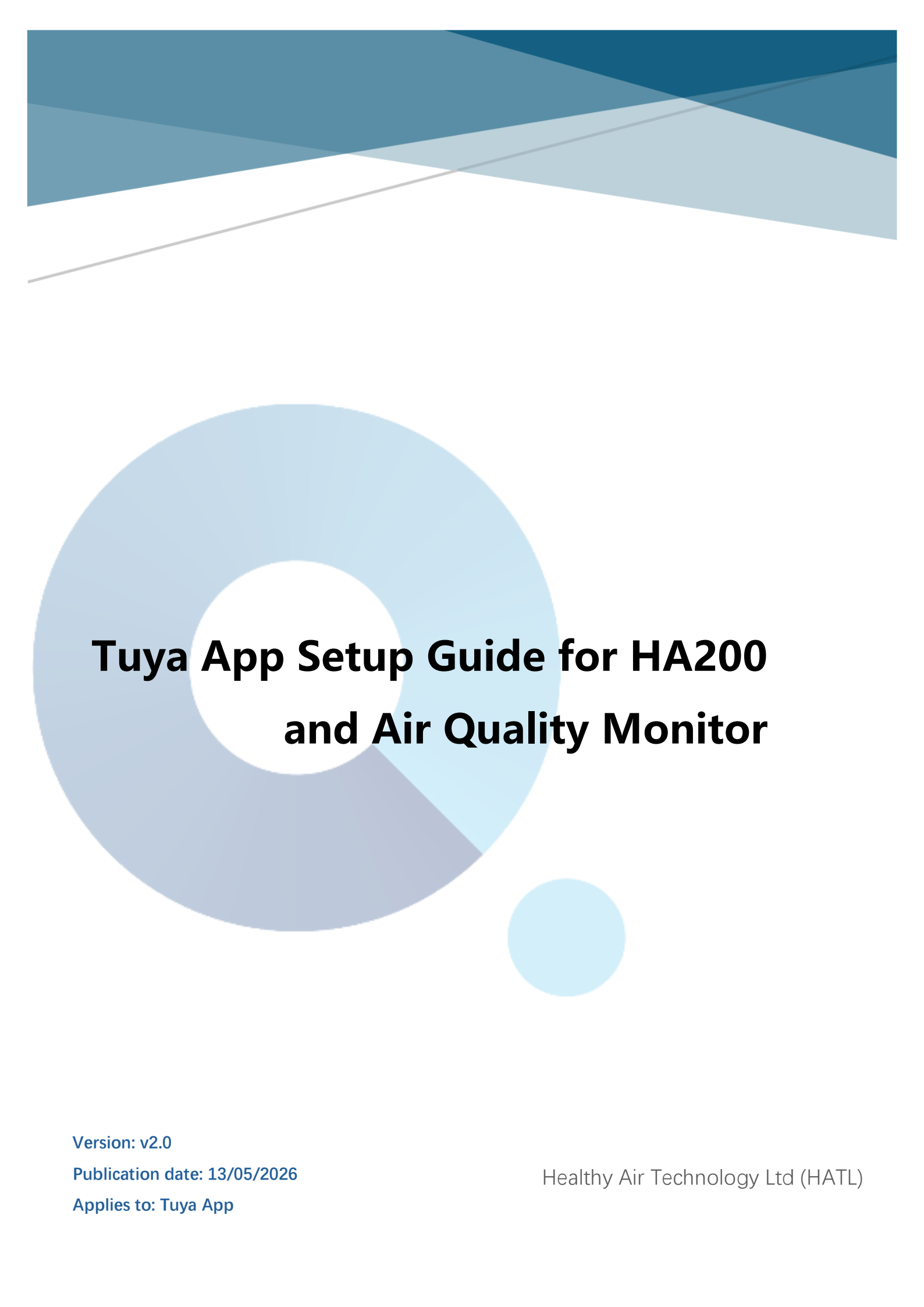




Tuya App Setup Guide for HA200 and Air Quality Monitor

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Applies to: Tuya App

Healthy Air Technology Ltd (HATL)



Overview

Healthy Air Technology Ltd (HATL) focuses on healthy indoor air, intelligent air purification, and building environment optimisation solutions. This guide is applicable to residential energy retrofit projects, indoor air quality improvement in existing buildings, social housing and local authority retrofit programmes, owner-occupied home upgrades, and low-disruption installation scenarios carried out by retrofit coordinators and contractors.

