

Aqara Gas Detector Introduction

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- **Product introduction**
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- **Configuration on App**

Product Profile

Aqara Smart Natural Gas Detector is a home-use combustible gas detector that warns leakage of natural gas. In case the concentration of natural gas (methane as its main component) is detected to reach the alarm setting value, the detector will immediately release a sound and light alarm signal and send a notice to the cell phone app via the hub. You shall be on the alert and take immediate and effective measures to troubleshoot the danger, avoiding serious explosion accidents.



Front View



Rear View



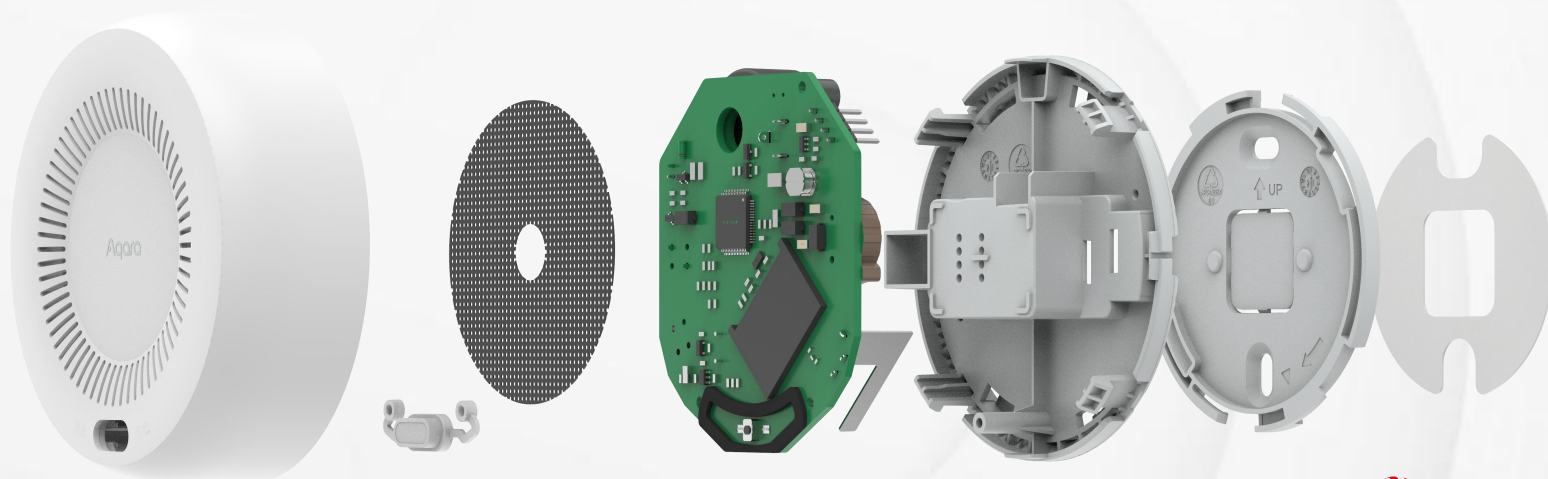
Side View

*This product is for indoor use only. Please bind the product to the Hub before use.

*Aqara Hub is required to enable Aqara Gas Detector to work with **Homekit**.

Gas Detector Features

Aqara



reddot design award

Feature 1: Compact and premium design, with built-in intelligent processor and high-end sensor.

continuous connection

Gas Detector Features

Protects you and your family, no matter you are home or away.



Feature 2: Light and sound alarm

The built-in siren of up to 85dB will allow you to hear it even if you are in another room, sleeping or listening to loud music. Also, the device has a colorful LED that will blink in red in case of an alarm.

Gas Detector Features

Protects you and your family, no matter you are home or away.



Feature 3: Get notifications from your phone

The detector will push notifications (including Critical Alerts) to your phone or any other device where the Aqara Home app is installed, so you can protect your family when you are away.

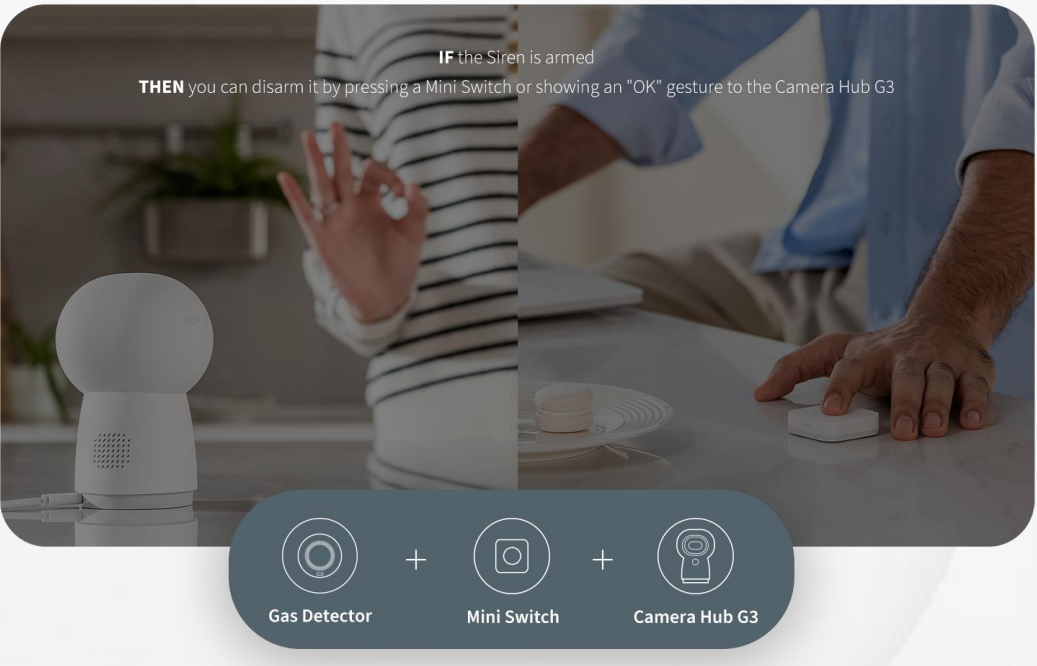
Gas Detector Features



Feature 4: Group binding and hub alarming

The detector can trigger all your siren-equipped Aqara hubs automatically via the Alert System, and trigger other Gas Detectors to sound without any extra action, even if the hub goes down.

