tp-link | tapo



User Guide

Tapo Smart Temperature & Humidity Sensor

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About This Guide

This guide provides a brief introduction to the Smart Temperature & Humidity Sensor and the Tapo app, as well as regulatory information.

Please note that features available in Tapo may vary by model and software version. Tapo availability may also vary by region. All images, steps, and descriptions in this guide are only examples and may not reflect your actual Tapo experience.

Conventions

In this guide, the following convention is used:

Convention	Description
Blue	Key information appears in blue, including management page text such as menus, items, buttons and so on.
Underline	Hyperlinks are in blue and underlined. You can click to redirect to a website.
Note:	Ignoring this type of note might result in a malfunction or damage to the device.

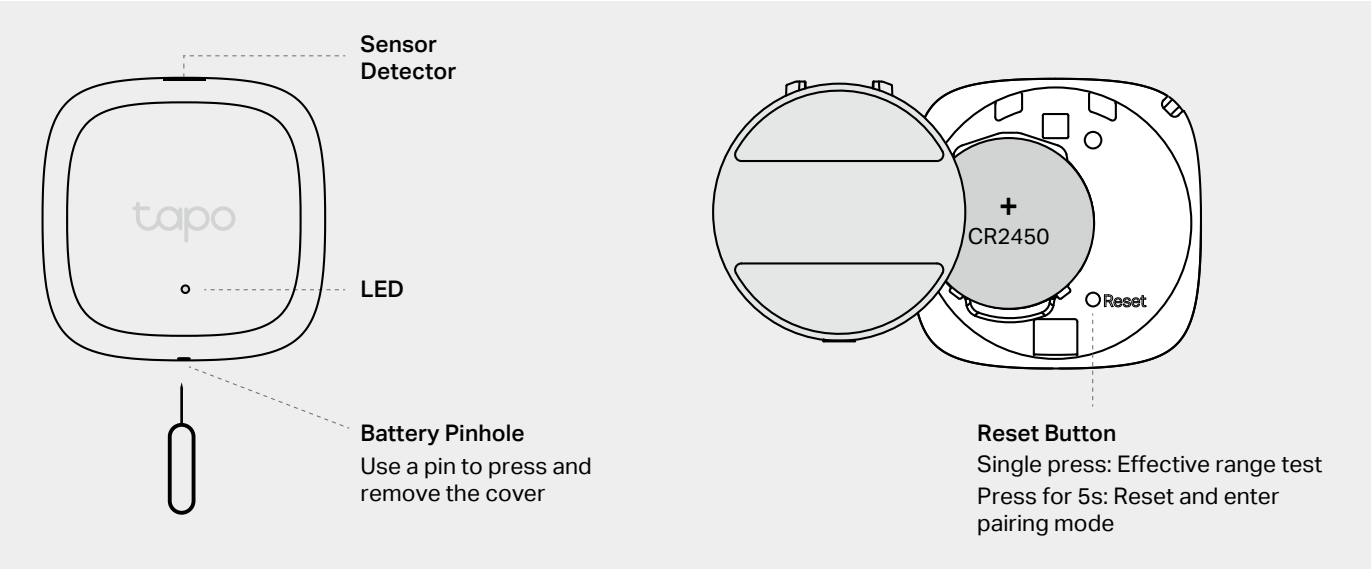
More Info

- Specifications can be found on the product page at https://www.tapo.com.
- Our Technical Support and troubleshooting information can be found at https://www.tapo.com/support/.
- The setup videos can be found at https://www.tp-link.com/support/ setup-video/#smart-sensors.