The core purpose of the guide is to help buildings improve airtightness and energy performance while avoiding the accumulation of CO₂, PM2.5, TVOCs, mould, bacteria, and other pollutants caused by insufficient ventilation. By integrating the HA200 Fresh Air Unit with HA500/HA800 air purification devices, HATL provides a modular system that introduces filtered outdoor air on demand when CO₂ levels rise, while continuously purifying indoor air through smart, data-driven control.

Rather than serving as an instruction manual for a single device, this guide presents an integrated indoor air quality retrofit solution for existing buildings. It aims to achieve a better balance between health, comfort, energy consumption, and ease of installation, while providing users with a healthier, more efficient, and easier-to-maintain indoor environment through low-disruption retrofit methods, low operating energy demand, and measurable performance validation.



HA200 + Air Quality Monitor (Tuya App Setup Overview)

What this guide covers

This guide explains how to:

- Add the **HA200** and the **Air Quality Monitor** to the **Tuya app**
- Link them using an **Automation** rule (IF / THEN)
- Test that the system responds correctly

(This guide is for app setup and automation only. Installation is not covered.)

Purpose of this integrated solution

The purpose of this solution is to demonstrate how different HATL air treatment devices can work together as a coordinated system through **data, control logic, and smart interconnection**.

This is an **AIoT-based environmental sensing and smart air purification** approach: devices share data and respond automatically using app-based rules.

System components

- **Air Quality Monitor**: provides unified monitoring data (e.g., **CO₂**, **PM2.5**, **temperature**, **humidity**)
- **HA200**: can automatically link with the monitor to **introduce filtered outdoor fresh air** and help improve **indoor ventilation** (based on the control rules you set)

How the system works

1. The monitor measures indoor air quality in real time
2. A Tuya **Automation** checks a trigger condition (IF)
3. The app sends a command to the HA200 (THEN)
4. Devices work together through **unified monitoring data and control rules**

Example control logic (example only)

- **IF** CO₂ is above a set level (e.g., 1200 ppm)
THEN turn HA200 **ON**
- **IF** CO₂ returns below a set level (e.g., 900 ppm)
THEN set HA200 to **low / standby** (optional)

(Use thresholds that match your site requirements.)

Alternative configuration note

In some projects, the **HA500+ or HA800+** can provide air quality sensing and control functions. If used, a separate air quality monitor may not be required.

Future expansion

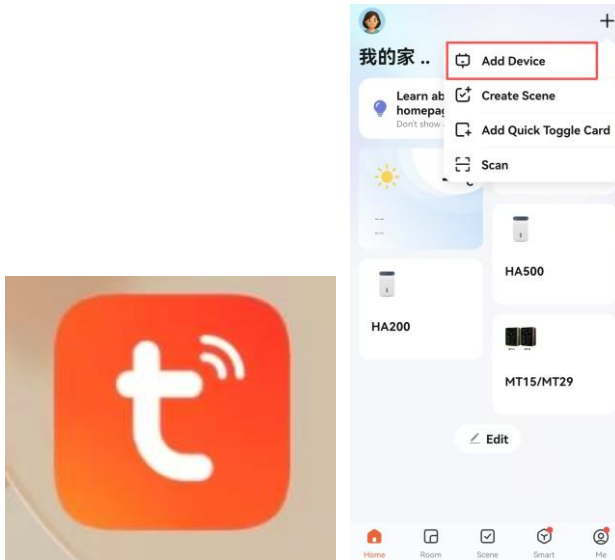
In the future, this logic can be extended to more device combinations, such as:

- Multiple air purifiers
- Multi-zone air quality monitors
- Fresh air units
- Building management systems (BMS)
- Digital twin platforms