Gas Detector Features

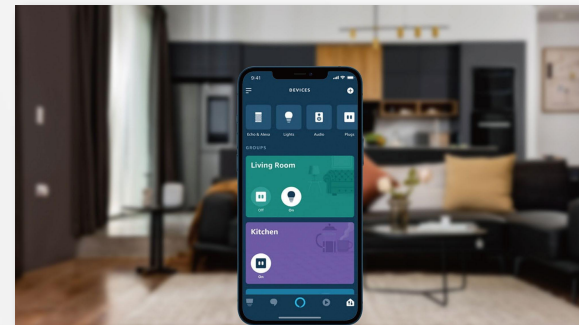
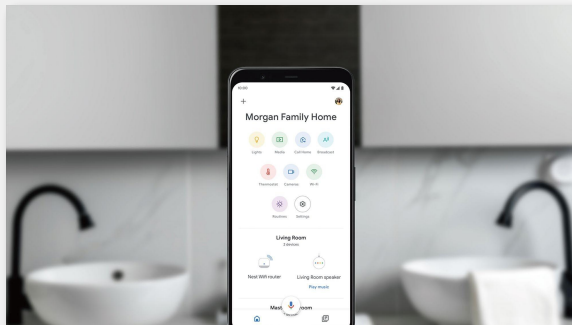
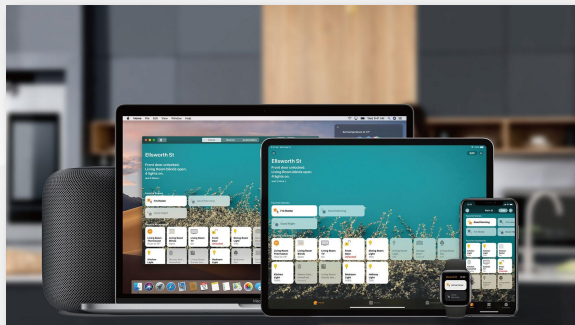


Feature 5: Disarm the Siren Easily

In case the detector was triggered, you will be able to check if there is any danger and disarm it easily. Unlike the traditional alarms, you can use both the Aqara Home app or other Aqara devices to do it.

Wide Compatibilities

Aqara



All around compatibility

Compatible with most popular smart home ecosystems. HomeKit, Yandex Alice*, IFTTT, and more are supported. Just connect it to the Aqara Hub and bind the account.



continuous connection

Product Selling Points

Group Binding



Without any extra actions needed, one Gas Detector will trigger the other Aqara Gas Detectors to sound an alarm, even if the hub goes down.

Rich Notifications



The detector will not only trigger all your siren-equipped Aqara Hubs automatically via the Alert System, but also will be able to send configurable push notifications (including Critical Alerts) to your phone or any other device where the Aqara Home app is installed.

Built-in up to 85 dB* Siren



The device has a built-in powerful siren that will allow you to hear it even if you are in another room, sleeping or listening to loud music. Also, the device has a colorful LED that will blink in case of an alarm.

Smart Home Automation



The Gas Detector is a natural part of the Aqara Home app and its automations. You can configure the IF conditions as well as THEN actions, and you will be able to use more notification or disarming options.

Compatibility with HomeKit, Yandex** and more



Compatible with most popular smart home ecosystems. HomeKit, Yandex, IFTTT, and more are supported. Just connect it to the Aqara Hub and bind the account.

Product Specifications

Smart Natural Gas Detector Model: JT-BZ-03AQ/A

Target Gas: Methane (CH₄)

Input: 12.0V 0.5A 6.0W

Wireless Protocols: Zigbee

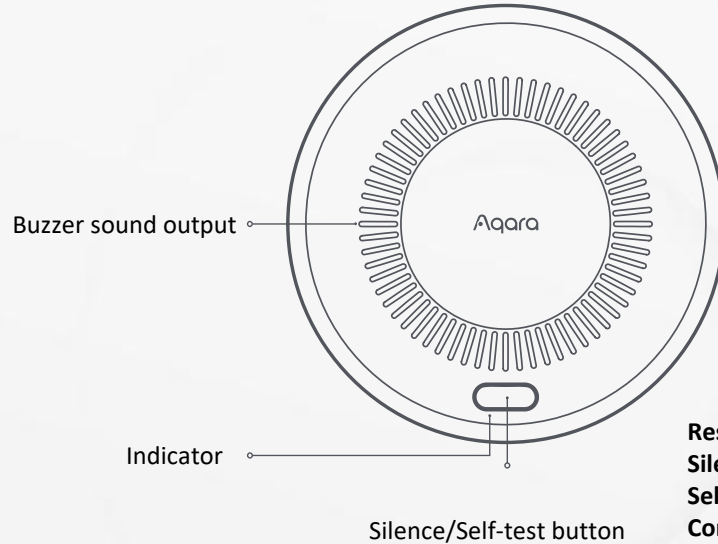
Dimensions: Ø 80.4 × 31 mm

Operating Temperature: -10°C ~ 55°C

Operating Humidity: 0 ~ 93% RH, no condensation

What is in the Box: Detector × 1, Mounting Plate × 1, Adapter × 1, Adhesive Sticker × 1, Self-Tapping Screw × 2, Expansion Tube × 2, User Manual × 1

Button Functions



- Reset:** Press quickly for three times
- Silence:** Press once (In case of alarm)
- Self-Test:** Press and hold for over 3 seconds
- Communication Distance Test:** Press once

Effective range test: When single press the reset button, the Hub will make voice prompt of “Normal link confirmed” , it means the connection between the device with Hub is normal.

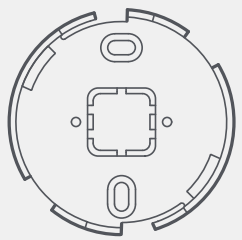
Device identify: When single press the reset button, the device will flash on the app at the menu of Accessories.

Content

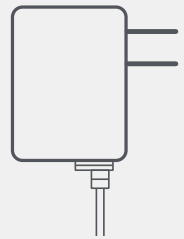
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- **Product installation**
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Product Installation

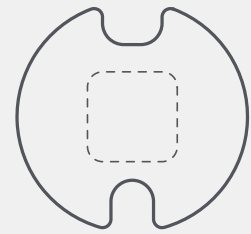
What's in the box



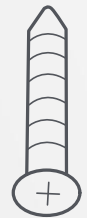
Mounting Plate x 1



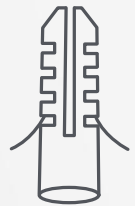
Adapter x 1



Adhesive sticker x 1



Self-Tapping Screw x 2



Expansion Tube x 2

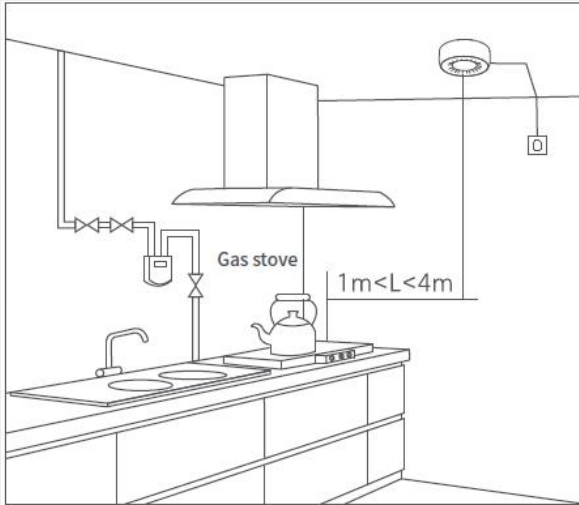
Installation and Usage

Please confirm that communication between the Smart Natural Gas Detector and the Aqara Zigbee 3.0 hub works normally, and then install and fix it in position.

