

[Manuals.plus](#) /

› [Shelly](#) /

› Shelly Plus H&T Wi-Fi Humidity and Temperature Sensor Instruction Manual

Shelly Plus H&T

Shelly Plus H&T Wi-Fi Humidity and Temperature Sensor

Instruction Manual

1. INTRODUCTION

The Shelly Plus H&T is a Wi-Fi-operated humidity and temperature sensor designed to monitor environmental conditions in your home or office. It features a built-in humidity and temperature module, an E-Ink display for clear readings, and offers over a year of battery life. This device helps maintain a comfortable climate by providing accurate data and can be integrated into various home automation systems.

The Shelly Plus H&T is small and designed to blend seamlessly into any home decor. It monitors even slight changes in conditions, helping to prevent issues like excessive dryness or humidity.

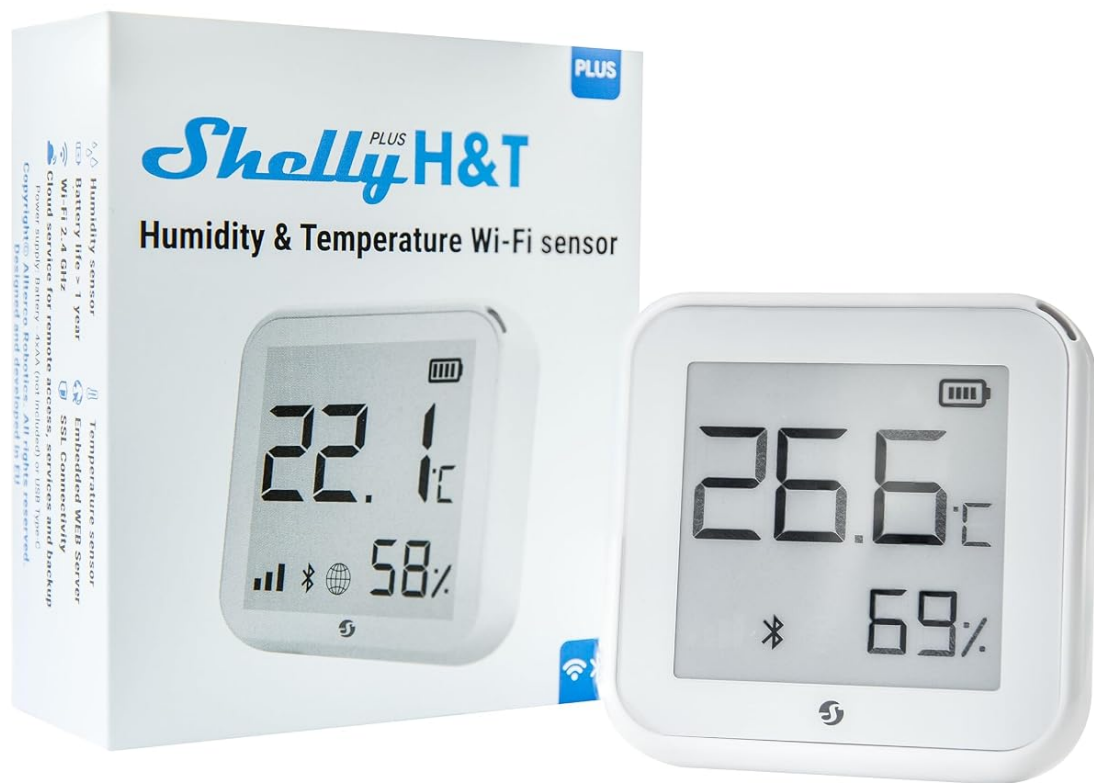


Image: The Shelly Plus H&T sensor displayed alongside its product packaging, showing the device's compact size and clear E-Ink display.

2. SAFETY INFORMATION

Please read this user guide carefully before installing or operating the Shelly Plus H&T. Failure to follow these instructions may lead to malfunction, danger, or violation of the law.

- Do not expose the device to water or high humidity.
- Do not use the device in environments with temperatures outside the specified range (refer to Technical Specifications).
- Keep the device away from direct sunlight and heat sources.
- Ensure proper battery installation, observing polarity.
- Dispose of batteries responsibly according to local regulations.
- Do not attempt to repair or modify the device yourself. Contact qualified service personnel for assistance.

3. PACKAGE CONTENTS

The Shelly Plus H&T package includes:

- 1 x Shelly Plus H&T - White

Note: Batteries (4x AA) are not included and must be purchased separately.

4. DEVICE OVERVIEW

The Shelly Plus H&T features a minimalist design with a clear E-Ink display. It measures approximately 70mm x 70mm and includes a USB-C port for optional continuous power.



