



Aqara Smart Light Switch H2 EU Introduction

continuous connection

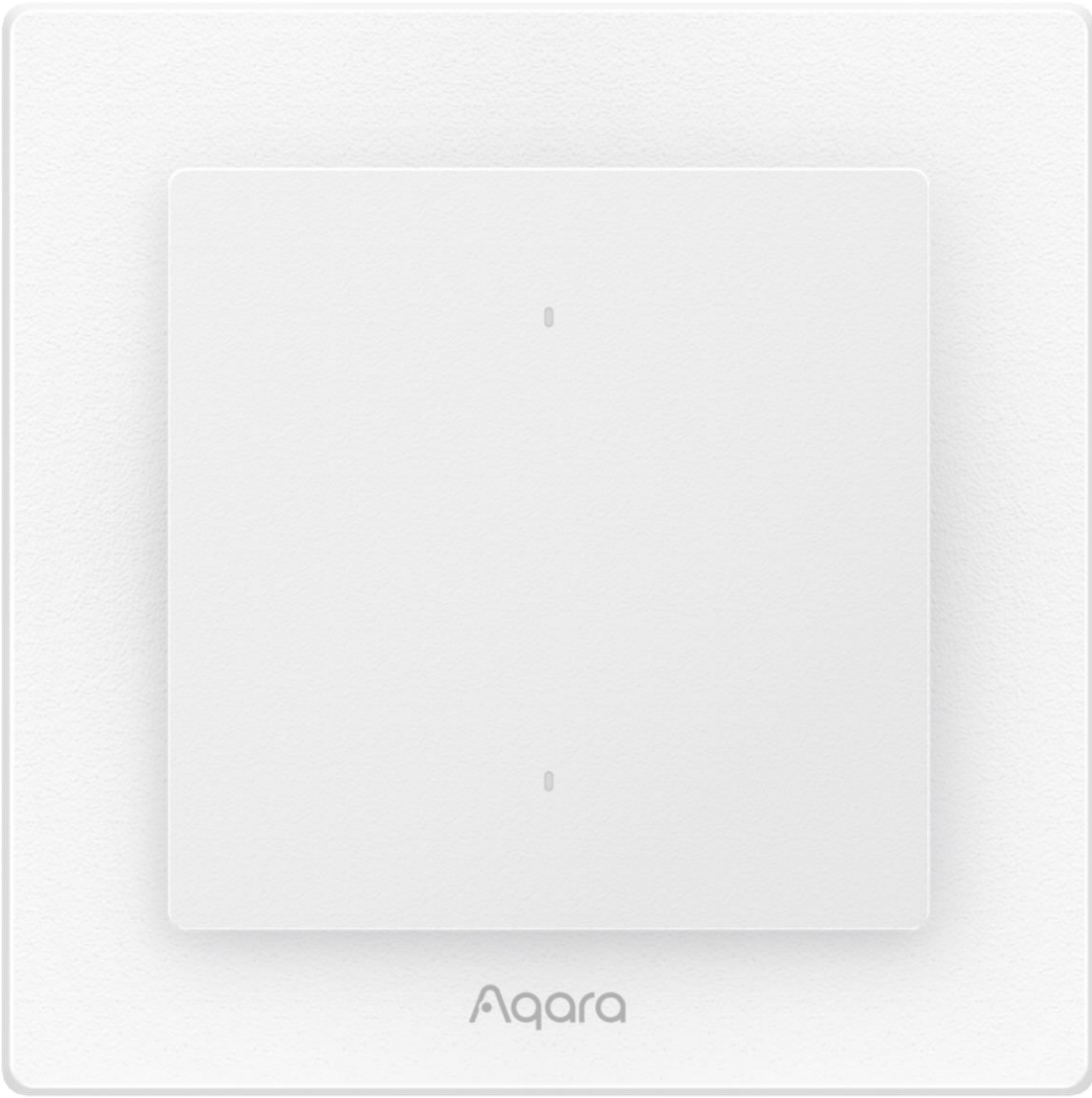
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- **Product Introduction**
- **Product Installation**
- **Configuration on App**
- **FAQ**

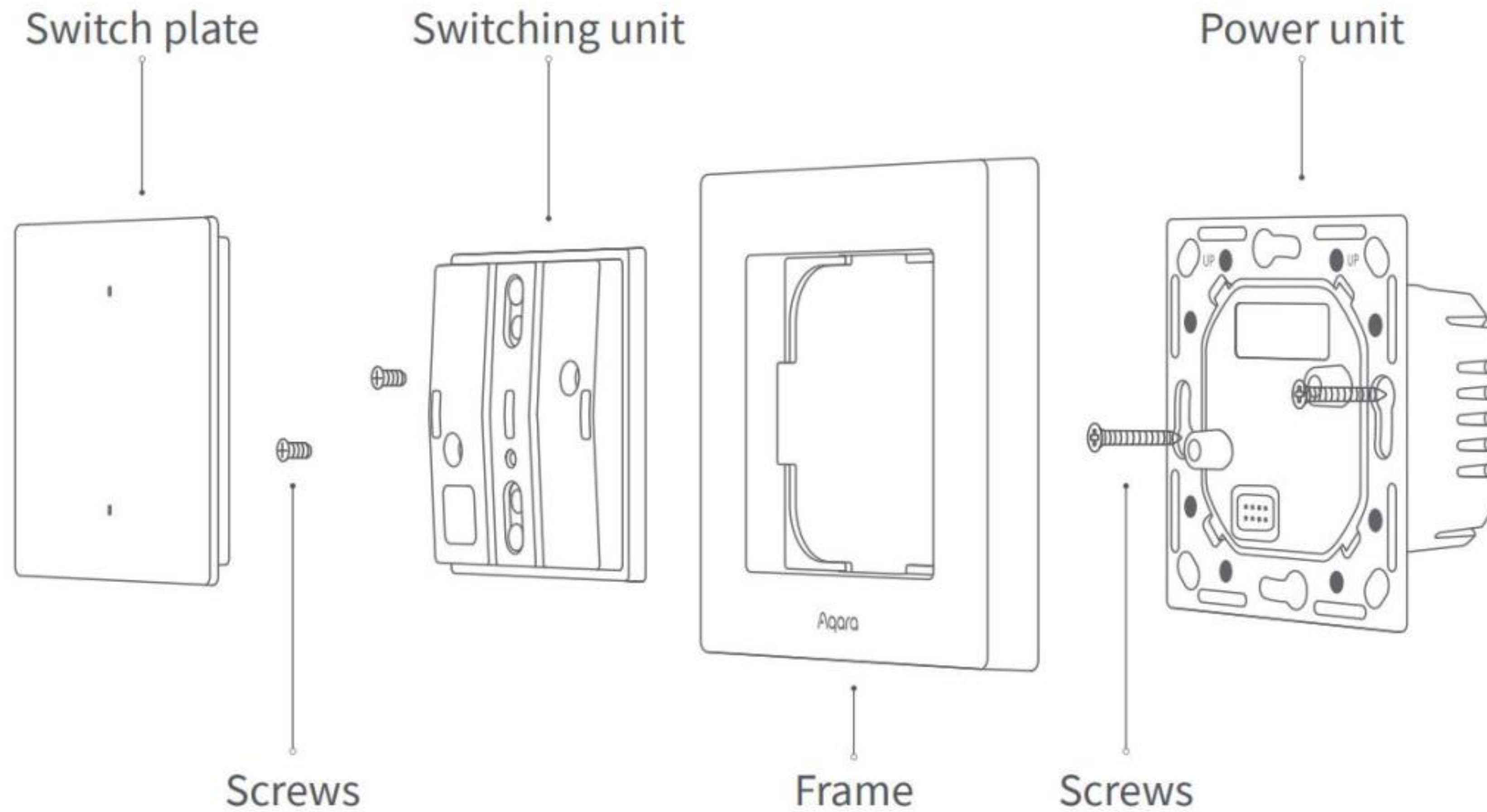
Product Overview

The Aqara Light Switch H2 EU is a smart switch based on the Thread and Zigbee wireless communication protocol, capable of controlling the power on and off for devices such as lights. When used with a hub, it can achieve app remote control, scheduled control, power statistics and more. It can also work with other smart devices to achieve more interconnected control effects.

*This product requires a device with Matter Border Router gateway functionality.



Hardware Structure



Product Selling Points



55 switch plate and Frame support

Supports European standard back box gang installation.

Accessories available: Aqara 2-gang and 3-gang frames can be purchased separately.