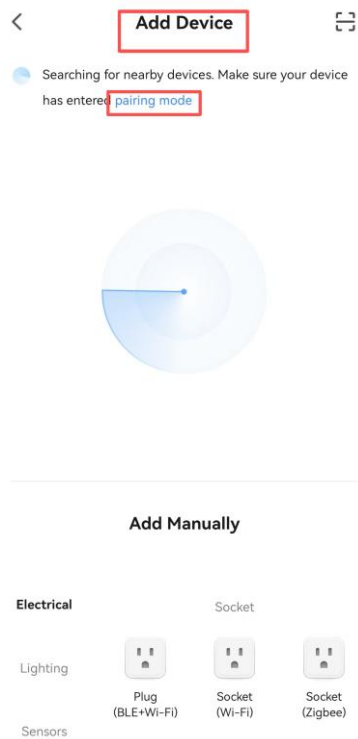
This can form a more flexible and intelligent **indoor air quality management** solution.

1、HA200 Connection Process

- ① Download and open the Tuya App. After logging in, tap “Add Device” in the upper-right corner of the home page.

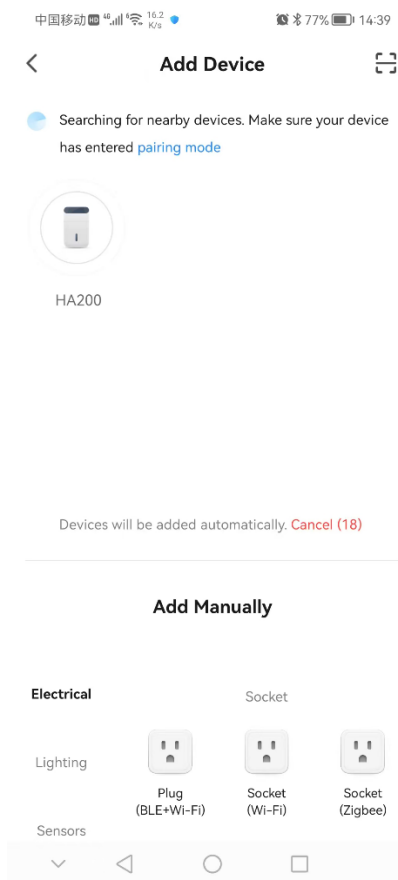


- ② After tapping it, you will enter the device connection waiting page. The device must be in pairing mode before it can be connected.





- ③ Press the power button on the HA200 to turn it on. After the device is powered on, press and hold the fan speed button for 5 seconds until you hear a “beep” . This indicates that the device has entered pairing mode. At this point, the HA200 device will appear on the Tuya App screen.



SSS



- ④ Tap the HA200 device shown on the Add Device screen and enter the Wi-Fi name and password for the same Wi-Fi network.

Enter Wi-Fi Information

Choose Wi-Fi and enter password

Wi-Fi: HATL [Select Wi-Fi](#)

Password: ••••••••

Next

- ⑤ Wait for the Tuya App to complete the connection. Once added successfully, the HA200 will appear on the Tuya App home page.