Image: The Shelly Plus H&T sensor with dimensions indicated as 70mm by 70mm, highlighting its compact and minimalist design.



Image: Rear view of the Shelly Plus H&T sensor, showing the integrated stand and the USB-C port for external power connection.

5. INSTALLATION AND SETUP

5.1 Powering the Device

The Shelly Plus H&T can be powered in two ways:

1. **Batteries:** Insert 4x AA batteries into the battery compartment. Ensure correct polarity. The device is designed for over 1 year of battery life.
2. **USB-C Power:** For continuous power and more frequent updates, connect a USB-C cable to the device and a compatible power adapter (5V/500mA). Note that the USB-C port provides constant power but does not charge the batteries.

5.2 Initial Connection

To set up your Shelly Plus H&T, follow these steps:

1. **Download the Shelly Smart Control App:** Search for "Shelly Smart Control" on the Apple App Store, Google Play Store, or Huawei AppGallery.
2. **Power On:** Ensure your Shelly Plus H&T is powered on (either via batteries or USB-C).
3. **Add Device:** Open the Shelly Smart Control App and follow the on-screen instructions to add a new device. The app will guide you through connecting the sensor to your Wi-Fi network.
4. **Firmware Update:** It is highly recommended to update the device firmware to the latest version after initial setup. This ensures access to new features and bug fixes. The app will usually prompt you for updates.

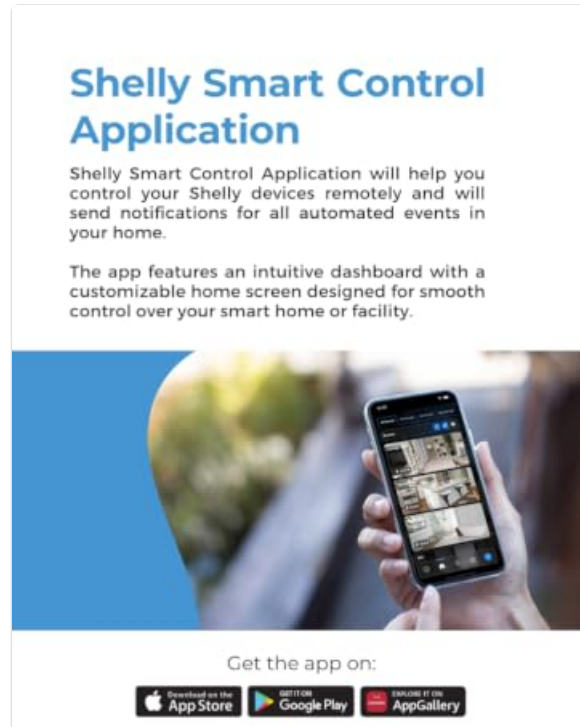


Image: A description of the Shelly Smart Control Application, highlighting its ability to control Shelly devices remotely and send notifications for automated events.

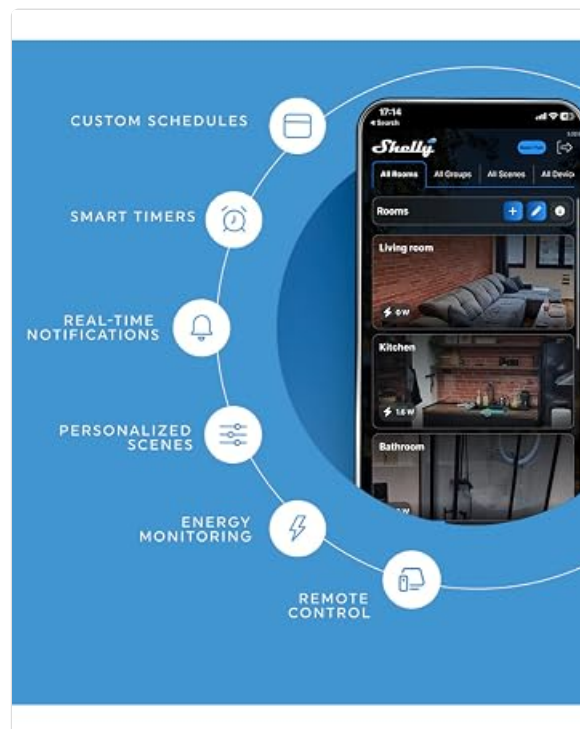


Image: Visual representation of the Shelly Smart Control App interface, illustrating features such as custom schedules, smart timers, real-time notifications, personalized scenes, energy monitoring, and remote control.

6. OPERATION

6.1 Reading the Display

The E-Ink display on the Shelly Plus H&T shows real-time temperature and humidity readings. It also indicates battery status or external power connection. The display is designed for low power consumption and high readability.