Includes Wireless Switches

The double-switch model comes with 1 wireless switch, and the four-button model comes with 2 wireless switches.



Thread

Supports the protocol of Thread, and be compatible with 3rd party platform



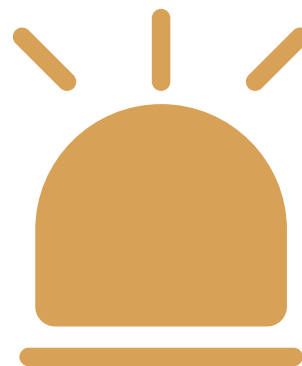
Power consumption

Displays the power consumption by Aqara Home App



Power-off memory

Supports relay state settings after power outage recovery.



Indicators support

Both the relay switch and the wireless switch include indicator lights.

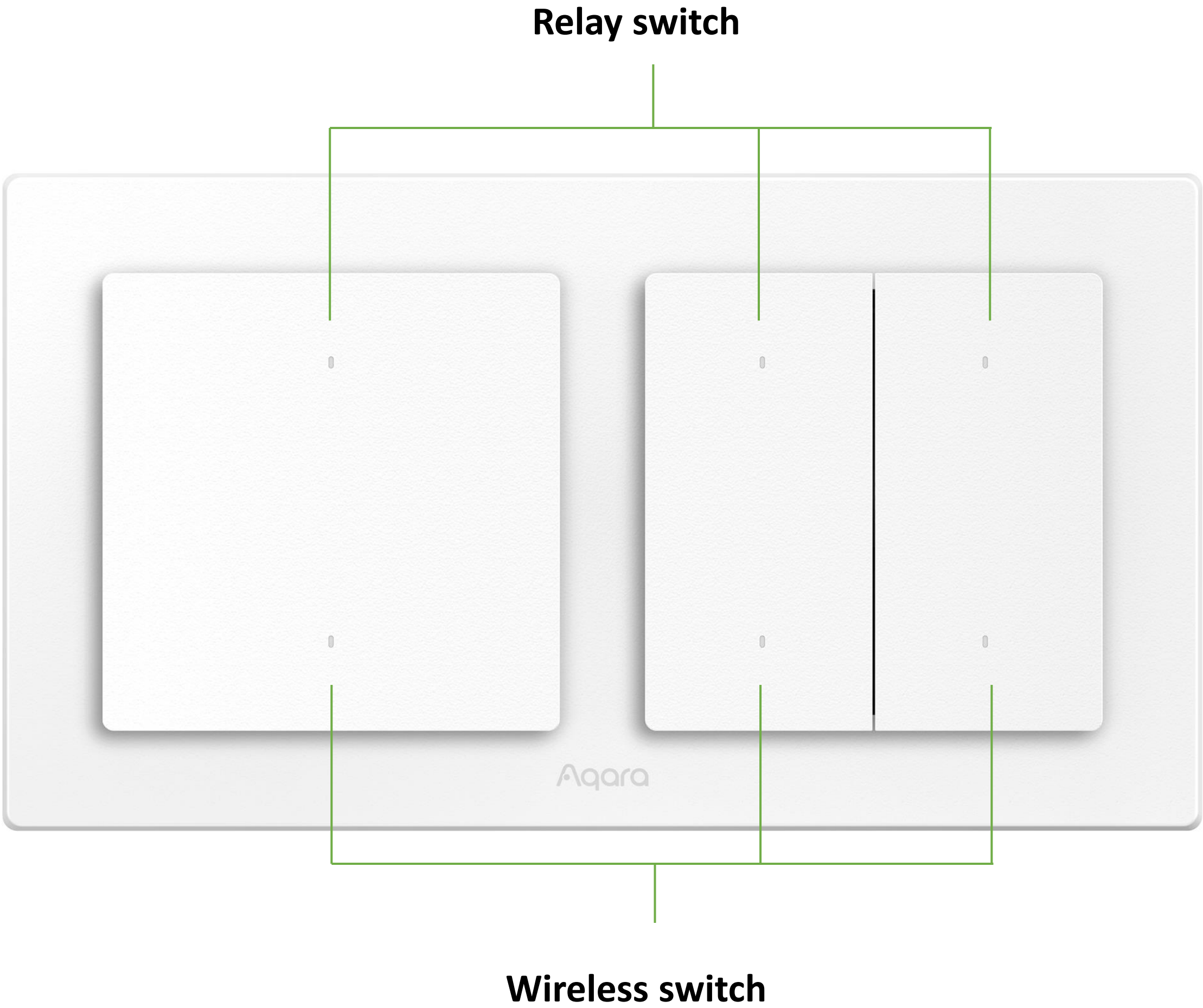
55 Switch Plate and Frame Support

Perfectly compatible with the European standard 55-gang frame, supports third-party gang frames, including those from Jira and Legrand AtlasDesign.



Wireless Switches

The double-switch model comes with 1 wireless switch, and the four-button model comes with 2 wireless switches.



Standard Matter Function

Light Switch H2 EU will only support the standard Matter function when it’s launched, the private function will support in future by OTA.

Function Type	Function Item	Matter Function Description	Zigbee Function Description	Remarks
Standard Matter Function	Device pairing	Support	Support	Support Magic Pair binding.
	OTA	Support	Support	
	APP On\Off control	Support	Support	
	Quick click mode	Support	Support	
	Power-off memory	Support	Support	Four Modes Available: Power Loss Memory: Retains the state from before the power loss when power is restored. Power On: Turns on the relay when power is restored. Power Off: Keeps the relay off when power is restored. Toggle: Switches to the opposite state of what it was before the power loss (Matter standard). Default: Power Off Memory.
	Power consumption	Support	Support	It can calculate and monitor the power consumption and power changes of the controlled devices. Note: This feature is only supported in the neutral-live wiring mode.
	Find the device	Support	Support (TBD)	When searches for a device from the App, the device provides feedback to indicate its location to the user (sound, light, vibration).

Aqara Exclusive Function

Function Type	Function Item	Matter Function Description	Zigbee Function Description	Remark
Relay switch and Button function	Convert to wireless switch	Post-launch support	Support	The "Convert to Wireless Switch" feature can be configured via the mobile app. Once this feature is enabled, the button actions will be isolated from the relay actions, meaning a single press of the button will not turn the switch on or off. After enabling the wireless switch mode, the user can use the wall switch button actions as automation triggers to control other devices.
	Relay lock	Post-launch support	Support	After enabling the "Convert to Wireless Switch" feature, there is an additional configuration option (currently with a separate configuration entry). This feature is disabled by default, but users can choose to enable it. Once enabled, the relay cannot be controlled via automation, the app, or voice commands. (Relay lock can be toggled on/off through automation)
	Quick multi-control	Post-launch support	Support	
	Quick click mode	Post-launch support	Support	Quick Click Mode/Multi-Function Mode switchable, supported only by multi-key versions of the wireless switch loop. The default is Quick Click Mode.
Indicator function	Turn off the indicator light	Post-launch support	Support	The off period is configurable. By default, the indicator light can be turned off during the period from 21:00 to 09:00 the next day. This configuration has a priority level of 3.
	Indicator light inversion	Post-launch support	Support	
	Anti-light pollution mode automation	Post-launch support	Support	Change the "Turn Off Indicator Light" feature to the automation results "Enable Anti-Light Pollution Mode/Disable Anti-Light Pollution Mode".
	Indicator states setting	Post-launch support	Support	Multiple status options: 1. Indicator off 2. Indicator on 3. Follow switch status 4. Indicator toggle The indicator brightness is adjustable.
System function	Input the power consumption manually when in no-neutral mode	Post-launch support	Support	When in no neutral mode, users can manually input the load power. The power data is calculated by the sub-device and stored for reporting.
	Anti-flicker mode	Post-launch support	support	(Only the single-fire version or single-fire mode is effective) Switching between flicker-free mode and fast mode, with flicker-free mode set as the default. (Polling is adjustable between 1s and 0.25s)
	Find the device	Post-launch support	Support	When "Identify Accessory" is clicked in HomeKit on an iPhone, the gateway sends an Identity command to the device (to locate the device). The device must respond physically within 5 seconds. Upon receiving the Identity command, the switch power toggles twice, with a 1-second interval. The sub-device triggers the gateway to locate it by pressing the device button three times locally.
	Panel error	Post-launch support	Support	If the assembled DC part does not match the AC part, an error message will be sent.
	Overheat protection	Post-launch support	Support	In normal conditions, all switch devices are supported
	Overload protection	Post-launch support	Support	Devices that support single-fire power input and those with zero-fire power metering are supported.
	Preventing accidental deletion setting	Post-launch support	Support	Configure the preventing accidental deletion on the Hub.
	Group control	Post-launch support	Support	Turn on/off the group
	Mars-Tech	Post-launch support	Support	Type 1: Traditional Mechanical Load Type (Connected to traditional, non-smart load devices. This is the default type) Type 2: Aqara Smart Load Type (Connected to Aqara smart load devices, such as Aqara smart lights, Aqara controllers) Type 3: Pulse-Controlled Load Type (Connected to smart load devices that support pulse recognition, such as YeeLight BLE smart lights)
	Device replacement	Post-launch support	Support	

