

TELLUR TSH01

TELLUR Smart Thermostat TSH01 User Manual

Model: TSH01

1. INTRODUCTION

The TELLUR Smart Thermostat TSH01 is designed to provide intelligent control over your home heating system. This manual provides detailed instructions for the installation, operation, and maintenance of your thermostat, ensuring optimal performance and energy efficiency.

2. PRODUCT COMPONENTS

The TELLUR Smart Thermostat TSH01 system includes the following components:

- One wireless central unit (thermostat display)
- One receiver unit
- One stand for the central unit
- Wall mounting plate for the central unit
- Two screws for installation



Image 2.1: The TELLUR Smart Thermostat TSH01 central unit, displaying current time, set temperature, and room temperature.



Image 2.2: Illustrative diagram showing the dimensions of the central unit and the receiver unit.

3. SETUP GUIDE

3.1. Physical Installation

The receiver unit connects directly to your heating system and requires a 220V power supply. It is designed for wall-mounting. The central unit is wireless and powered by 2 AAA batteries (not included). It can be placed on a desk using its included stand or mounted on a wall. Ensure the central unit is positioned in a location where it can accurately measure room temperature and maintain reliable wireless communication with the receiver.



Image 3.1: The central unit displayed with its desk stand, suitable for placement on a flat surface.

3.2. Connecting to Wi-Fi and App

The thermostat operates exclusively on **2.4 GHz Wi-Fi networks** (WPA/WPA2 encryption). If your router uses a different frequency, contact your internet service provider to enable 2.4 GHz.

1. Download the "Tellur Smart" app (also compatible with Tuya and SmartLife) from your smartphone's app store.
2. Follow the in-app instructions to pair your thermostat with your Wi-Fi network.
3. Ensure your smartphone has an active internet connection during the setup process.



Image 3.2: The central unit, receiver, and a smartphone displaying the control app, highlighting the wireless connectivity.



Image 3.3: Visual reminder that the thermostat is only compatible with 2.4GHz wireless networks.



Image 3.4: Scan this QR code to download the Tellur Smart app for iOS or Android devices. [Direct App Download Link](#)

4. OPERATING YOUR THERMOSTAT

4.1. Basic Operation Modes

The thermostat supports three primary operating modes:

- **AUTO:** The thermostat follows the programmed weekly schedule.
- **MANUAL:** Allows you to set a desired temperature that the thermostat will maintain until manually changed or switched to another mode.
- **ECO:** A one-touch setting for an energy-saving temperature, typically 18°C by default. This setting can be customized and activated via the app or voice commands.



Image 4.1: The central unit mounted on a wall in a living space, demonstrating its discreet design.

4.2. Weekly Programming

The 7-day programming function allows you to define up to 4 different programs per day, each with specific times and temperatures. This feature helps optimize heating based on your daily schedule, enhancing comfort and energy savings. All programming adjustments are made via the Tellur Smart app.

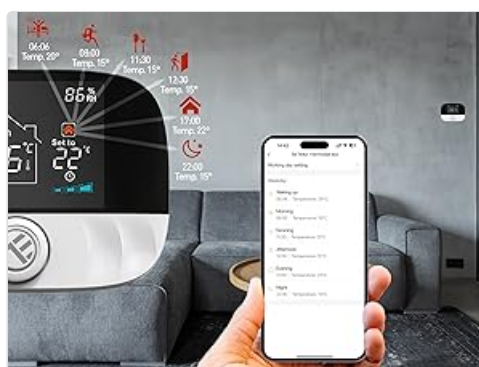


Image 4.2: An illustrative screenshot of the smartphone app interface for setting weekly heating schedules.

4.3. Smart Features

- **Remote and Voice Control:** Control your thermostat from anywhere using the Tellur Smart app. Integrate with Amazon Alexa, Google Assistant, and Siri shortcuts for convenient voice control.
- **Temperature Sensor Calibration:** Adjust the displayed temperature to match a professional precision thermometer, ensuring accurate room temperature readings.
- **Hysteresis:** This setting defines the temperature interval between the heating system turning off and on. It can be adjusted from 0°C to 3°C in 0.5°C increments. This parameter is configured in the central unit's internal settings, not through the app. Refer to the full user manual for detailed instructions.
- **Open Window Detection:** The system automatically pauses heating if it detects a sudden drop in room temperature (e.g., 2°C within 15 minutes by default), preventing energy waste.
- **Frost Protection:** This function maintains the ambient temperature above a set minimum (5°C by default) to prevent pipes from freezing, even when the heating system is otherwise off.
- **Child Lock:** Activates a lock on the central unit's physical buttons to prevent unintended changes to settings. This feature can be managed via the app.



