



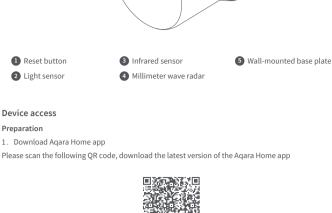
The Presence Multi-Sensor FP300 is a battery-powered human presence sensor that combines millimeter-wave radar, infrared detection, and Aqara's AI algorithms to accurately detect occupancy—even when occupants remain still, overcoming the limitations of traditional PIR sensors. With spatial self-learning and adaptive sensitivity, it intelligently adjusts to its environment while also monitoring temperature, humidity, and ambient light. Supporting both Thread and Zigbee protocols, $it\,seamlessly\,integrates\,with\,the\,Aqara\,Home\,ecosystem\,or\,any\,Matter-compatible\,platform\,for\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,Home\,ecosystem\,or\,Aqara\,H$

versatile smart home control. Note: *When joining the Matter ecosystem, a Thread Border Router and a Matter Controller for the Matter ecosystem are required. *When added to the Aqara ecosystem, this device requires the Aqara Home app and an Aqara hub supporting Zigbee or Matter protocol for operation. * Some specific features are only available in the Aqara Home app.

Product Introduction

5

8



Device access

starts flashing, then release it to enter the device pairing mode.

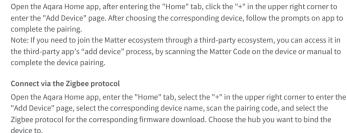
- Preparation 1. Download Agara Home app

Remove the insulation tab, power on the device, then enter the network pairing mode, the LED $\,$ indicator will light start flashing blue slowly. If the network pairing times out, press and hold the reset button for 5 seconds until the LED indicator

2. Connect the device

out firmly. If difficulty occurs, you may open the battery cover for extraction

To ensure the device's airtightness, the gaps are designed to be narrow. When removing the insulating tab, please pull it



device firmware in the settings page to the latest version before using it.

mode, during the device pairing process, tap Switch Protocol and select the desired protocol, follow the app's instructions to complete the setup. Notice: switching protocols is equivalent to restoring factory settings, which will clear all device

Firmware Upgrade

settings and data

Equipment Installation

Connect via Matter (Thread protocol)

location based on the desired detection area and adjust the installation angle and device tilt to fine-tune coverage. The device supports installation via adhesive, magnetic mounting, expansion screws, etc. (screws must be used if installed at a height over 2 meters). **Installation Recommendations**

Install the device on a wall, corner, or ceiling using adhesive or magnetic mounting based on your actual detection needs. Make sure the front of the device faces the area you want to monitor, and

detection coverage in both standing and seated positions. If installing at a different height, you can

The device can be installed anywhere detection is needed, supporting multiple installation methods such as wall mounting, desktop placement or ceiling installation. Users can choose an appropriate

To ensure the best experience, please add the device in the Aqara Home app first, then update the

If you want to switch protocols, you can do so in the Agara Home app. First, remove the device from the app, then long press the device reset button for 5 seconds to reset the device and enter pairing

2. If you need to cover a larger detection range, it is recommended to install the device at a height of about 2 meters, with the device slightly tilted downward to cover the required area of monitoring. 3. For side installation on a wall or in a corner, a recommended height is 1.4-1.8 meters, to ensure

A.Adhesive installation

B. Magnetic installation

adjust the angle accordingly.

facing the centerline of the corner. This helps minimize FOV blind zones on both sides of the radar during long-range detection. The base features an eccentrically designed universal joint, allowing adjustment of the mounting angle by rotating the base to achieve greater tilt range for the device. 5. When installing, please try to avoid facing large areas of metal, glass and other strongly reflective surfaces or installing it next to air conditioner outlets, air purifiers, and fans.

6. When the installation height is less than 2 meters, it can be installed with adhesive and magnetic

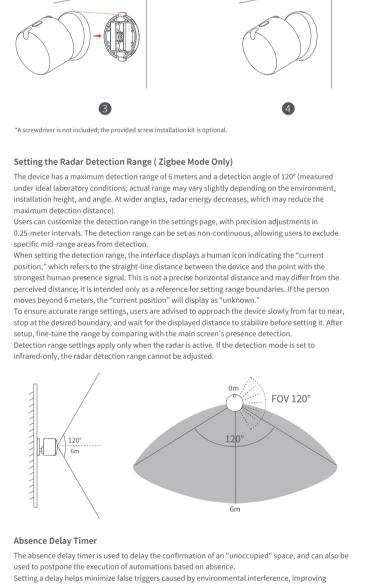
4. To avoid detection blind spots, it's recommended to install the device in a corner with the front

adjust the bracket's tilt angle as needed to cover the main activity area.

mounting. Above 2 meters requires fixing screws.

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- Screw installation 7



accuracy. A shorter delay means the device reports absence more quickly, but may be more susceptible to disturbances in complex environments. In most cases, it's recommended to use the

the automation will trigger 10 seconds after that—resulting in a total delay of 15 seconds.