中国移动 5.3 K/s 77% 14:39

✕ Add Device

1 device(s) being added

HA200
Being added

✕ Add Device

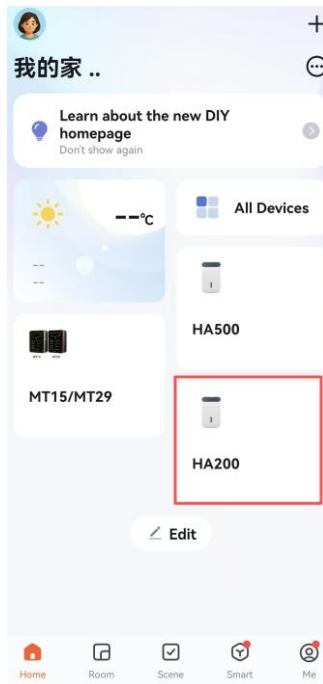
1 device(s) added successfully

HA200
Added successfully

0 device(s) being added

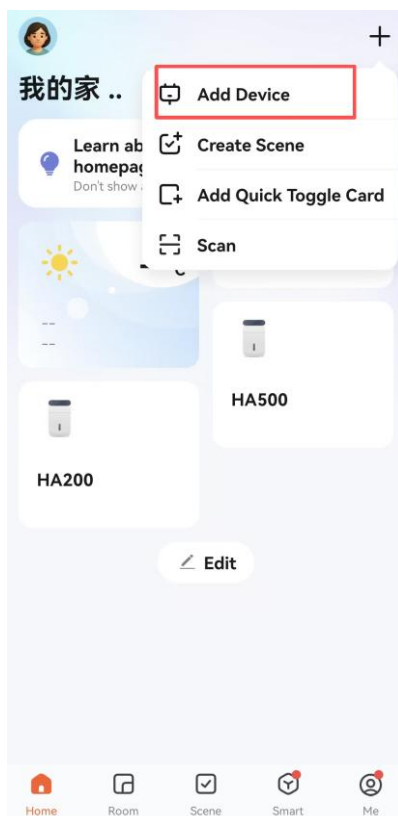
Done

Done



2、Air Quality Monitor Connection Process

- ① The connection process for the air quality monitor is the same as above. Tap “Add Device” in the upper-right corner.

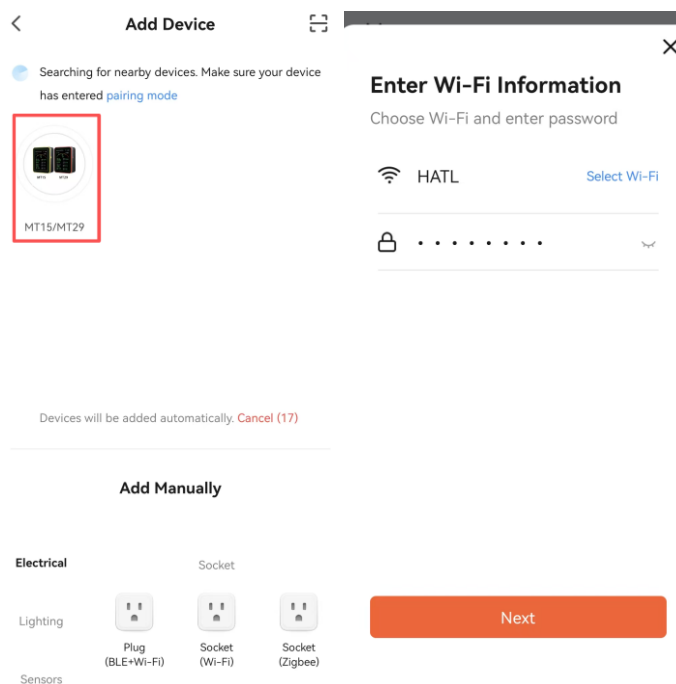




- ② Turn on the air quality monitor, then press the power button five times consecutively. When the flashing Wi-Fi icon appears on the screen, it means the monitor has entered pairing mode.

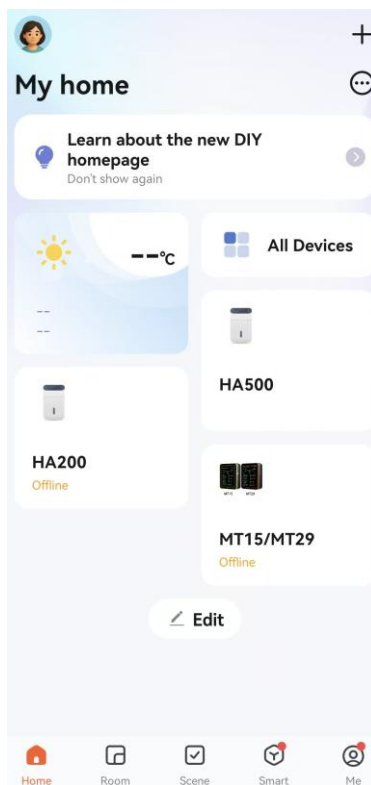
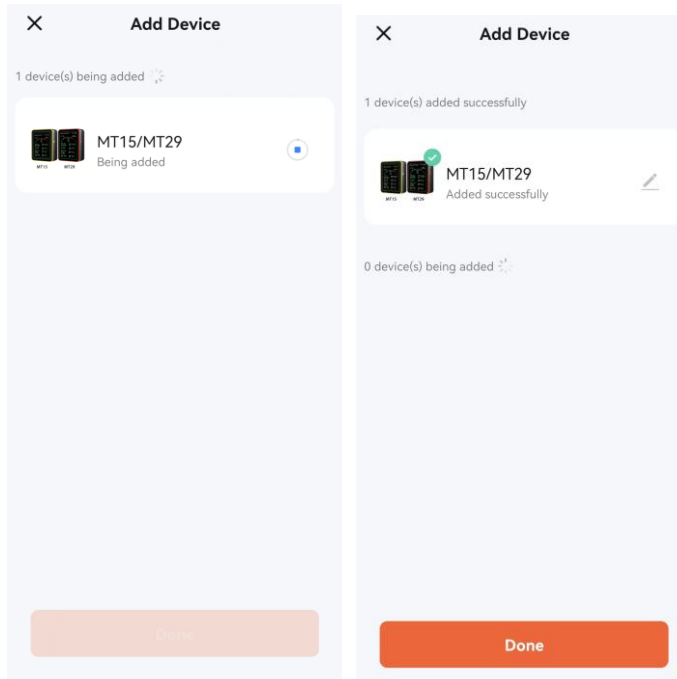