Product Specification

Item	Double-button	Four-button
Communication protocol	Thread, BLE, Zigbee	
Rated voltage	100-250VAC,50/60Hz.8A	
Rated load	Incandescent Lamp: 1600W (220V), 800W (110V) LED, Fluorescent Lamp, Energy-Saving Lamp: 300W (TBD)	
Quantity of button	2	4
Quantity of relay	1	2
Power supply method	Supports Both Single Live Wire and Neutral Wire Configuration	
Button selection	Capacitive Touch Button	
LED indicator	Red-Blue Dual-Color Indicator Light	
Operation temperature	-10~40°C	
Operation humidity	0-95%	

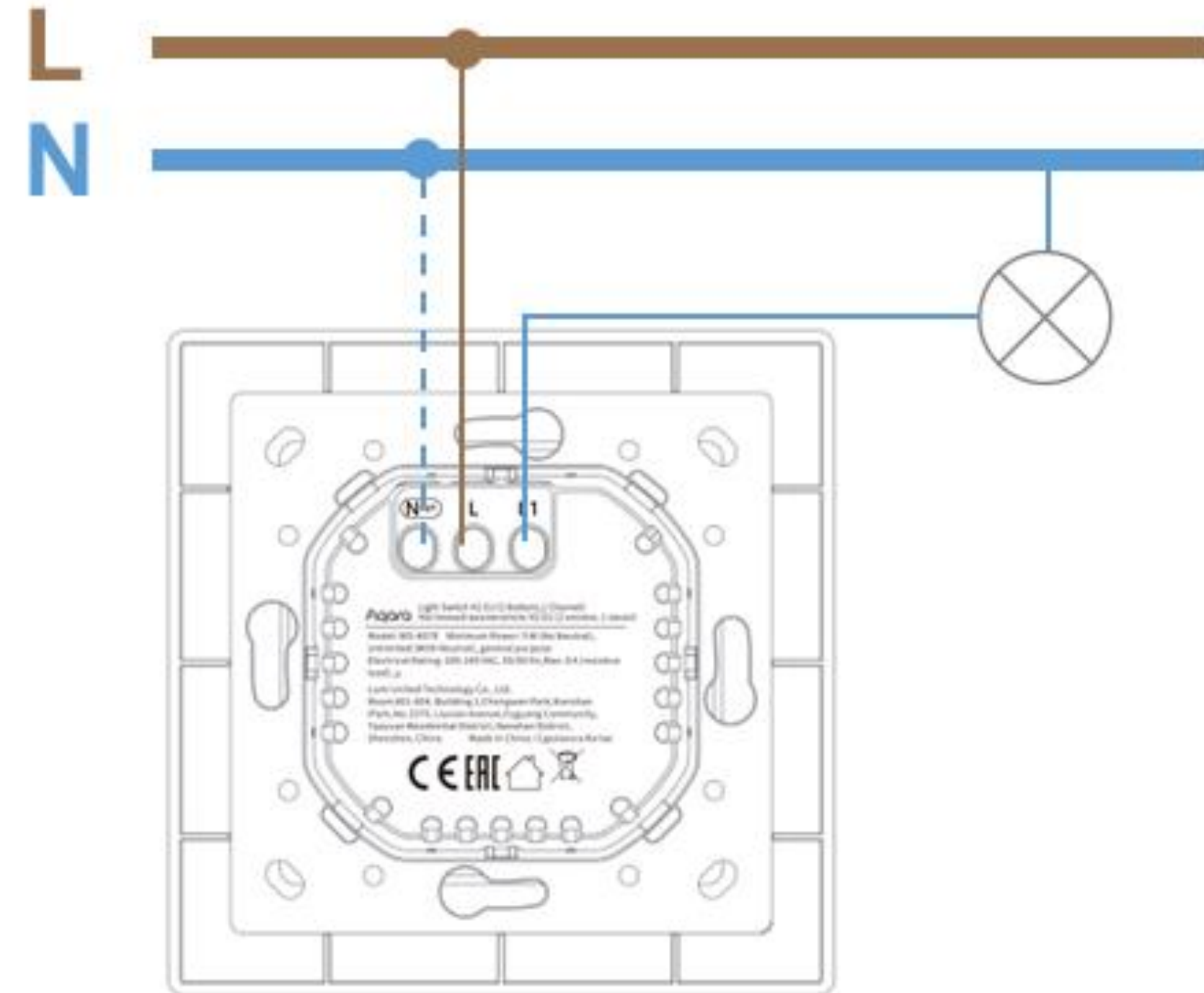
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Product Installation

Step 1

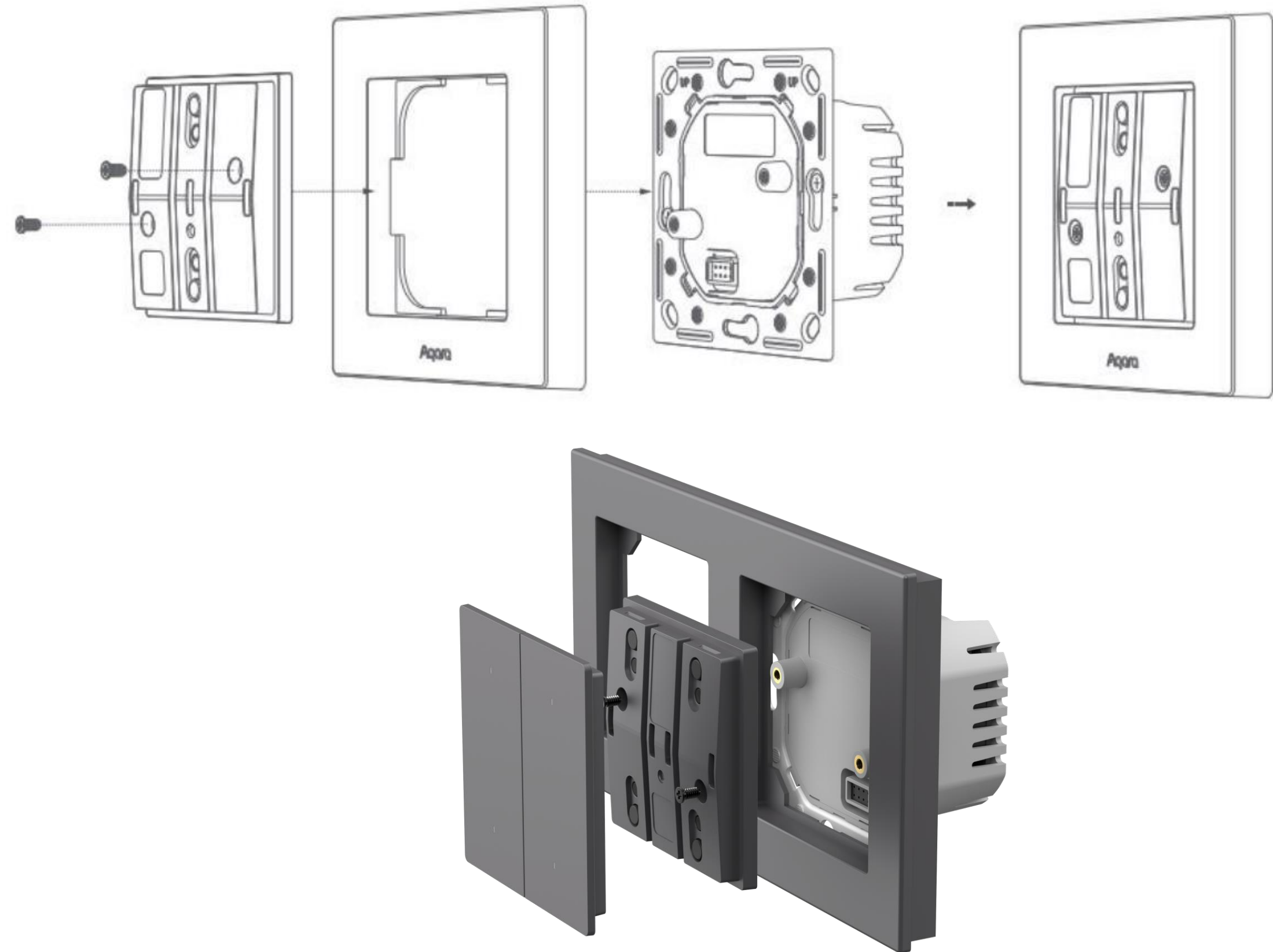
Use a screwdriver to loosen the screws on the back of the switch, connect the live wire to the L hole, connect the neutral wire to the N hole (depending on whether there is a neutral wire in the household wiring), connect the load (light) wire to the L1 hole, confirm the correct wiring, and tighten the screw on the terminal.



