



Aqara Smart Door Lock U400 Introduction

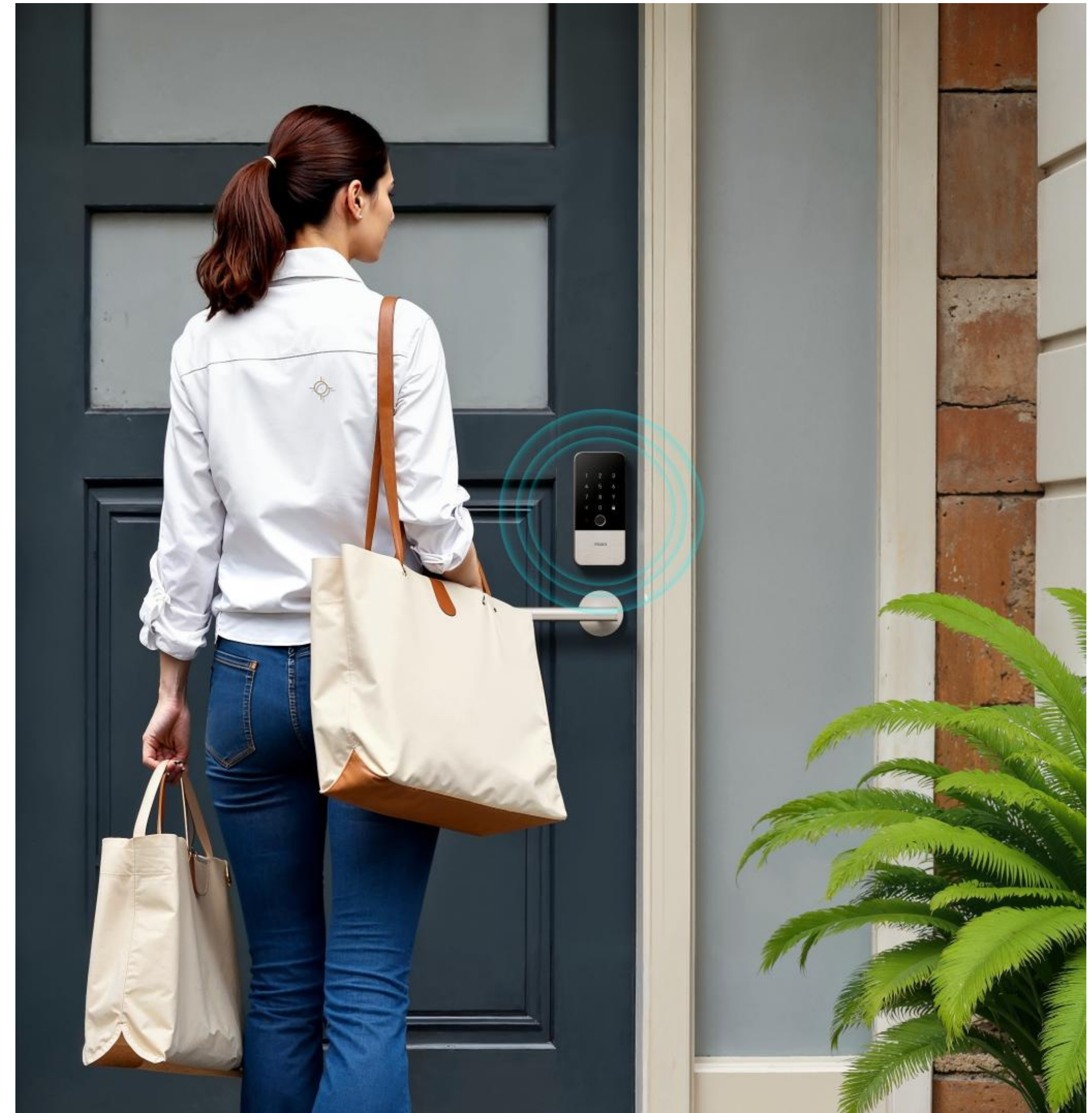
continuous connection

Content

- **Product Introduction**
- **Installation**
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Aqara Smart Door Lock U400 Overview

The Aqara Smart Lock U400 uses cutting-edge Ultra-Wide band (UWB) to give you hands free access to your home. Your phone becomes a digital key that unlocks the door as you approach, with no tapping or codes required. Engineered for flexibility, it supports Apple home keys with native Matter compatibility, ensuring effortless integration across ecosystems. With an IP65 waterproof rating and BHMA certification, the U400 combines convenience, security, and durability in one sleek device.



UWB - What is UWB technology?

Ultra Wide band (UWB) is a short-range near-field radio technology that supports the transmission of very short and high-frequency pulse signals with an extremely wide bandwidth.

The benefits of wide spectrum:

- Accuracy: Short pulse (~2ns) ->centimeter level ranging error.
- Security: "A tiny difference can lead to a thousand miles of error", UWB has a high ability to resist relay or replay attacks. Even nanosecond level delays can be amplified to decimeter or meter level errors, so unlocking will not occur.

1

High-Precision Positioning

UWB technology enables centimeter-level accuracy, making it widely used in indoor positioning and asset tracking.

2

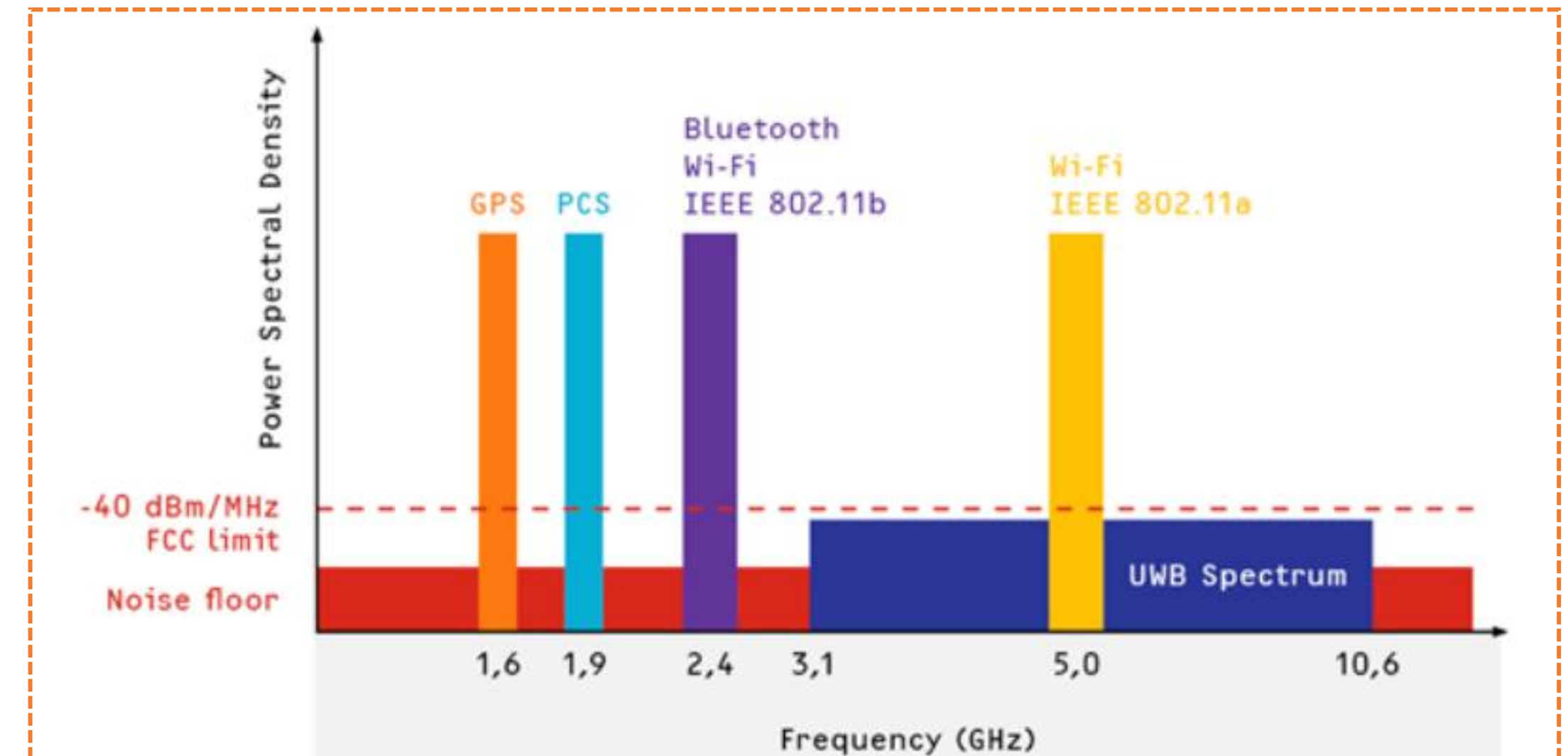
High-Speed Transmission

UWB supports data transfer rates of up to 480 Mbps, ideal for large-volume data transmission.

3

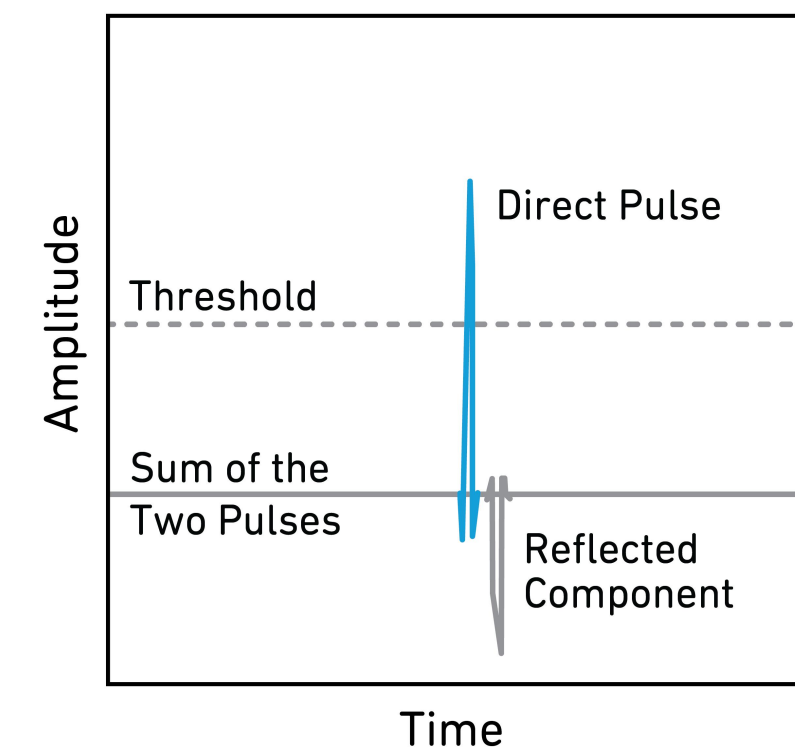
Strong Interference Resistance

The broad bandwidth of UWB makes it highly resistant to multi path effects and interference, making it suitable for communication in complex environments.

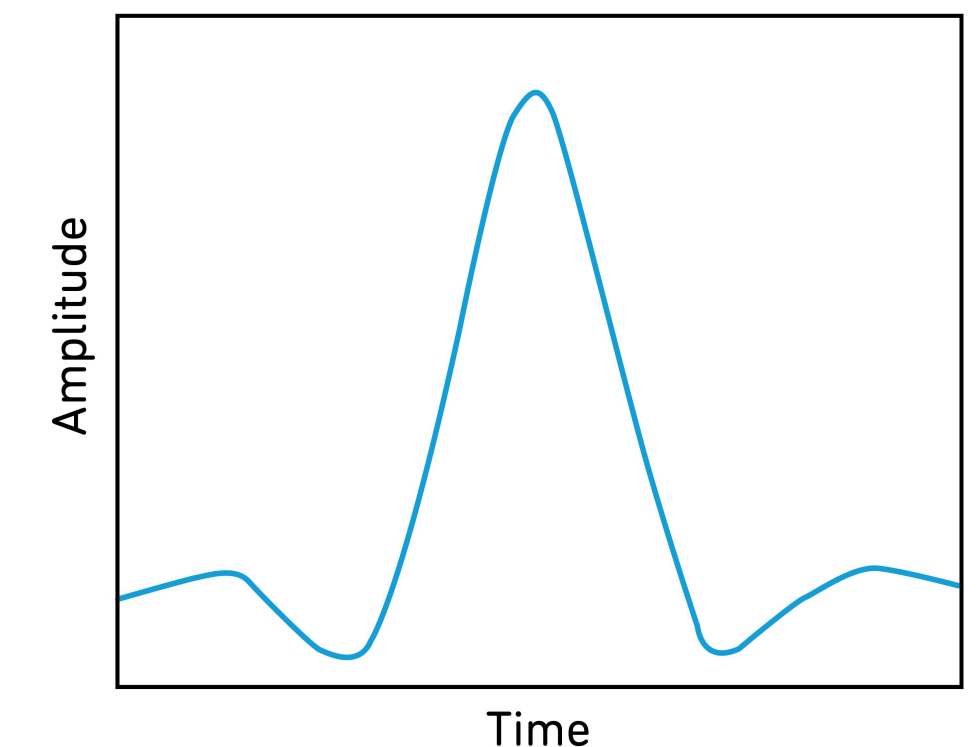


UWB vs Wi-Fi & Bluetooth

Ultra-Wideband with Reflections

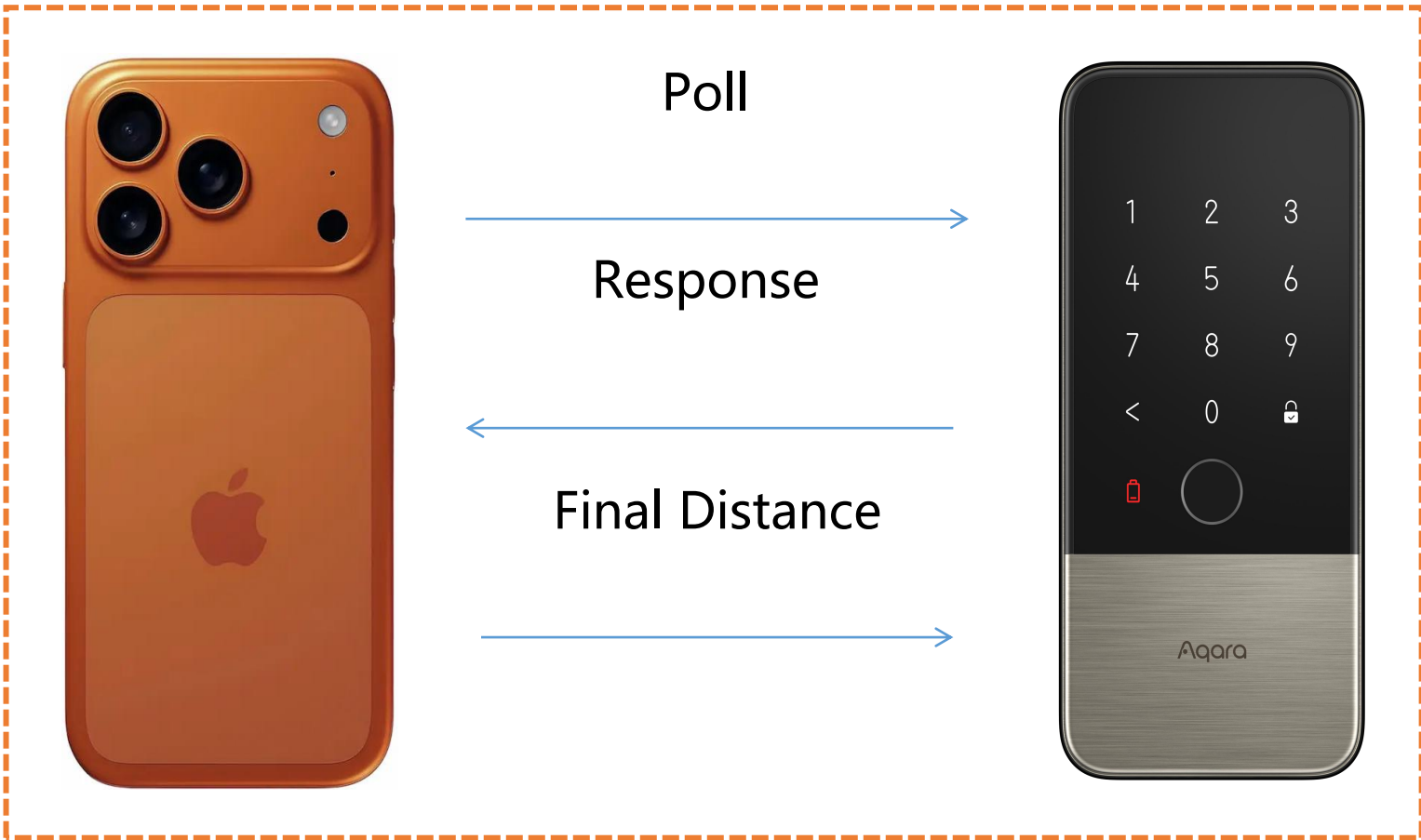


Narrowband (Wi-Fi & Bluetooth® Low Energy)



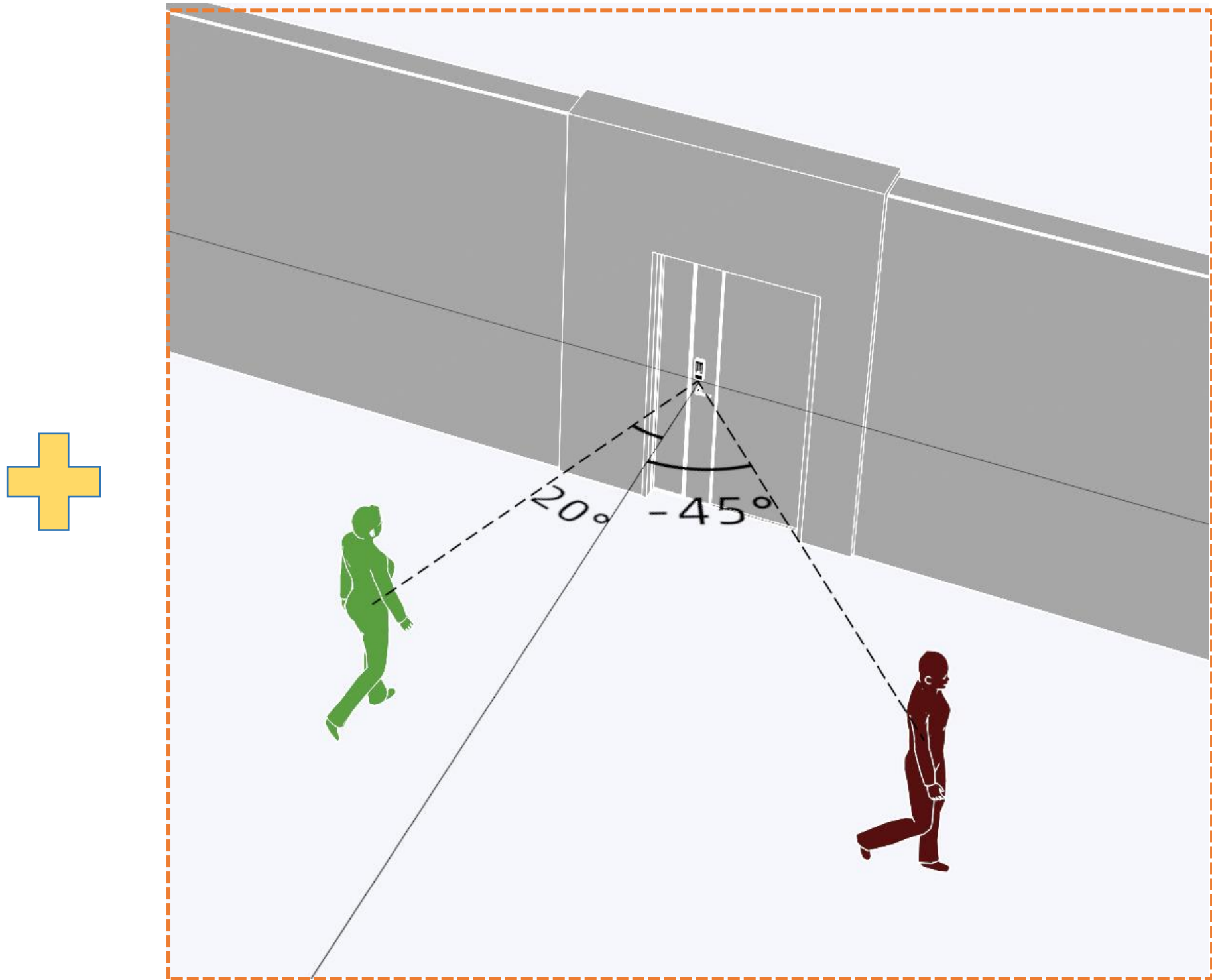
UWB - How does UWB work?