Image: The Shelly Plus H&T sensor placed on a table in a living room setting, demonstrating its discreet integration into home environments.

6.2 Monitoring and Automation

The Shelly Plus H&T provides continuous monitoring of temperature and humidity. You can access historical data and real-time readings through the Shelly Smart Control App.

- **Smart Scenes:** Create custom scenes and automations within the Shelly app. For example, you can set a Shelly Plug connected to a humidifier to turn on automatically when the humidity drops below a certain level, or a fan to activate when the temperature rises.

- **Third-Party Integration:** The device is highly compatible with various home automation platforms, including Home Assistant, Amazon Alexa, Google Home, and SmartThings. It supports open APIs (HTTP/WebSocket/MQTT/UDP with TLS 1.2) for advanced integration.
- **Notifications:** Receive notifications on your smartphone for significant changes in temperature or humidity, or when predefined thresholds are met.



Image: The Shelly Plus H&T sensor positioned on a shelf next to an air conditioning unit, illustrating its use in climate control scenarios.

6.3 Advanced Features

The Shelly Plus H&T offers additional functionalities:

- **Wi-Fi Network Extender:** The device can act as a Wi-Fi network extender, improving coverage in your home.
- **BLE Gateway:** It can function as a Bluetooth Low Energy (BLE) Gateway for other compatible devices.
- **Micro-Javascript:** Each Plus/Pro device supports micro-Javascript, allowing users to extend device functionalities through custom scripts.

What makes Shelly different?

- ✓ Every Plus/Pro relay can be used as a **Wi-Fi network extender**.
- ✓ Every Plus/Pro relay can be used as a **BLE Gateway** - for any other devices.
- ✓ Open API over **HTTP/WebSocket/MQTT/UDP** with TLS 1.2 support, allowing for devices to be integrated with 3rd-party systems.
- ✓ A **large WORLDWIDE community** where knowledge is spread quickly and easily. Scan the QR code in order to join our Facebook support group.
- ✓ Each Plus/Pro device supports **micro-Javascript** which allows customers to extend device functionalities.



Image: An infographic detailing unique Shelly features, including Wi-Fi extender capability, BLE Gateway function, Open API support, a large worldwide community, and micro-Javascript support, along with a QR code for community access.

7. MAINTENANCE

7.1 Battery Replacement

When the battery indicator on the E-Ink display shows low power, replace the 4x AA batteries. To do this, carefully open the back cover of the device, remove the old batteries, and insert new ones, ensuring correct polarity. Close the cover securely.

7.2 Cleaning

Clean the device with a soft, dry cloth. Do not use abrasive cleaners or solvents, as these can damage the device's surface or internal components.

8. TROUBLESHOOTING

• Device not connecting to Wi-Fi:

- Ensure the device is within range of your Wi-Fi router.
- Verify your Wi-Fi network credentials in the Shelly app.
- Restart your Wi-Fi router and the Shelly device.
- Ensure your router settings allow new devices to connect.

• Inaccurate readings:

- Ensure the device is not placed near heat sources, direct sunlight, or drafts that could affect readings.
- Allow some time for the sensor to stabilize after placement or power-on.

• Display issues (e.g., blank or distorted):

- E-Ink displays can be affected by extreme cold temperatures. If used outdoors in freezing conditions, the display may show errors, though data transmission via Wi-Fi should continue.

- Check battery levels or USB-C power connection.
- **Device not waking up or responding:**
 - If running on batteries, the device enters sleep mode to conserve power. It wakes up periodically or when significant changes in temperature/humidity are detected.
 - If using USB-C power, the device should remain active. Check the power connection.
 - Press the button on the device to manually wake it up for configuration or immediate data transmission.

9. TECHNICAL SPECIFICATIONS

Brand	Shelly
Model	Plus H&T
Color	White
Item Weight	48 Grams
Battery Description	No batteries required (operates on 4x AA batteries, not included)
Mounting Type	Tabletop
Voltage	1.5 Volts (per battery)
Temperature Accuracy	0.5 °C
Connectivity	Wi-Fi, Bluetooth
Manufacturer	Allterco Robotics EOOD

10. WARRANTY AND SUPPORT

10.1 Warranty

Shelly provides a 2-year device warranty. For detailed warranty terms and conditions, please refer to the official Shelly website or contact customer support.

10.2 Customer Support

For technical assistance, troubleshooting, or any inquiries regarding your Shelly Plus H&T, please contact Shelly customer service. Professional support is available to assist you.

You can also join the Shelly community for peer support and shared knowledge:

- **Shelly Facebook Community:** <https://www.facebook.com/groups/1686781668087857/>

The Shelly Smart Control App is your primary interface for managing and controlling your device. Ensure it is always updated to the latest version for optimal performance.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question