Product Installation

Step 2

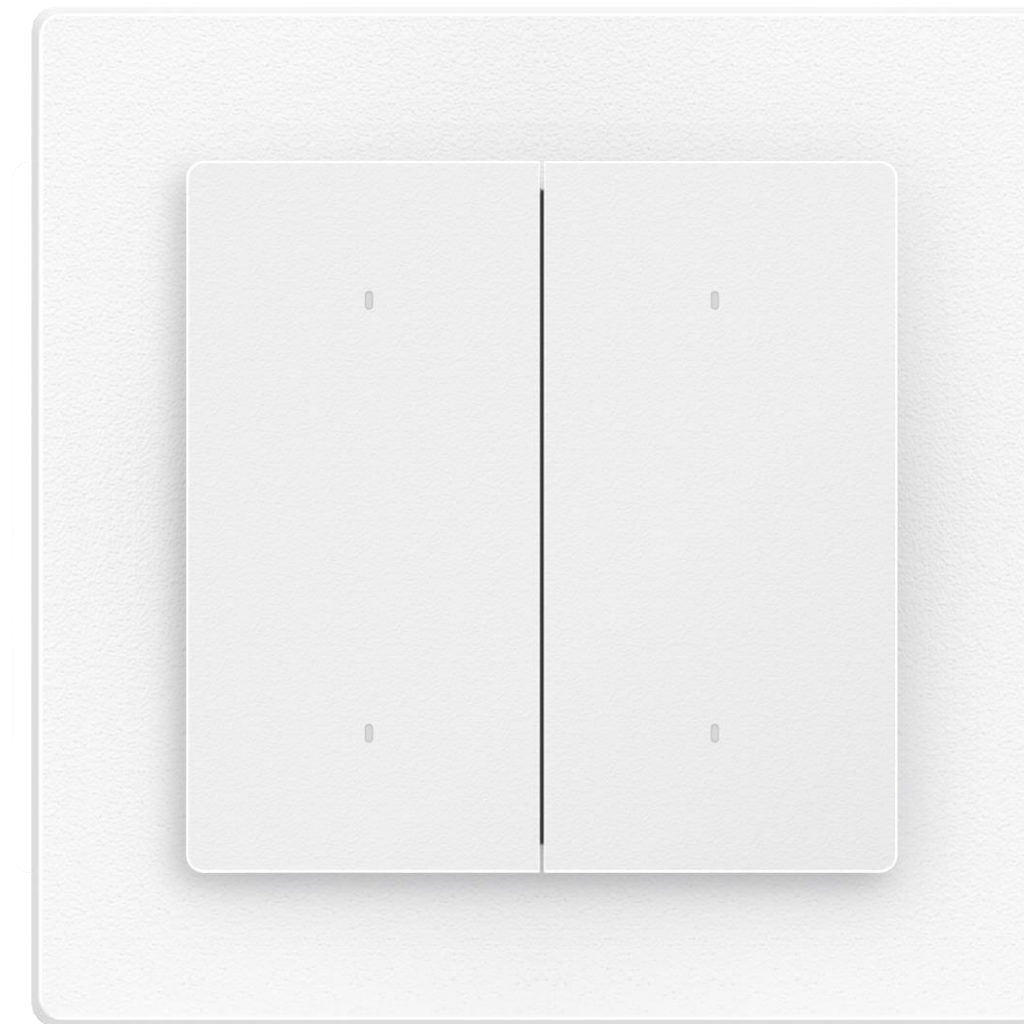
Mount the switch to the wall junction box with the attached screws and mount the switch plate.



Product Installation

Step 3

Turn on main power at the circuit breaker and test the switch by pressing the button. If the light can be controlled normally, the switch is working properly!

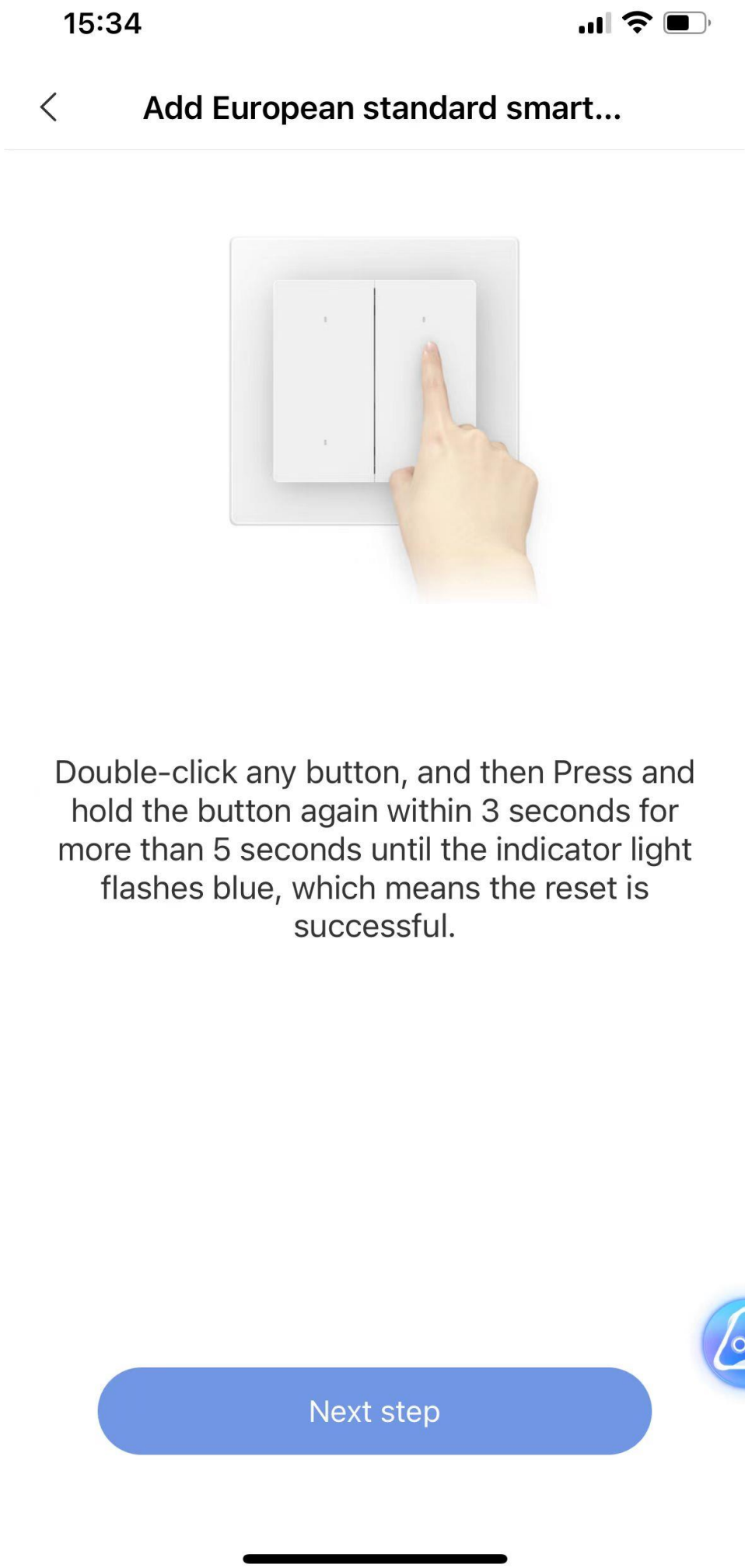


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Add the Device to Aqara Home App

- 1. Please make sure you have installed an app compatible with Matter and have a Thread border router compatible with Matter.
- 2. Follow the prompts to correctly install the switch and power it on. The indicator light will start flashing in breathing mode, indicating that the device is in network pairing mode.
- 3. Open the app that supports Matter, scan the Matter QR code on the manual or product, or enter the setup code to add the device to the app.



