

Shelly® H&T

CONTROL YOUR HOME WITH YOUR VOICE

All Shelly devices are compatible with Amazons' Alexa and Google' assistant. Please see our step-by-step guides on: <https://shelly.cloud/compatibility>

SHELLY APPLICATION



Shelly Cloud gives you the opportunity to control and adjust all Shelly® Devices from anywhere in the world. You only need an internet connection and our mobile application, installed on your smartphone or tablet.

Registration

The first time you open the Shelly Cloud mobile app, you have to create an account which can manage all your Shelly® devices.

Forgotten Password

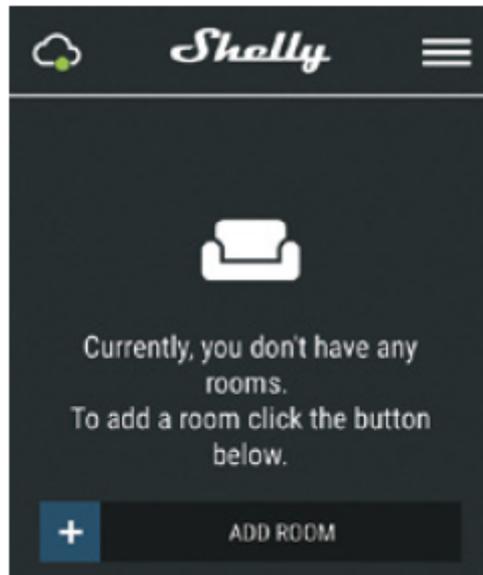
In case you forget or lose your password, just enter the e-mail address you have used in your registration. You will then receive instructions on how to change your password.

⚠ WARNING! *Be careful when you type your e-mail address during the registration, as it will be used in case you forget your password.*

First steps

After registering, create your first room (or rooms), where you are going to add and use your Shelly devices. Shelly Cloud gives you the opportunity to create scenes for

automatically turning on or off of the Devices at predefined hours or based on other parameters like temperature, humidity, light etc. (with available sensors in Shelly Cloud). Shelly Cloud allows easy control and monitoring using a mobile phone, tablet or PC.



Device Inclusion

Step 1

Place your Shelly H&T in the room where you want to use it. Press the Button - the LED should turn on and flash slowly.

⚠WARNING! *If the LED does not flash slowly, press and hold the Button for at least 10 seconds. The LED should then flash quickly. If not, please repeat or contact our customer support at: support@shelly.cloud*

Step 2

Choose "Add Device". In order to add more devices later, use the Menu at the top right corner of the main screen and click "Add Device". Type the name and password for the WiFi network, to which you want to add Shelly.

Step 3

If using iOS: you will see the following screen - On your **iOS** device open Settings > WiFi and connect to the WiFi network created by Shelly, e.g. **ShellyHT-35FA58**. - If using **Android** your phone will automatically scan and include all new Shelly devices in the WiFi network that you defined.



Upon successful Device Inclusion to the WiFi network you will see the following pop-up:



Step 4:

Approximately 30 seconds after discovery of any new devices on the local WiFi network, a list will be displayed by default in the "Discovered Devices" room.

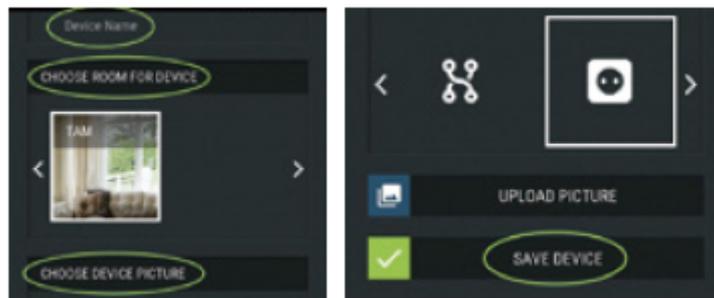


Step 5: Select Discovered Devices and choose the Shelly device you want to include in your account.



Step 6:

Enter a name for the Device. Choose a Room, in which the device has to be positioned. You can choose an icon or upload a picture to make it easier to recognize. Press "Save Device".



Step 7:

To enable connection to the Shelly Cloud service for remote control and monitoring of the Device, press “yes” on the following pop-up.



Shelly Devices Settings

After your Shelly device is included in the app, you can control it, change its settings and automate the way it works. To switch the device on and off, use the Power button. To enter the details menu of the device, click on it's name. From there you may control the device, as well as edit its appearance and settings.