Time of Flight (TOF)



Distance

Angle of Arrival (AOA)



Angle

= "Exact position"

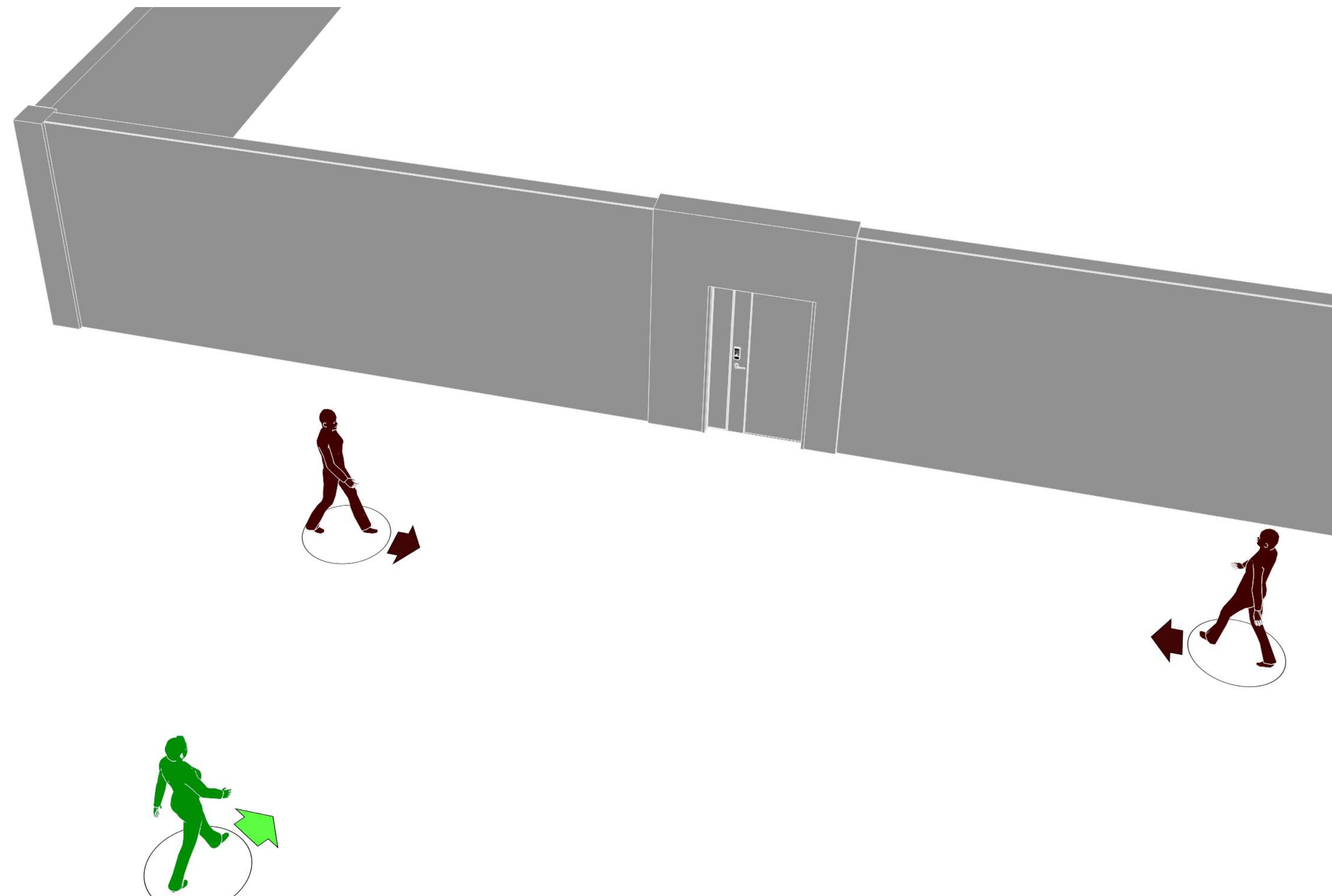
Exact Location

UWB - How does UWB work?



UWB - Multi-Exact-Positions --- Users' Unlock Intention

Dynamic unlocking range: Depending on the user's approach speed and intention, the unlocking range can be expanded up to a maximum of 2 meters.



UWB - Why is UWB secure?

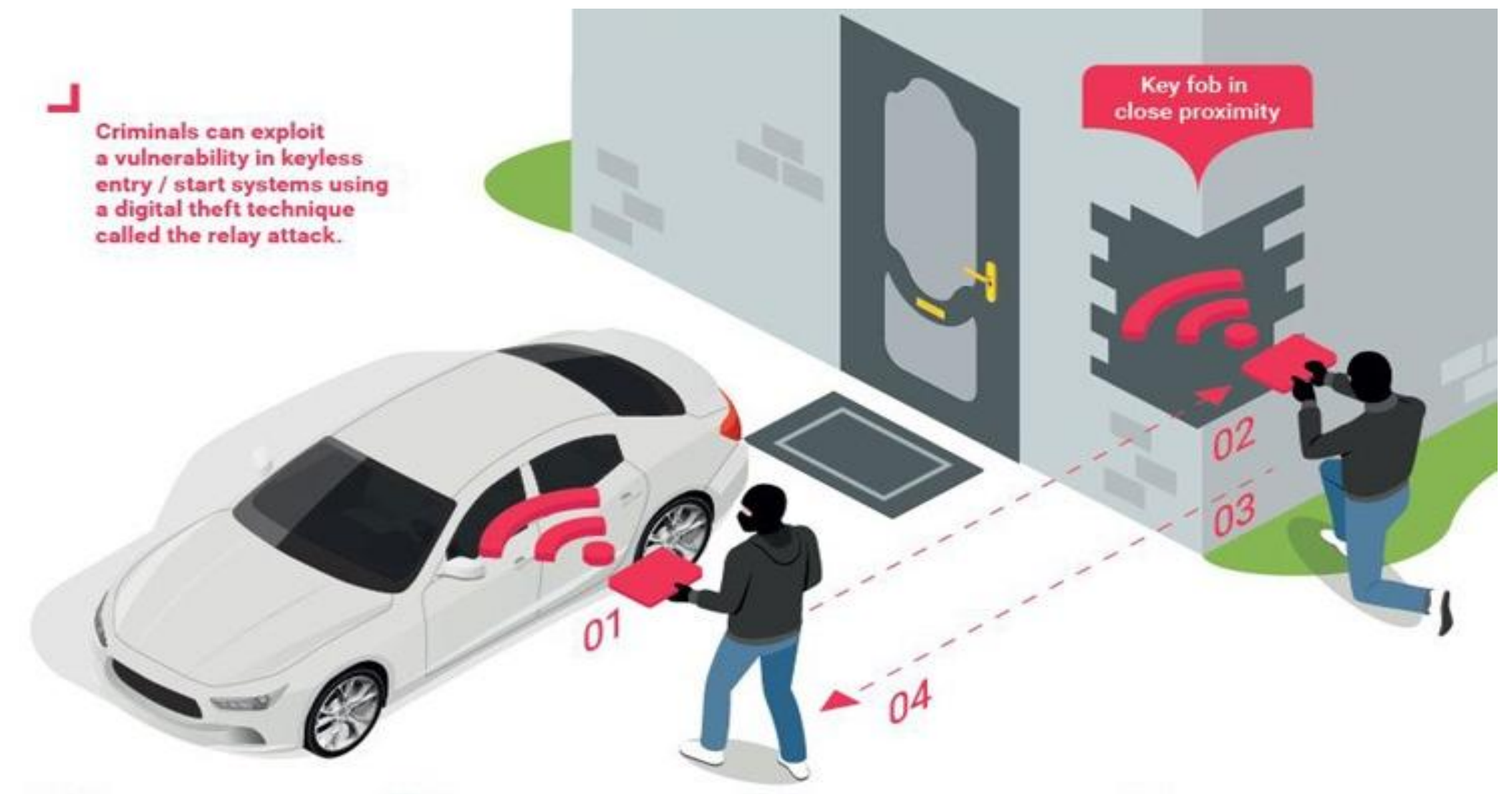
Scrambled Time-stamps Sequence(STS)

- End to end encryption: The door lock and phone/watch use a unique random code every time they measure distance, and attackers can only see randomly generated garbled codes without any pattern.



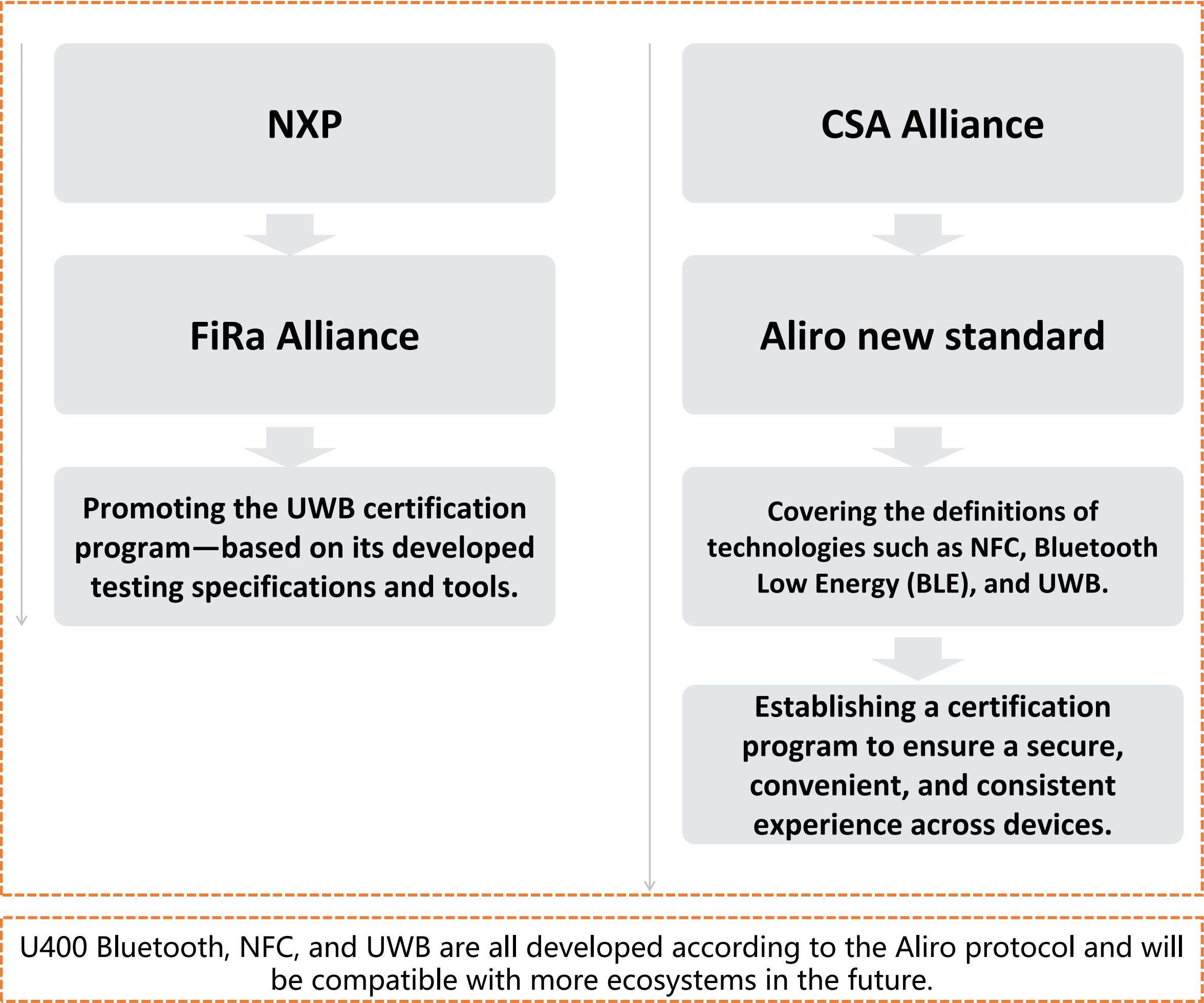
Resistant to relay or replay attack

- Thanks to the characteristics of UWB signals, even small delays (at the nano scale) can be recognized by the lock as being too far away.
- UWB not only recognizes identity, but also verifies whether the user is truly standing in front of the door



continuous connection

CSA Alliance & Aliro Protocol & FiRa Certification



FiRa Alliance

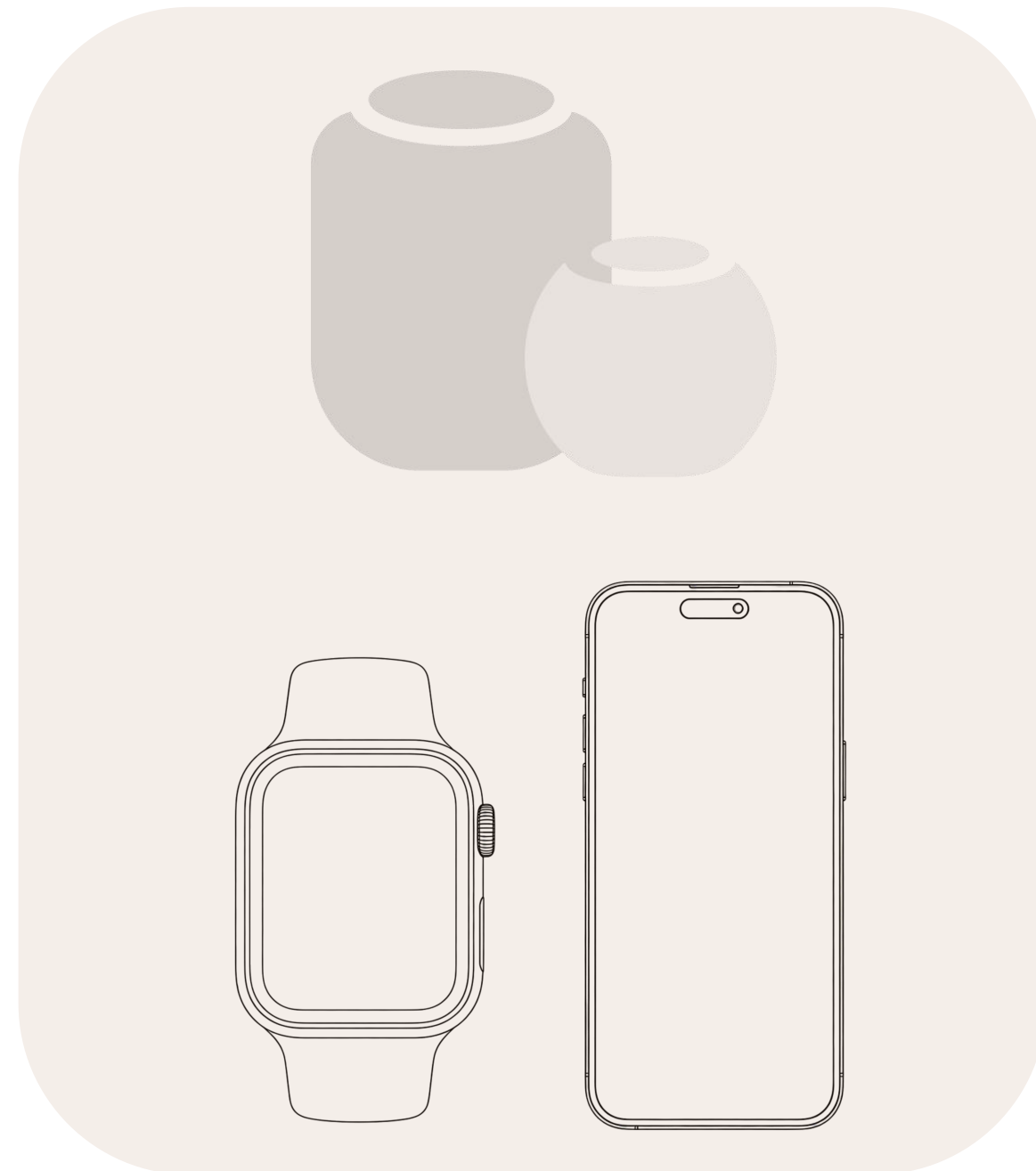
The FiRa Alliance is a non-profit organization established in 2019 with the support of NXP, aiming to drive the adoption of UWB (Ultra-Wide band) technology in applications such as access control, location-based services, and device-to-device communication. The alliance has created a certification program based on its testing specifications and tools, primarily targeting consumer devices to ensure interoperability in ranging and positioning using UWB.

Connectivity Standards Alliance (CSA)

Originally known as the Zigbee Alliance, the CSA (Connectivity Standards Alliance) is now best known for introducing the Matter standard, which focuses on smart home and IoT interoperability. In 2023, CSA launched a new standard called Aliro, which redefines how users unlock doors and other entry points using mobile devices or wearable. The Aliro protocol, backed by nearly 200 member companies including Apple, Samsung, and NXP, incorporates NFC, Bluetooth Low Energy (BLE), and UWB technologies. Similar to Matter, CSA will establish a certification program for Aliro to ensure secure, convenient, and consistent cross-device experiences.

In order to enable users to interact with any other UWB device, whether it is a home air conditioner or a car access control, an ecological cooperation system is needed to develop secure and interoperable solutions. To achieve this seamless interaction, FiRa, CCC, and CSA collaborate to increase interoperability, scale up, and promote next-generation UWB use cases

Apple Home - Compatibility Requirements



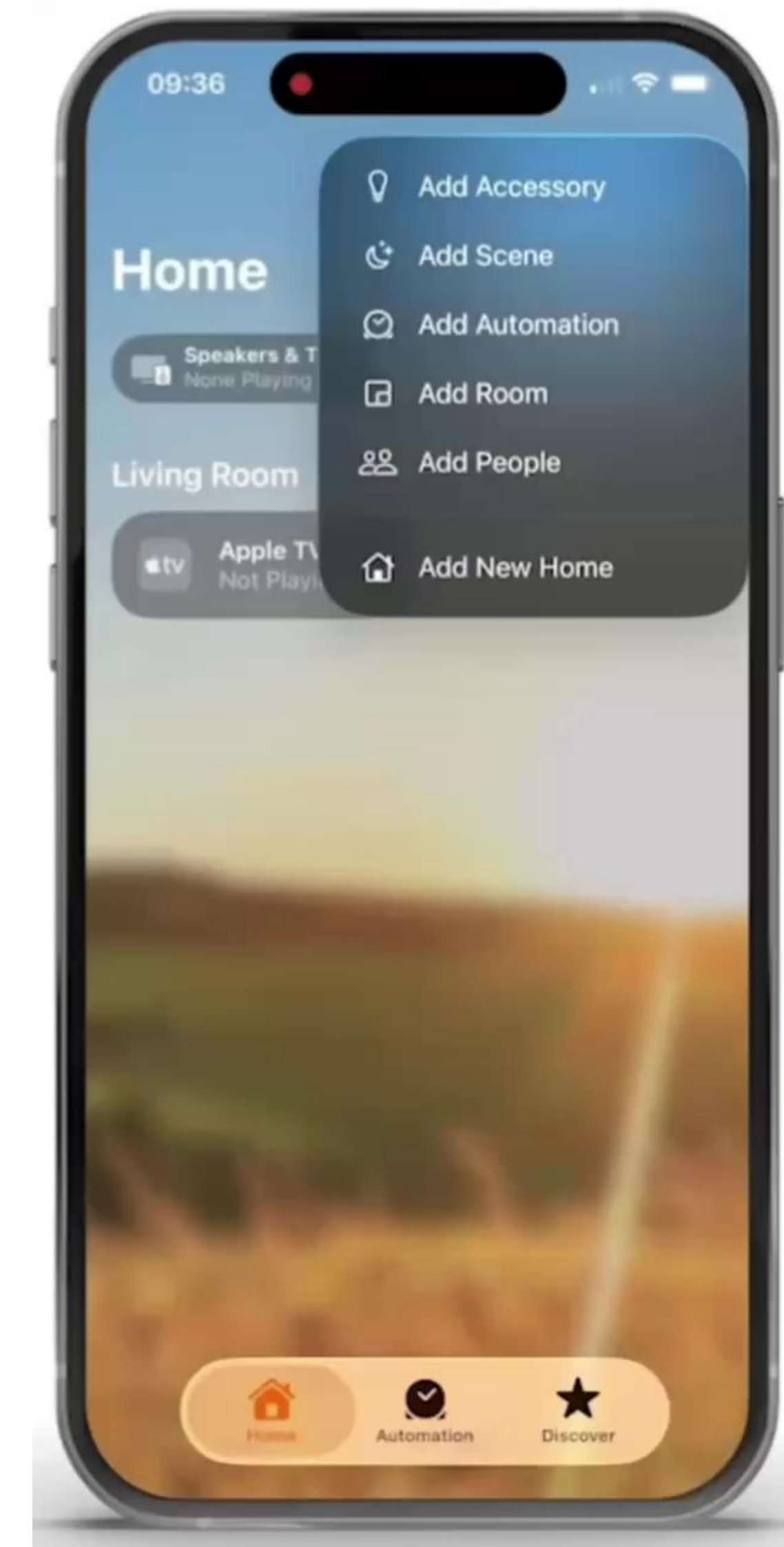
Control of this accessory requires a Thread-enabled home hub such as Apple TV 4K, HomePod (2nd generation), HomePod mini, or a compatible third-party Thread border router running the latest software.