Add the Device to Apple Home

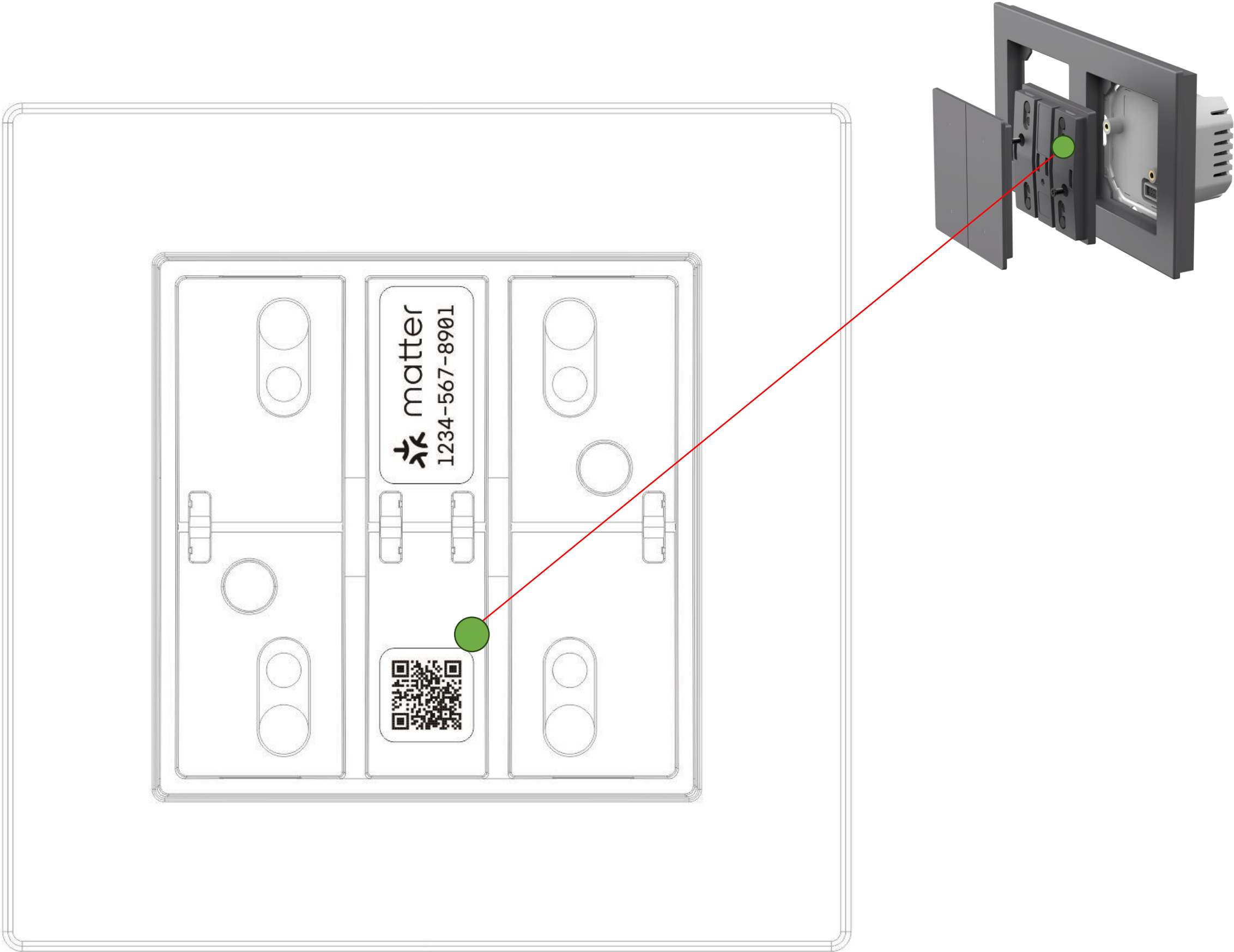
Use of the Works with Apple badge means that an accessory has been designed to work specifically with the technology identified in the badge and has been certified by the developer to meet Apple’s performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.