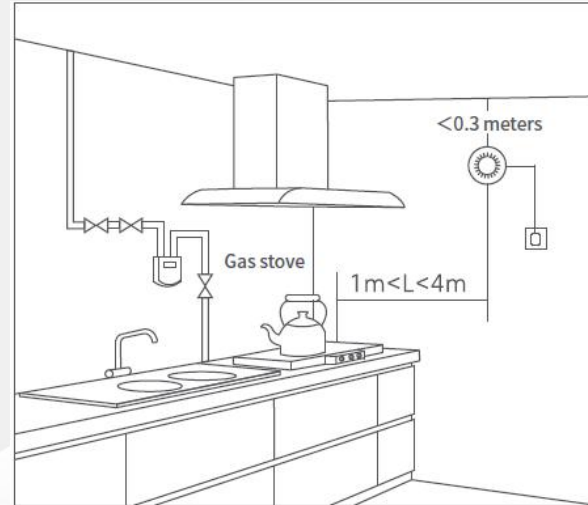
Product Installation

1. The detector should be installed indoors and located in the same room with the stove or gas source.
2. The detector should be installed within a horizontal distance of more than 1 meter and less than 4 meters from the stove, and the height should be more than 0.5 meters above the stove for wall mount installation, with the distance from the ceiling less than 0.3 meters.
3. The detector should not be installed directly above the stove or on any position that can be directly affected by the exhaust, steam and cooking fume from the stove.
4. The detector should not be installed near the fans, air conditioners, fresh air entrances and exits where the wind speed is too fast.
5. The detector should not be installed in places with massive moisture or large amount of water vapor, such as bathrooms.
6. The detector should not be installed in places with temperature below -10°C or above 55°C

Ceiling mount position



Wall mount position

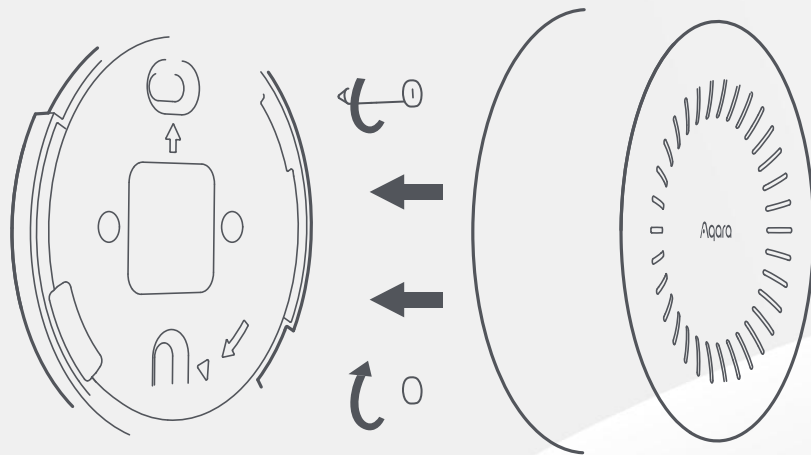


Product Installation

Please first place the detector in the target position for installation, connect the power cord, and press the silence/self-test button to verify the communication distance. You should make sure that the device communicates properly with the hub before installing and fixing it in position.

Installation with screws

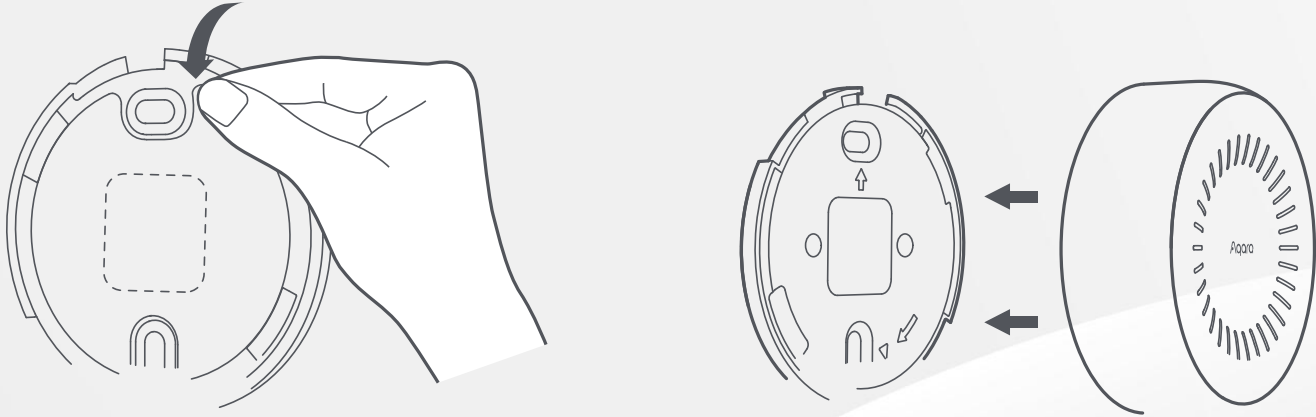
1. Choose a suitable position and use an impact drill to punch holes in accordance with the holes on the mounting plate.
2. Install the expansion tube at the punch position.
3. Secure the mounting plate with self-tapping screws.
4. Align the "△" mark on the back of the detector with the same mark on the mounting plate and rotate clockwise to fix it.
5. Use screws first to ensure a more secure installation.



Product Installation

Installation with adhesive

1. Remove the protective film on one side of the adhesive sticker and stick the adhesive sticker on the back of the mounting plate.
2. Choose a proper position for installation and make sure its surface is smooth, clean and dry.
3. Please do not stick the mounting plate on the surface of the wall paint and other coatings, otherwise the sticking position is prone to peeling after a period, resulting in falling off the detector.
4. Remove the protective film on the other side of the adhesive sticker, stick and secure the mounting plate evenly.
5. Make sure that the mounting plate is firmly stuck within 30 seconds (it is recommended to leave it still for 24 hours before installing the detector).
6. Align the "△" mark on the back of the detector with the same mark on the mounting plate and rotate clockwise to fix it.



Status signal of the detector

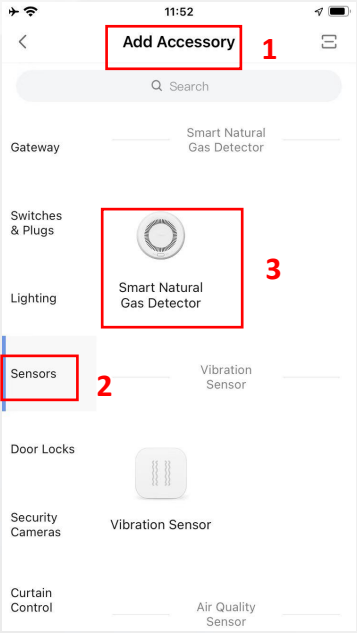
Status	Indicator	Buzzer	App
Preheating	The red, yellow and green colors flash in cycle after power on until completion of preheating	Three beeps after power on	Preheating
Normal monitoring	Green light is always on	No sound	Monitoring normal
Self-test	The red, yellow and green colors flash in turn, with duration of each flash one second and a pause every three flashes	One beep per second, with a pause every three beeps	Self-test
Natural gas leakage alarm	Red light flashes once per second	One beep per second, with a pause every three beeps	Natural gas leakage alarm
Linkage alarm	Red light flashes once every 4 seconds	One beep per second, with a pause every three beeps	Linkage alarm
Fault	Yellow light is always on	Beep every 5 seconds	Fault
Out of service life	Yellow light flashes three times every 5 seconds	Three beeps every 5 seconds	Out of service life

Content

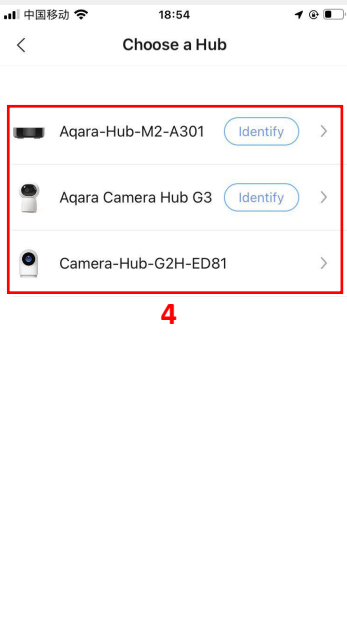
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How to Bind Gas Detector on App