Hands-free unlock with home key is available with Apple Watch Series 6 and later, excluding Apple Watch SE, running watch OS 11.5 or later and iPhone 11 and later, excluding iPhone SE (2nd and 3rd generation) and iPhone 16e, running iOS 18.5 or later.

Tap to unlock with home key is available for iPhone XS and later running iOS 17.1 or later and Apple Watch Series 4 and later running watch OS 10.1 or later.

Apple Home - Compatibility Requirements

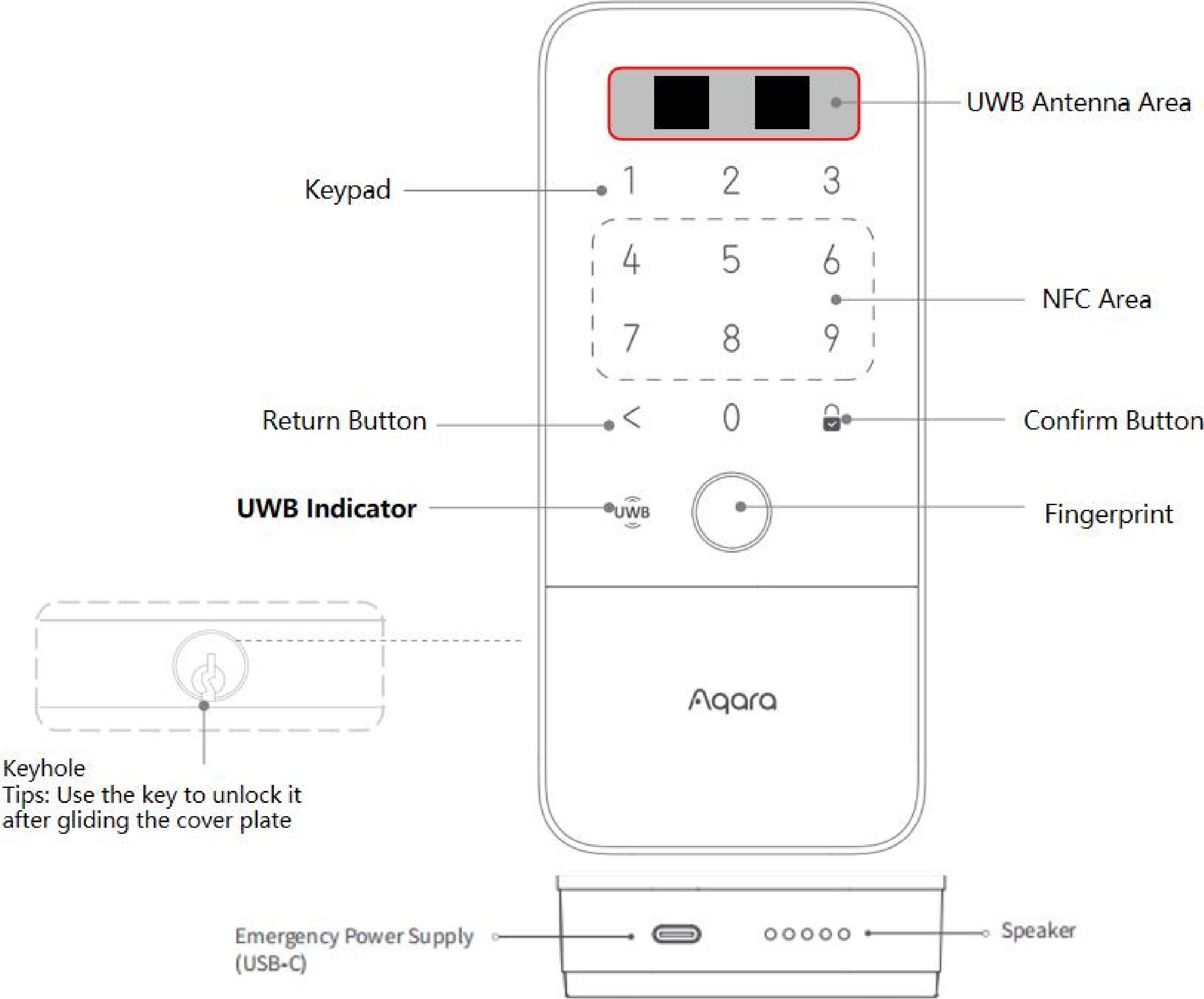
1. Ensure your phone and Thread-enabled home hub are under the same Wi-Fi network.
2. Device Bluetooth must be enabled during the binding process and when using hands-free unlock with Apple home keys feature.
3. Press the lock Set button once to enter pairing mode and scan the Matter pairing code to start binding.
4. We recommend enabling Express mode to enjoy hands-free unlock with Apple home key feature.



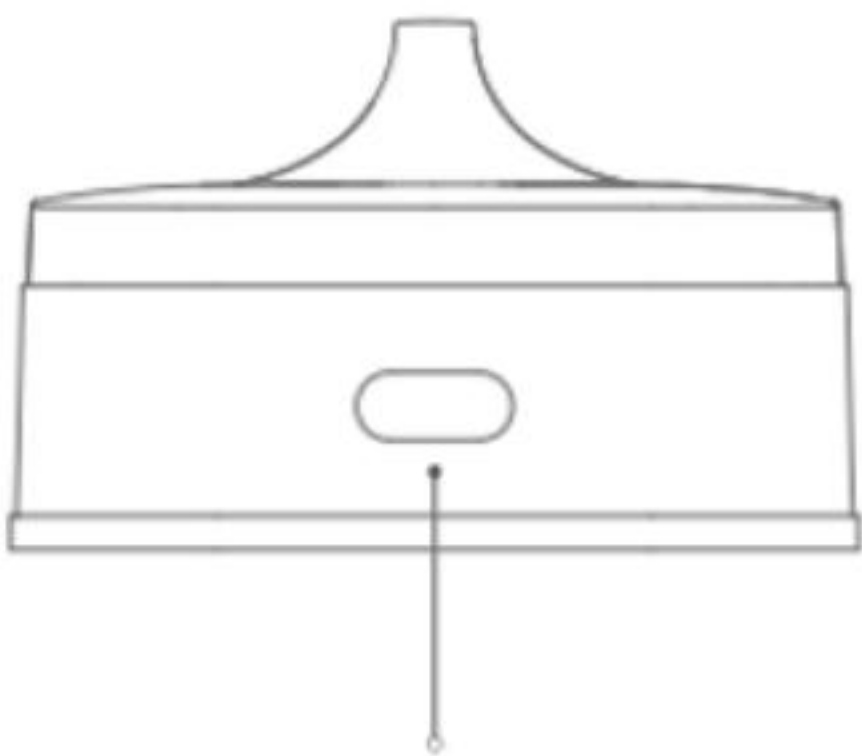
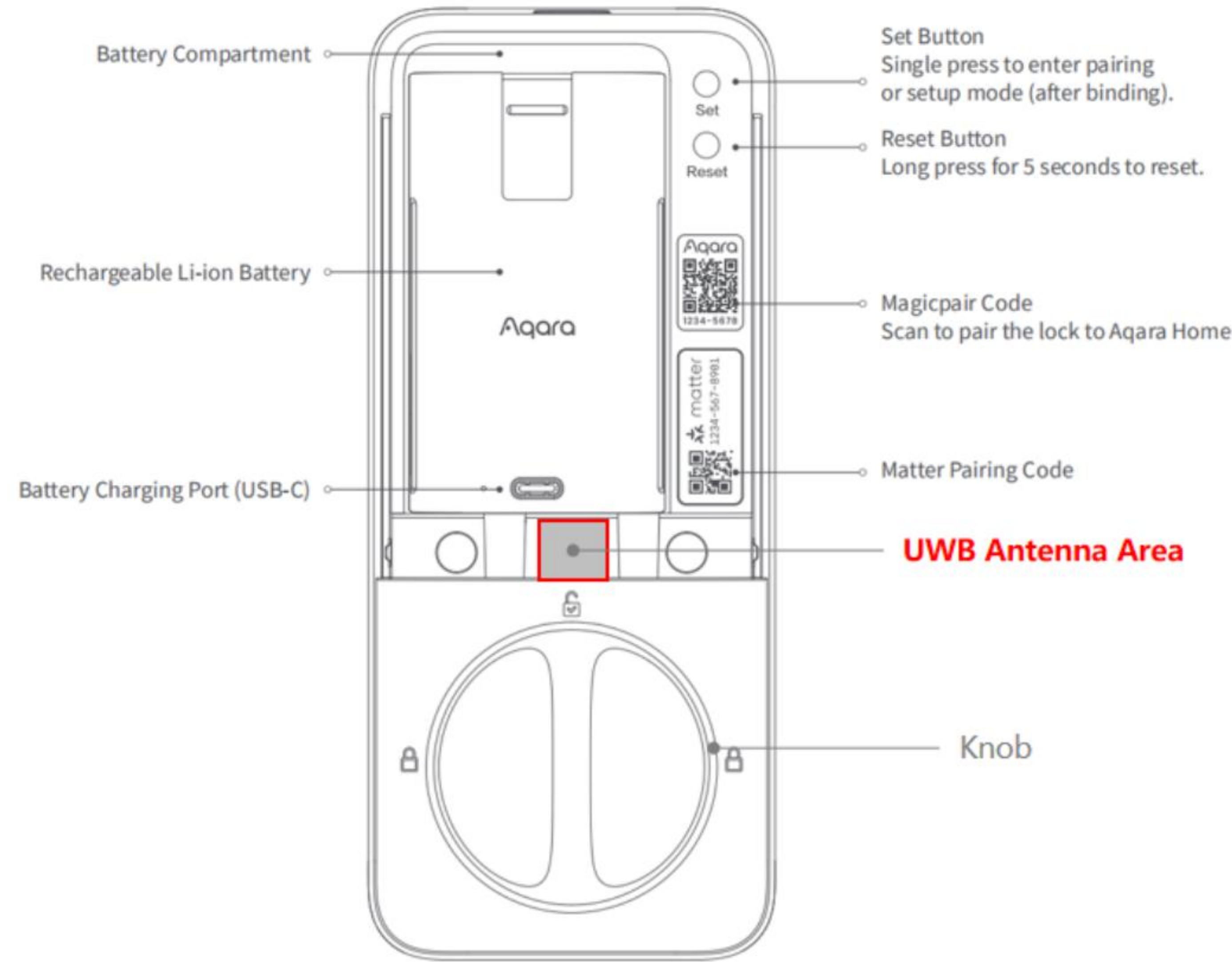
Apple Home - How to use hands-free unlock

How to use hands-free unlock with Apple home key

Product ID - Front Panel

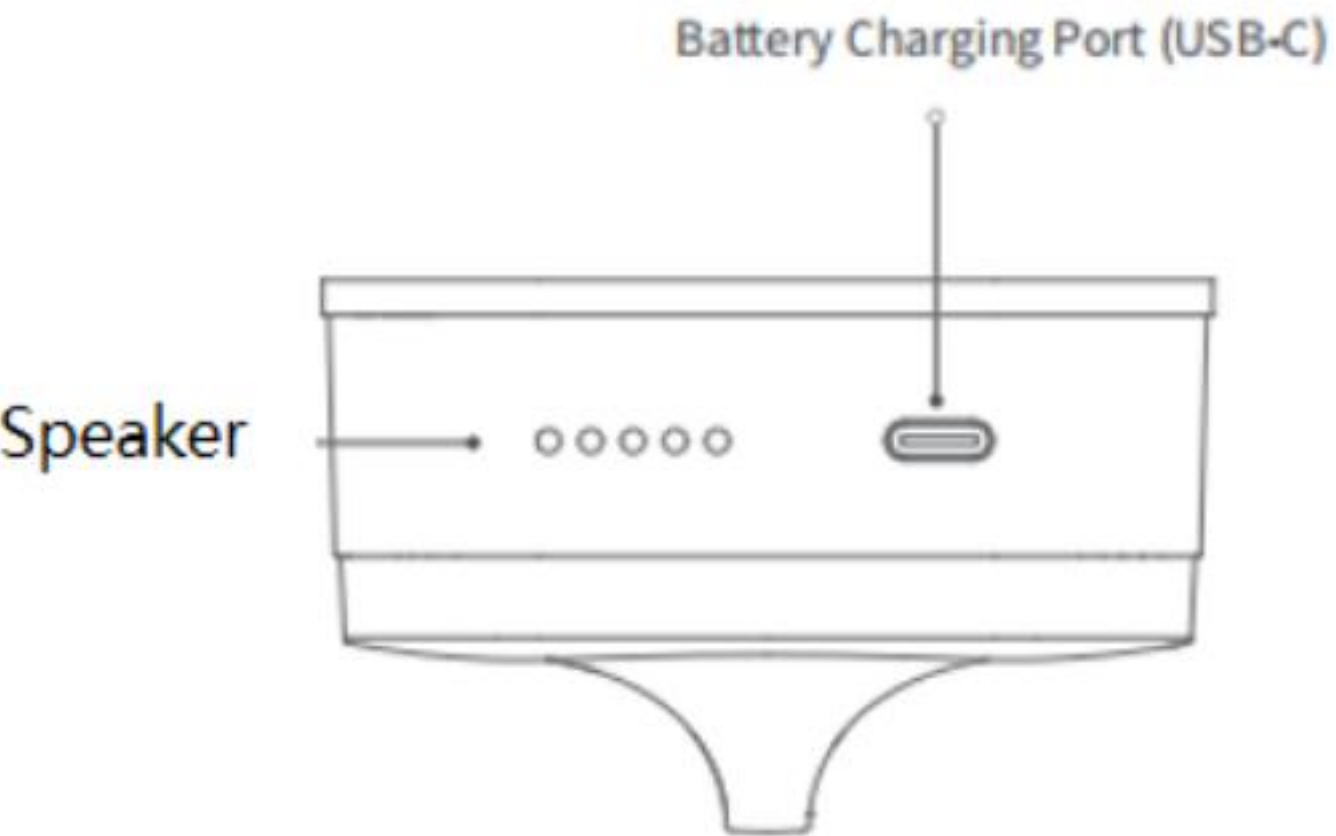


Product ID - Rear Panel



Action Button

Long press for 3 seconds to toggle the Auto-Lock on Close feature by default.



Comparison of Different Versions

Aqara Online Version	Aqara Offline Version	Apple Version
		
• Surface IML (Matte Surface) • Surface technology: spray coating • Front lock body+rear lock knob material: aluminum alloy • Certification regions: FCC in the United States, IC in Canada, IMDA in Singapore, RCM&RSM in Australia • BHMA Level 3, IP65 Rating	• Flat PMMA (matte surface) • Surface technology: spray coating • Front lock+rear lock knob material: aluminum alloy (sliding cover is zinc alloy) • Certification regions: FCC in the United States, IC in Canada, IMDA in Singapore, RCM&RSM in Australia • BHMA Level 3 IP65 Rating	• Flat PMMA (matte surface) • Surface technology: electroplating and wire drawing • Front lock+rear lock knob material: zinc alloy • Certification regions: FCC in the United States, IC in Canada, IMDA in Singapore, RCM&RSM in Australia • BHMA Level 3 IP65 Rating

Comparison of Different Versions

Smart Lock U400	Aqara Online Version	Aqara Online Version	Aqara Offline Version	Aqara Offline Version	Apple Version	Apple Version
Model	DL-D06E	DL-D16E	DL-D06D	DL-D16D	DL-D17D	DL-D15D
Color	Black	Silver	Black	Silver	Shadow Black	Satin Nickel
Finishing	Matte (Spray Coating)		Matte (Spray Coating)		Brushed (Electroplating)	
Package Content	Rechargeable Li-ion Battery × 1		Rechargeable Li-ion Battery × 1 + Hub M100 × 1		Rechargeable Li-ion Battery × 2	
External Panel						
Shape	Curved		Flat		Flat	
Main Body Material	Aluminium		Aluminium		Zinc	
Gliding Plate Material	Aluminium		Zinc		Zinc	
Keypad Material	PC + PET		PMMA		PMMA	
Internal Panel						
Main Body Material	Plastic					
Knob	Aluminium		Aluminium		Zinc	

Support Aqara Hubs



Doorbell Camera Hub G410



Hub M3



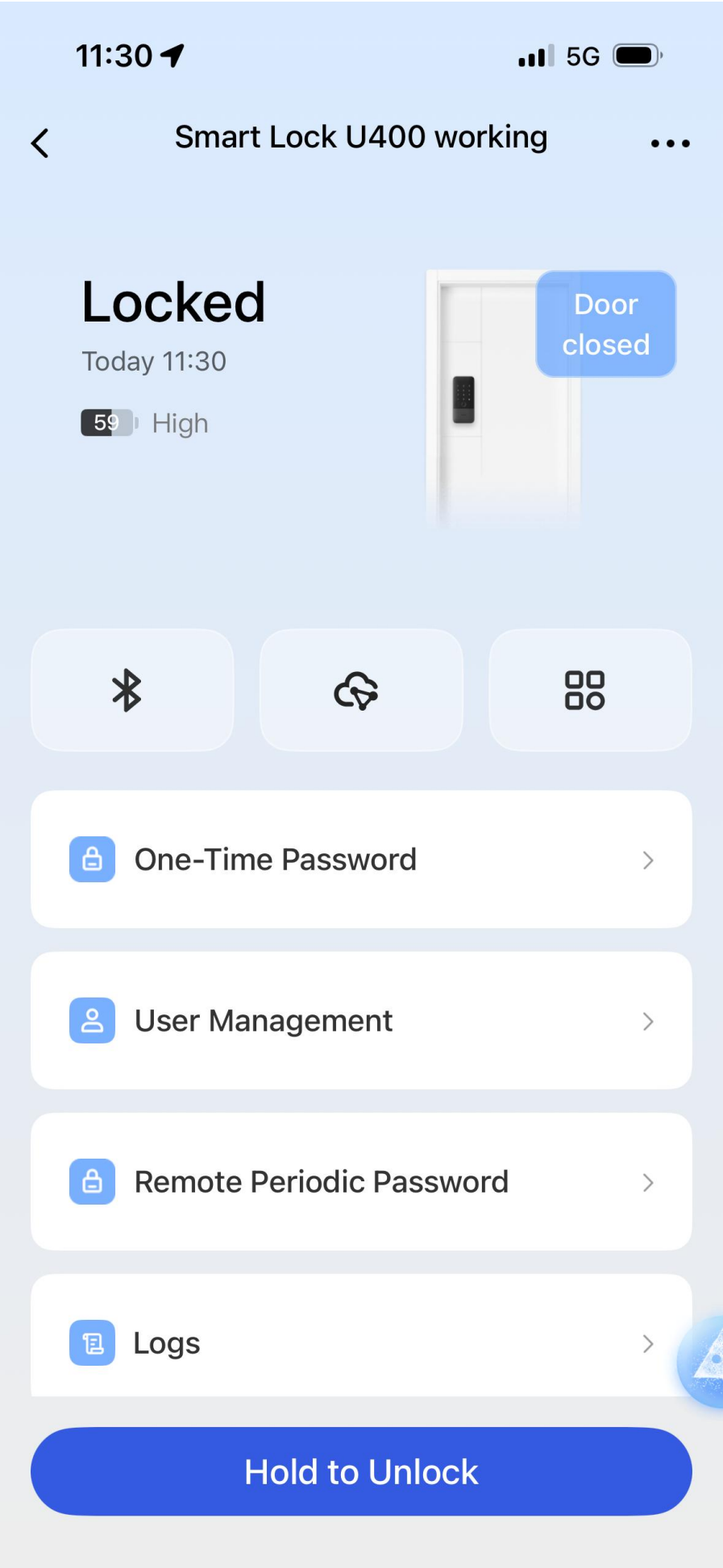
Hub M100



Camera Hub G5 Pro

Bluetooth Function (Used in Aqara Home & No Hub Bound)

