Shelly BLU H&T Display ZB

Shelly BLU H&T Display ZB Temperature & Humidity Sensor User Manual

Model: BLU H&T Display ZB

Introduction

The Shelly BLU H&T Display ZB is a battery-powered smart sensor designed to monitor temperature, humidity, and light levels. It features an E-Paper display for real-time readings and supports both Bluetooth and Zigbee protocols for seamless integration into your smart home system. This device is compatible with various smart home platforms, including Home Assistant, Alexa, and Google Home, when used with a compatible gateway.



Image: Front view of the Shelly BLU H&T Display ZB, showing the E-Paper display with temperature, humidity, and time.

Package Contents

- 1 x Shelly BLU H&T Display ZB (White)
- Plastic stand
- Metal Plate
- User guide

Setup

1. Battery Installation

The Shelly BLU H&T Display ZB is powered by 2 x 3V CR2032 batteries. To install or replace the batteries:

1. Carefully remove the back cover of the device.
2. Insert the two CR2032 batteries, ensuring correct polarity.
3. Replace the back cover securely.



Image: Rear view of the Shelly BLU H&T Display ZB, showing the battery compartment and regulatory markings.

2. Device Placement

The device can be placed on a flat surface using the included plastic stand or mounted on a wall using the metal plate. Choose a location that provides accurate environmental readings and is within range of your chosen gateway.



Image: Shelly BLU H&T Display ZB mounted on a wall, displaying temperature and humidity.

3. Connecting to a Gateway

The Shelly BLU H&T Display ZB requires a compatible gateway for integration with the Shelly Smart Control app and other smart home platforms. It supports both Bluetooth and Zigbee connectivity.

- **For Bluetooth connectivity:** Use a Shelly BLU Gateway, or any Shelly Plus, Pro, or Gen3 device that supports Bluetooth.
- **For Zigbee connectivity:** Use any compatible Zigbee gateway for mesh network inclusion.

Refer to your gateway's instructions for the specific pairing process. Generally, you will need to put your gateway into pairing mode and then activate the Shelly BLU H&T Display ZB to be discovered.



Image: Diagram illustrating the inclusion process of the Shelly BLU H&T Display ZB with a gateway.



Image: Examples of compatible gateways including Shelly BLU Gateway, Shelly Plus/Pro/Gen3 relays, and a generic Zigbee gateway.

Operating Instructions

1. Display Readings

The E-Paper display shows real-time information including:

- Current Temperature (in Celsius or Fahrenheit)
- Current Humidity Percentage
- Current Time
- Battery Level Indicator
- Bluetooth/Zigbee Connection Status

The display updates every minute or upon significant changes (e.g., 0.36°F temperature difference or 3% humidity difference).



Image: Visual representation of the Shelly BLU H&T Display ZB's functionalities, including temperature, humidity, and light sensing.

2. Smart Home Integration and Automation

Once connected to a compatible gateway, the sensor's data can be used to create smart automations within your smart home ecosystem. Examples include:

- Automatically turning on fans or humidifiers based on humidity levels.
- Adjusting lighting or heating/cooling systems based on temperature.
- Receiving notifications for significant changes in environmental conditions.



Image: The Shelly BLU H&T Display ZB integrated into various smart home scenarios, such as controlling a bathroom fan or heating.

Maintenance

1. Battery Replacement

The device is designed for long-life battery operation. When the battery indicator on the display shows low power, replace the two CR2032 batteries as described in the "Battery Installation" section under Setup.

2. Cleaning

To clean the device, gently wipe it with a soft, dry cloth. Do not use liquid cleaners or abrasive materials, as these can damage the E-Paper display or internal components.

Troubleshooting

- **Device not displaying readings:** Ensure batteries are correctly installed and have sufficient charge. Replace if necessary.
- **Unable to connect to app/gateway:**
  - Verify that your gateway is powered on and in pairing mode.
  - Ensure the Shelly BLU H&T Display ZB is within range of the gateway.
  - Check the Shelly Smart Control app or your smart home platform for device discovery options.
  - Confirm that you have a compatible gateway (Shelly BLU Gateway, Shelly Plus/Pro/Gen3 device, or a Zigbee gateway).
- **Inaccurate readings:** Ensure the device is placed in a location free from direct sunlight, drafts, or heat sources that could affect temperature and humidity measurements.

Specifications

Brand	Shelly
Model	BLU H&T Display ZB
Connectivity	Bluetooth, Zigbee
Display Type	E-Paper
Power Source	2 x 3V CR2032 Batteries
Temperature Range	14°F to 105°F (-10°C to 40°C)
Temperature Accuracy	0.5°C
Item Weight	38 Grams
Manufacturer	Shelly Europe

Warranty

The Shelly BLU H&T Display ZB comes with a**2-year manufacturer warranty**. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, refer to the official Shelly website or contact customer support.

Support

For further assistance, technical support, or to access additional resources, please utilize the following options:

- **Knowledge Base:** Access product specifications, guidelines, and FAQs.
- **Technical Support:** Contact Shelly's professional support team.
- **Community Forums:** Engage with other users in Facebook Support Groups and Reddit communities.
- **Shelly Academy:** Explore video tutorials and webinars for in-depth learning.

Visit the official Shelly support portal:https://support.shelly.cloud/en/support/home

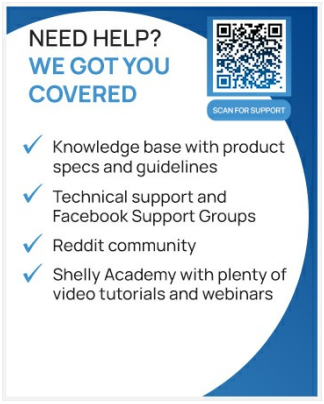


Image: Overview of Shelly's comprehensive support resources.

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