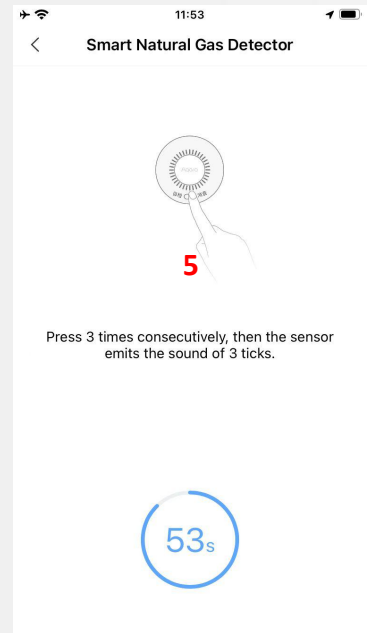
Open the app, enter "Add Accessory" and select "Gas Detector".



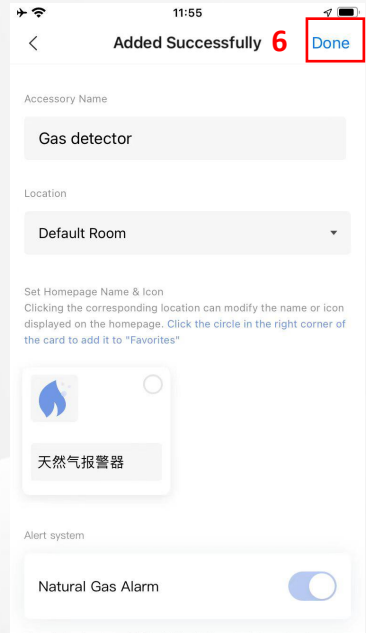
Choose a Hub. Please bind the hub before selecting it here.



Press and hold the reset button for more than 5s, until the blue light blinks 3 times.

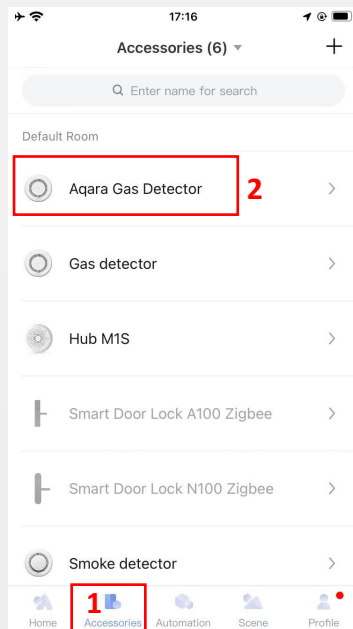


Click "Done" to complete the device binding.

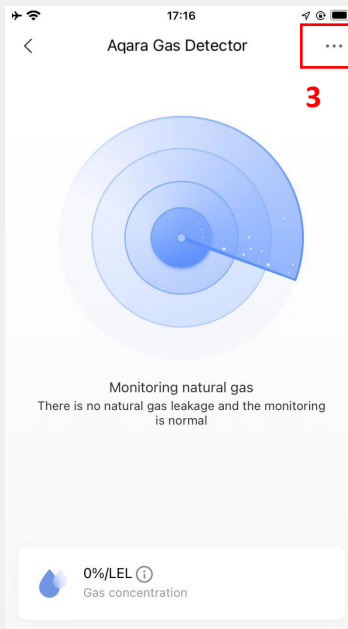


How to Rename the Device

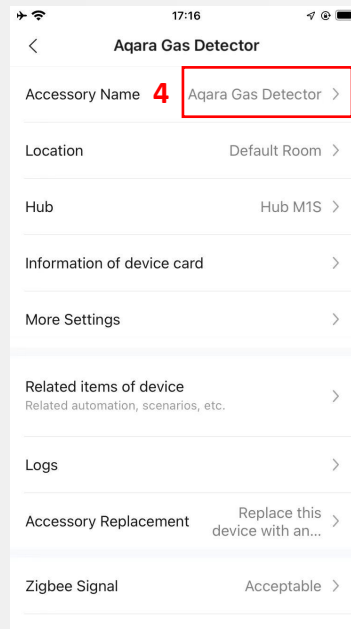
Open the app, enter “Accessories” and select Gas Detector .



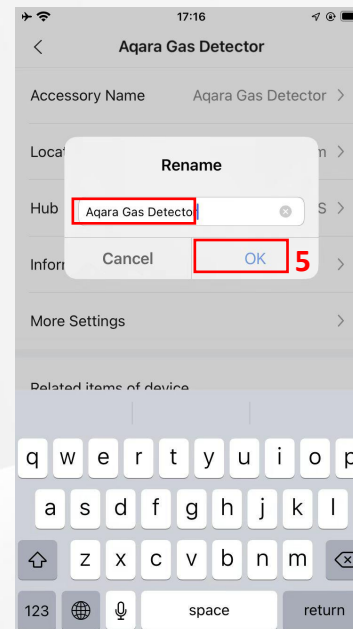
Click “...” .



Click “Accessory Name” .



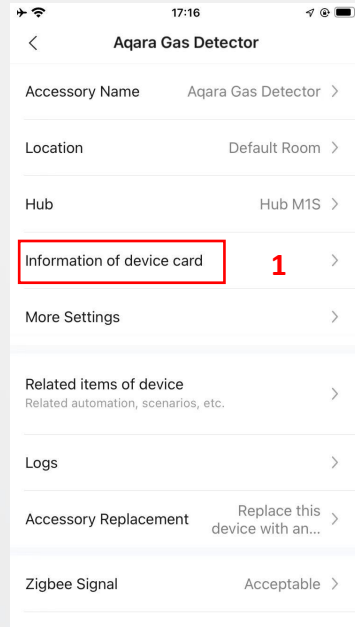
Input new name and click “OK” .



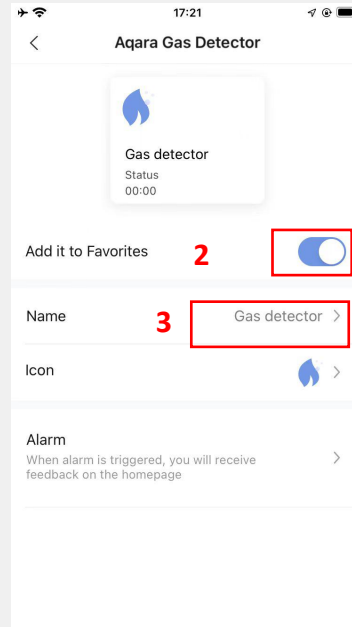
*Once rename the device, the new name will display at the menu of “Accessories” on App.

How to Add Device to “Favoriate” on Homepage

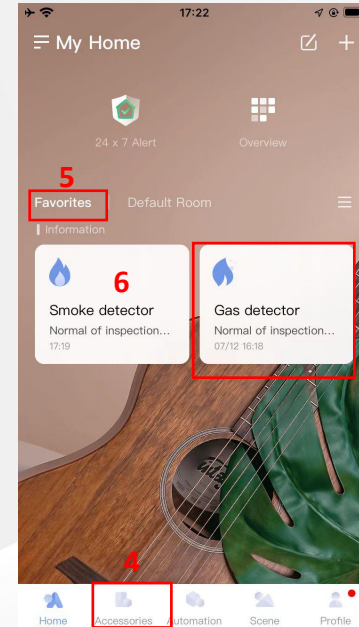
Open the app, enter Gas detector .
Then click “Information of device Card”.