- ③ As above, the air quality monitor icon will appear in the Tuya App. Tap it, then enter the Wi-Fi name and password for the same Wi-Fi network.



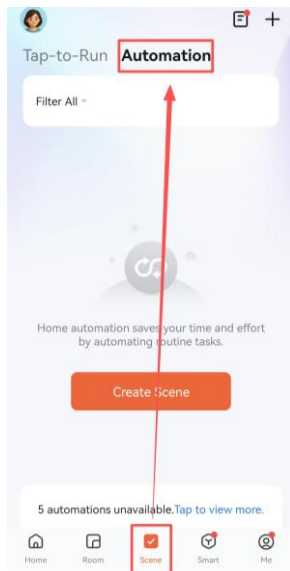


- ④ Wait for the Tuya App to complete the connection. Once added successfully, the air quality monitor will appear on the Tuya App home page.

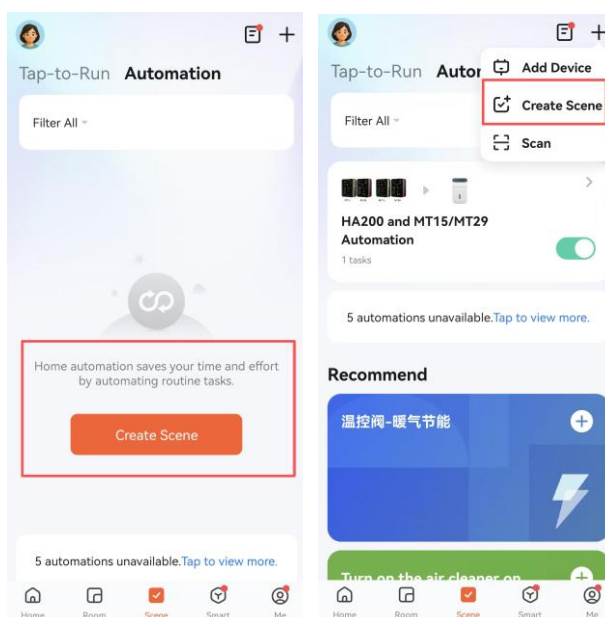


3、 Create an Automation (Monitor → HA200) Process Between the Two Devices in the Tuya App

- ① Tap the “Scene” icon in the bottom navigation bar of the Tuya App, then tap “Automation” .