Functions of Bluetooth local direct connection	
Native supported features Aqara Home Support BLE binding	Unlocking and locking
	Local user management
	Set user fingerprint, password and NFC equipment
	Create a periodic user and password locally
	Remotely create a one-time password
	View logs and power consumption
	Volume language settings, Voice OTA function
	Bluetooth firmware OTA update
	Door lock function settings
	Door lock calibration
	Custom button settings
	Close and lock the door
	Delayed locking
	Do not disturb mode
	Electronic anti-lock
	Normally open mode (TBD)
	Connect Matter Controller



Support binding the Matter ecosystem gateway

To connect Matter over Thread device, you will only need a Thread-enabled Matter Controller of the desired ecosystem:					
					
Amazon Alexa	Apple Home	Google Home	Home Assistant	Homey / LG ThinQ	Samsung SmartThings
Amazon Echo (4th-gen)	Apple HomePod (second-gen)	Google Nest Hub (2nd Gen)	Nabu Casa Home Assistant Yellow	Homey Pro	Aeotec SmartThings Smart Home Hub
Amazon Echo Hub	Apple HomePod Mini	Google Nest Hub Max		Homey Pro Mini	Samsung SmartThings Station
Amazon Echo Show 8 (3rd-gen)	Apple TV 4K (2nd gen)	Google Nest Wifi Pro			Samsung SmartThings Hub Dongle
Amazon Eero 6, Pro 6, 6 Plus, Max 7 etc.	Apple TV 4K (3rd gen, 128 GB)	Google TV Streamer (4K)			Samsung SmartThings Hub v3
Learn More >	Learn More >	Learn More >	Learn More >	Learn More >	Learn More >

Reference: <https://www.aqara.com/en/explore/everything-matter/>

Third-party Platform Function List

Connected the 2-in-1 Matter Controller and Thread Border Router						
	Aqara Home	Apple Home	Google Home	Amazon Alexa	Samsung SmartThings	Home Assistant
UWB unlock	×	•	×	×	×	×
Remotely unlocking and locking via App	•	•	•	×	×	×
Remotely unlocking and locking via Matter	•	•	•	•	•	•
Voice unlocking and locking	×	•	×	•	×	×
Remotely view door lock status	•	•	•	•	•	•
Remotely check the door lock power	•	•	•	×	•	•
Set up multiple Matter Administrator Multi-Admin / Fabric Sync	×	•	•	×	×	×
Remotely Set Matter password	•	•	•	• Supports 4-digit access code	×	×
Remotely Set periodicity of Matter Password	•	•	•	×	×	×
Set up automation	•	•	•	•	•	•
Remotely view door lock logs	×	•	×	×	•	•
Generate Matter code	•	•	•	•	•	•
			(Generating a pairing code or directly selecting another ecosystem you want to bind to will automatically redirect you to the network)			
OTA Function	•	• (Matter OTA, Automatic updates at night, users need to enable automatic updates)	×	×	×	×

****Aqara needs to bind a Thread enabled Matter Controller to support the above remote functions**

	Only through Aqara Home	Bind to other ecosystems through third-party hubs	Used by binding through the Aqara Matter hubs
Core Differences	You need to be near the door lock for a direct Bluetooth connection.	Support remote functions	Support remote functions
		Support automation	Support automation

Selling Points



Hands-Free, Instant Unlock

Still struggling to find your keys or pull out your phone? UWB frees your hands. Whether you're carrying heavy bags in the rain or holding your child, you can walk right in—effortlessly.

Powered by Ultra-Wide band (UWB) technology, it achieves centimeter-level precision by measuring Time of Flight (TOF) and Angle of Arrival (AOA), ensuring seamless and secure access.

Smart Intent Recognition

UWB technology helps track your movement trajectory, speed, and direction. The door unlocks only when you approach the lock in a stable, intentional path. Simply passing by or lingering near the door won't trigger an unlock.

One-Way Unlock Protection – No Accidental Unlocking from Indoors

Worried that your child might accidentally unlock the door while playing with a phone in the living room? No worries. The smart lock detects when you're inside and prevents unintended unlocking. Its precise positioning system ensures security for you and your family.

One-Tap Sharing for a Seamless "Hands-Free Unlock" Experience – Enjoy Cutting-Edge Tech as a Family

Easily share door lock access via Apple Home family group. Your family and friends don't need to register an account or pair any devices—once they accept the invitation, their UWB unlocking capability is automatically synced.

***Currently only supported by Apple**

Selling Points



Smart Intent Recognition

UWB technology helps track your movement trajectory, speed, and direction. The door unlocks only when you approach the lock in a stable, intentional path. Simply passing by or lingering near the door won't trigger an unlock.

Life Case:

For example, in L-shaped designed households, some indoor parts exceed the position of the door lock. Users can adjust the direction close to unlocking in Aqara Home or Apple Home app to avoid accidental unlocking. As shown in the picture, there is a part of the interior area on the left side of the house that exceeds the lock body. Users can close the left side to prevent accidental unlocking.



Selling Points



Unlock Your Door Like Unlocking Your Phone

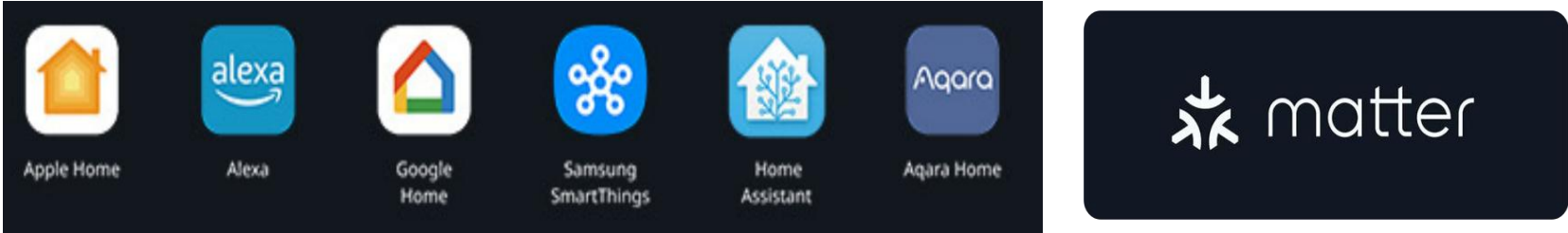
Equipped with a 160×160 resolution fingerprint module, featuring a sensor area 75% larger than popular solutions on the market. This ensures higher sensitivity, eliminating unresponsive issues and delivering a stable and reliable unlocking experience.

The Ultimate Apple Ecosystem: UWB + Home Key + Visitor Password

Seamlessly integrate with Apple’s ecosystem—add family and friends in the Home app for a shared UWB unlocking experience. Need to grant access to a housekeeper? Set up recurring pass-codes effortlessly. Plus, U400 supports Matter OTA updates, allowing users to enjoy the latest features without connecting to Aqara Home.

Matter Integrates the Strengths of Multiple Platforms

Built on the Thread protocol for faster and more stable performance, Matter lets you enjoy the benefits of multiple ecosystems. Aqara is committed to deep platform integration, enhancing third-party compatibility for a seamless smart home experience. Once a Matter user binds the smart lock U400, it automatically enters calibration mode with voice guidance for easy setup. Users can add fingerprints via the Aqara Home app or directly on the device, ensuring a complete and intuitive unlocking experience.



Selling Points

Granular Access Control

Need to let a housekeeper in every 10AM on Wednesday? Simply set "Valid every Wednesday from 10:00 to 12:00" and share access effortlessly—making life easier.

Seamless Unlocking with Aqara + G5 Camera

Pairing with the G5 outdoor camera, users can verify the visitor’s identity before unlocking the door via the app—ensuring both security and convenience.

Elegance in Every Detail

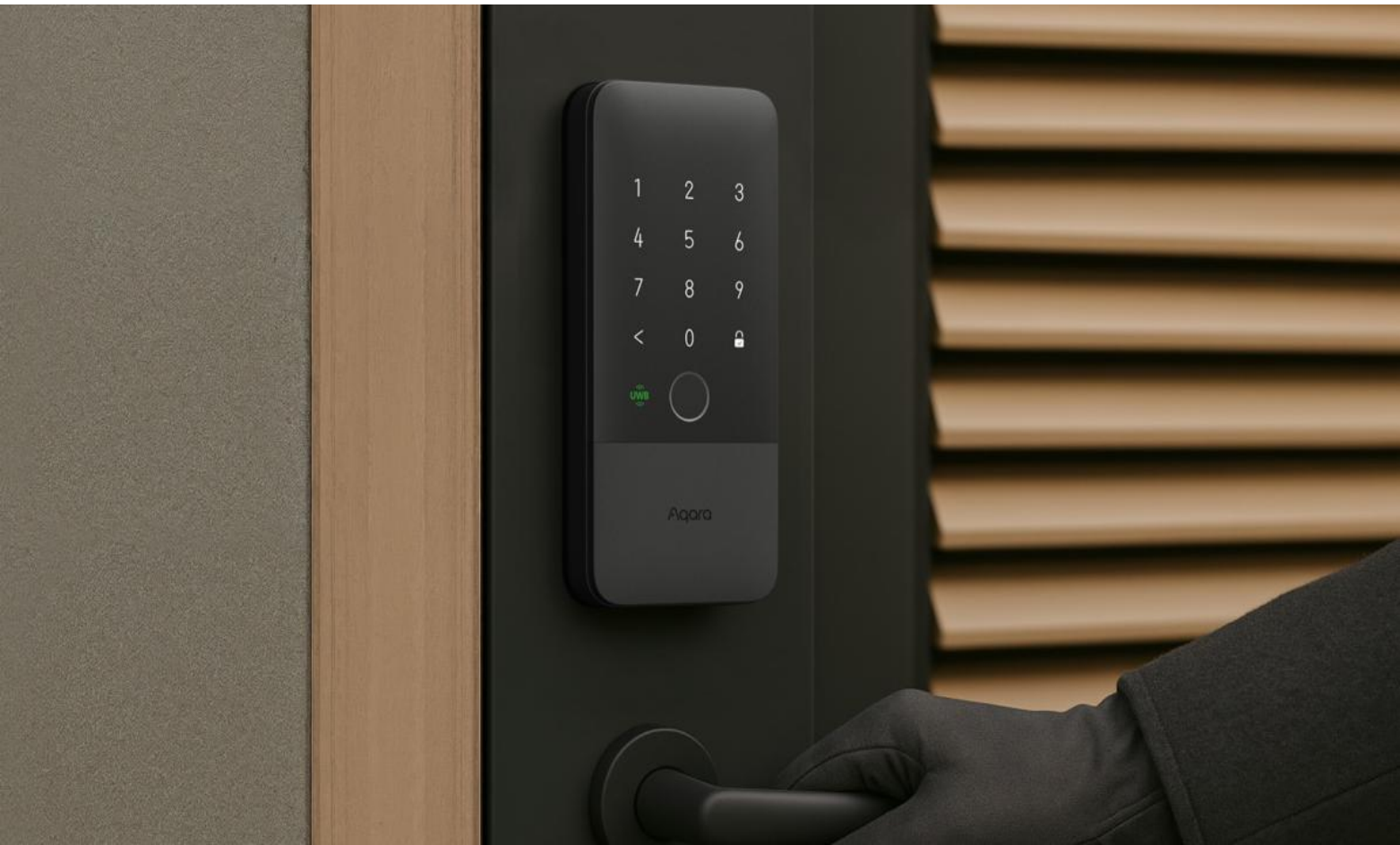
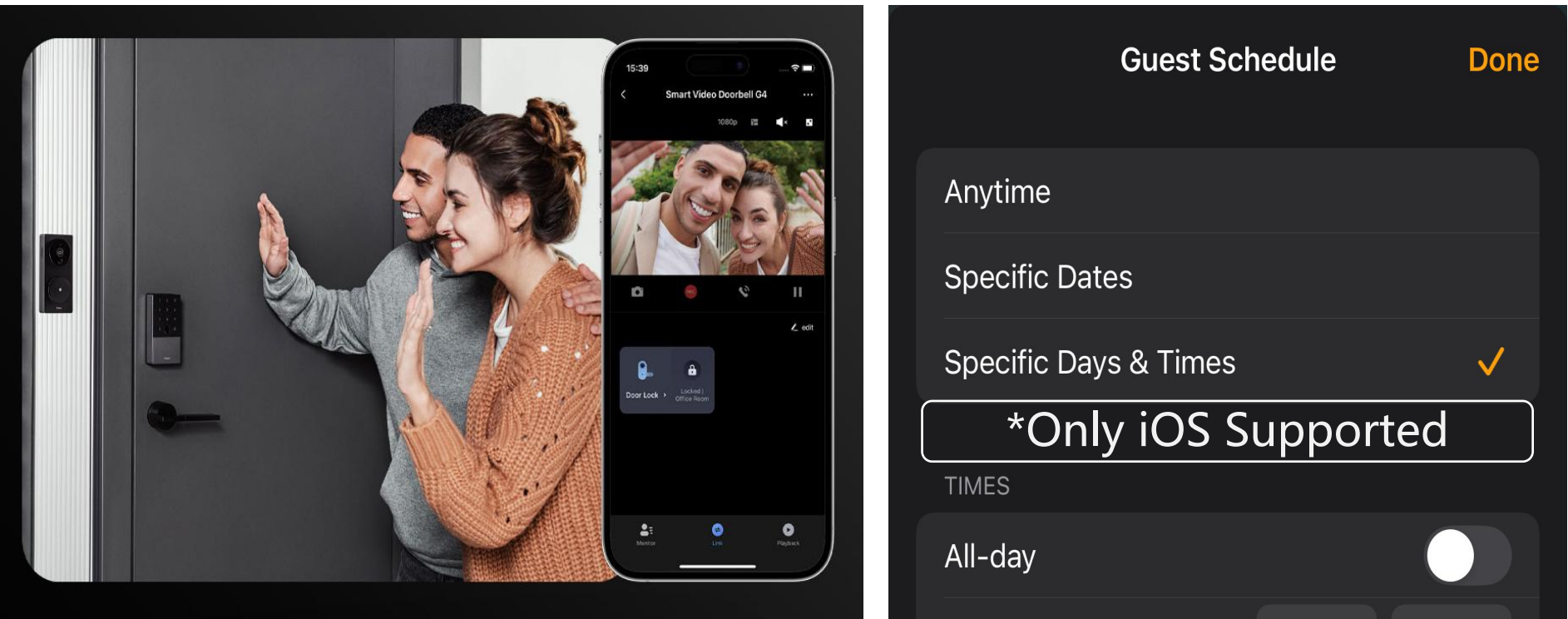
A fingerprint-resistant matte panel, a concealed keyhole, and a subtle brushed metal finish create a refined, understated aesthetic. Designed with restraint, yet exuding sophistication. Our award-winning design team leaves no detail overlooked in the pursuit of beauty.

Easy Installation

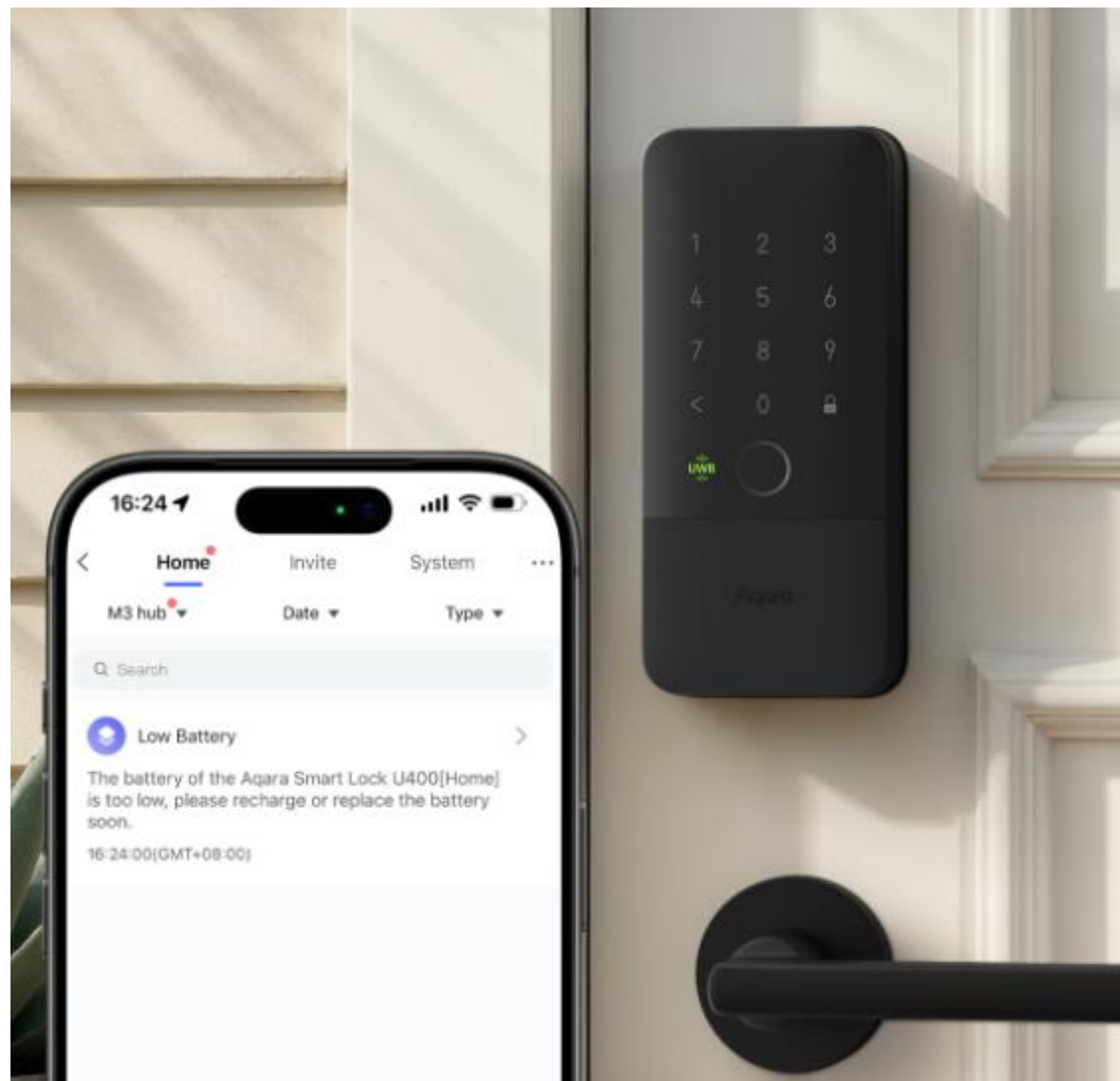
Designed to fit standard deadbolt lock specifications—if your door hole matches, installation takes as little as 5 minutes.

Stable and Durable

- Powered by an Aqara lithium battery pack, ensuring longer battery life and eco-friendliness.
- The outdoor unit is IP65-rated for dust and water resistance, and can operate in extreme temperatures down to -35° C, delivering reliable performance in any weather.
- The U400 door lock has passed BHMA level 3 certification, which is one of the most recognized and authoritative performance and safety level standards for door lock products in North America. It is a guarantee of credibility, durability, and safety.



Selling Points



Low battery alert

- When the power level of the door lock is below 20%, the UWB indicator light will change from green to yellow, prompting the user to charge. At the same time, after unlocking, the door lock will have a low battery voice broadcast to remind the user to charge.
- After the battery level drops below 8%, the UWB function will be temporarily suspended to reduce power consumption.
- The indicator light is only supported when the UWB function is enabled.

Unlocking methods

- The diverse unlocking functions ensure that users can always enter their homes. Even when the phone is out of battery, users can unlock it using Tap to Unlock with Apple home key.

Additional Unlocking Options, Choose Your Preferred Way



Tap to Unlock with Apple Home Key

Simply add the Apple home key to your Wallet and unlock your door with your iPhone or Apple Watch—even when the devices are powered off. You can also easily share the home key with family members or provide guest codes to visitors, ensuring both security and convenience.



Fingerprint Unlocking in 0.3 Seconds

The Smart Lock U400 also features a built-in ergonomic fingerprint reader, which can securely store up to 50 fingerprints for quick touch-to-open access. The lock offers a highly accurate recognition rate of up to 98.6%.