Enable “Add it to Favorites”.
Give the new name on the homepage
for device as per requirement.



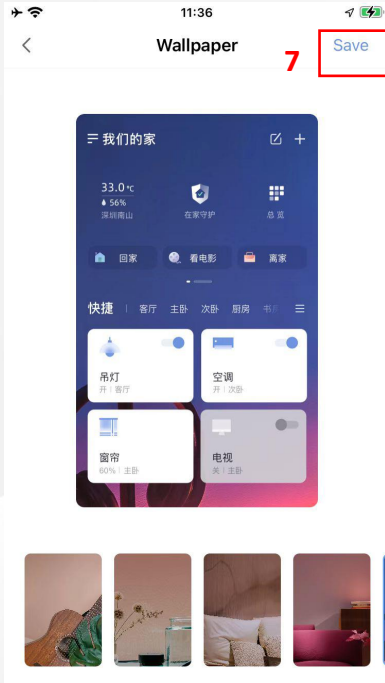
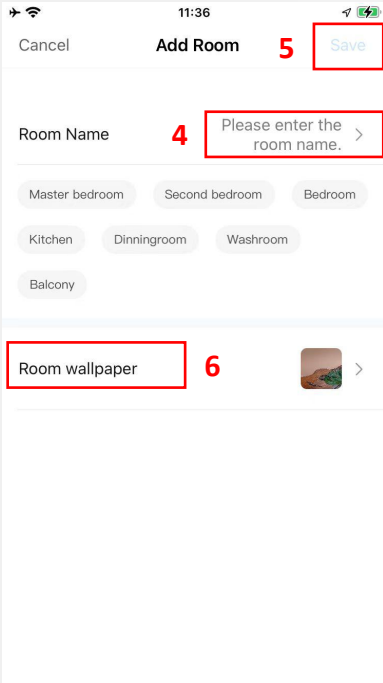
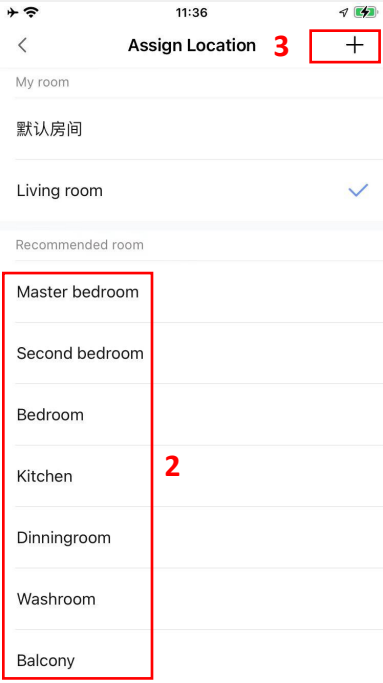
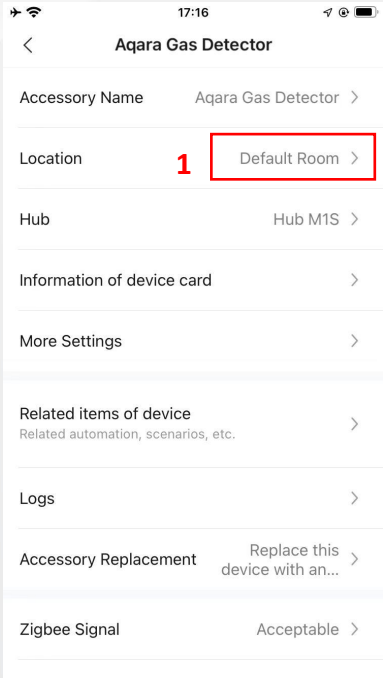
Go to the homepage and click
“Favorites”. The device will
display here.



*Once give the new name at step 3, it will display at “Favoriate”.

How to Set Location

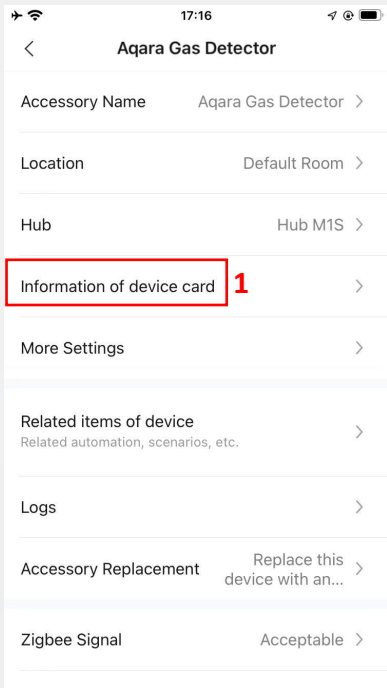
Select the location: Step 1--Step 2;
Create new location: Step 1--Step 3--Step 4--Step 5, or you can select the name in the list here;
Select the wallpaper: Step 1--Step 3--Step 6--Step 7.



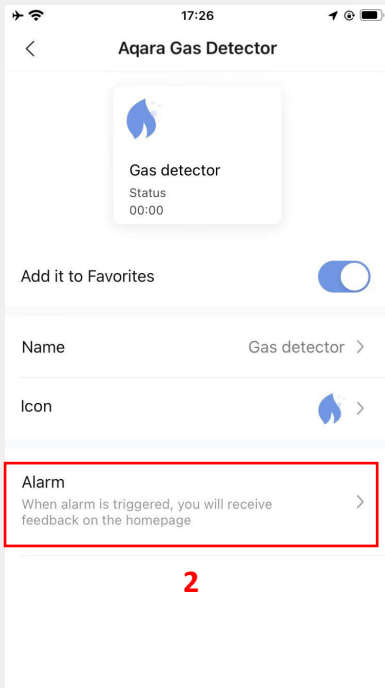
How to Enable Alarm Notification on Homepage

Main step 1: Select the condition

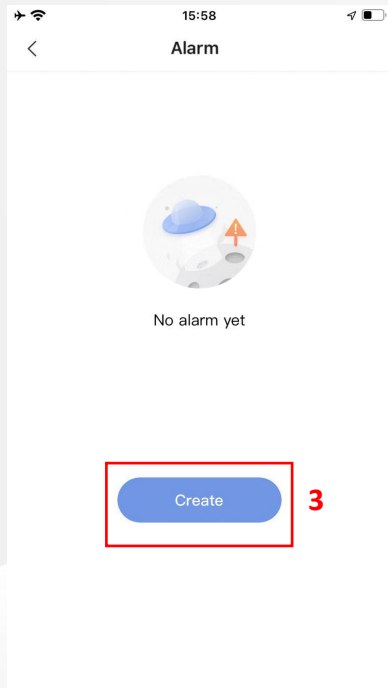
Click "Information of device Card".



Click "alarm".