Electronic
instruction
manual

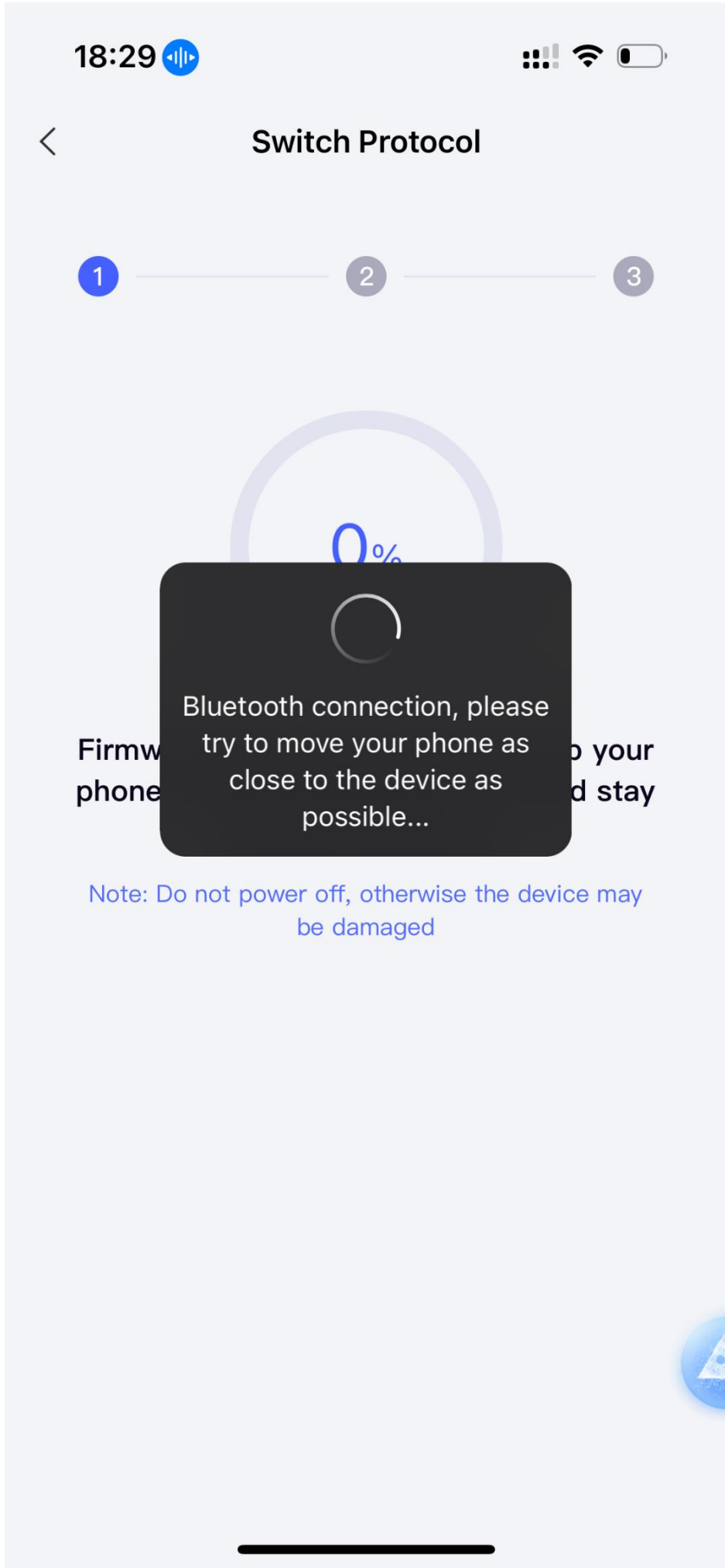
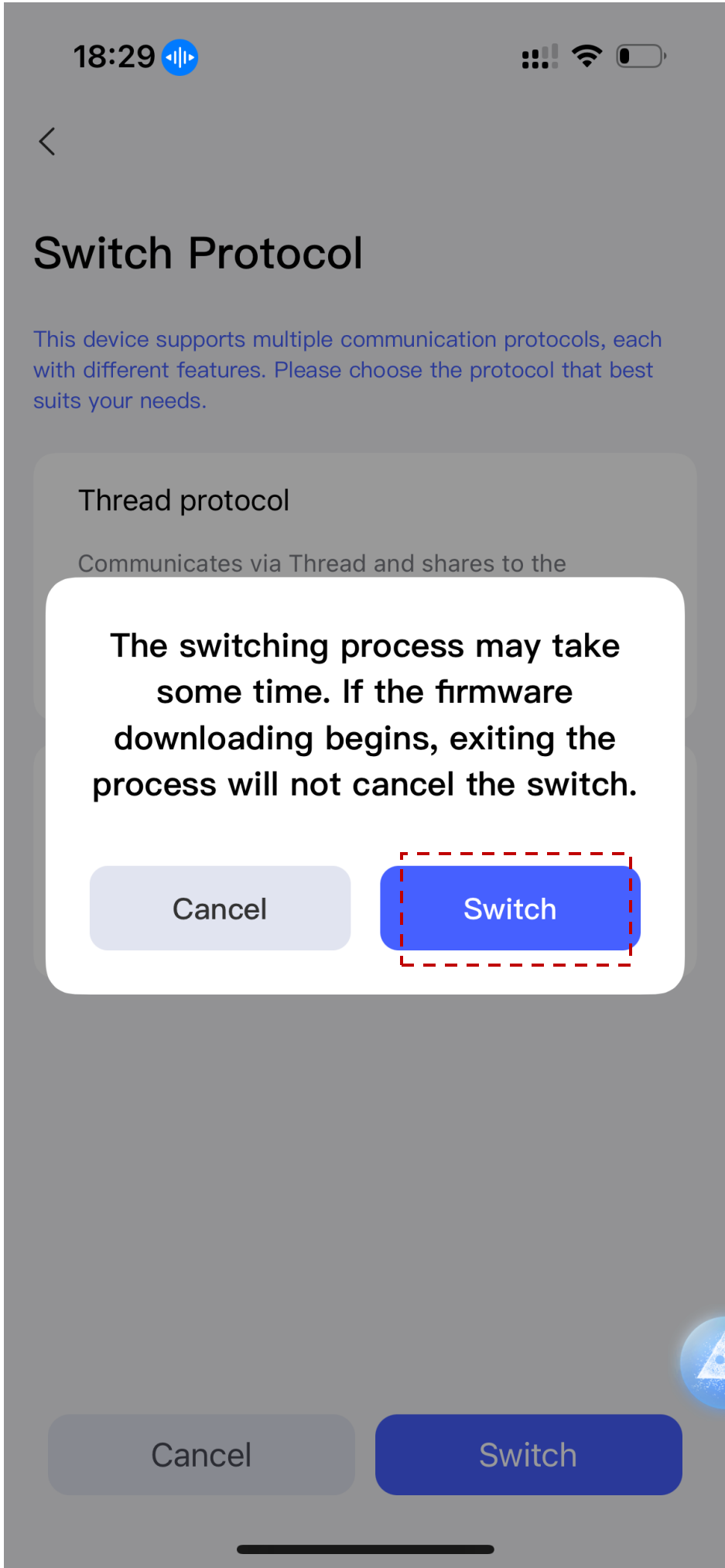
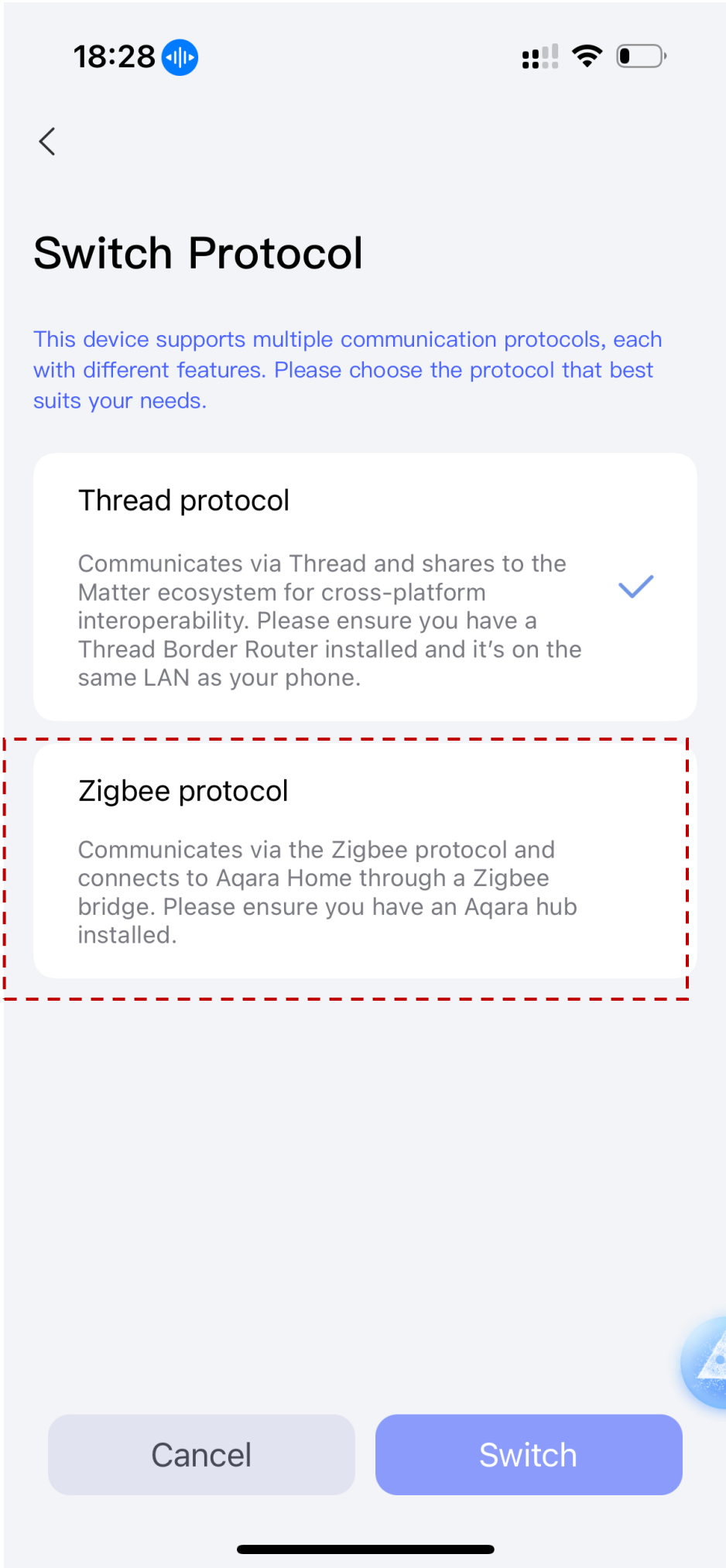
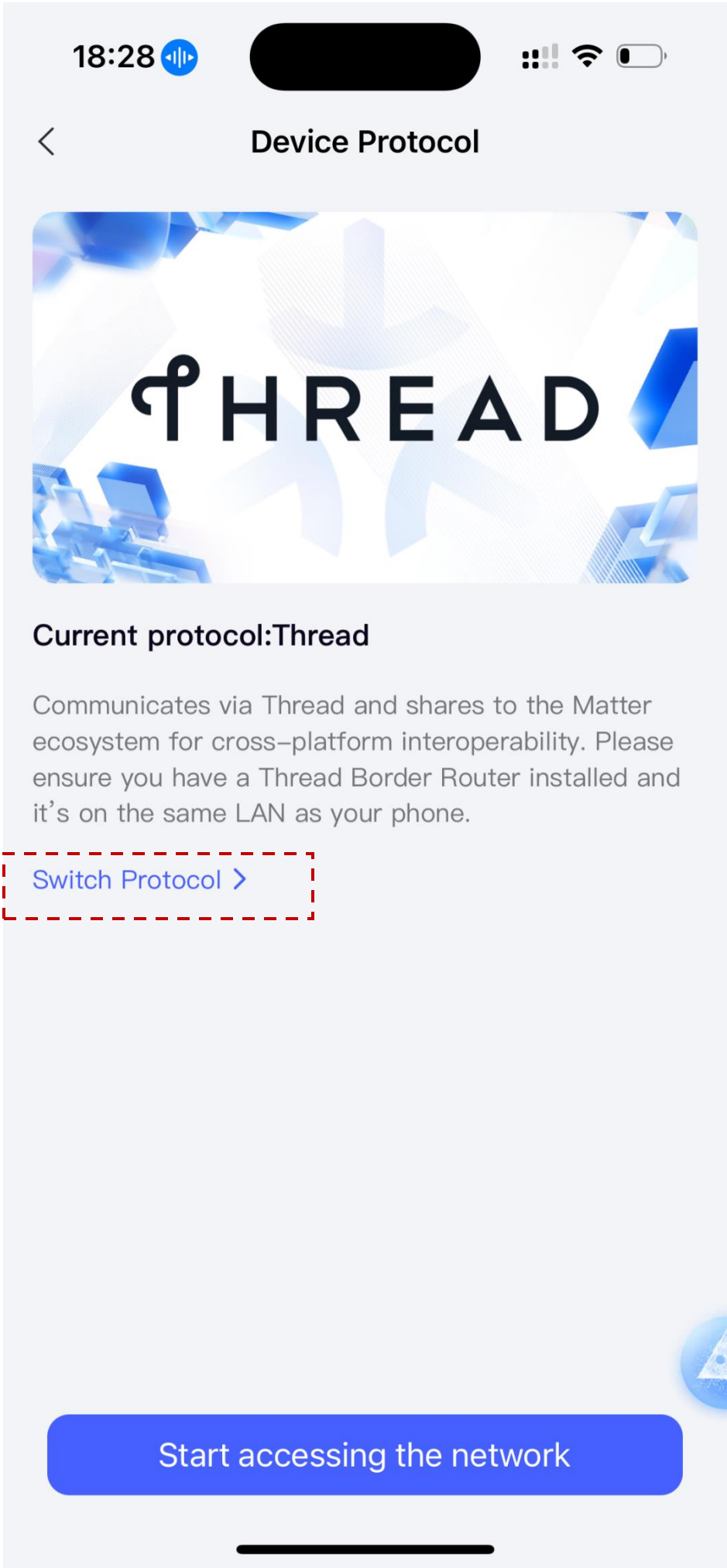