Sensor settings

Temperature Units:

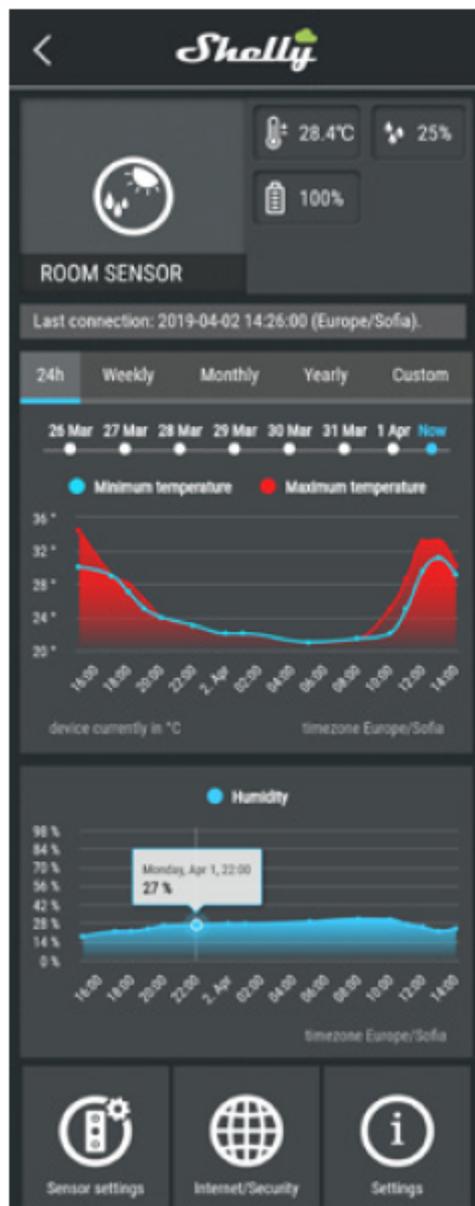
Setting for change of the temperature units.

- Celsius
- Fahrenheit

Temperature Threshold:

Define the temperature Threshold in which Shelly H&T will “wake up” and send status. The value can be from 0.5° up to 5° or you can disable it.

Humidity Threshold: Define the humidity Threshold in which Shelly H&T will “wake up” and send status. The value can be from 5 up to 50% or you can disable it.



Internet/Security

WiFi Mode - Client: Allows the device to connect to an available WiFi network. After typing the details in the respective fields, press Connect.

WiFi Mode - Access Point: Configure Shelly to create a Wi-Fi Access point. After typing the details in the respective fields, press Create Access Point.

Restrict Login: Restrict the web interface (IP in the Wi-Fi network) of Shelly with a Username and Password. After typing the details in the respective fields, press Restrict Login.

Settings

Firmware Update

Update the firmware of Shelly, when a new version is released.

Time Zone and Geo-location

Enable or Disable the automatic detection of Time Zone and Geo-location.

Factory Reset

Return Shelly to its factory default settings.

Device Information

Here you can see the:

- Device ID - Unique ID of Shelly
- Device IP - The IP of Shelly in your Wi-Fi network

Edit Device

From here you can edit:

- Device Name
- Device Room
- Device Picture

When you are done, press Save Device.

THE EMBEDDED WEB INTERFACE

Even without the mobile app Shelly can be set and controlled through a browser and connection of a mobile phone or tablet.

Abbreviations used:

Shelly-ID – consists of 6 or more characters. It may include numbers and letters, for example **35FA58**. **SSID** – the name of the WiFi network, created by the device, for example **ShellyHT-35FA58**.

Access Point (AP) – in this mode in Shelly creates its own WiFi network.

Client Mode (CM) – in this mode in Shelly connects to another WiFi network.

INSTALLATION/INITIAL INCLUSION

Step 1

Place Shelly in the room where you want to use it. Open it and press the Button. The LED should flash slowly.

⚠ CAUTION! To open the device, twist the top and bottom part of the case counter clockwise.

⚠ CAUTION! If the LED does not flash slowly, press and hold the Button for 10 seconds. Upon successful factory reset, the LED will flash slowly.

Step 2

When the LED is flashing slowly, Shelly has created a WiFi network, with names such as **ShellyHT-35FA58**. Connect to it.