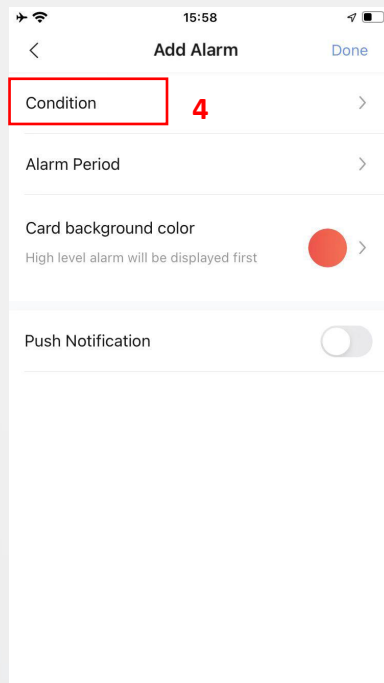


Click "Create".

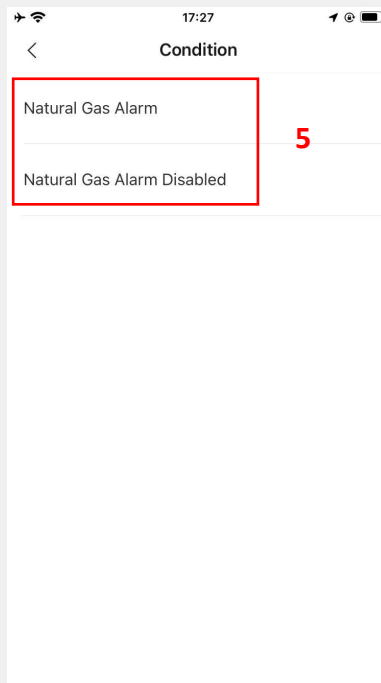


How to Enable Alarm Notification on Homepage

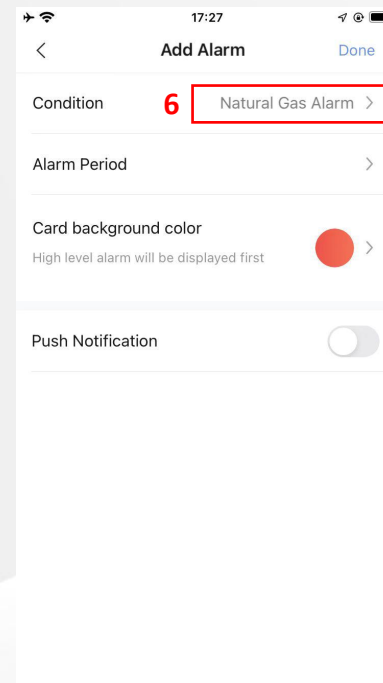
Click "Condition".



Select one condition from the list.



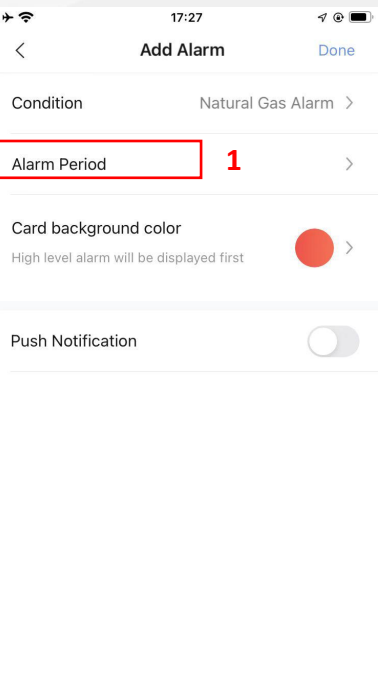
Check the condition.



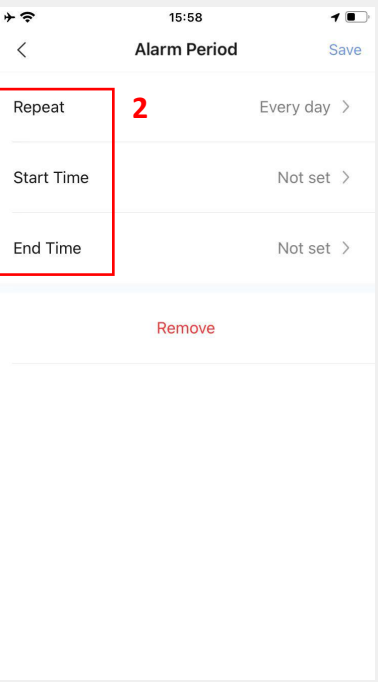
How to Enable Alarm Notification on Homepage

Main step 2: Select & Set the “Alarm Period”

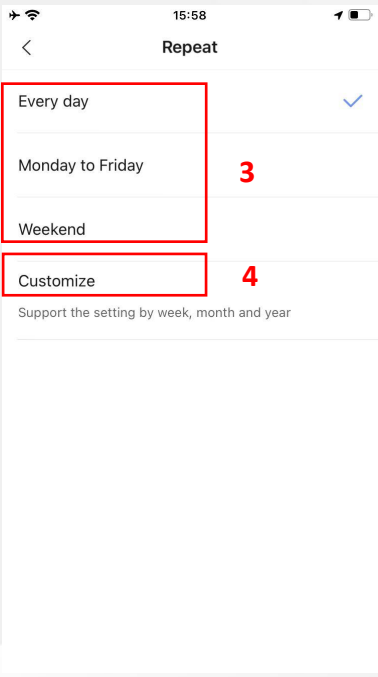
Click “Alarm Period”.



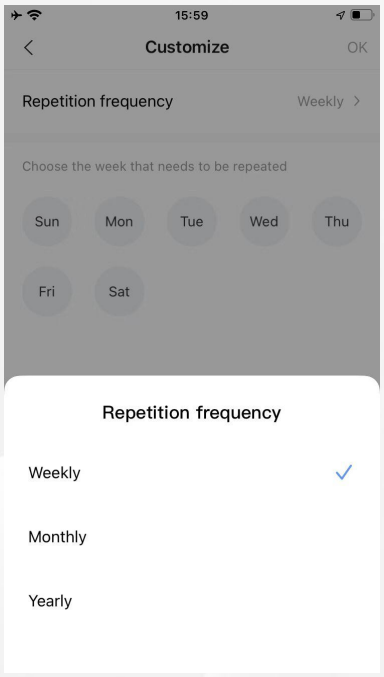
Click “Repeat”. And set “Start Time” and “End Time”



Select the period from the list or customize it.

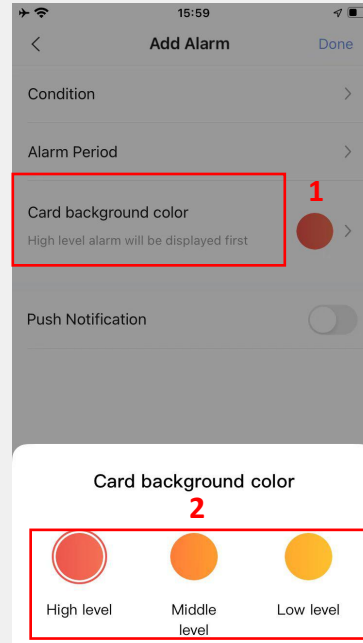


Customize as per the requirement



How to Enable Alarm Notification on Homepage

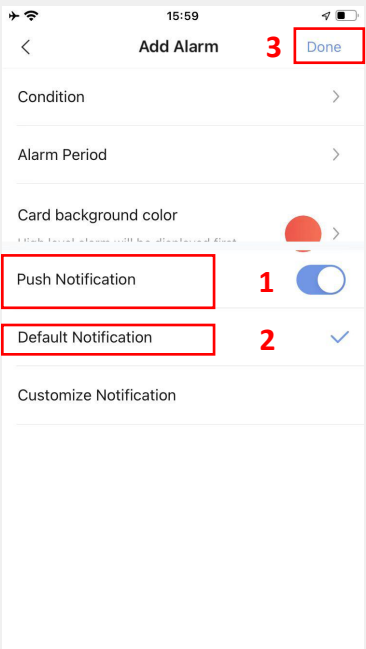
Main step 3: Select “Card background color”