Image 4.3: The receiver unit connected to a boiler, illustrating the Frost Protection feature managed via the app.



Image 4.4: The central unit display showing the child lock icon, with children playing in the background, indicating the feature's purpose.



Image 4.5: Examples of voice commands for Siri and Amazon Alexa to control the thermostat.

5. MAINTENANCE

- **Battery Replacement:** The central unit requires 2 AAA batteries. Replace them when the low battery indicator appears on the display to ensure continuous operation.
- **Cleaning:** Wipe the thermostat and receiver with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the device.

6. TROUBLESHOOTING

If you encounter issues with your TELLUR Smart Thermostat TSH01, refer to the following common solutions:

- **No Power to Central Unit:** Ensure batteries are correctly inserted and not depleted. Replace with fresh AAA batteries if necessary.
- **No Power to Receiver:** Verify the 220V power connection to the receiver unit. Check circuit breakers if needed.
- **Thermostat Not Connecting to Wi-Fi:**
 - Confirm your Wi-Fi network is 2.4 GHz and uses WPA/WPA2 encryption.
 - Ensure the thermostat is within range of your Wi-Fi router.
 - Restart your router and attempt the pairing process again.
- **Inaccurate Temperature Reading:** Use the temperature sensor calibration feature within the Tellur Smart app to adjust the displayed temperature.
- **Voice Control Issues:** Ensure the Tellur Smart skill or service is enabled and linked in your Amazon Alexa or Google Home app. For Siri, verify that shortcuts are properly configured.
- **Screen Scratches:** While not a functional issue, ensure careful handling during installation and daily use to prevent cosmetic damage to the display.







7. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	TELLUR
Model Number	TSH01 (TLL331151)
Color	White
Central Unit Dimensions (L x W x H)	13.5 x 8.8 x 2.2 cm
Item Weight	280 g
Connectivity Technology	Wi-Fi (2.4 GHz)
Controller Type	Google Assistant, Amazon Alexa, Siri
Power Source (Central Unit)	2 x AAA batteries (not included)
Included Components	1 receiver, 1 central unit, 1 stand, wall plate, 2 screws

8. WARRANTY AND CUSTOMER SUPPORT

For detailed warranty information, product registration, and customer support, please refer to the documentation included in your product packaging or visit the official TELLUR website. You can also contact TELLUR customer service directly for assistance with any product-related inquiries.

Related Documents - TSH01

	<p>Tellur TLL331151 WiFi Thermostat User Manual - Setup, Installation & Features</p> <p>Comprehensive user manual for the Tellur TLL331151 WiFi Thermostat. Learn about installation, setup, product features, app integration with Tellur Smart, Alexa, and Google Home, and troubleshooting.</p>
	<p>Tellur TLL331151 WiFi Smart Thermostat User Manual</p> <p>User manual for the Tellur TLL331151 WiFi Smart Thermostat, detailing its features, specifications, and usage for smart home central heating control, compatible with Alexa and Google Home.</p>
	<p>Tellur TLL331151 WiFi Thermostat: User Manual, Features, and Setup Guide</p> <p>This user manual provides comprehensive information for the Tellur TLL331151 WiFi Thermostat. It covers product specifications, features, installation guides, pairing procedures with the Tellur Smart app, integration with Alexa and Google Home, and disposal instructions.</p>
	<p>Tellur TSH02 Smart WiFi Ambient Thermostat User Manual</p> <p>Comprehensive user manual for the Tellur TSH02 Smart WiFi Ambient Thermostat, covering installation, setup, usage, technical specifications, and app integration with Tellur Smart, Amazon Alexa, and Google Home.</p>
	<p>Tellur Smart WiFi Thermostatic Radiator Valve RVSH1 User Manual TLL331441</p> <p>User manual for the Tellur Smart WiFi Thermostatic Radiator Valve RVSH1 (Model TLL331441). This guide provides detailed instructions on installation, setup, operation via the Tellur Smart app, integration with Amazon Alexa and Google Home, troubleshooting, and technical specifications. Learn how to control your home heating efficiently and save energy.</p>
	<p>Tellur Smart WiFi Thermostatic Radiator Valve RVSH1 User Manual</p> <p>Comprehensive user manual for the Tellur Smart WiFi Thermostatic Radiator Valve (Model RVSH1, TLL331441). Covers installation, setup, product features, app control via Tellur Smart, and integration with voice assistants like Amazon Alexa and Google Assistant.</p>