Matter QR code

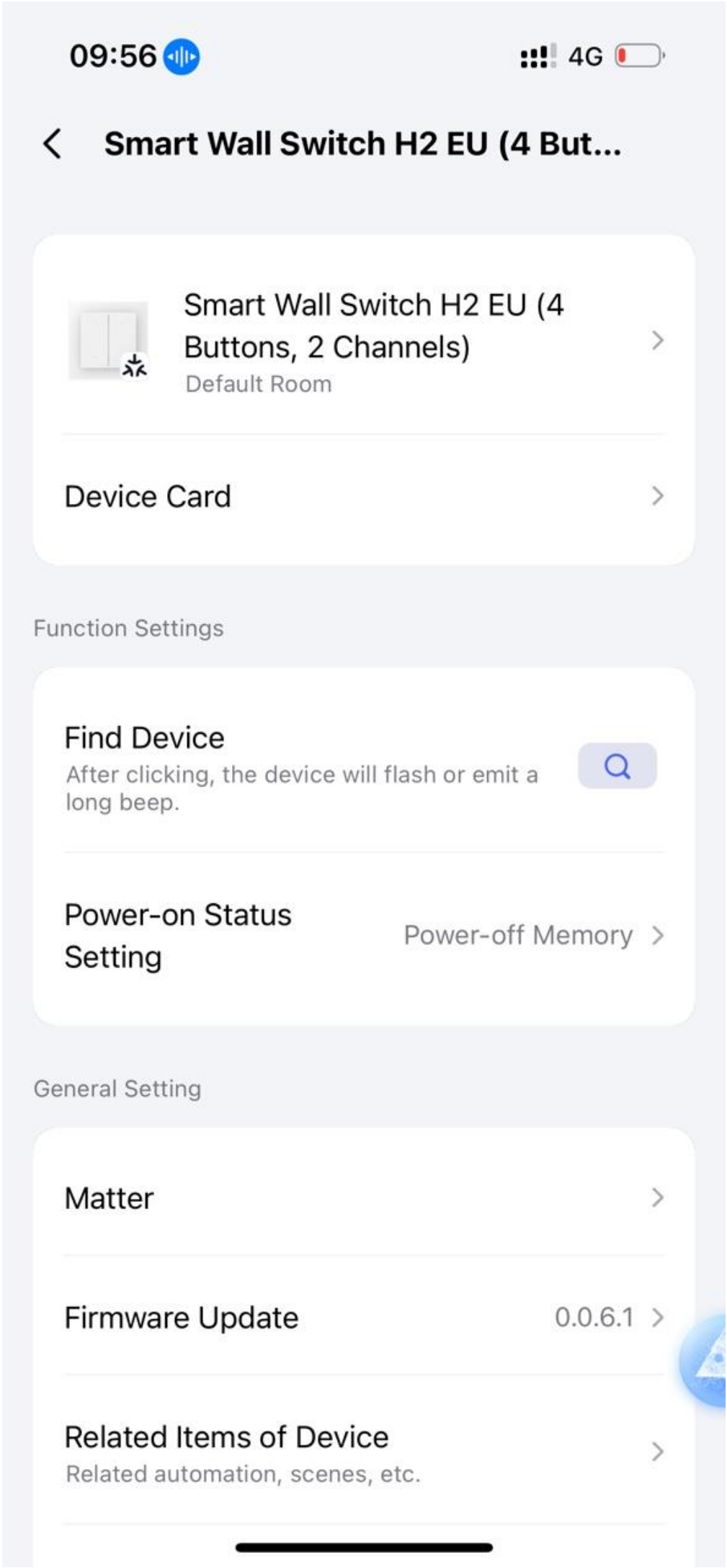


Switch Protocol

In the Aqara Home app, click 'Add Device,' then scan the Matter QR code under the device button. On the network setup page, select 'Switch Protocol' and choose the protocol type you need. Wait for the device to switch protocols.