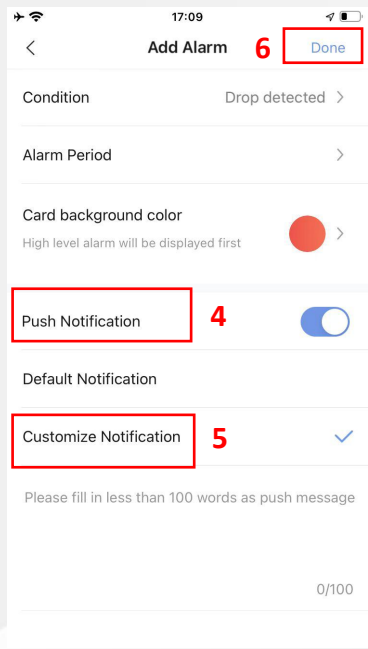
How to Enable Alarm Notification on Homepage

Main step 4: Select or customize “Push Notification”

Configure **default notification**, please follow the step 1--step 2--step 3.



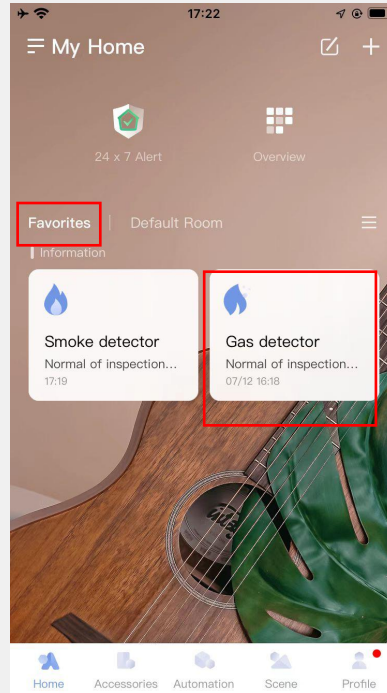
Configure **customized notification**, please follow the step 4--step 5--step 6.



How to Enable Alarm Notification on Homepage

Main step 5: Check the “Alarm Notification” on Homepage

Go to the homepage and click “Favorite”. The Icon will flash as per the selected background color when there is alarm.

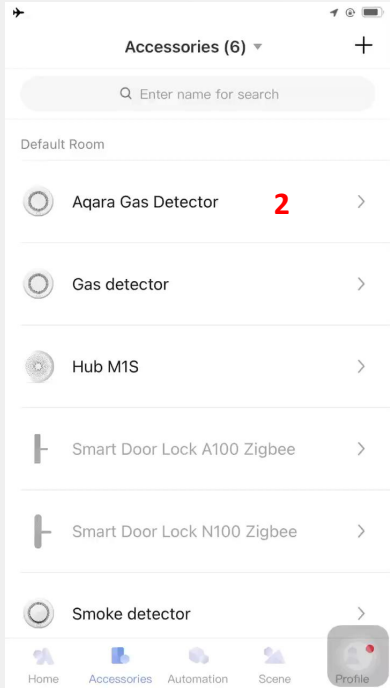


How to Identify the Device

Single press the reset button.

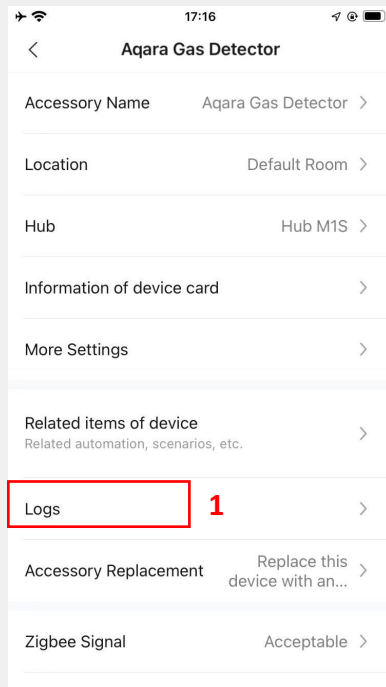


Check the device at the “Accessories” Page. The device will flash on App.

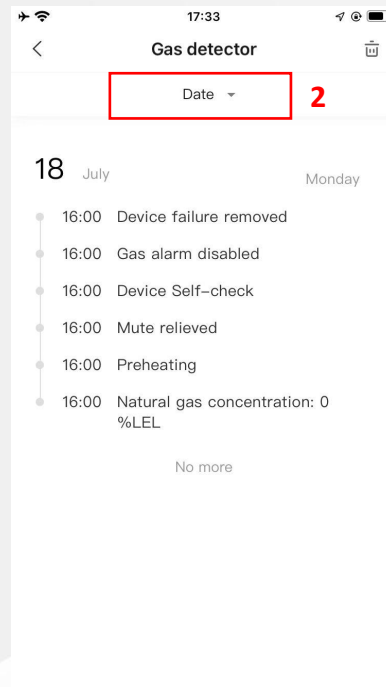


How to Check Logs

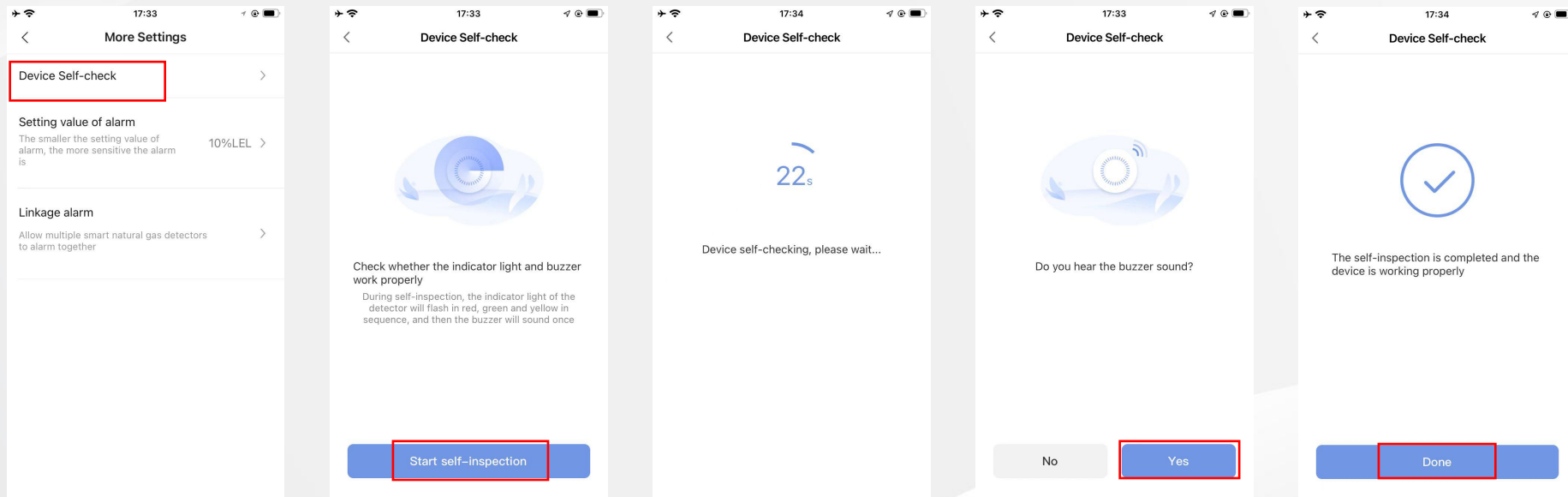
Click “Logs” when enter “Gas detector”.