Introduction

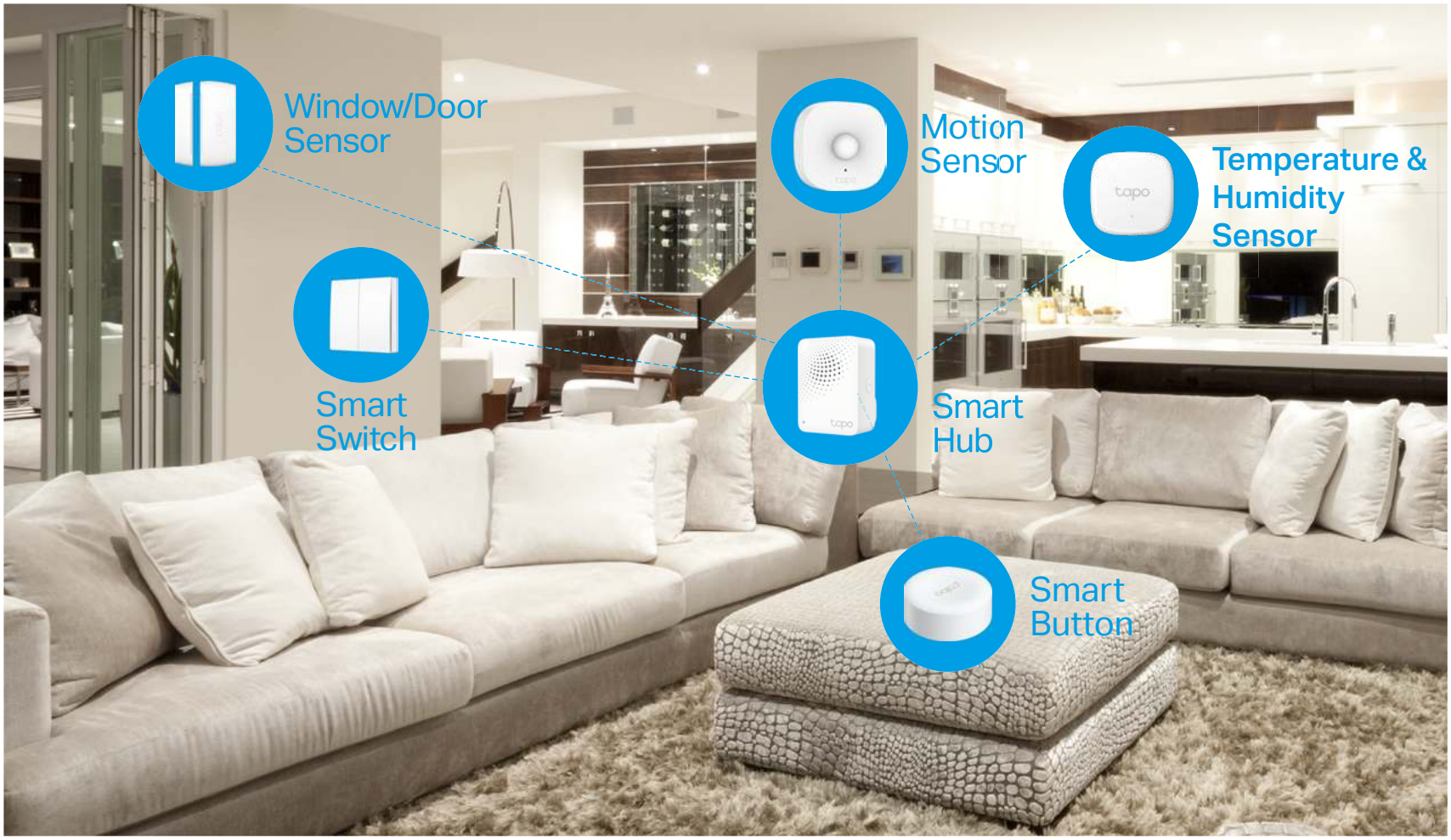
The Smart Temperature and Humidity Sensor detects real-time temperature and humidity with great accuracy. Receive instant app notifications when temperature or humidity levels fall outside your customized ranges. React promptly to sudden air condition changes whenever the need arises. It is suitable for green houses, bedrooms, nursery, incubators, and wine cellars.

- **Fast & Accurate Monitoring** - Detects temperature and humidity with high-accuracy Swiss-made sensor. Obtaining and update data every 2 seconds. (Accuracy: ±0.3 °C, ±3% RH)
- **Home Automation** - Automatically turns on/off home electronics when settings fall outside their preset ranges.
- **Free Data Storage & Visual Graphics** - Records temperature and humidity data and generates periodic data summaries.
- **App Notification Alerts** - Receive instant alerts on your phone whenever levels fall outside preset ranges.
- **Flexible Installation** - Hang it with a lanyard, attach it on a surface with an adhesive or magnet, or simply place it on a desk.
- **Hub Required** - The Tapo Hub is requried.



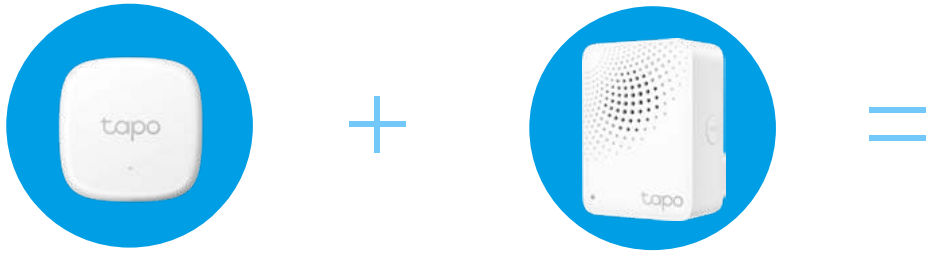
Tapo Smart Ecosystem

Tapo is the easy way to turn your home into a smart home. With the Tapo Hub as a bridge, Tapo Smart Sensor works with a wide range of Tapo accessories. So you can easily control and monitor your home from anywhere.



Automate Your Home

Create a Smart Action to automate your smart devices and activate them all with motion. Customize your own Smart Actions to group your Tapo products together any way you want.



Tapo T310 + Tapo Hub =

Get Instant Alerts

Send you instant app notifications when the temperature or humidity levels fall outside your preset ranges.

Perfect for monitoring your green house, cigar humidors, wine cellars, instrument cases and more.



Tapo T310 + Tapo Hub + Tapo Plug =

Automate Your Appliances

Monitor and adjust your home's comfort level along with other Tapo devices.

For example, turn on a heater connected to Tapo smart plug automatically when the temperature in your home drops too low. Then switch it off when it's warm enough to save energy. Also works on appliances like fans, humidifiers and dehumidifiers.



Tapo T310 + Tapo Hub + Tapo Robot Vacuum (with mopping feature) =

Dry Air Relief

Triggers the Tapo robot vacuum to mop when the sensor detects humidity is lower than the preset range. This way, always keep your living space at a comfortable level.

Set Up Your Smart Sensor

Watch **setup videos** at https://www.tp-link.com/support/download/tapo-t310/

Before You Start

A Tapo Hub is required. Make sure your Tapo Hub is successfully added via the Tapo app.

