



## Device image



## Device identification

- Device name: **Shelly BLU H&T**
- Device model: **SBHT-003C**
- Device Bluetooth ID: **0x0003**

## Short description

Shelly BLU H&T (the Device) is a smart Bluetooth humidity and temperature sensor featuring long battery life.

## Main features



- Long battery life
- Air temperature and humidity reporting
- Splash and dust-resistant
- Compact size

## Use cases

- **Climate control:** Adjust the heating, ventilation, and air conditioning system based on current temperature and humidity levels to maintain a comfortable indoor environment.
- **Prevent mold and mildew:** Monitor humidity levels to prevent the growth of mold and mildew in spaces like basements and bathrooms. The Shelly BLU H&T can activate ventilation or dehumidification devices when needed.
- **Alerts and notifications:** Receive alerts or notifications when the temperature or humidity reaches predefined thresholds and prevent issues like frozen pipes in cold weather or excessive moisture.
- **Optimizing greenhouse conditions:** Optimize conditions for greenhouse plants by adjusting watering systems and ventilation based on humidity and temperature levels.
- **Security enhancement:** Increase your home protection by detecting unusual temperature changes that might indicate fire or flood.
- **Appliance control:** Adjust operation of dehumidifiers, humidifiers, and fans based on the current temperature and humidity conditions.

## Connectivity

- Bluetooth

## User interface

### Inputs

- One push button

- Press briefly to receive the currently measured ambient temperature in °C and relative humidity in percent, as well as a button-pressed event.
- Press and hold for 10 sec to pair ShellyBLU H&T with another Bluetooth device.
- Press and hold for 30 sec to factory reset (possible only shortly after inserting the battery).

Specifications



Type	Value
Physical	
Size (HxWxD):	37x37x10 mm / 1.46x1.46x0.39 in
Weight:	13 g / 0.44 oz
Mounting	On a flat surface
Shell material:	Plastic
Color:	<ul style="list-style-type: none"><li>• Black: C-0%; M-0%; Y-0%; K-100%</li><li>• Mocha: C-0%; M-12%; Y-28%; K-12%</li><li>• Ivory: C-3%; M-4%; Y-14%; K-8%</li></ul>
Environmental	
Ambient temperature:	-20 °C to 60 °C / -5 °F to 140 °F
Humidity:	0% to 100% RH
Electrical	
Power supply:	1x 3 V battery (included)
Battery type:	CR2032

Battery life:	3 years
<b>Sensors</b>	
Humidity sensor:	Yes
Temperature sensor:	Yes
<b>Bluetooth</b>	
Protocol:	4.2
RF band:	2400 - 2483.5 MHz
Max. RF power:	<4 dBm
Range:	Up to 30 m / 100 ft outdoors, up to 10 m / 33 ft indoors (depending on local conditions)
<b>Firmware capabilities</b>	
Encryption:	AES encryption (CCM mode)

Troubleshooting

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Firmware

- This device
- All device issues

Components and APIs

- [This device](#)
- [All Shelly devices and services](#)

## Compliance

- [Shelly BLU H&T multilingual EU declaration of conformity.pdf](#)

## Battery material safety data sheet

- [CR-PSDS-01\\_MSDS\\_Panasonic CR2030.pdf](#)

## Printed User Guide

- [Shelly BLU H&T multilingual printed user and safety guide.pdf](#)



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