Permanent Password



Offline Password



Scheduled Password



App Control



Voice Control



Mechanical Key



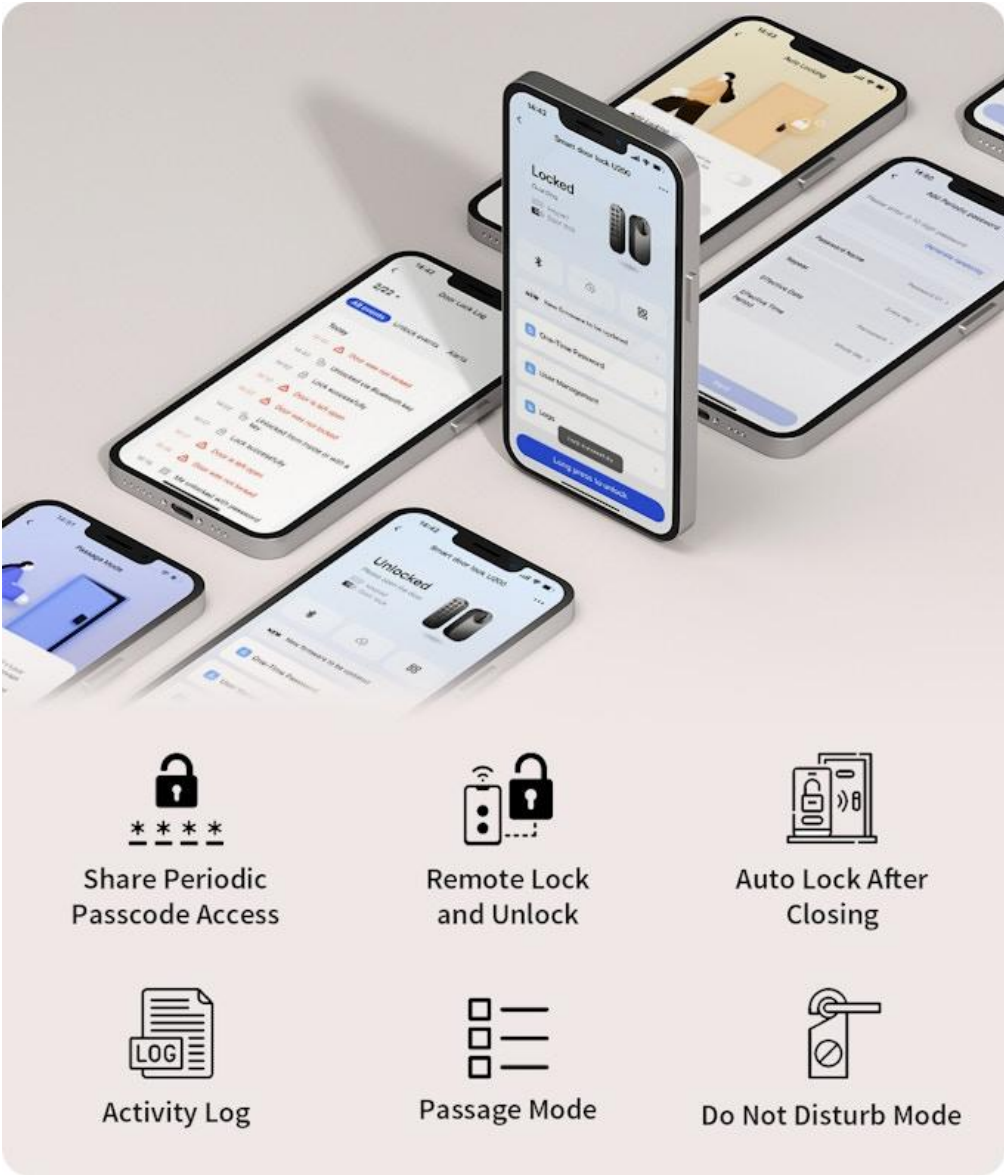
NFC Card



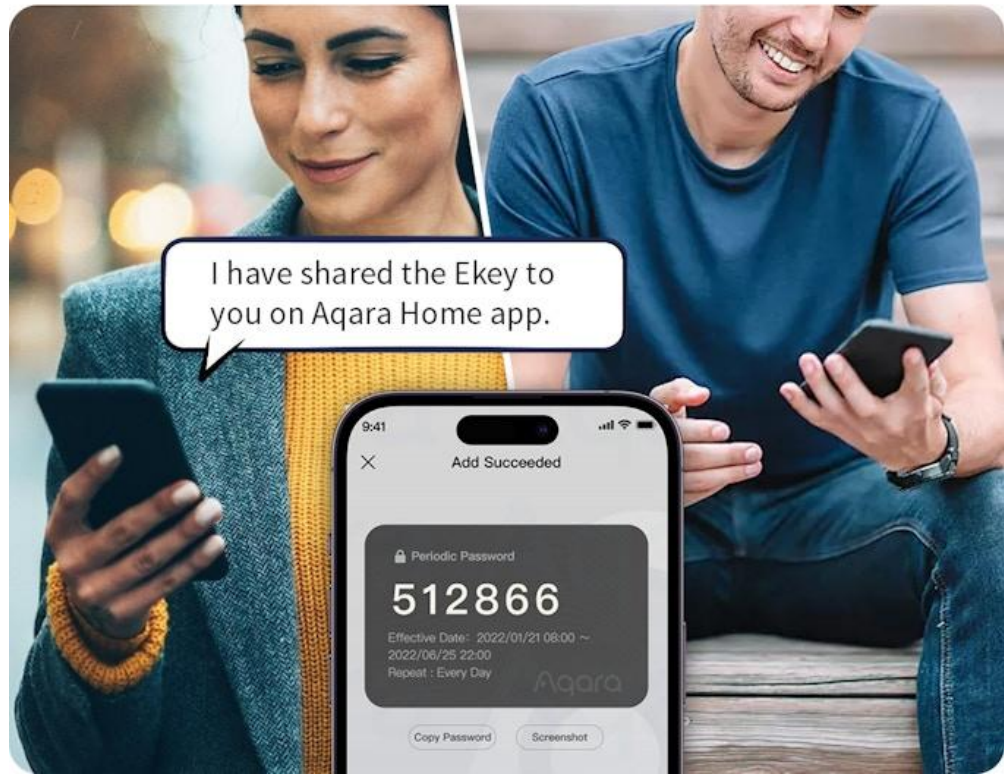
Automation

continuous connection

Software Functions



Share Access



9:41

<

Add Periodic Password

Please enter 6–10 digit password

512866

Generate randomly

Password Name

Password 01 >

Effective Date

Customize >

Start Time

2022/01/21 >

End Time

2022/06/25 >

Effective period

Customize >

Start Time

08:00 >

End Time

22:00 >

Repeat

Every Day >

Next

App Installation Guide

When binding the smart lock for the first time, the Aqara App provides step-by-step guidance, making the installation process simple and easy to follow.

Automatic Door Direction Calibration

No need for manual door direction setup—after a single open-close operation, the gyroscope accurately detects the door's position.

Temporary Pass-codes

Periodic Password: Generate time-limited pass-codes for Airbnb guests or create one-time pass-codes remotely for cleaners.

Note:

After binding Thread enabled Matter Controller (e.g. Aqara M3 Hub, Hub G410), it supports remote generation of periodic passwords.

Software Functions

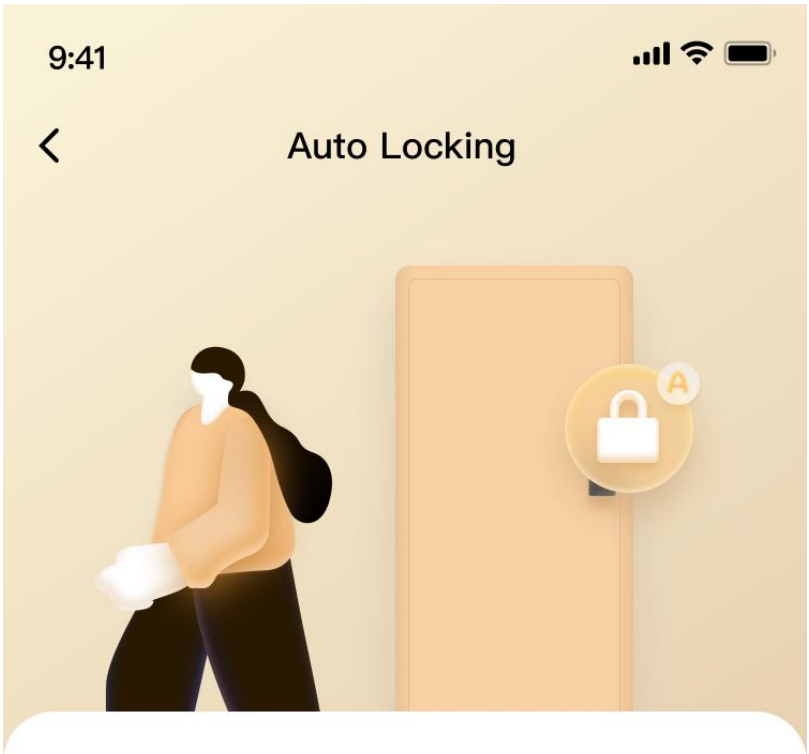
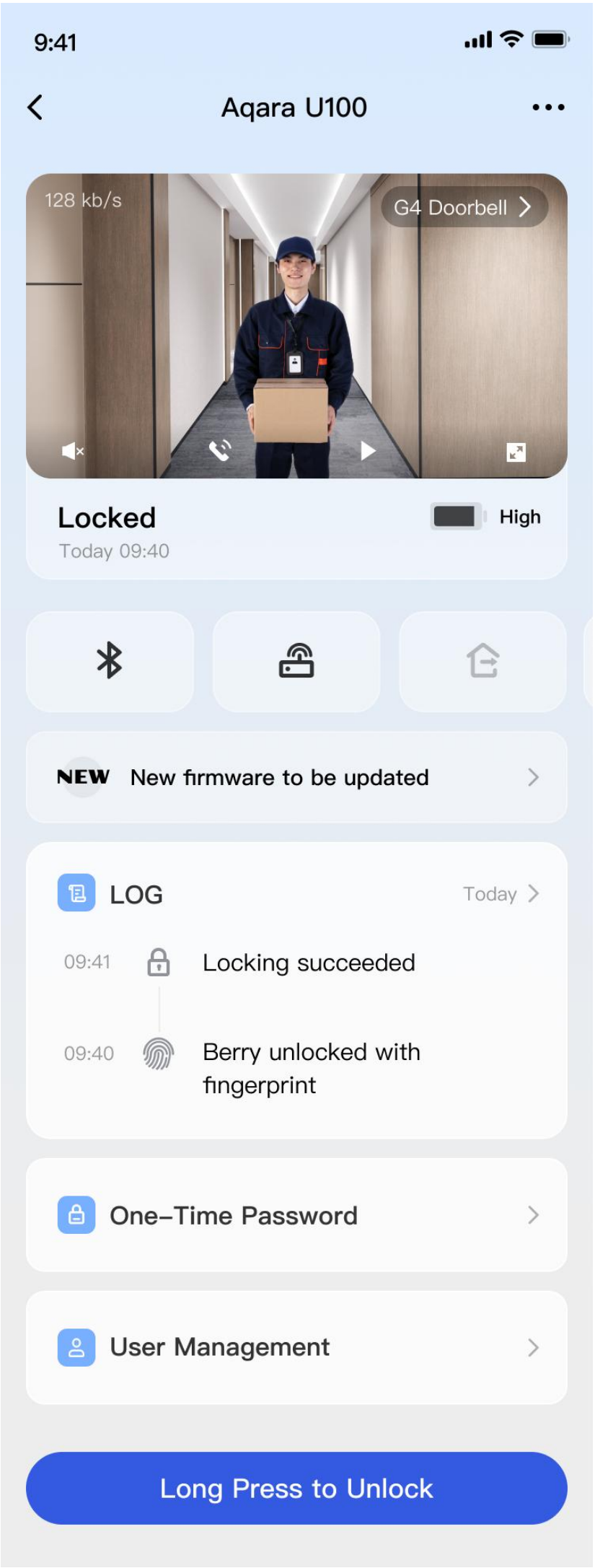
Aqara G410 doorbell/G5 Pro Camera Integration

Linked to the G410 doorbell/G5 Pro Camera and provides a convenient user experience with camera door locks in both Aqara and Apple Home. At the same time, it supports joining Matter, making it easy to set up door lock automation and generate Matter pairing codes to bind to more third-party ecosystems.

Auto-Locking When You Close the Door

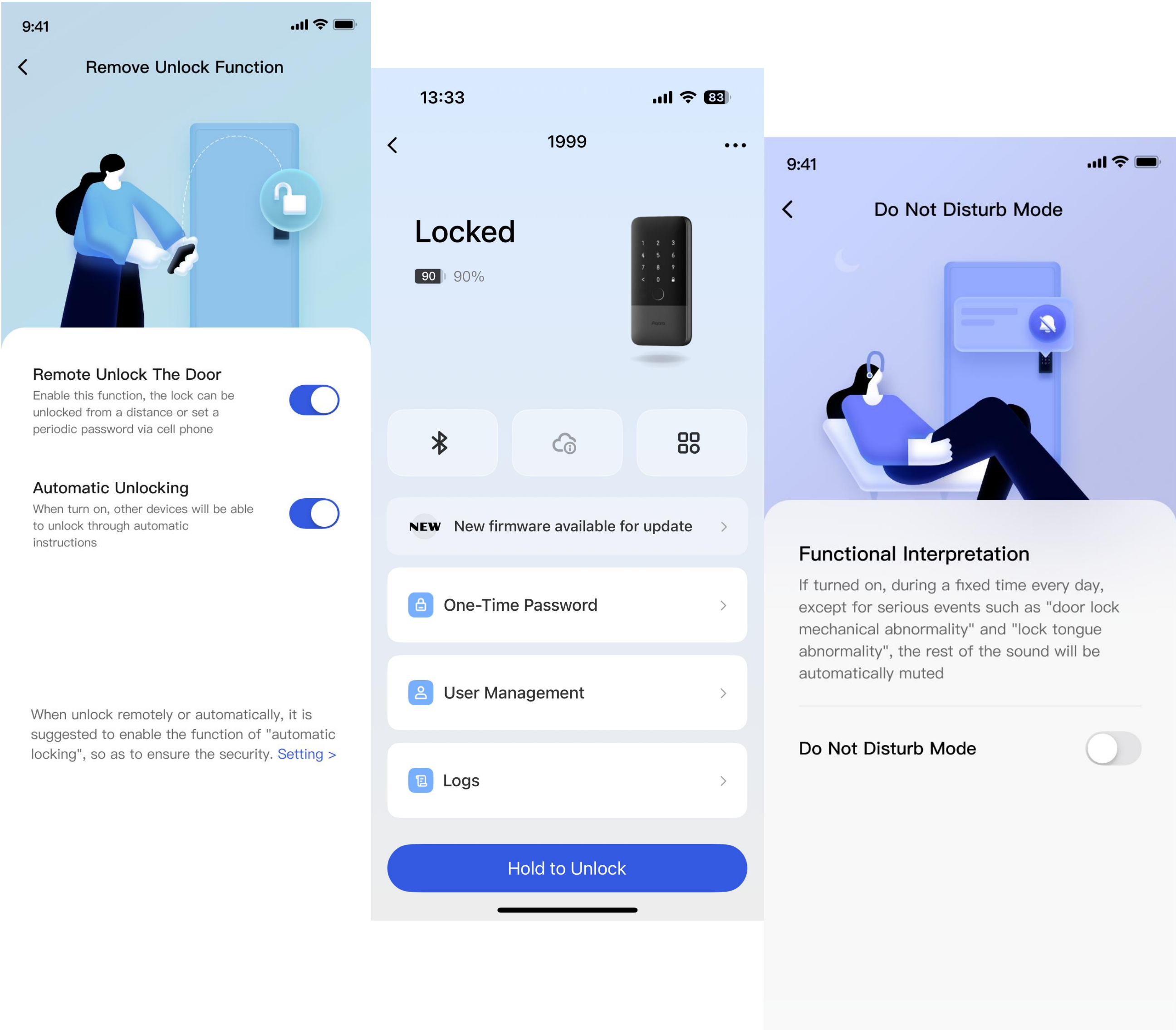
The U400 features a smart phone-grade gyroscope that records your door’s closing angle. Once enabled, the lock automatically secures the door when you close it. Thanks to the precise door state detection of the gyroscope, the accuracy of auto-locking is significantly improved.

Unlike traditional magnetic sensor-based solutions, the gyroscope-based system eliminates installation constraints, making it more convenient, hassle-free, and aesthetically seamless.



- Close and Lock (Beta)**
After it is enabled, the door lock will be automatically locked when detecting the door has been closed ☒
- Execution Time** Whole day >
- Touch To Lock**
After the door is opened, you may touch the keyboard for lock immediately ☒
- Auto Locking**
After the door is opened, you may touch the keyboard for lock immediately ☒
- Delay Time** Lock after 5s >

Software Functions



Set Periodic Password Remotely

After binding the Aqara gateway, the door lock can be set with a remote periodic password. Landlords can set door lock passwords for tenants without visiting, which is convenient and fast. The cleaner cleans regularly every week and can be easily set up no matter where they are.

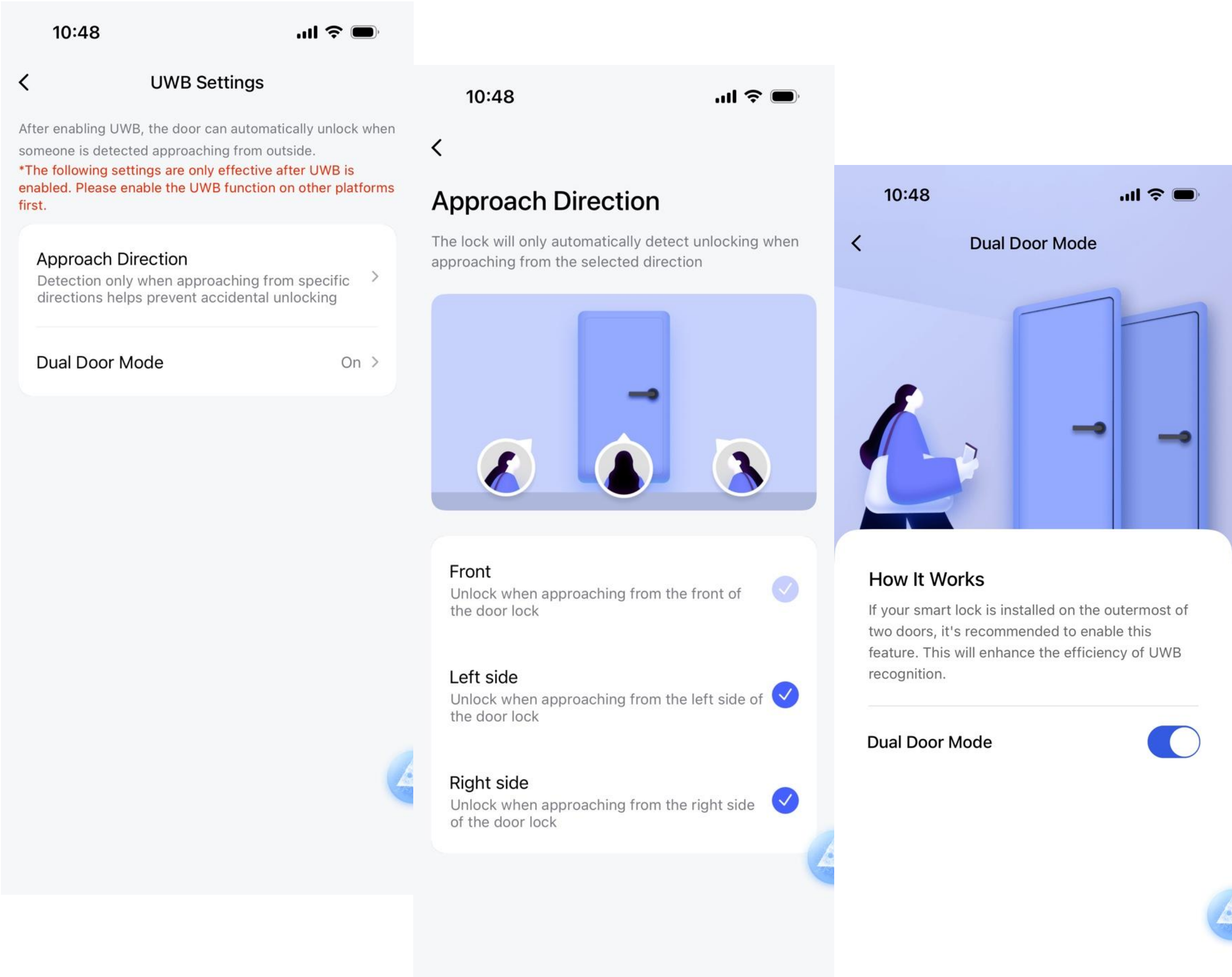
Remote Locking & Unlocking

After binding to a hub, the smart lock supports remote unlocking and locking. Easily grant access to visitors and family anytime, or conveniently manage rental properties.

Do Not Disturb Mode

Finally got your baby to sleep and don't want the door sound to wake them up? The Do Not Disturb mode in the app allows you to mute door lock sound effects during specified hours, ensuring undisturbed rest.