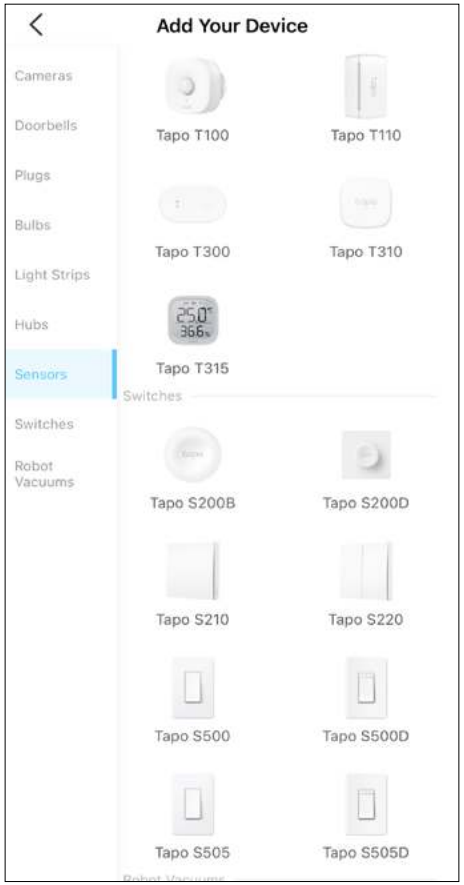
Download on the App Store

GET IT ON Google Play

OR

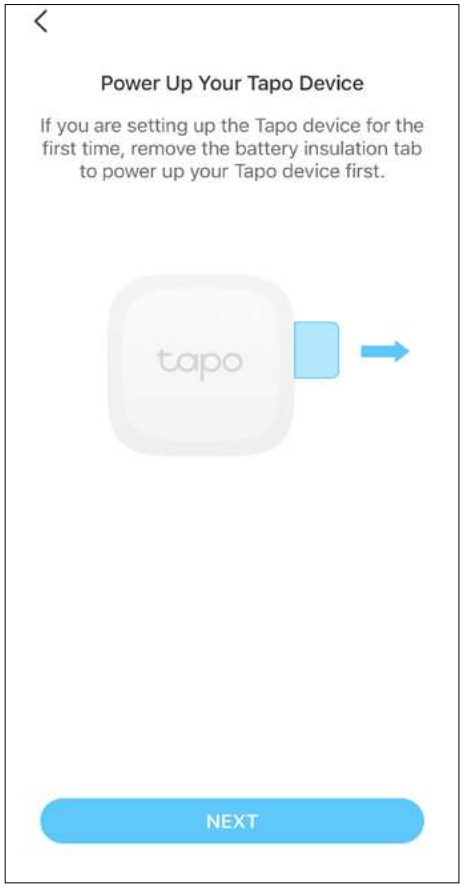
1. Set Up Your Sensor

Tap the ⊕ button in the Tapo app, tap Sensors, and select your model.



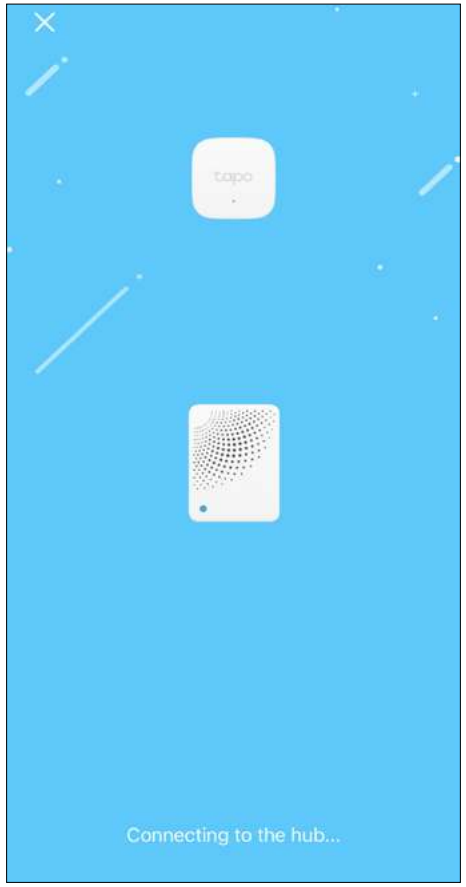
2. Power Up & Check LED

Remove the battery insulation tab to power up your sensor. The LED should blink.



3. Complete Setup

Follow the app instructions to pair with the hub and set up your sensor.

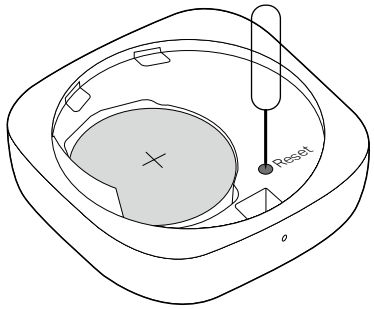


4. Test Your Sensor

Take your sensor to the preferred location.

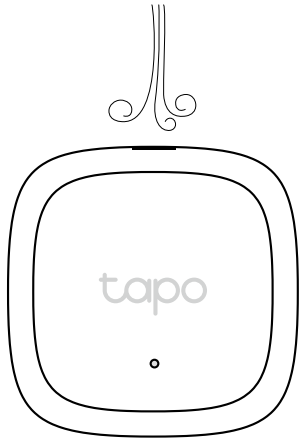
Option 1

Single press the Reset button. Your hub should make a voice prompt.