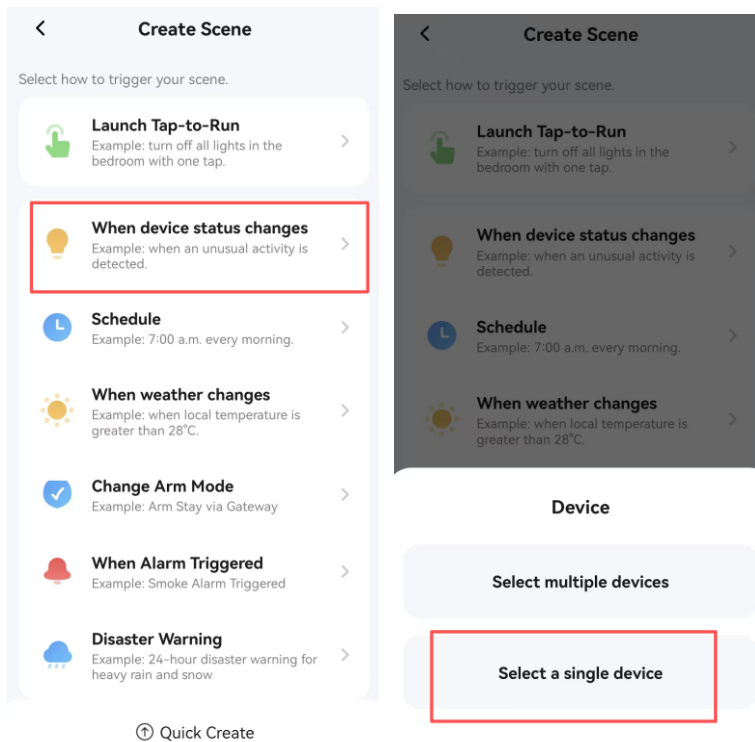


- ② If no scene has been created, tap “Create Scene” in the center of the screen. If scenes already exist, tap the plus sign in the upper-right corner and select “Create Scene” from the drop-down menu.

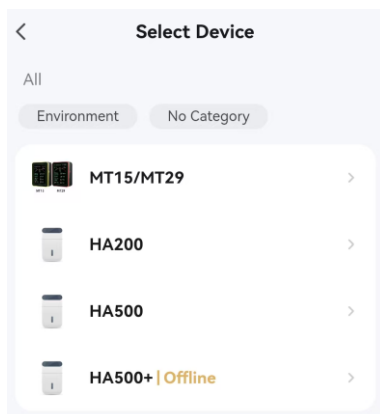


- ③ On the Create Scene page, select “When device status changes” .

This section is used to set the trigger condition for the device. Since this automation links the air quality monitor with the HA200, this guide uses “Select a single device” as the example.



- ④ After selecting a single device, choose the device from the pop-up page. Here, select the air quality monitor icon labelled “MT15/MT29” .





- ⑤ After tapping it, you can select the trigger conditions for changes in device status. In this example, select AQI and CO2, and set the conditions as AQI: Lightly Polluted and CO2: greater than 1200 ppm. Example only. These conditions are used to demonstrate how device status changes can be set as triggers. Please choose thresholds suitable for your site and own requirements.

After selecting the conditions, tap "Confirm" .

The image displays two side-by-side screenshots from the HATL Air Twin application.