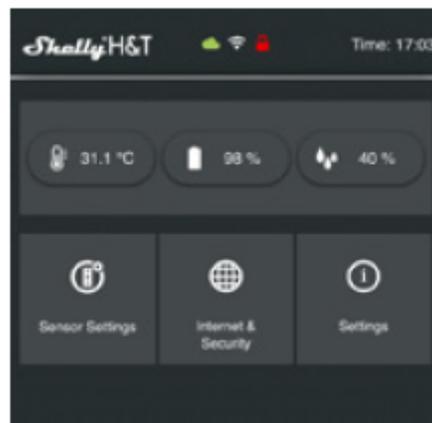
Step 3

Type **192.168.33.1** into the address field of your browser to load the web interface of Shelly.

General - Home Page

This is the home page of the embedded web interface. Here you will see information about:

- Current Temperature
- Current Humidity
- Current battery percentage
- Connection to Cloud
- Present time
- Settings



Sensor Settings

Temperature Units: Setting for change of the temperature units.

- Celsius
- Fahrenheit

Send Status Period: Define the period (in hours), in which Shelly H&T will report its status. The value must be between 1 and 24.

Temperature Threshold: Define the temperature Threshold in which Shelly H&T will “wake up” and send status. The value can be from 1° up to 5° or you can disable it.

Humidity Threshold: Define the humidity Threshold in which Shelly H&T will “wake up” and send status. The value can be from 0.5 up to 50% or you can disable it.

Internet/Security

WiFi Mode-Client: Allows the device to connect to an available WiFi network. After typing the details in the fields, press Connect.

WiFi Mode-Access Point: Configure Shelly to create a Wi-Fi Access point. After

typing the details in the fields, press **Create Access Point**.

Restrict Login: Restrict the web interface of Shelly with a Username and Password. After typing the details in the respective fields, press **Restrict Shelly**.

Advanced Developer Settings: Here you can change the action execution:

- Via CoAP (CoIOT)
- Via MQTT

⚠ATTENTION: To reset the device, press and hold the **Button** for at least 10 seconds. Upon successful factory reset, the LED will flash slowly.

Settings

Time Zone and Geo-location: Enable or Disable the automatic detection of Time Zone and Geo-location. If Disabled you can define it manually.

Firmware Upgrade: Shows present firmware version. If a newer version is available, you can update your Shelly by clicking **Upload** to install it.

Factory reset: Return Shelly to its factory settings. **Device Reboot:** Reboots the device.

Battery Life Recommendations

For the best battery life we recommend you the following settings for Shelly H&T:

- Sensor settings
- Send Status Period: 6 h
- Temperature Threshold: 1°
- Humidity Threshold: 10%

Set a static IP address in the Wi-Fi network for Shelly from the embedded web interface. Go to **Internet/Security** -> **Sensor settings** and press on **Set static IP address**. After typing the details in the respective fields, press **Connect**.

WIFI MODE - CLIENT

Connect the Shelly device to an existing WiFi Network

WiFi Name

Password

Set static IP address

IP address:

IP address

Network mask:

255.255.255.0

Gateway:

Gateway

DNS (optional):

DNS

CONNECT

Keep Shelly at the best distance possible to the Wi-Fi router.

USER AND SAFETY GUIDE

WIFI HUMIDITY AND TEMPERATURE SENSOR

This document contains important technical and safety information about the device and its safety use and installation. Before beginning the installation, please read this guide and any other documents accompanying the device carefully and completely. Failure to follow the installation procedures could lead to malfunction, danger to your health and life, violation of the law or refusal of legal and/or commercial guarantee (if any). Allterco Robotics is not responsible for any loss or damage in case of incorrect installation or improper operation of this device due to failure of following the user and safety instructions in this guide. Shelly® H&T main function is to measure and indicate humidity and temperature for the room/area where it is placed. The device can also be used as an action trigger to other devices for your home automation. Shelly® H&T may work as a standalone device or as an addition to a home automation controller. Shelly® H&T is a battery operated device, or it can be operated constantly connected to power supply through USB power supply accessory. The USB power supply accessory is not included in the Shelly® H&T product, and it is available for purchase separately.