Software Functions



UWB Aqara Function Settings

Approaching Direction

By selecting the preferred unlocking direction, it prevents accidental opening when passing by and provides a seamless unlocking experience when entering the house. (Sync settings with Apple Home app)

Double Door Mode

Used to address the common double layered door design in Southeast Asia and optimize the user's UWB unlocking experience, ensuring no accidental opening indoors and no delay or unlocking outdoors.

*When the door lock is installed on the outer part of the double door, enable this feature to optimize UWB unlocking experience.



Software Functions

Aqara Home Screen Card

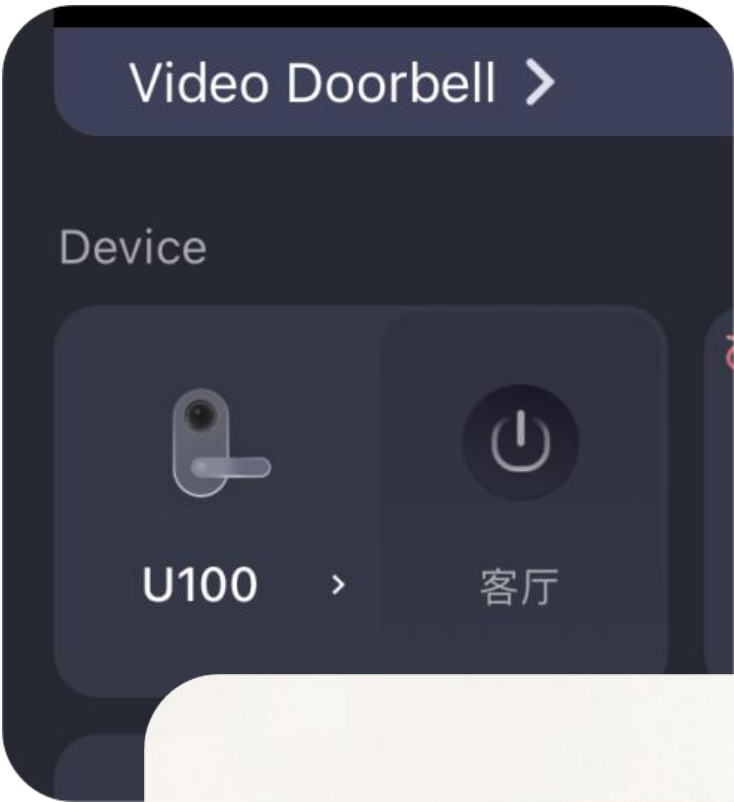
Once remote access is enabled, the home screen card in the app allows you to lock/unlock the door instantly.

View Logs

View unlock history in the app to track when your child arrives home.

Automation Setup

Want a cooler, smarter unlocking experience? Pair with the M3 Hub and Aqara wireless switches to automate locking and unlocking actions.



Software Functions

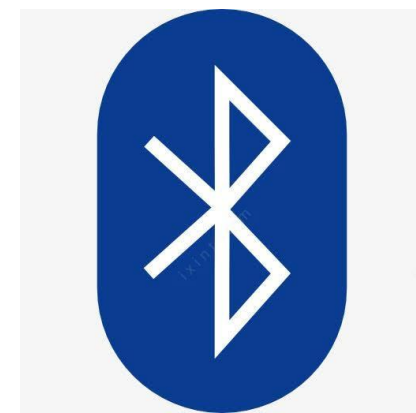


Customize Button Function

Choose the features that suit your lifestyle habits on the Aqara Home app and execute them with just one click for convenience and speed. The long press function can be set in the Aqara Home App's custom keys, and the default function is to close the door and lock it. When launched, there are two optional functions: door locking and electronic reverse locking.

Digital User Manual & Installation Guide

Easily access the installation and user manual directly in the app.



OTA

Bluetooth OTA Updates

Update the lock via direct Bluetooth connection from your smart phone, ensuring seamless firmware upgrades.

Product Function List

- ✓ Fingerprint unlocking
- ✓ Password unlock
 - ✓ Password unlock
 - ✓ Virtual password unlock
 - ✓ One-time password unlock
 - ✓ Periodic password unlock
- ✓ Mechanical key unlocking
- ✓ NFC unlock
- ✓ Mobile Bluetooth Unlock
- ✓ Aqara remote unlock
- ✓ Automatic unlocking (voice unlocking, etc.)
- ✓ UWB unlock
- ✓ Home keys unlock
- ✓ Matter password unlock
- ✓ Thread remote unlocking
- ✓ App door lock settings
- ✓ Abnormal alarm function
- ✓ Rich linkage control conditions
- ✓ Remotely view door lock logs (TBD)
- ✓ Remotely set periodic passwords
- ✓ Gyroscope close the door automatic locking
- ✓ Automatic calibration of door status
- ✓ Custom key preset function (Long press)
- ✓ Custom key automation settings (Short click and double click) (TBD)
- ✓ Convenient local setting function
- ✓ Bluetooth,Matter connect
- ✓ OTA upgrade
- ✓ Linkage G5 Camera and Doorbell G410 unlock
- ✓ Fingerprint module local encryption
- ✓ User data is only stored locally
- ✓ Outdoor Emergency for electricity (Type-C)
- ✓ Indoor door lock charging electricity (Type-C)
- ✓ 3D Capacitive Large array Fingerprint recognition
- ✓ Customization PB Fingerprint recognition algorithm
- ✓ AES Encryption algorithm security unlocking
- ✓ IP65, Ten thousand times opening and closing test
- ✓ Waived Aqara Gateway support Matter Ecology

Future OTA Update Features (Release Date TBD)



Custom Button Function

Supports long press and double press automation functions, allowing users to set their own custom automation! (Available after launch)



More Devices Supporting Automated Lock Control

In 2025, more Matter-compatible Aqara devices will support unlocking and auto-locking, enabling seamless automation.



Aliro Unifies the UWB Unlocking Experience Across Mobile Devices

Aliro enhances UWB interoperability between different mobile devices (smart phones and smart watches), ensuring a consistent unlocking experience across various brands and platforms.

Content

- **Product Introduction**
- **Installation**
- **Configuration of App**
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American Standard Door Locks

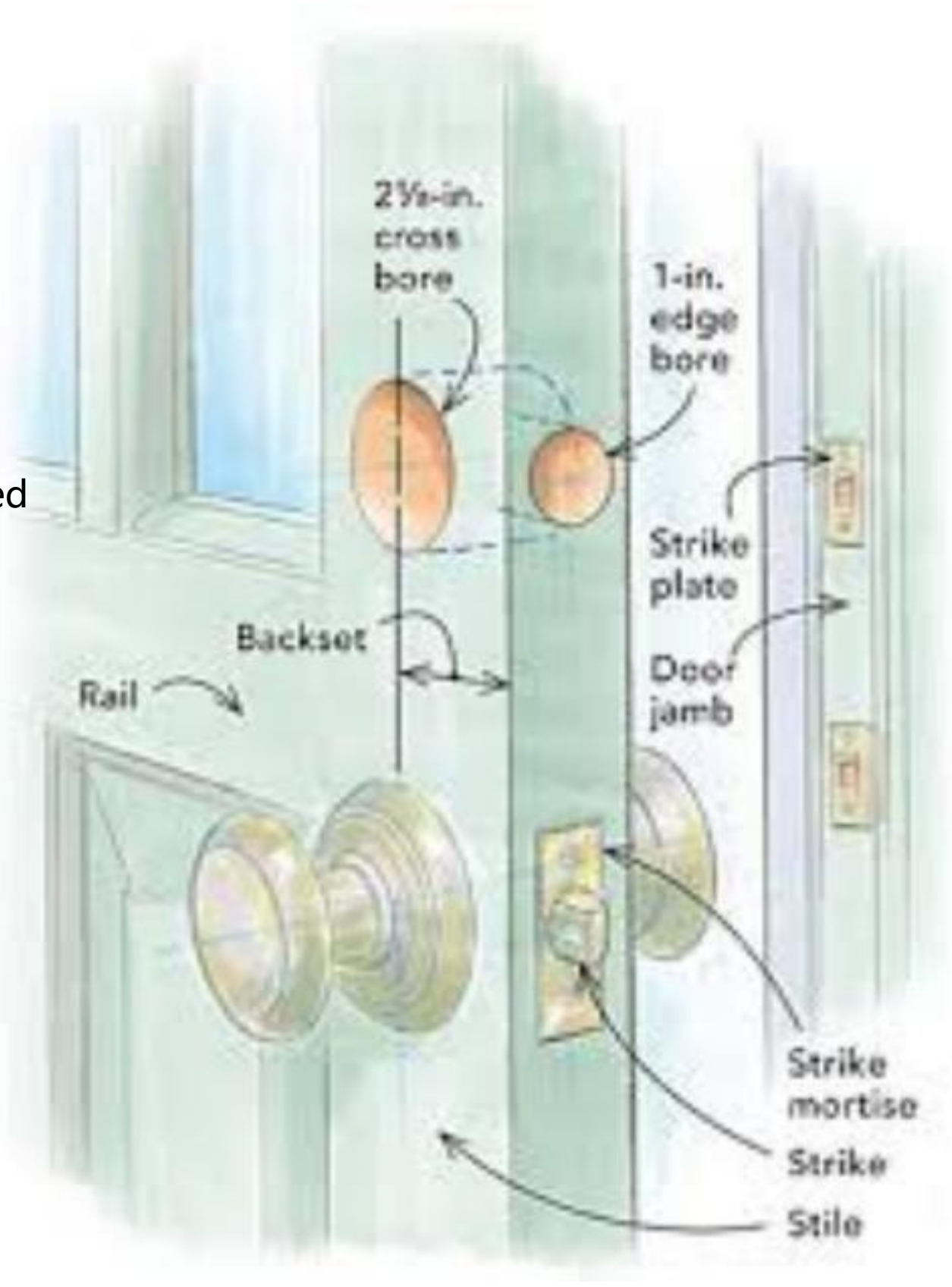
Most entrance doors in North America are wooden doors, and >70% of people use non-integrated locks for doors with Deadbolt specifications, which are respectively the upper deadbolt and the lower latch bolt. This product requires users to confirm whether their main door is suitable for installing a Deadbolt lock.



The upper deadbolt part will be replaced by our included of Deadbolt Lock mortise and U400 Door lock



The lower part of latch bolt will remain unchanged, it mainly serves as a fixing



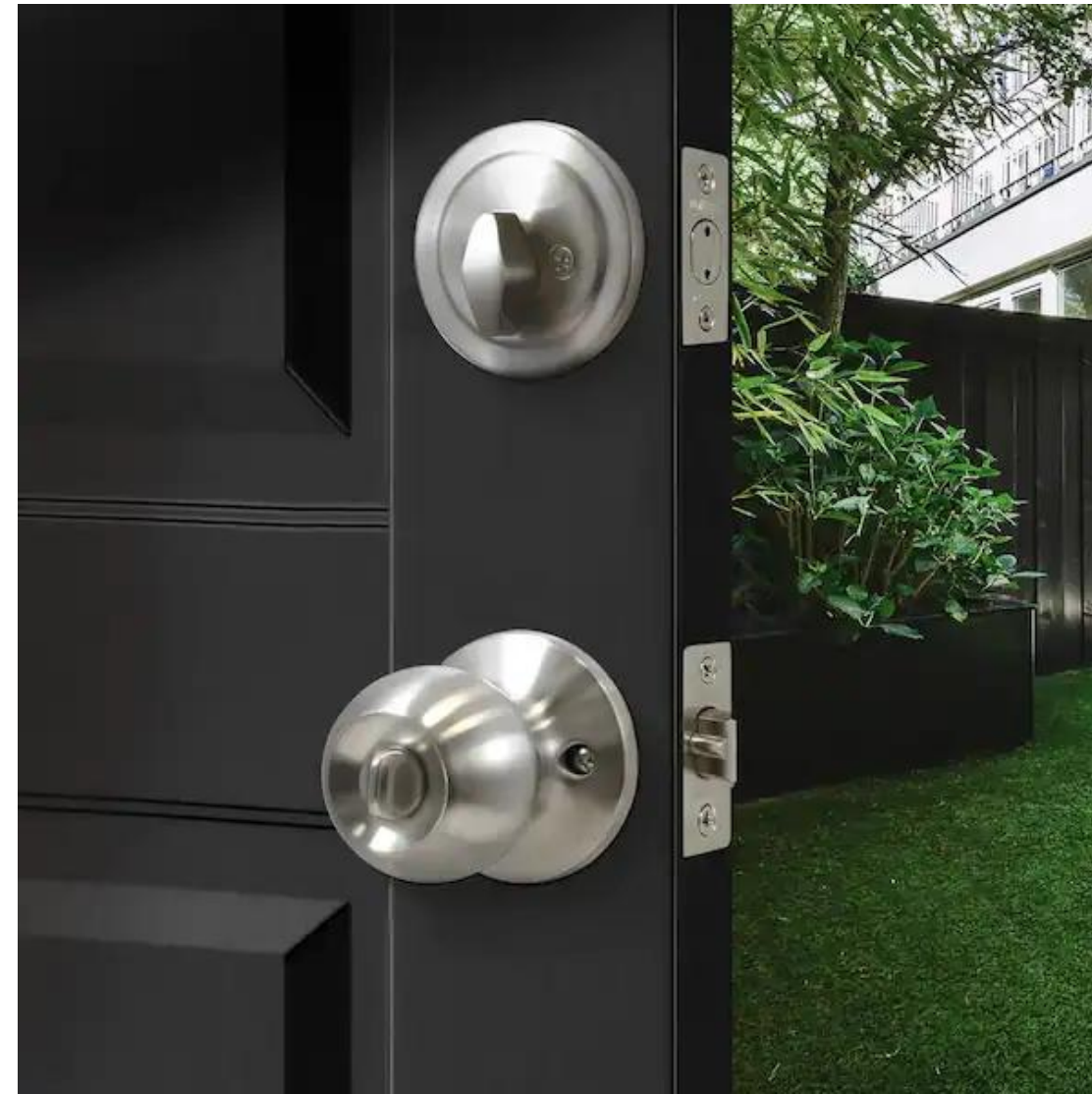
Installation Requirements

Easy Installation



Compatible with single-cylinder deadbolt locks.
Modifications may be necessary if the door has different dimensions.
Please make sure to install the strike plate provided.

Installation Requirements



Wooden door requirements:

35mm-55mm Deadbolt wooden door(The above picture shows a common style)

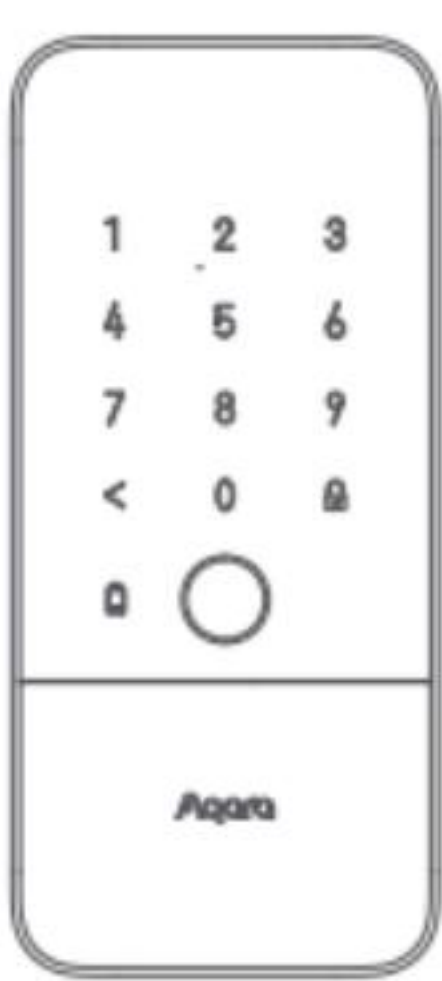
Installation tool:

PH1 standard cross screwdriver

Modified door tool(If necessary):

Electric drill, 54mm hole saw, woodworking chisel, pencil, tape measure, level

What's in Box （Online Version）



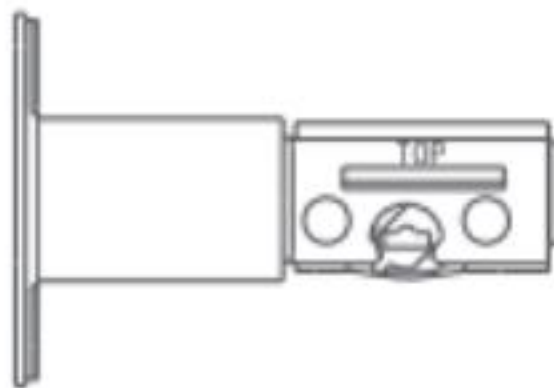
Outer Panel × 1



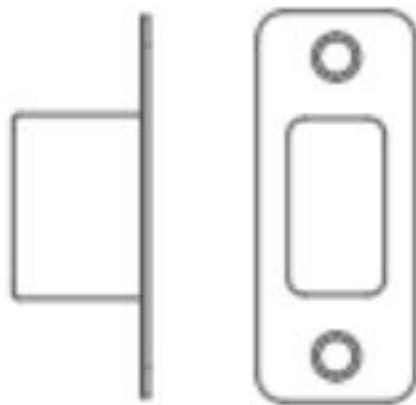
Inner Panel × 1



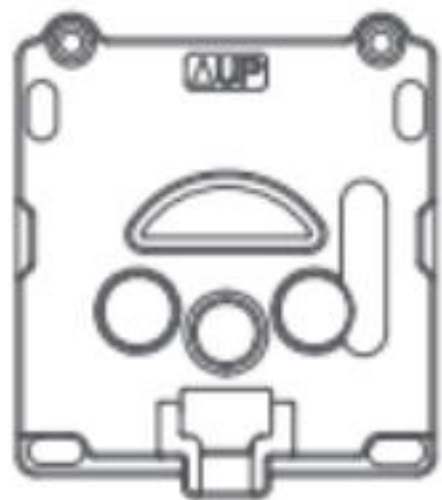
U400 Rechargeable Battery × 2



Deadbolt × 1



Strike Plate kit × 1



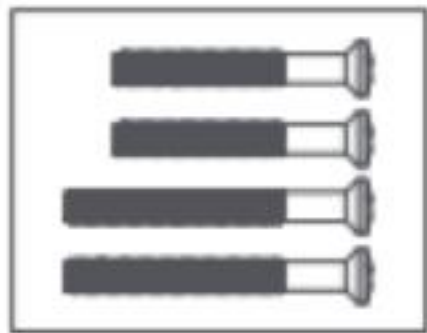
Mounting Plate × 1



Adapter × 1



Key × 2



Mounting Plate Screw kit × 1



Deadbolt Screw kit × 1



Inner Panel Screw kit × 1



Installation Diagram × 1

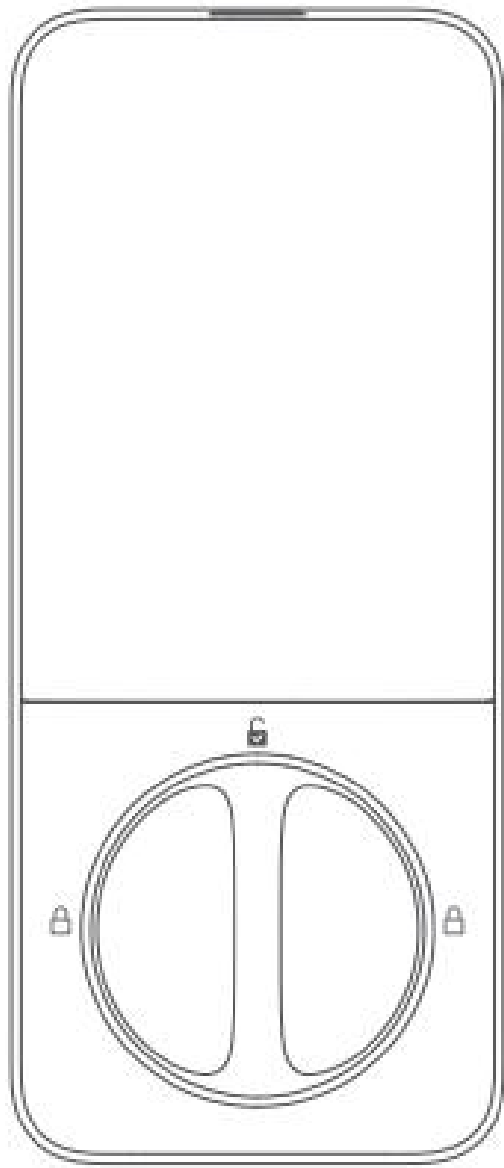


User Manual × 1

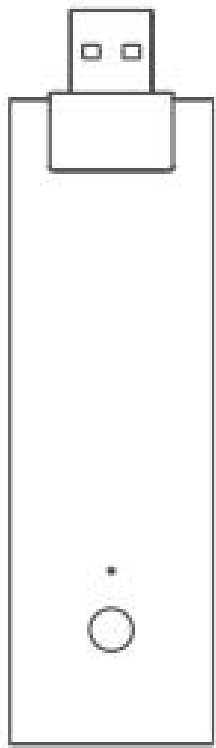
What's in Box （Offline Version）



Outer Panel × 1



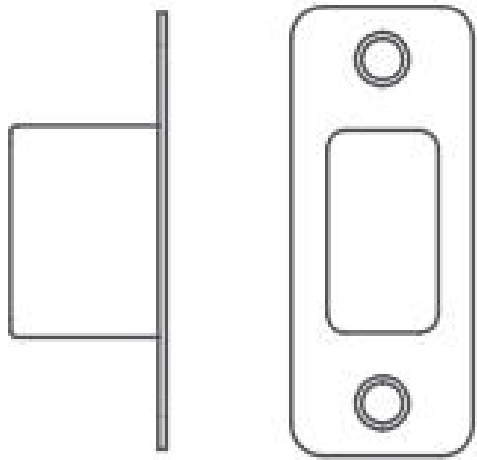
Inner Panel × 1



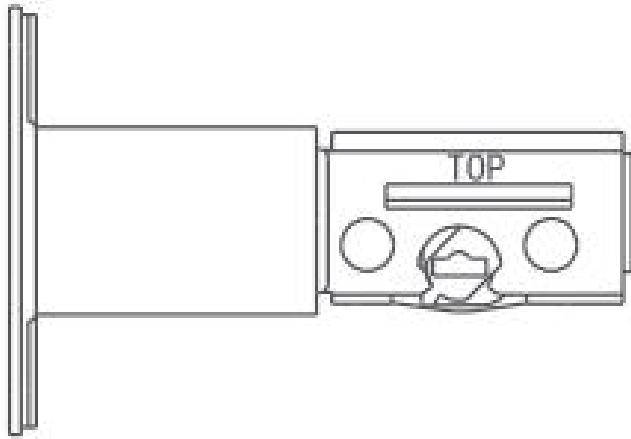
Hub M100
(for Model: DL-D06D & DL-D16D only)