Note: If both an absence delay timer and an automation condition delay are set, the total delay time

For example: If the no-presence delay is set to 5 seconds and the automation is configured to "turn off the light after 10 seconds of no presence," the device will report "no presence" within 5 seconds, and

AI Spatial Learning intelligently analyzes the environment to filter out interference from large glass surfaces, metal objects, mirrors, and other reflective materials. This enhances detection accuracy by

It is recommended to perform a manual AI spatial learning session after the device is installed. During this process, the space should remain unoccupied for about 30 seconds—please be patient. Once set up, manual activation is no longer necessary. The device will continuously learn and adapt

If you notice the device mistakenly detecting presence due to environmental interference and failing to return to an unoccupied state, you can manually trigger AI spatial learning again to quickly

Note: In Matter mode, the device will automatically perform AI spatial learning without requiring

Users can go to the APP's "Automation" interface and click the "+" in the upper right corner to add

Automation conditions Presence detected No presence detected

Infrared motion detected (Not available in radar-only mode) No infrared motion detected (Not available in radar-only mode) No Infrared Motion Detected for a Certain Duration (Not available in radar-only mode) Illumination rises to Illumination drops to

> Above the specified light level Below the specified light level The temperature rises to The temperature drops to

Above the specified temperature Below the specified temperature Humidity rises to Humidity drops to

Above the specified humidity Below the specified humidity

default value.

is the sum of both.

recalibrate the space.

Configuring Automations

automations related to the device. Automation conditions

Classification

Presence-Related Automations

Lighting related automations

Temperature related automations

Humidity related automations

detected and the temperature exceeds a set threshold

to exclude unnecessary areas and improve accuracy.

More use tips.

movements like breathing.

Battery Replacement

A

manual input.

AI Spatial Learning (Zigbee Mode Only)

adapting to environmental disturbances

Presence detected for a certain duration. No presence detected for a certain duration.

to environmental changes in real time, improving accuracy over time.

Recommended Automated Configurations Get Started in Under a Minute with The mended Automations 1.Turn on the lights when presence is detected 2.Turn off the lights or AC when no presence is detected for a certain duration

3. Turn on the lights when presence is detected and the illuminance is below a set level 4. Turn on the AC, set it to cooling mode, and adjust the temperature to 24°C when presence is

1.For best results, install the device facing the front of the human body to better detect subtle

duration" as the trigger condition in automation, rather than just "No presence." 4.If the device mistakenly detects presence when no one is around, use the AI Spatial Background Learning feature to quickly recalibrate and restore the unoccupied state (Zigbee mode only). 5.The device continuously improves its accuracy through AI interference recognition and real-time background learning, but for best performance, avoid installing it near AC vents, air purifiers, or 6.After installation, the device requires time to fully learn the spatial profile of the new environment. In cases of significant environmental interference, occasional false alerts may occur during initial $\,$ use. Allow the device to continue autonomous learning in an unoccupied space to normalize performance. For complex environments where detection performance remains unsatisfactory, try

adjusting the installation angle or position to mitigate major interference sources.

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6

2.The device has a detection range of up to 6 meters. Configure the range based on your actual needs

3. Detection from presence to absence is very fast. To enhance user experience and avoid frequent light switching, it's recommended to set a "Absence Delay Timer" or use "No presence for a certain

- 4
- a 8 9 *Screwdriver required (not included). Indicator Light Description Indicator status Device Status A single press will make the device's Blue light flashes once blue indicator flash once quickly Blue light flashes 3 times

Product Specifications Presence Multi-Sensor FP300

IC:22635-PSS04

Factory Reset Factory reset clears network settings and deletes all local and cloud data Ensure the device is powered on, then quickly press the reset button 10 times to enter factory reset

the indicator flashes rapidly—the device will reset and enter pairing mode.

Size: 42 × 42 × 50mm Working temperature: -10 ~ 55°C Operating humidity: 0 ~ 95% RH, non-condensing Power supply mode: CR2450×2

Reset the Device Resetting the device only clears network settings and puts it back into pairing mode; local data will not be deleted. Ensure the device is powered on, then press and hold the reset button for 5 seconds. Release it when

mode.

Wireless Protocol: Thread, Zigbee KC2: RC-LUt-PSS04 FCC ID-2AKIT-PSS04

Appears when powered on, rebooted, or reset to factory settings-indicates normal power supply. When the device is in pairing mode, you can add it to your network via the App. After 10 minutes of inactivity, the device will enter Blue light slowly flashes continuously sleep mode. To reconnect, you will need to manually re-trigger pairing mode. During device reset, the blue light flashes rapidly until the button is released within 3 seconds. The blue light flashes quickly and continuously During pairing, the blue light continues flashing rapidly—indicating successful pairing. Indicates successful pairing Blue for 1 second **Reset Button Description** Explanation **Button Action** Check the Zigbee hub connection and verify the Press the reset button gateway effective distance (Triggered only when bound to a Zigbee gateway) Press and hold the reset button Reset device, and start the network pairing mode for more than 5 seconds Short press the reset button 10 times Restore factory settings