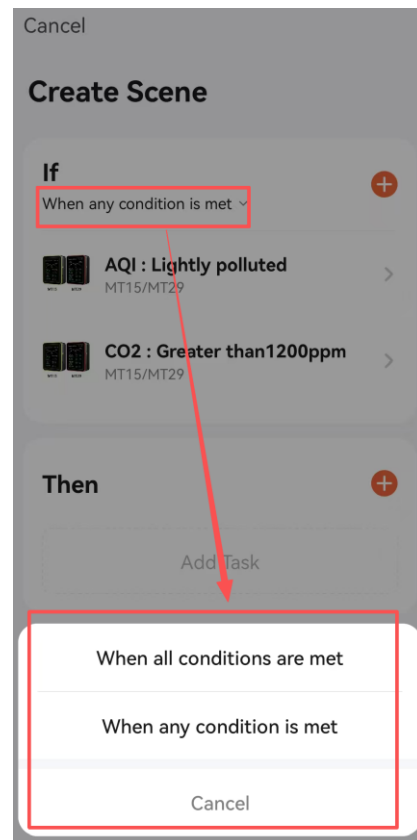
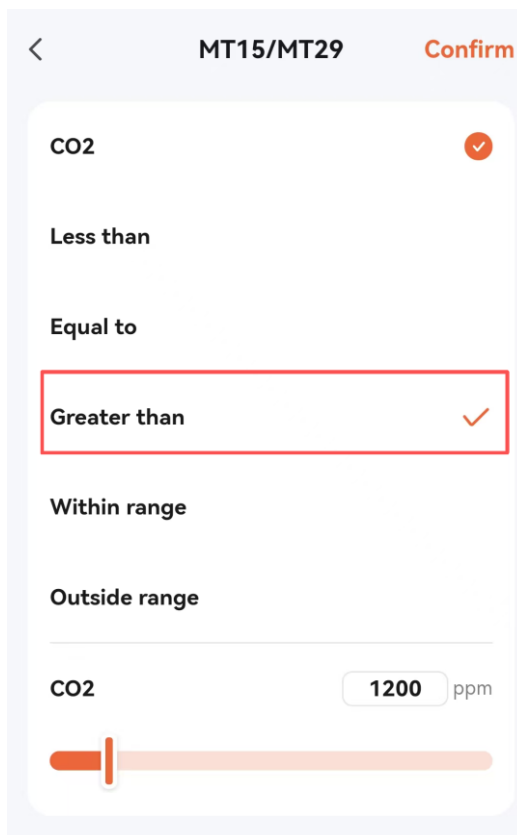
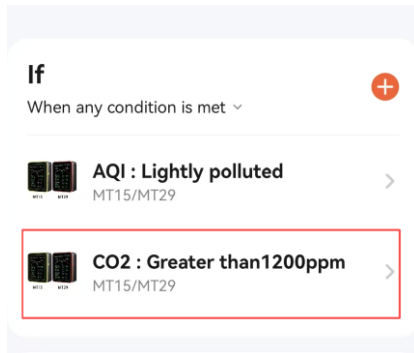
The left screenshot shows a configuration screen for a device named "MT15/MT29". It has a back arrow, the device name, and a "Confirm" button. The screen is divided into two sections: "AQI" and "CO2". Under "AQI", the options are "Excellent", "Good", and "Lightly polluted", with "Lightly polluted" selected (indicated by a checkmark). Under "CO2", the options are "Less than", "Equal to", "Greater than", "Within range", and "Outside range", with "Greater than" selected (indicated by a checkmark). At the bottom, there is a text input field for "CO2" with the value "1200" and the unit "ppm".

The right screenshot shows the "Create Scene" screen. It has a "Cancel" button at the top. The title is "Create Scene". Below the title, there is a section labeled "If" with a plus icon and the text "When any condition is met". This section contains two conditions: "AQI : Lightly polluted" and "CO2 : Greater than1200ppm", both with a right arrow icon. Below this is a section labeled "Then" with a plus icon and a dashed box containing the text "Add Task". At the bottom, there is a "Validity Scope" section with the text "All day" and a right arrow icon, and a "Display Area" section with a right arrow icon. A large orange "Save" button is at the very bottom.

- ⑥ After confirming the scene, you can tap each individual condition to modify its data settings. You can also tap "When any condition is



met” under the “If” section to change the trigger condition logic.



- ⑦ After editing the device trigger conditions, tap the plus sign in the execution section and select the device that you want to automatically execute the rule. Here, select HA200, and choose “Power On” as the trigger action. Please configure the actual action according to your own needs.



Cancel

Create Scene

If
When any condition is met

- AQI : Lightly polluted
MT15/MT29
- CO2 : Greater than 1200ppm
MT15/MT29

Then

Add Task

Validity Scope All day

Display Area

Save

HA200

Confirm

Switch

ON

OFF

Mode

Speed

- ⑧ The default effective period of the rule is all day. You can modify this as needed. After editing, tap "Save", enter a memorable scene name, eg., HA200 ON – CO₂ > 1200, and then enable the automation scene.

Cancel

Create Scene

If
When any condition is met

- AQI : Lightly polluted
MT15/MT29
- CO2 : Greater than 1200ppm
MT15/MT29

Then

Switch : ON
HA200

Validity Scope All day

Save

Scene Name

HA200 ON - CO₂ > 1200

Cancel Confirm

Switch : ON
HA200 | Offline

Validity Scope All day

Save



HATL Air Twin