Option 2

Blow on the sensor detector. The temperature and humidity displayed on the Tapo app should change.



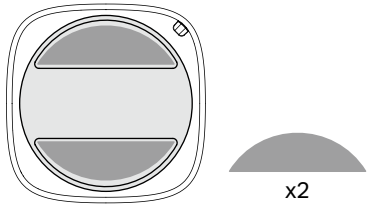
5. Place Your Sensor

Option 1: Hang with the Lanyard

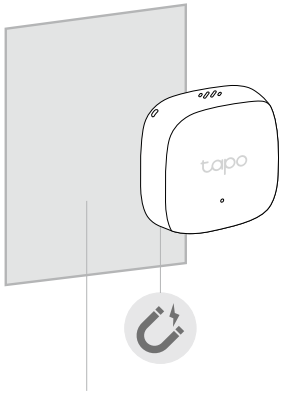


Option 2: Use Adhesive Magnets

a. Stick the included adhesive magnets to the back panel.

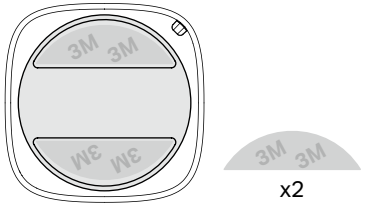


b. Magnetically attach the sensor to metallic surfaces.

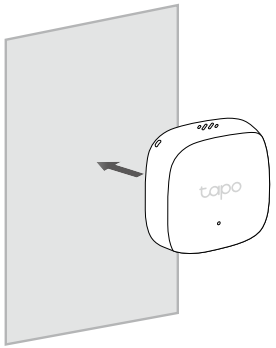


Option 3: Use 3M Adhesives

a. Stick the included 3M adhesives to the back panel.



b. Stick the sensor to your preferred location.

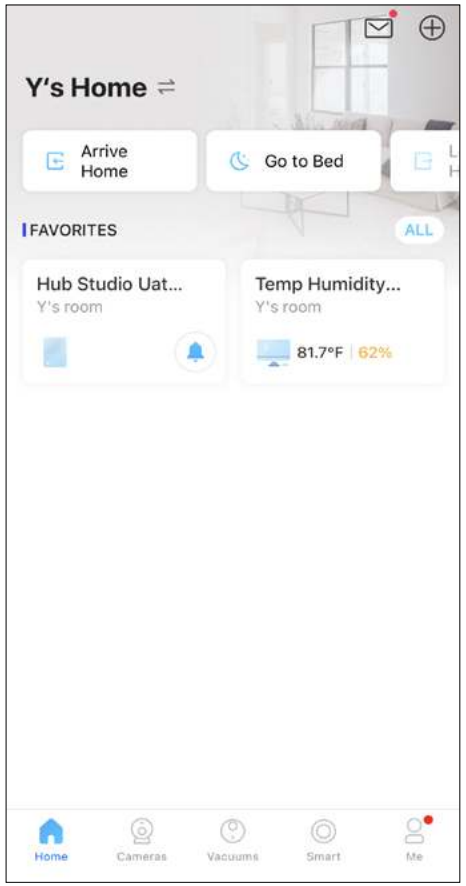


Use Your Smart Sensor

After you successfully set up your hub and sensor, you will see your devices listed on the home page. With the Tapo app, you can view and manage your devices and get instant notifications anytime, anywhere.

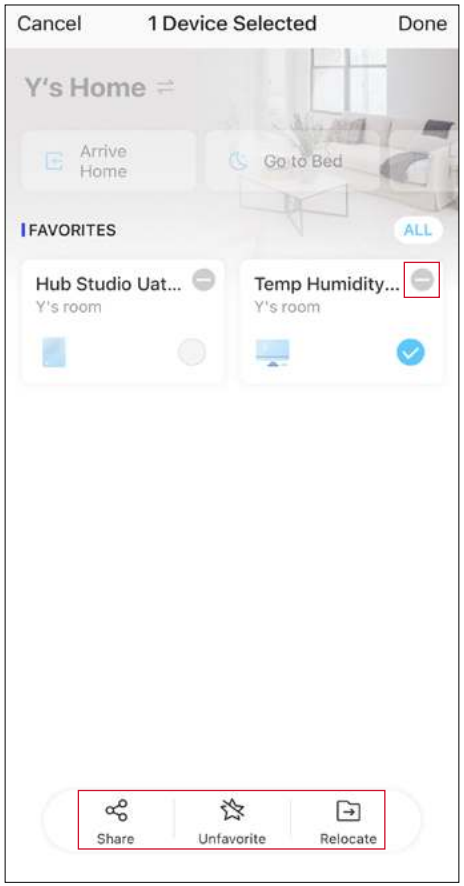
Home Page

This page lists all the devices you've added and you can view them directly and manage them easily. Tap the card to enter its Status page.