Select the date.

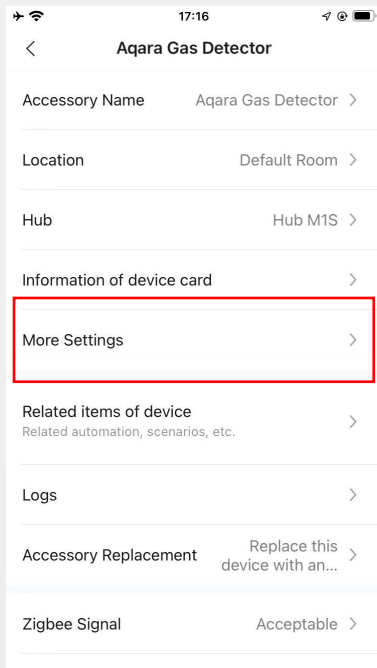


How to Do Device Self-Check

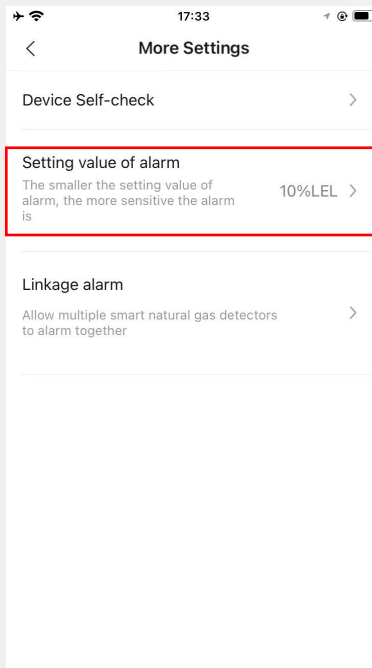


How to Set Value of Alarm

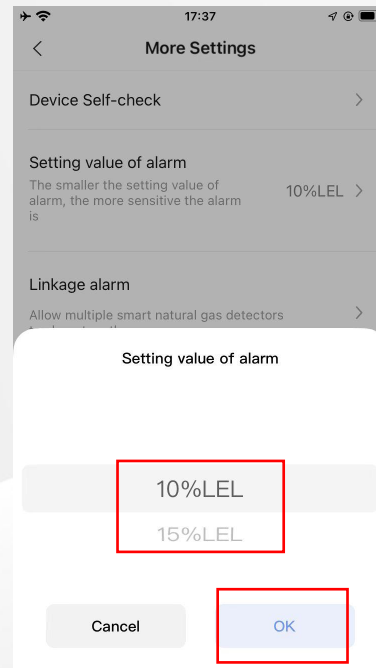
Click “More Settings”



Click “Setting value of alarm”

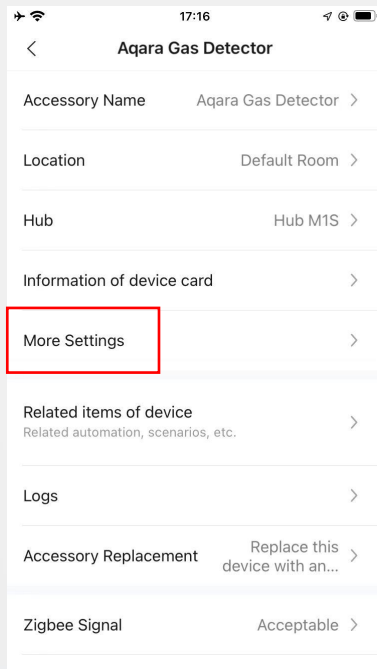


Select the value and click “OK”

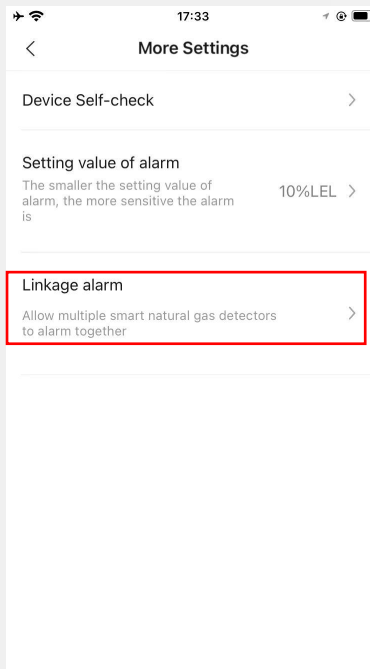


How to Set Linkage Alarm

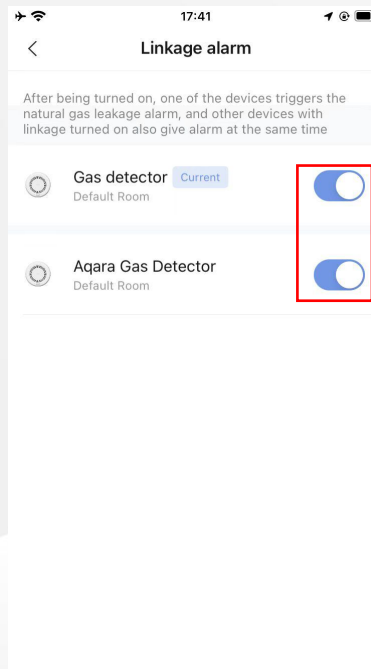
Click "More Settings"



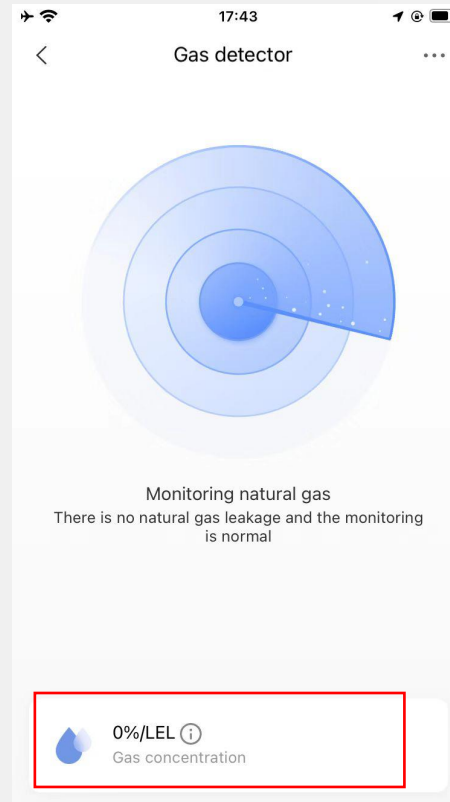
Click "Linkage alarm"



Select the Gas detectors.



How to Check the Gas Concentration



How to Configure Automation and Scene



Aqara Gas Detector supports the below Automation on **Aqara Home App**.

Please click “Automation” and “Scene” to start the configuration, below are the main steps on App.

IF:

Natural gas alarm

Natural gas alarm deactivated

Then:

Mute

Thank you