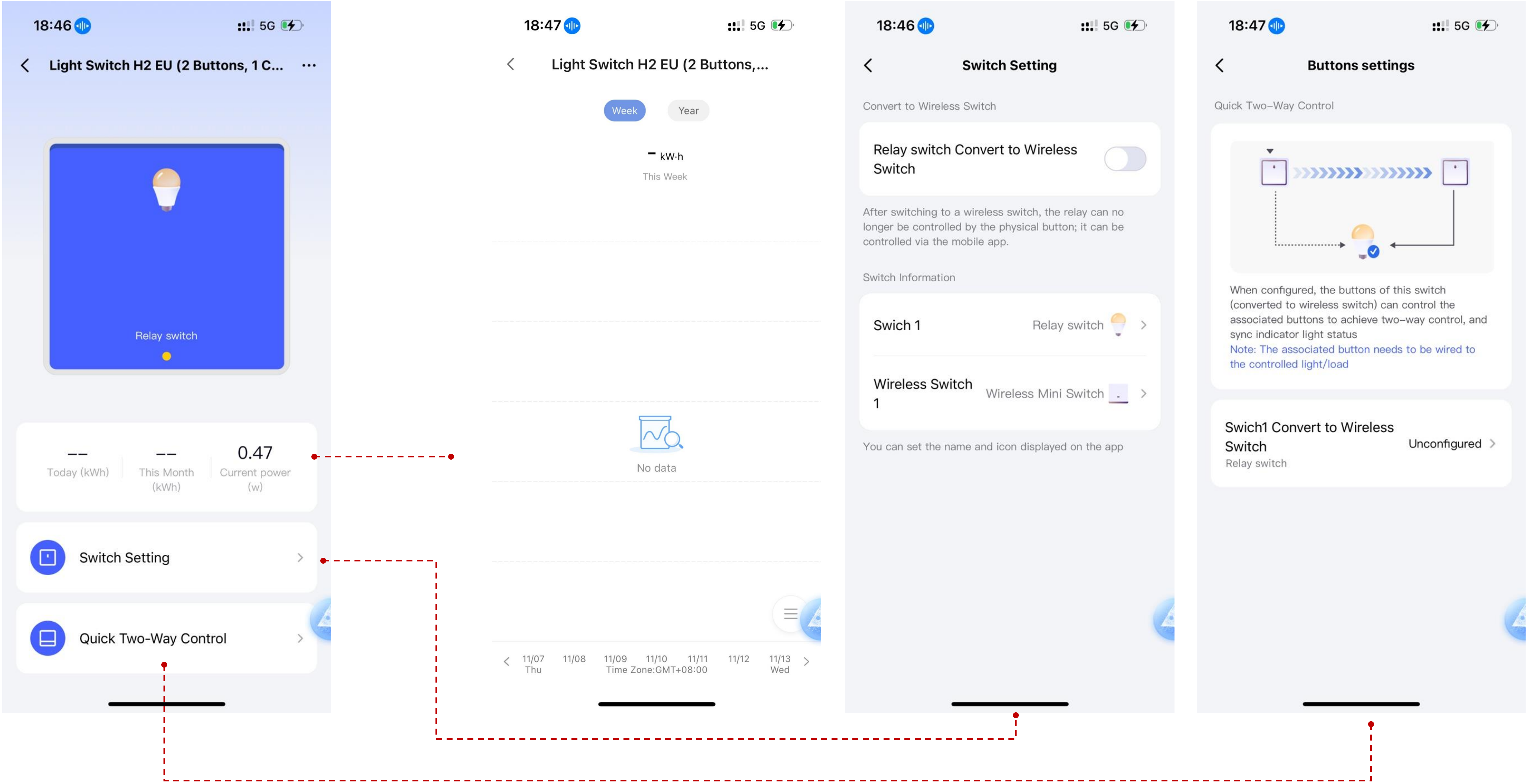


Software Function of Matter



Software Function of Zigbee

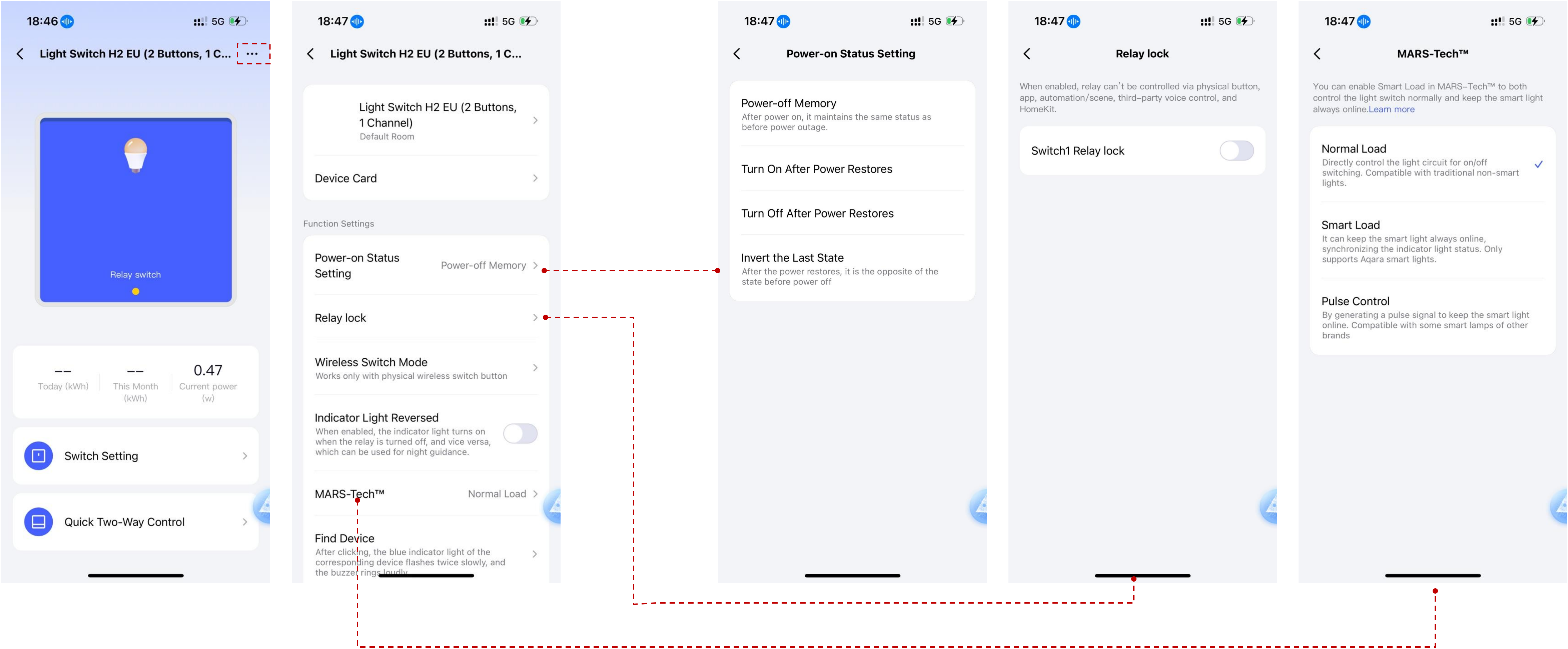
Aqara



continuous connection

Software Function of Zigbee

Aqara



Automation

Aqara Light Switch H2 EU supports below automation:

Automation(Thread protocol)

Automation(Zigbee protocol)

IF

THEN

For switch :

For switch:

Turn on

Turn on

Turn off

Turn off

Is on

Turn on/off

Is off

For wireless switch:

Single press

IF

THEN

Turn on

Turn on

Turn off

Turn off

Is on

Turn on/off

Is off

Turn off indicator light

press

Turn on indicator light

Relay lock

Relay unlock

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FAQ

1.Does the Light Switch H2 EU support both no-neutral (only live wire) and with-neutral wiring?

Yes, the Light Switch H2 EU is compatible with both no-neutral (only live wire) and with-neutral wiring setups, ensuring that it works with any wiring setup. No fretting over ending up with an unusable switch.

2.How to install the Light Switch H2 EU?

1. Use a screwdriver to loosen the screws on the back of the switch, connect the live wire to the L hole, the neutral wire to the N hole (if available), and the load (light) wire to the L1 hole. Ensure the wires are correctly positioned, then tighten the terminal screws.
2. Mount the power unit (base) of the switch to the junction box with the provided screws and mount the frame, switching unit, and buttons respectively.
3. Restore power at the circuit breaker and test the switch by pressing the button. If the light operates normally, the installation is successful.

*Note: Please make sure that the power at the circuit breaker or fuse box is turned on before wiring!

3.How to reset the Light Switch H2 EU (for network pairing)?

When not added, the switch will always be on networking mode (blue indicator light flashing) every time it is powered on. After connecting to the network, to reset: Quickly double-press any button of the device and then hold for 5 seconds (note that wireless switches cannot be used to reset). Blue light flashing indicates the device is now in pairing mode.

4.How to identify the live (L) wire and the load (L) wire?

Live wires are red, neutral wires are black or blue, and load wires are green or yellow typically. It is recommended to consult a professional electrician before installation.

5.How to display the switches in a row?

It is recommended to purchase the Aqara Switch frame for great compatibility during wall installation for a gang format display. For alignment and functionality together, Light Switch H2 EU can be installed together with Wall Outlet H2 EU and Dimmer Switch H2 EU using Aqara Switch Frame.

6.Can incorrect wiring in the terminal (hole) cause a short circuit?

Yes, incorrect connections can cause the switch to malfunction or even short circuit and burn out. Please follow the wiring instructions carefully or have a professional electrician perform the installation.

FAQ

7.How to connect the Light Switch H2 EU to phone?

1. Please make sure you have installed an app compatible with Matter, and have a Thread border router compatible with Matter.
2. Follow the prompts to correctly install the switch and power it on. The indicator light will start flashing blue, indicating that the device is in network pairing mode.
3. Open the app that supports Matter, scan the Matter QR code on the manual or product, or enter the setup code to add the device to the app.

8.What is the maximum communication distance between Switch H2 EU and the Thread border router?

Light Switch H2 EU can communicate up to 7-10 meters with the border router through a single wall. In environments with multiple walls, it is advisable to position the switch closer to ensure a stable connection.

9.Which devices are not supported for Light Switch H2 EU using no-neutral wiring?

Devices unsupported under no-neutral wiring include smart lights (such as dimmable, adjustable mode, color-changing, gradient lights, and lights with built-in controllers), LED strips, etc. Additionally, no wiring setup supports high-power appliances like bathroom heaters.

10.What power rating of lights is required for proper operation with Light Switch H2 EU?

1. With-neutral wiring: no minimum load power requirement.
2. No-neutral wiring: Each circuit can support a minimum load of a 3W energy-saving bulb, a 5W LED bulb, or a 16W fluorescent bulb. However, for some niche brands or lights with inferior materials, issues such as flickering or switch freezing may occur due to poor internal circuit design of the fixtures, even if the power exceeds these requirements. Users are advised to choose carefully.

*Please note: If it is an old-fashioned tube lamp with a starter, please replace the electronic starter.

11.What is the in-wall depth of Light Switch H2 EU?

The dimensions of Light Switch H2 EU are 85.88645 mm, with a base depth of 30mm.

THANK YOU