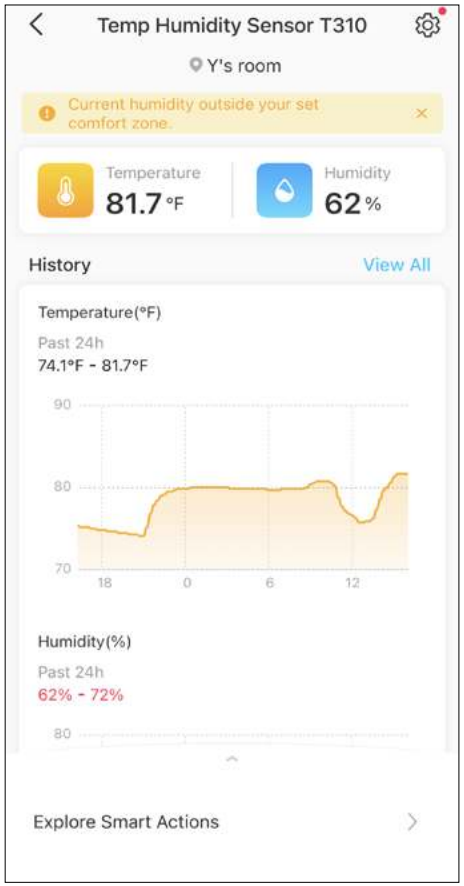
Home Page Settings

Long press on a card, then you can reorder cards, tap ⊖ to remove your device from your account, share your device, favorite/unfavorite device, or relocate your device to other Home.



Status Page

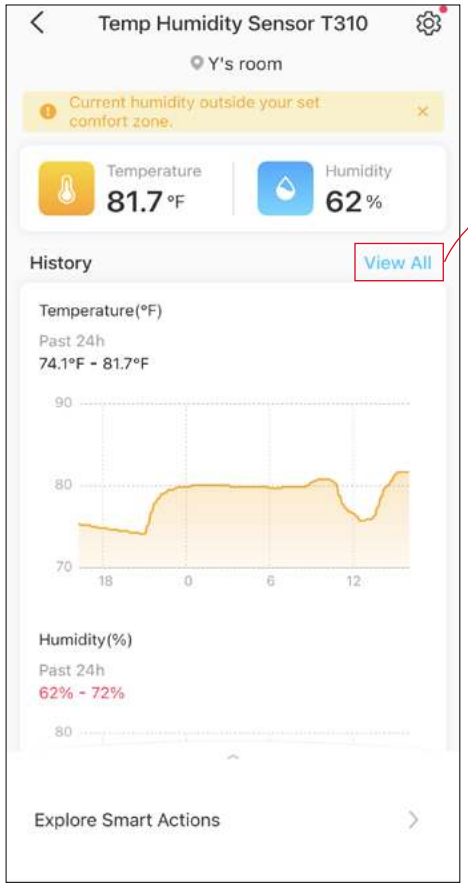
You can check the temperature/humidity data. Slide the panel up to check more settings or tap the gear icon to enter the Settings page.



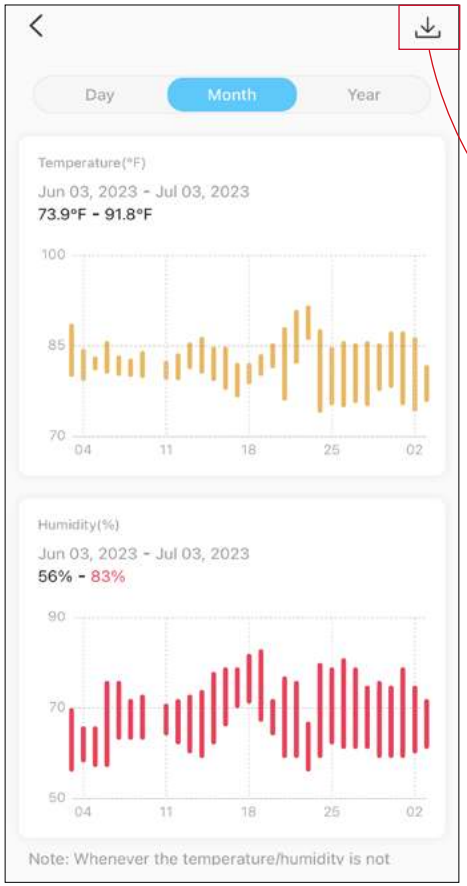
View/Export Temperature & Humidity Data

1. On the Status page, tap View All to check all temperature and humudity data.

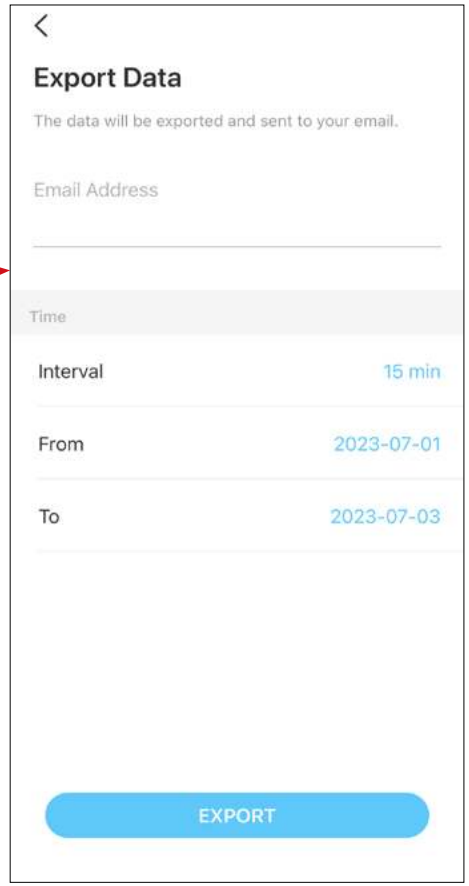
Note: Whenever the temperature/humidity is not within your set range, the curve will be marked red.