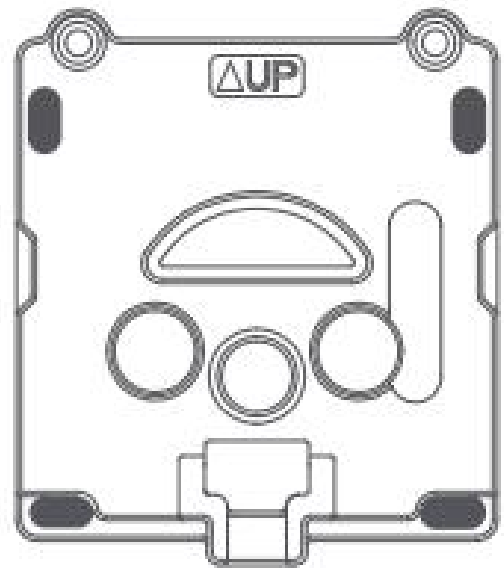
Rechargeable Li-ion Battery ×1
(Rechargeable Li-ion Battery ×2
for Model: DL-D15D & DL-D17D only)



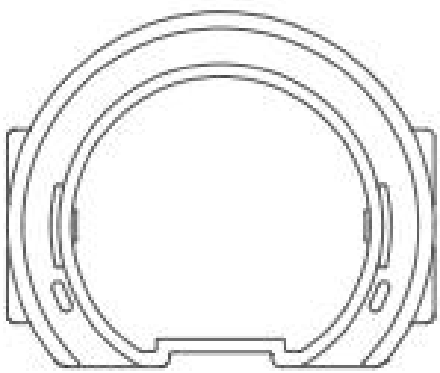
Strike Plate Kit



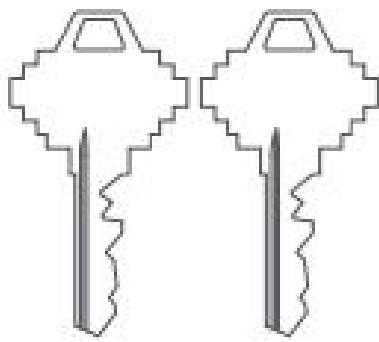
Deadbolt × 1



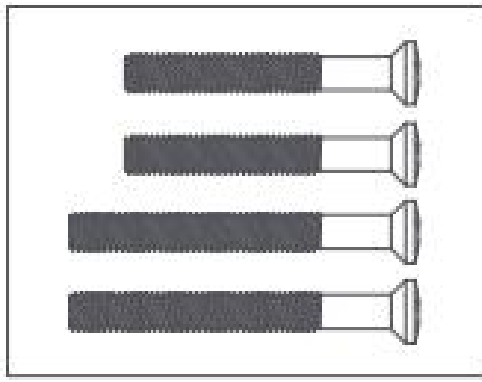
Mounting Plate × 1



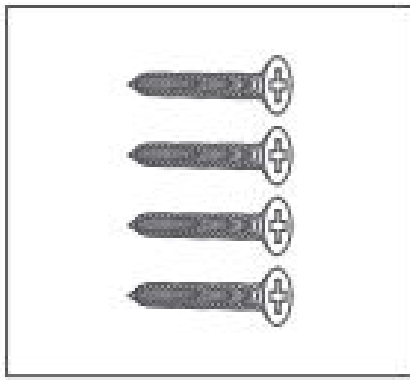
Adapter Ring × 1



Key × 2



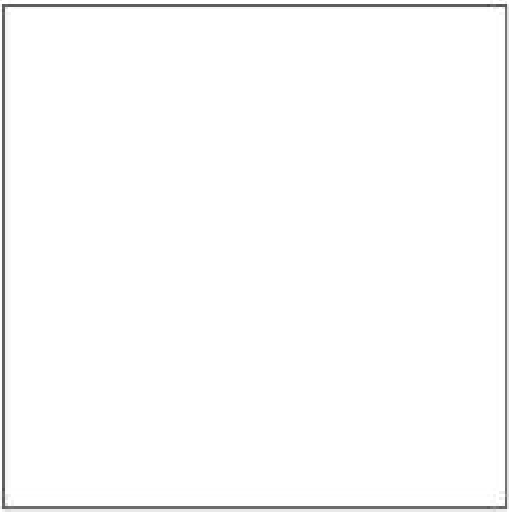
Mounting Plate Screw Kit
(PM6 × 55 mm, PM6 × 65 mm)



Bolt & Strike Plate Screw Kit
(KA4 × 25 mm)



Inner Panel Screw Kit
(PM3 × 12 mm)

