

Shelly H&T Gen3

Shelly H&T Gen3 White Temperature and Humidity Sensor User Manual

1. INTRODUCTION

The Shelly H&T Gen3 is a Wi-Fi enabled temperature and humidity sensor designed for precise environmental monitoring. Featuring an advanced Shelly chip with 8MB memory, it offers faster responsiveness and enhanced data storage capabilities. This device integrates seamlessly into your smart home ecosystem, allowing control via the Shelly Smart Control app, various protocols, platforms, and voice assistants. It includes an energy-efficient e-Ink display and a built-in timer.

2. SAFETY INFORMATION

- Read this user manual carefully before installation and use.
- Do not attempt to disassemble or modify the device.
- Keep the device away from direct sunlight, heat sources, and moisture.
- Use only specified power sources (AA batteries or USB Type-C).
- Dispose of batteries responsibly according to local regulations.

3. PACKAGE CONTENTS

The package includes:

- 1 x Shelly H&T Gen3 White device

Note: 4 x 1.5V AA (LR) batteries are not included.

4. DEVICE OVERVIEW

The Shelly H&T Gen3 features a compact design with a clear e-Ink display showing current temperature, humidity, time, battery level, and connectivity status. Its dimensions are approximately 70 x 70 x 70 mm.

Minimalistic design fitting perfectly in your home



Image: Shelly H&T Gen3 White device displaying temperature, humidity, time, and battery level, with dimensions indicated as 70mm by 70mm.

5. SETUP

5.1 Powering the Device

The Shelly H&T Gen3 can be powered in two ways:

- **Battery Power:** Insert four 1.5V AA (LR) batteries into the designated compartment. This provides an autonomy of up to 1 year, depending on usage and reporting frequency.
- **USB Type-C Power:** Connect a USB Type-C cable (not included) to the device and a compatible 5V USB power adapter for continuous power. This allows for faster connection and more frequent data reports.

5.2 Initial Connection and App Integration

1. Ensure your Shelly H&T Gen3 is powered on.
2. Download the **Shelly Smart Control** app from the App Store (iOS) or Google Play Store (Android).

3. Open the app and create an account or log in.
4. Follow the in-app instructions to add your new device. The device uses Bluetooth for quick inclusion and pairing, then connects to your Wi-Fi network. No separate hub is required.
5. Configure your device settings, including Wi-Fi credentials and reporting preferences.

Easy connectivity

- Connect Shelly H&T Gen3 to your Wi-Fi network. No HUB required!
- Quick inclusion via Bluetooth. Available for pairing only!



Image: A smartphone displaying the Shelly H&T Gen3 app interface, showing temperature charts and connectivity options, illustrating easy connectivity.

6. OPERATING INSTRUCTIONS

6.1 Reading the Display

The e-Ink display provides real-time information:

- **Temperature:** Current ambient temperature in Celsius or Fahrenheit.
- **Humidity:** Current relative humidity percentage.
- **Time:** Digital clock display.

- **Battery Level:** Indicator for remaining battery charge.
- **Connectivity Status:** Icons for Wi-Fi signal strength and Bluetooth status.

6.2 Smart Actions and Scenes

Integrate the Shelly H&T Gen3 with other Shelly devices within the Shelly Smart Control app to create intelligent automation scenes:

- **Temperature Control:** Pair the H&T Gen3 with a Shelly Plug to automatically turn on or off a heater or fan when specific temperature thresholds are met.

Temperature control

- Turn your old heater into a smart device by connecting it to a Shelly Plug paired with Shelly H&T Gen3



Image: The Shelly H&T Gen3 sensor displaying 26.0°C and 39% humidity, shown next to a Shelly Plug connected to a heater, demonstrating temperature control automation.

- **Humidity Control:** Automate humidity control by linking the H&T Gen3 with a Shelly Plus 1 or similar device to activate a dehumidifier or ventilation system when humidity levels exceed a set point.

Humidity control

- Maintain a dry and comfortable bathroom by effortlessly automating humidity control with Shelly H&T Gen3 and Shelly Plus 1



Image: The Shelly H&T Gen3 sensor displaying 26.0°C and 39% humidity, shown in a bathroom setting with a Shelly Plus 1 module, illustrating automated humidity control.

These automations can be configured through the Shelly Smart Control app, allowing for personalized environmental management.

7. MAINTENANCE

7.1 Battery Replacement

When the battery indicator on the e-Ink display shows low power, replace the four 1.5V AA (LR) batteries. To do this, carefully open the battery compartment, remove the old batteries, and insert new ones, ensuring correct polarity. Note that the device does not recharge rechargeable batteries via its USB-C port.

7.2 Cleaning

To clean the device, gently wipe its surface with a soft, dry cloth. Do not use liquid cleaners, abrasive materials, or chemical solvents, as these can damage the device or its display.

8. TROUBLESHOOTING

- **Device Not Connecting to Wi-Fi:** Ensure the device is within range of your Wi-Fi router. Verify that the Wi-Fi network name (SSID) and password entered in the Shelly app are correct. If using battery power, the device may enter a low-power state; press the button located under the battery cover to wake it up for configuration changes or firmware updates.
- **Inaccurate Readings:** If temperature or humidity readings appear inaccurate, calibrate the sensor against a known reliable thermometer or hygrometer. Calibration options are available within the device settings in the Shelly Smart Control app.
- **Display Issues:** If the e-Ink display shows anomalies (e.g., partial display, flickering), try restarting the device by removing and reinserting the batteries, or by disconnecting and reconnecting the USB power. If the issue persists, contact Shelly support.
- **Firmware Updates Not Applying:** When operating on battery power, firmware updates or configuration changes may not apply immediately. Press the button under the battery cover to force the device to wake up and connect to the cloud, allowing it to receive pending updates.

9. SPECIFICATIONS

Feature	Specification
Brand	Shelly
Model	H&T Gen3 (3800235261538)
Dimensions (L x W x H)	7 x 7 x 7 cm
Weight	50 Grams
Measurement Precision	1%
Response Time	1 second
Mounting Type	Wall Mount
Power Supply	4 x 1.5V AA (LR) batteries (not included) or USB Type-C (5V)
Connectivity	Wi-Fi, Bluetooth
Display	e-Ink
Memory	8MB

10. WARRANTY

The Shelly H&T Gen3 is supported by a 3-year availability of spare parts within the EU. For specific warranty terms and conditions, please refer to the official Shelly website or contact your retailer.

11. SUPPORT

For further assistance, product guides, tutorials, and technical support, please visit the official Shelly support page: <https://support.shelly.cloud/en/support/home>

You can also find community support and discussions in various online forums and social media groups dedicated to Shelly products.

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