2. Tap the Export icon on the top right corner.

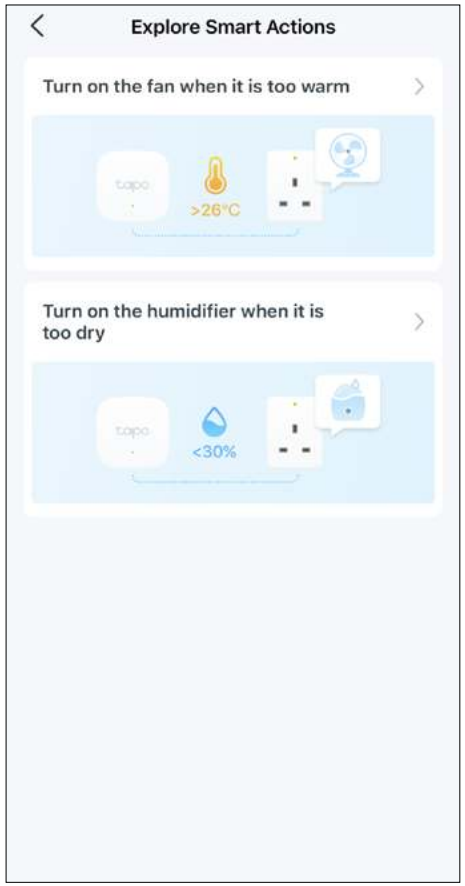


3. Enter the email address you want to receive the report. Choose the date and set the interval, tap EXPORT, then the data will be sent to your email.



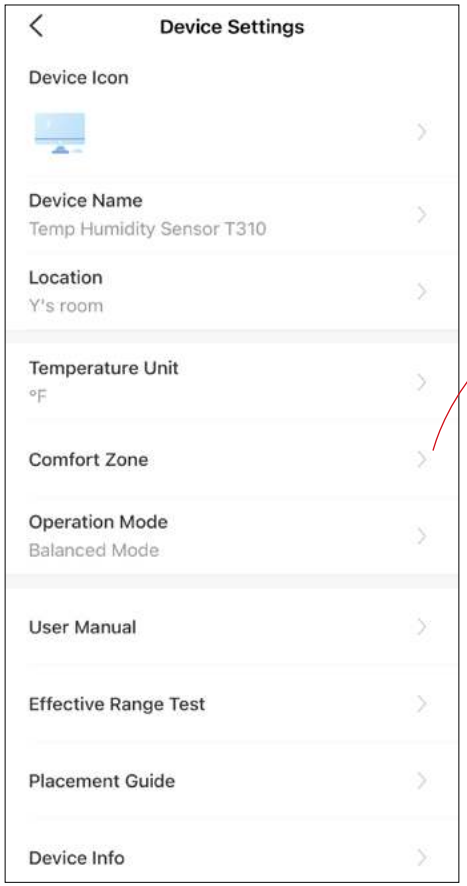
Featured Smart Actions

The sensor can work with other Tapo devices to automate your home. You can customize smart actions based on the templates.



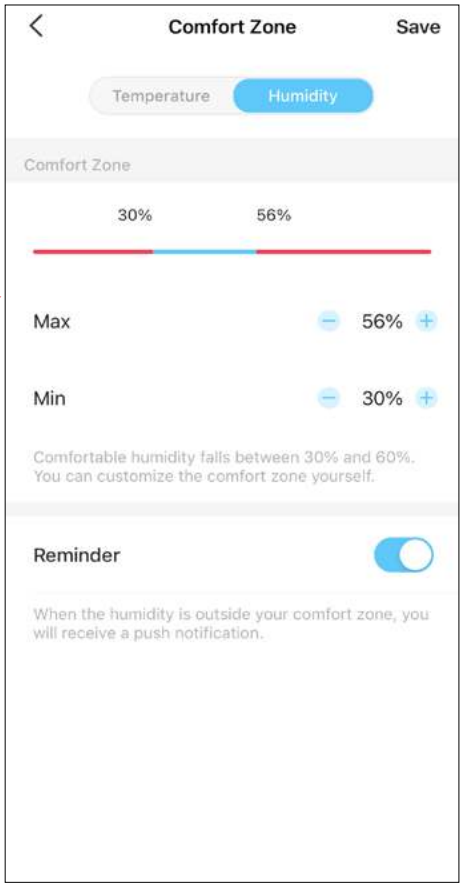
Device Settings

Check/edit the basic info, set Comfort Zone, view User Manual and Placement Guide, or remove your device from your account.



Comfort Zone

Customize the comfort zone and turn on Reminder, then you can get instant notifications when temperature or humidity levels fall outside your customized ranges.



How to Reset Your Smart Sensor

Option 1. Via the Button

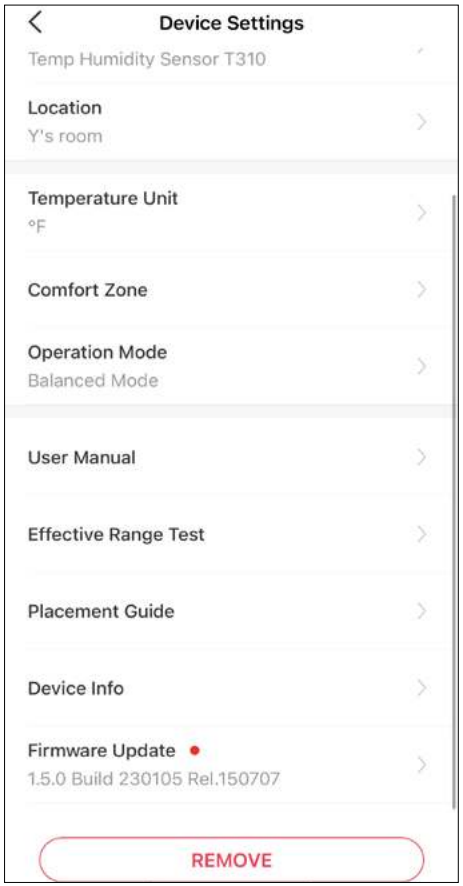
1. Use a pin to press and remove the cover.