Specification

- Battery Type: 3V DC - CR123A (Battery not included)
- Estimated battery Life: Up to 18 months
- Humidity measurement range: 0~100% ($\pm 5\%$)
- Temperature measurement range: $-40^{\circ}\text{C} \div 60^{\circ}\text{C}$ ($\pm 1^{\circ}\text{C}$)
- Working temperature: $-40^{\circ}\text{C} \div 60^{\circ}\text{C}$
- Radio signal power: 1mW
- Radio protocol: WiFi 802.11 b/g/n
- Frequency: 2412-2472 MHz; (Max. 2483,5 MHz)
- RF output power 9,87dBm
- Dimensions (HxWxL): 35x45x45 mm
- Operational range:
 - up to 50 m outdoors
 - up to 30 m indoors
- Electrical consumption:
 - "Sleep" mode $\leq 70\mu\text{A}$
 - "Awake" mode $\leq 250\text{mA}$

Introduction to Shelly

Shelly® is a line of innovative Devices, which allow remote control of electric appliances through a mobile phone, tablet, PC, or home automation system. All devices use WiFi connectivity and can be controlled from the same network or through remote access (any internet connection). Shelly® may work standalone on the local WiFi network, without being managed by a home automation controller, or it can also work through cloud home automation services. Shelly devices can be accessed remotely from any place the User has Internet connectivity. Shelly® has an integrated web

server, through which the User may adjust, control and monitor the Device. Shelly® Devices have two WiFi modes - Access Point (AP) and Client mode (CM). To operate in Client Mode, a WiFi router must be located within the range of the Device. Shelly® Devices can communicate directly with other WiFi devices through HTTP protocol. An API can be provided by the Manufacturer. Shelly® Devices may be available for monitor and control even if the User is outside the range of the local WiFi network, as long as the devices are connected to a WiFi router and the Internet. The cloud function could be used, which is activated through the web server of the Device or the settings in the Shelly Cloud mobile application. The User can register and access Shelly Cloud using either Android or iOS mobile application, or with any internet browser at <https://my.shelly.cloud/>

Installation Instructions

⚠ CAUTION! Use the Device only with batteries which comply with all applicable regulations. Inappropriate batteries may cause a short circuit in the Device, which may damage it.

⚠ CAUTION! Do not allow children to play with the device, especially with the Power Button. Keep the devices for remote control of Shelly (mobile phones, tablets, PCs) away from children.

Battery placement and Button controls

Twist the bottom cover of the device counterclockwise to open. Insert the battery inside before placing the device at the desired place. The Power Button is located inside the device and can be accessed when the device cover is open. (when using a USB power supply accessory power button is accessible through a hole at the bottom of the device with a pin) Press the Button to turn on AP mode of the device. The LED indicator located inside of the device should flash slowly. Press the Button again, the LED indicator will turn off and the device will be in „Sleep“ mode. Press and hold the button for 10 seconds for Factory Settings Reset. Successful factory reset turns on the LED indicator to flash slowly.

LED Indicator

- LED flashing slowly - AP Mode
- LED constant light - STA Mode (Connected to Cloud)
- LED flashing quickly
- STA Mode (No Cloud) or
- FW Update (while in STA mode and connected to Cloud)

Compatibility

Shelly® devices are compatible with Amazon Alexa and Google Assistant, as well as with most 3rd party home automation platforms. Please see our step-by-step guides on: <https://shelly.cloud/support/compatibility/>

Additional Features

Shelly® allows control via HTTP from any other device, home automation controller, mobile app or server. For more information about the REST control

protocol, please visit: <https://shelly.cloud> or send a request to support@shelly.cloud

Declaration of conformity

Hereby, Allterco Robotics EOOD declares that the radio equipment type for Shelly H&T is in compliance with Directive 2014/53/EU, 2014/35/EU, 2011/65/EU. The full text of the EU declaration of conformity is available at the following internet address:

<https://shelly.cloud/knowledge-base/devices/shelly-ht/>

General information and guarantees

Manufacturer: Allterco Robotics EOOD

Address: Bulgaria, Sofia, 1407, 103 Cherni vrah Blvd.

Tel.: +359 2 988 7435

E-mail: support@shelly.cloud

Web: <https://shelly.cloud>

Changes in the contact data are published by the Manufacturer at the official website of the Device <https://shelly.cloud>

All rights to trademark Shelly®, and other intellectual rights associated with this Device belong to Allterco Robotics EOOD. The Device is covered by legal guarantee in accordance with the applicable EU consumer protection legislation. Additional commercial guarantee might be provided by the individual merchant under express statement. All guarantee claims shall be addressed to the seller, from whom the device was purchased.

