Smart Remote Control via App

Download the Tuya Smart or Smart Life application from your smartphone's app store. Follow the in-app instructions to connect your thermostat to your home WiFi network. Once connected, you can remotely monitor and control your thermostat from anywhere. The app also allows for sharing device control with family members.



**Electric Floor Heating**



**Water Floor Heating**

# Share your devices with anyone and control devices together



**Figure 8:** The thermostat being controlled remotely via a smartphone app (left), and the feature allowing multiple users to share control of the device (right).

## Voice Control

Integrate your thermostat with Amazon Alexa or Google Home. Once linked, you can use voice commands to adjust the temperature, change modes, or inquire about the current room temperature. For example, "Alexa, set thermostat to 22 degrees" or "Hey Google, what's the temperature in the living room?"

## Maintenance

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To ensure optimal performance and longevity of your thermostat, follow these simple maintenance guidelines:

- **Cleaning:** Regularly wipe the thermostat's screen and body with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or chemical sprays, as these can damage the display or casing.
- **Dust Removal:** Ensure the vents (if any) are free from dust accumulation to prevent overheating and maintain accurate temperature readings.
- **Software Updates:** Periodically check the Tuya Smart/Smart Life app for any available firmware updates for your thermostat. Keeping the software updated ensures the best performance and access to new features.

## Troubleshooting

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If you encounter issues with your Irfora Smart Tuya WiFi Thermostat, please refer to the following common problems and solutions:

- **Thermostat not powering on:**
  - Check the main power supply to the heating system and ensure it is turned on.
  - Verify that the wiring connections are secure and correct according to the installation diagram.
- **Cannot connect to WiFi:**
  - Ensure your WiFi network is 2.4GHz. This thermostat does not support 5GHz networks.
  - Check that your WiFi router is within range and functioning correctly.
  - Restart your router and the thermostat, then attempt the connection process again via the app.
  - Verify that you have entered the correct WiFi password.
- **Temperature readings seem inaccurate:**
  - Ensure the thermostat is not exposed to direct sunlight, drafts, or heat sources (e.g., lamps, appliances) that could affect its internal temperature sensor.
  - Make sure the NTC temperature sensor is properly connected and positioned.
- **Voice control not working:**
  - Confirm that your thermostat is successfully linked to your Amazon Alexa or Google Home account via the respective smart home app.
  - Ensure your smart speaker/device is online and functioning.
  - Use the exact commands specified by the smart assistant for thermostat control.
- **Thermostat not responding to touch:**
  - Check if the child lock function is activated. Deactivate it if necessary.
  - Gently clean the screen to remove any dirt or debris that might interfere with touch sensitivity.

If the problem persists after trying these solutions, please contact customer support for further assistance.

## Warranty and Support

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For information regarding warranty coverage, returns, or technical support, please refer to the specific warranty card included with your product or visit the official Irfora product page on the retailer's website where you purchased the thermostat. Keep your purchase receipt as proof of purchase.

For general inquiries or troubleshooting not covered in this manual, you may also consult the FAQ section on the Irfora website or contact their customer service directly.