2. Use a pin to press and hold the Reset button for at least 5 seconds until the front LED starts blinking.

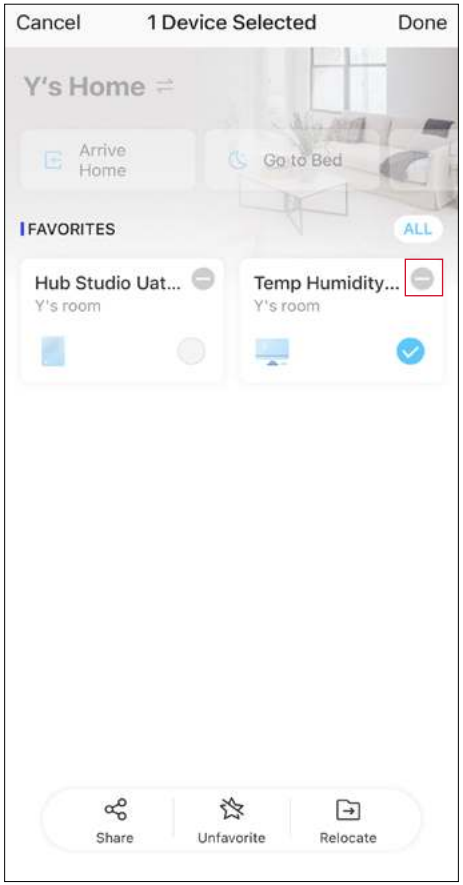


Option 2. Via the Tapo App

Long press the card on the home page and tap ⊖ or go to the Device Settings page and tap the Remove button to remove your sensor from your account.

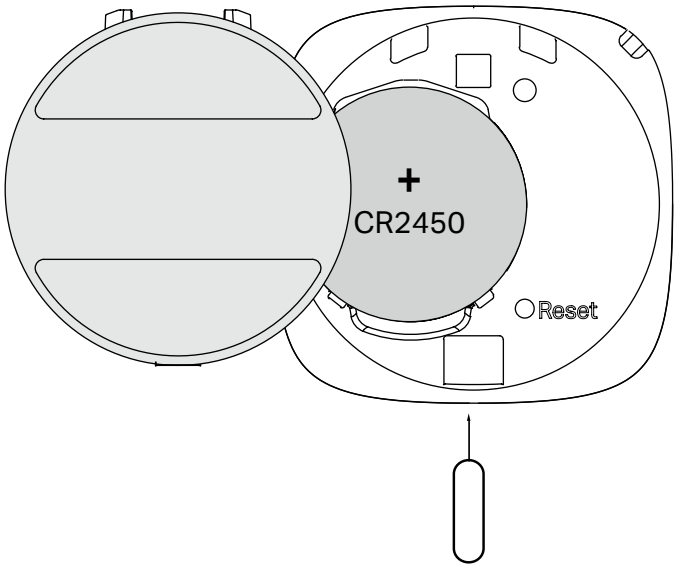


OR



How to Replace Battery

1. Use a pin to press and remove the cover.
2. Replace the battery with a fresh cell (battery model: CR2450).
3. Put the cover back.



Authentication

FCC Compliance Information Statement



Product Name: Tapo Smart Temperature & Humidity Sensor
Model Number: Tapo T310

Responsible party:

TP-Link USA Corporation

Address: 10 Mauchly, Irvine, CA 92618

Website: http://www.tp-link.com/us/

Tel: +1 626 333 0234

Fax: +1 909 527 6804

E-mail: sales.usa@tp-link.com

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.

2. This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

"To comply with FCC RF exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter."

We, **TP-Link USA Corporation**, has determined that the equipment shown as above has been shown to comply with the applicable technical standards, FCC part 15. There is no unauthorized change is made in the equipment and the equipment is properly maintained and operated.

Issue Date: 2023.07.05

CE Mark Warning

CE

This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

Operating Frequency / Nominal Operating Frequency / Max Output Power:

863~865MHz / 863.35MHz / 25mW (e.r.p)

863~865MHz / 864.35MHz / 25mW (e.r.p)

868~868.6MHz / 868.35MHz / 25mW (e.r.p)

EU declaration of conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU, 2009/125/EC, 2011 /65/EU and (EU) 2015/863.

The original EU declaration of conformity may be found at https://www.tapo.com/en/support/ce/

RF Exposure Information

This device meets the EU requirements (2014/53/EU Article 3.1a) on the limitation of exposure of the general public to electromagnetic fields by way of health protection.

The device complies with RF specifications when the device used at 20 cm from your body.

Restricted to indoor use.

UKCA Mark

UK
CA

UK Declaration of Conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Regulations 2017.

The original UK declaration of conformity may be found at https://www.tapo.com/support/ukca/

Korea Warning Statements:

당해 무선설비는 운용중 전파혼신 가능성이 있음.



NCC Notice

注意！

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前述合法通信，指依電信管理法規定作業之無線電通信。

低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

Продукт сертифіковано згідно с правилами системи УкрСЕПРО на відповідність вимогам нормативних документів та вимогам, що передбачені чинними законодавчими актами України.

Safety Information

- Keep the device away from water, fire, humidity or hot environments.
- Do not attempt to disassemble, repair, or modify the device. If you need service, please contact us.
- Do not use the device where wireless devices are not allowed.
- Please read and follow the above safety information when operating the device. We cannot guarantee that no accidents or damage will occur due to improper use of the device. Please use this product with care and operate at your own risk.

• Do not ingest battery, Chemical Burn Hazard

CAUTION!

Risk of explosion if the battery is replaced by an incorrect type

CAUTION!

Avoid replacement of a battery with an incorrect type that can defeat a safeguard.

Avoid disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.

Do not leave a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas. Do not leave a battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

CAUTION: Do not ingest battery, Chemical Burn Hazard

This product contains a coin / button cell battery. If the coin / button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.

Keep new and used batteries away from children.

If the battery compartment does not close securely, stop using the product and keep it away from children.

If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

Warnings

Operating Temperature: 0 ºC– 50 ºC (32°F–122°F)

Operating Humidity: 10%–90%RH, Non-condensing

Handling Instructions for Battery

Please read and follow the handling instructions for the battery before use. Improper use of the battery may cause heat, fire explosion, damage or capacity deterioration of the battery.

• Do not place or leave the battery and equipment in the reach of infants so that they are not able to swallow or mistreat the battery by mistake.

In case of ingestion, consult with a doctor immediately.

• Do not let leaked electrolyte come into contact with eyes or skin.

In such a case, immediately wash the area of contact with clean water and seek help from a doctor.

If not treated soon, prolonged contact may cause serious injury.

• Do not put the battery into a fire. Do not use it or leave it in a place near fire, heaters, or high temperature sources.

In such a case, the insulator in the battery may be melted, the safety vent and structure may be damaged, or the electrolyte may catch fire, all of which may cause heat generation, explosion, or fire.

• Do not submerge the battery in water, or wet the battery.

• Do not use or leave the battery near fire or in a car under the blazing sun. Such a high temperature may cause damage of the protecting device in the battery, which may result in an abnormal reaction, and then heat generation, explosion, or fire.

• Do not connect the battery reversed in positive (+) and negative (-) terminals in the equipment.

• Do not let the battery terminals (+ and -) contact a wire or any metal (like a metal necklace or a hairpin) with which it carried or stored together.

In such a case, the battery will be shorted and cause an excessive current, which may result in heat generation, explosion, or fire.

• Do not connect the battery directly to an electric outlet or cigarette heater socket in car.

With a high voltage applied, the battery may overheat, explode, or cause fire.

• Do not throw or drop the battery.

Strong impact may damage the protecting device, which may cause an abnormal chemical reaction during charging and result in heat generation, explosion, or fire of the battery.

• Do not drive a nail in, hit with a hammer, or stamp on the battery.

In such a case, the battery may be deformed and shorted, which may cause heat generation, explosion, or fire of the battery.

• Do not solder the battery directly.

Heat applied during soldering may damage the insulator of the safety vent and mechanism, which may result in heat generation, explosion, or fire of the battery.

The battery employs a safety mechanism and a protecting device in order to avoid any danger.

If these are damaged, heat, explosion or fire may be caused.

CAUTION

• Do not put the battery in a microwave or a pressure cooker.

Sudden heat may damage the seal of the battery and may cause heat generation, explosion, or fire of the battery.

• Do not use the battery with other maker's batteries, different types and / or models of batteries such as dry batteries, nickel-metal hydride batteries, or nickel-cadmium batteries.

• Do not leave the battery in a equipment if it generates an odor and /or heat, changes color and / or shape, leaks electrolyte, or causes any other abnormality.

• Do not use the battery in the place where the static electricity (more than the limit of the manufacturer's guarantee) occurs. Otherwise, the protecting device in the battery might be damaged and cause heat generation, explosion, or fire.

• Do not use the battery in other than the operating conditions; otherwise, the battery might cause heat generation, damage, or deterioration of its performance.

Please read and follow the above safety information when operating the device. We cannot guarantee that no accidents or damage will occur due to improper use of the device. Please use this product with care and operate at your own risk.

Explanation of the symbols on the product label

Symbols may vary from products

Symbol	Explanation
	Class II equipment
	Class II equipment with functional earthing
	Alternating current

Symbol	Explanation
	DC voltage
	Polarity of output terminals
	Indoor use only
	Dangerous voltage
	Caution, risk of electric shock
	Energy efficiency Marking
	Protective earth
	Earth
	Frame or chassis
	Functional earthing
	Caution, hot surface
	Caution

Symbol	Explanation
	Operator's manual
	Stand-by
	"ON"/"OFF" (push-push)
	Fuse
	Fuse is used in neutral N
	RECYCLING This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment. User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.
	Caution, avoid listening at high volume levels for long periods
	Disconnection, all power plugs
m	Switch of mini-gap construction
µ	Switch of micro-gap construction (for US version) Switch of micro-gap / micro-disconnection construction (for other versions except US)

Symbol	Explanation
ε	Switch without contact gap (Semiconductor switching device)