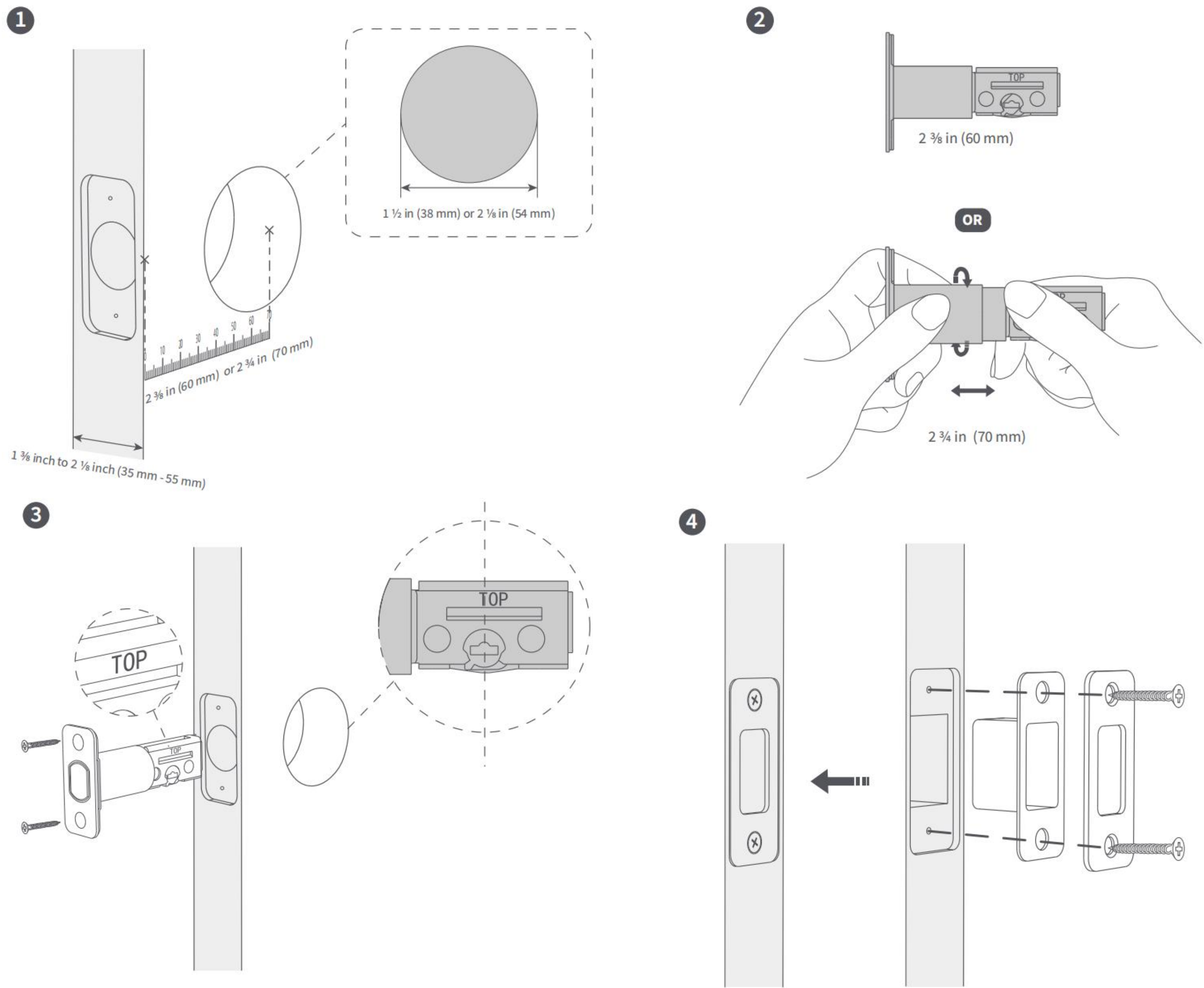


Installation Diagram × 1



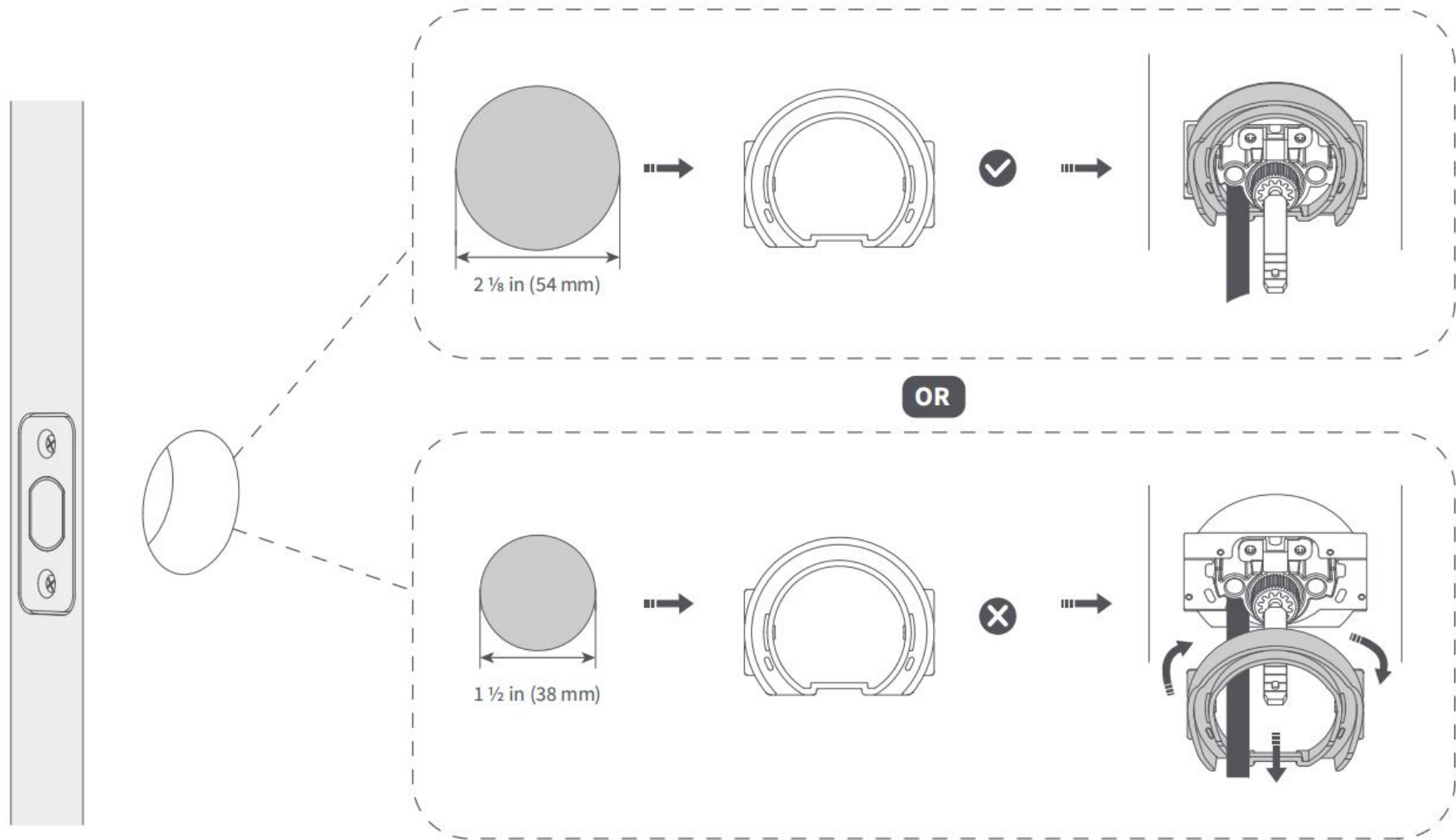
User Manual × 1

Installation

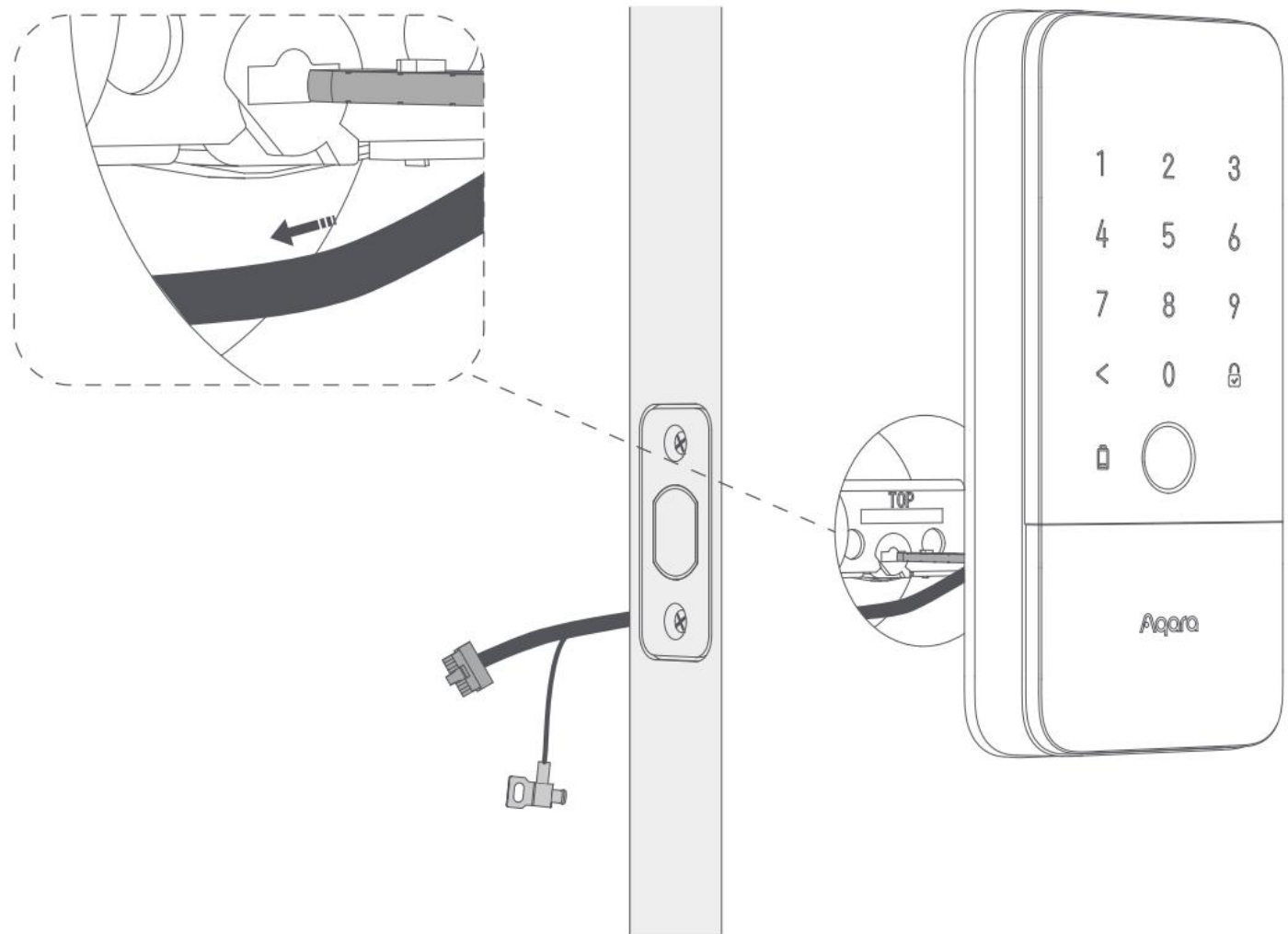


Installation

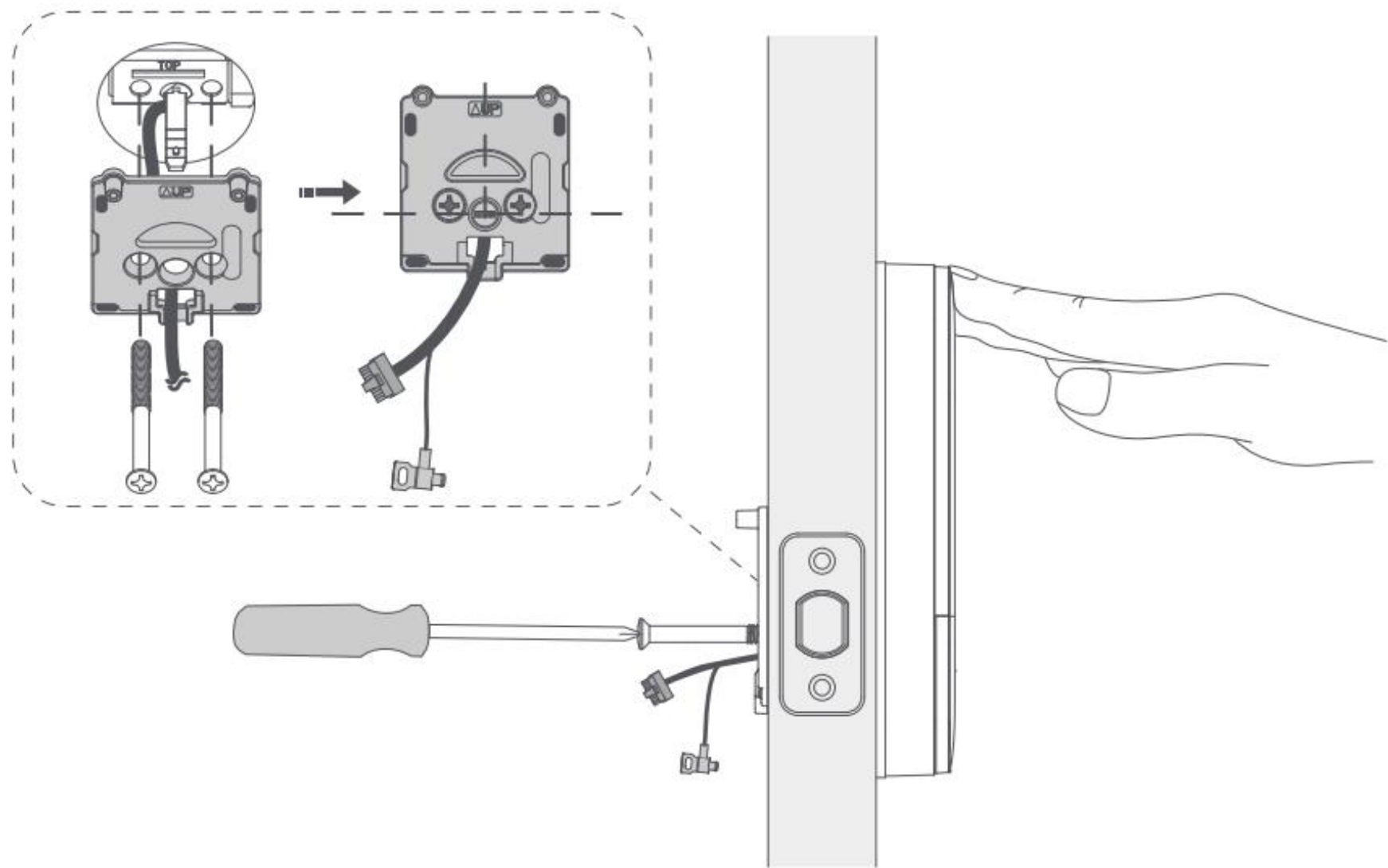
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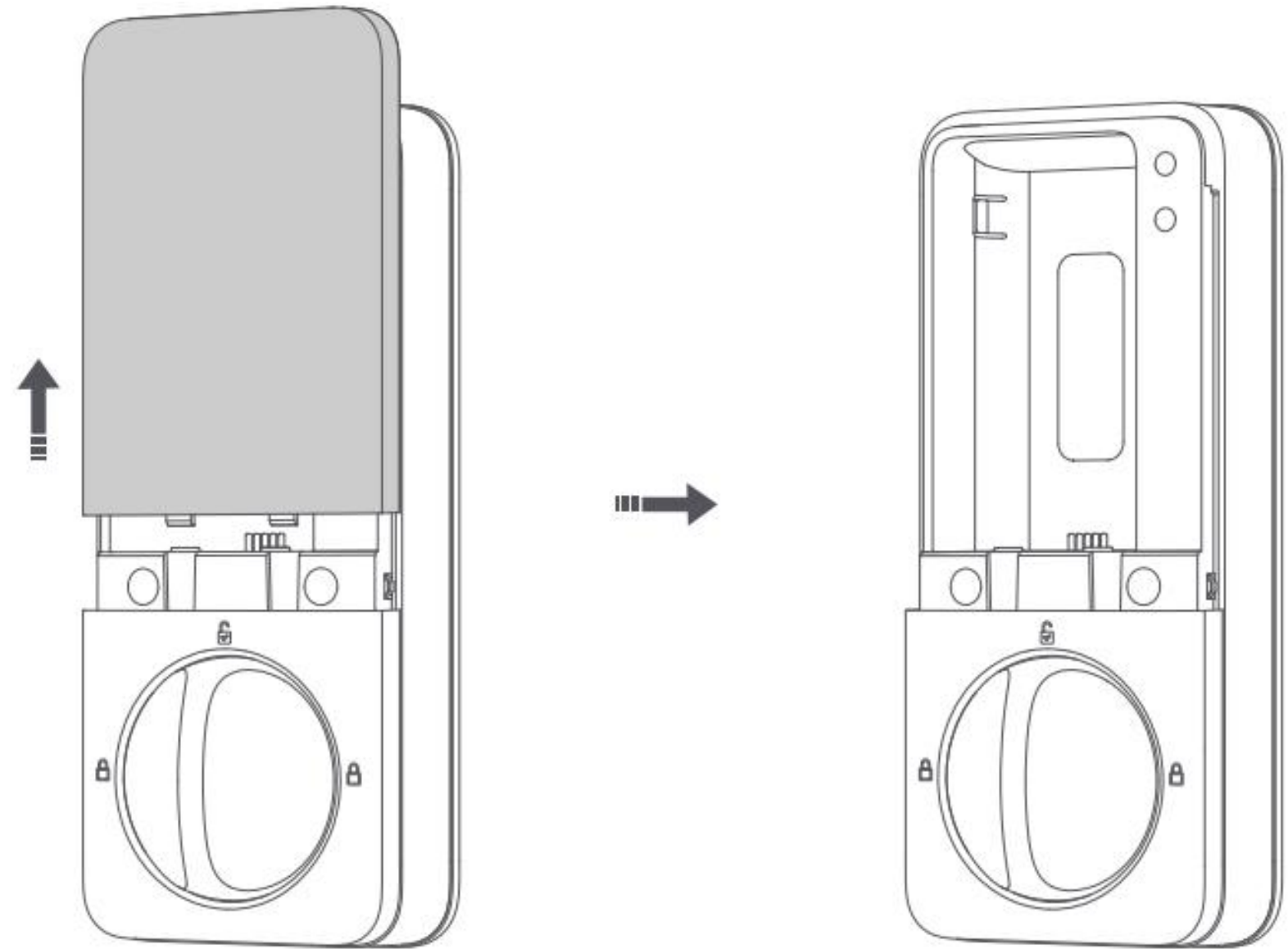
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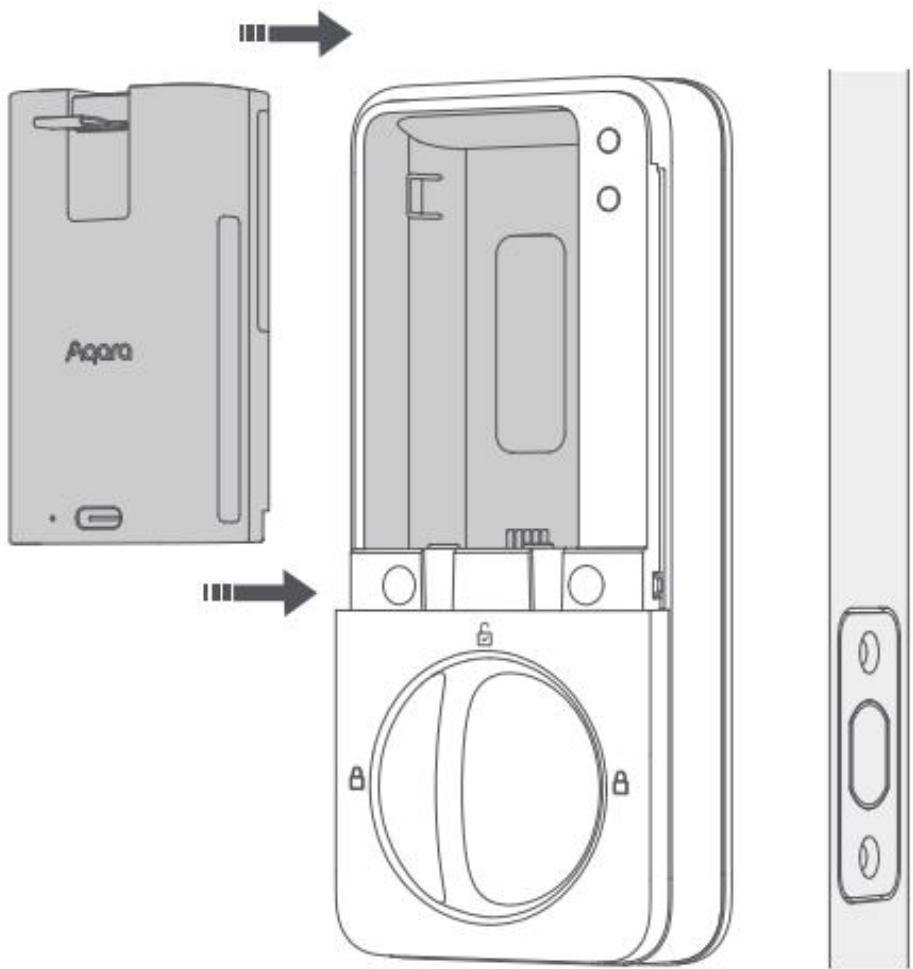
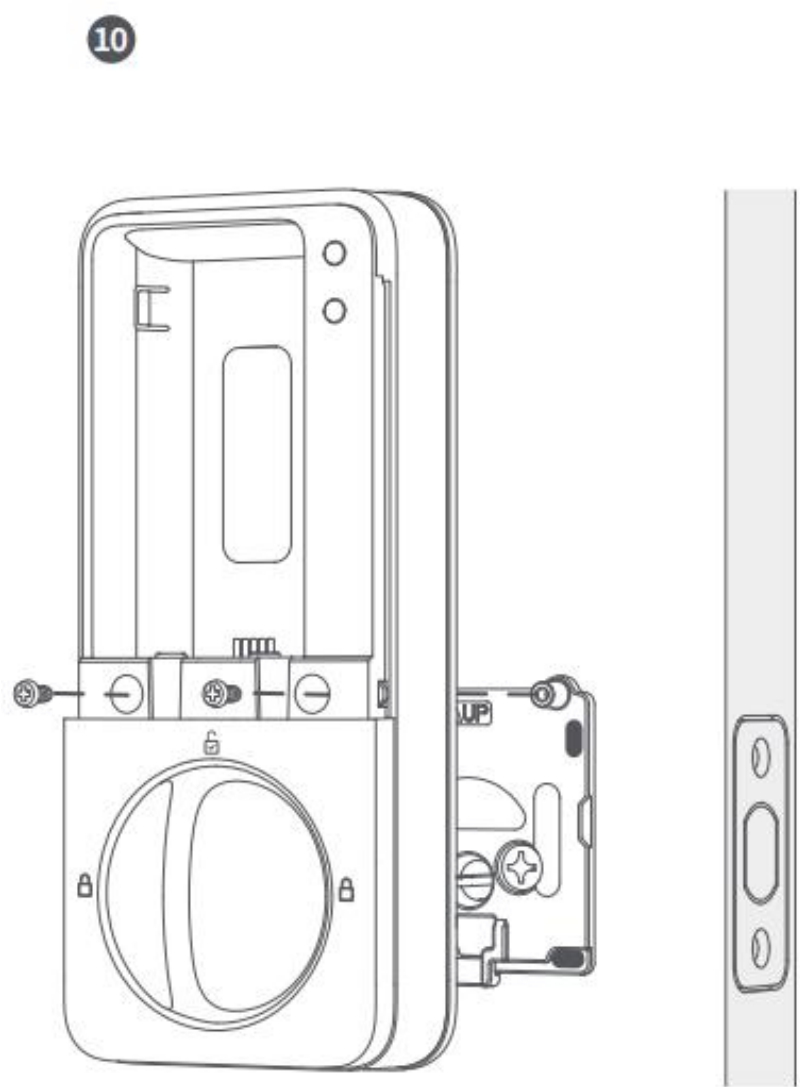
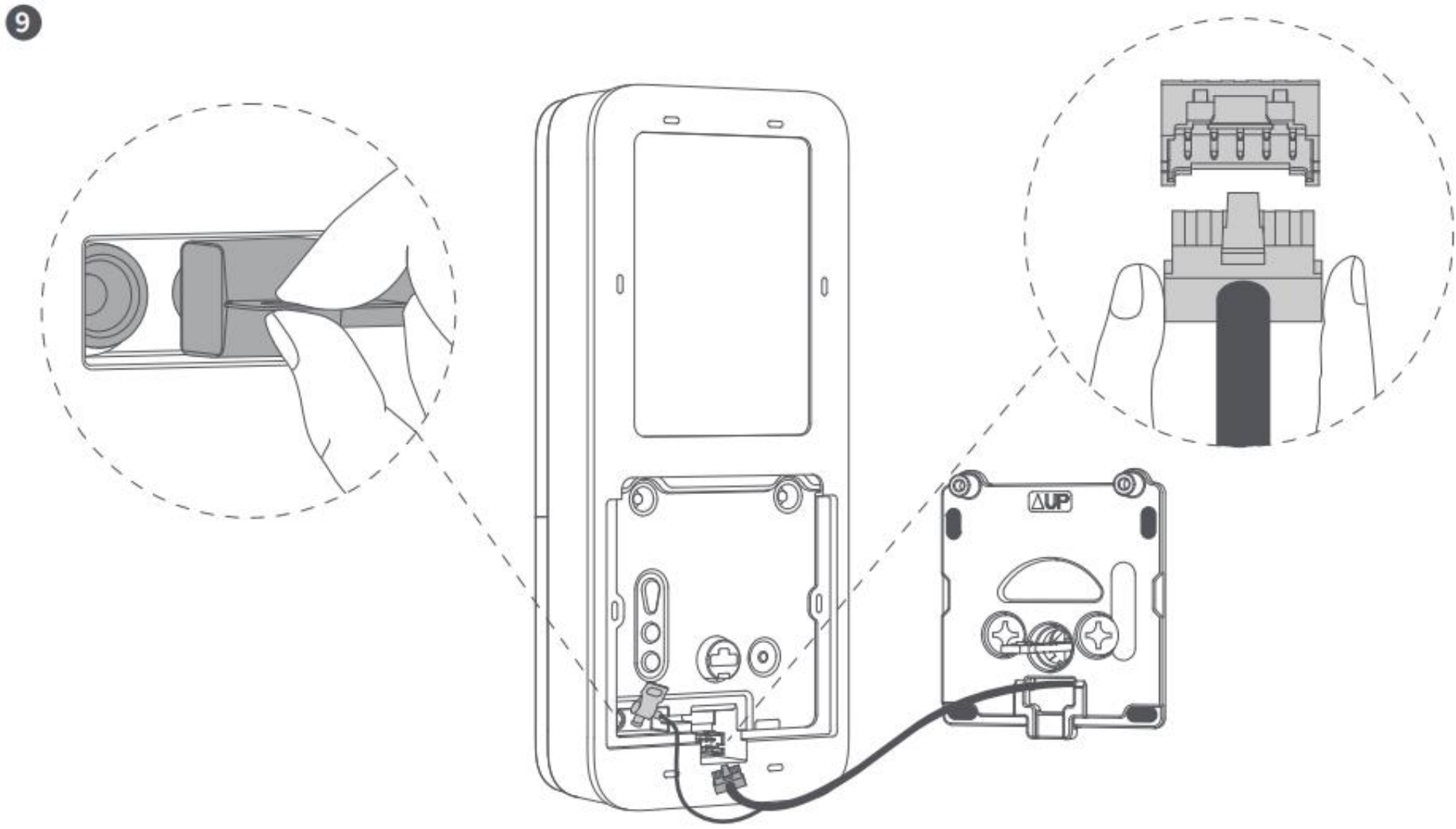
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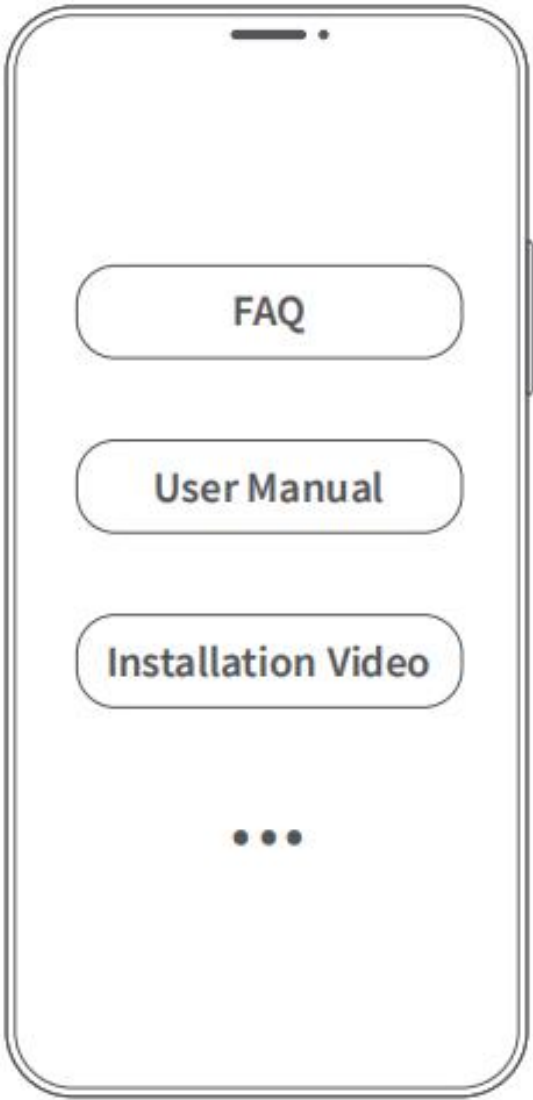
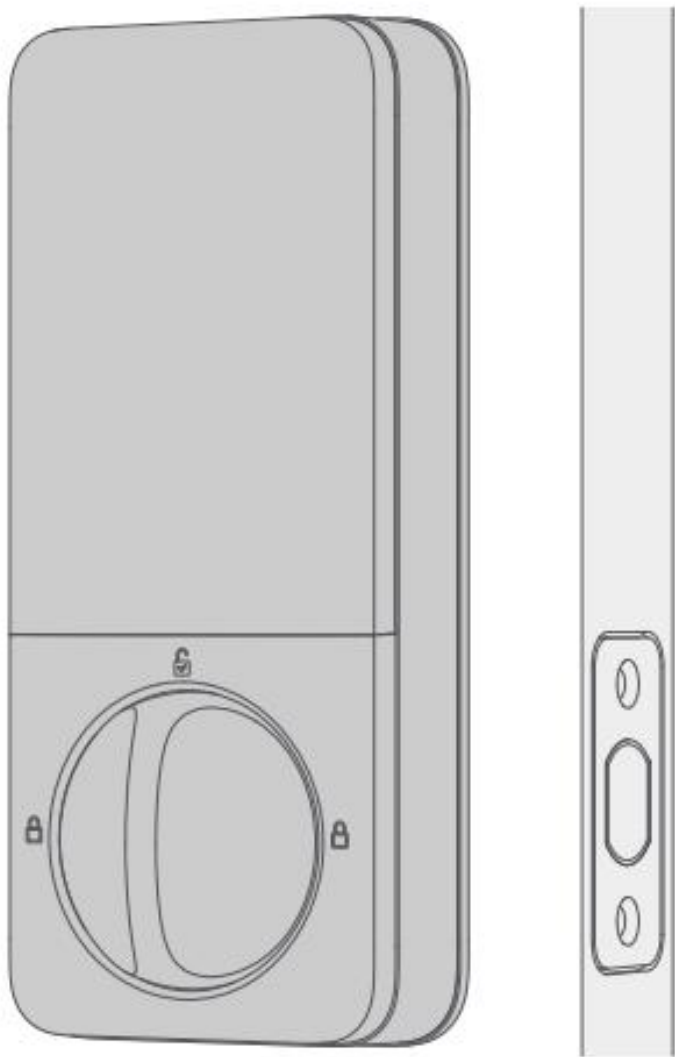
8



Installation



11 Complete the installation



Important Notes for App Binding

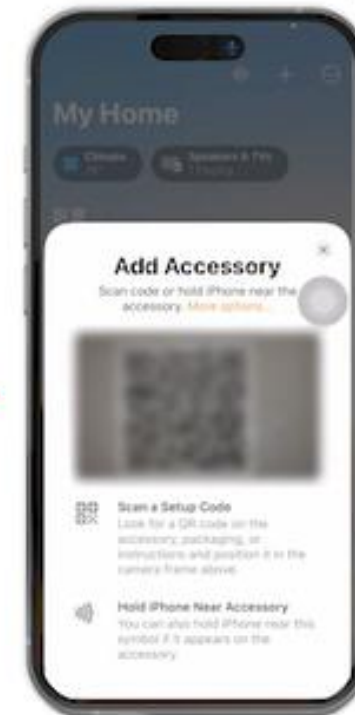
Binding: Scan the Matter pairing code. Each code is **single-use**.

Multi-App Control: Generate a new code from **the bound app** and use it for second app binding.



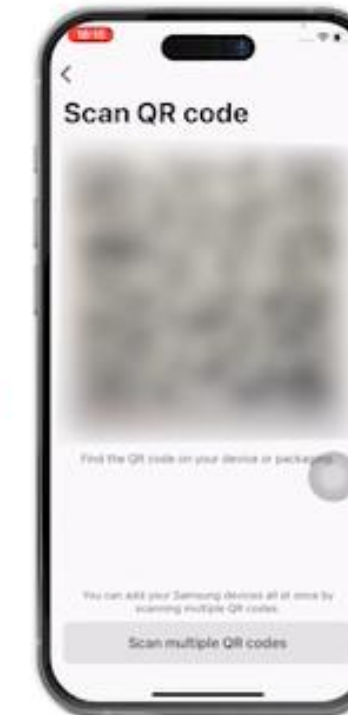
Matter Pairing code

1st Matter App 



Generate new
Matter QR code in
1st Matter App

2nd Matter App 



 Invalid



continuous connection

Recommended Automation

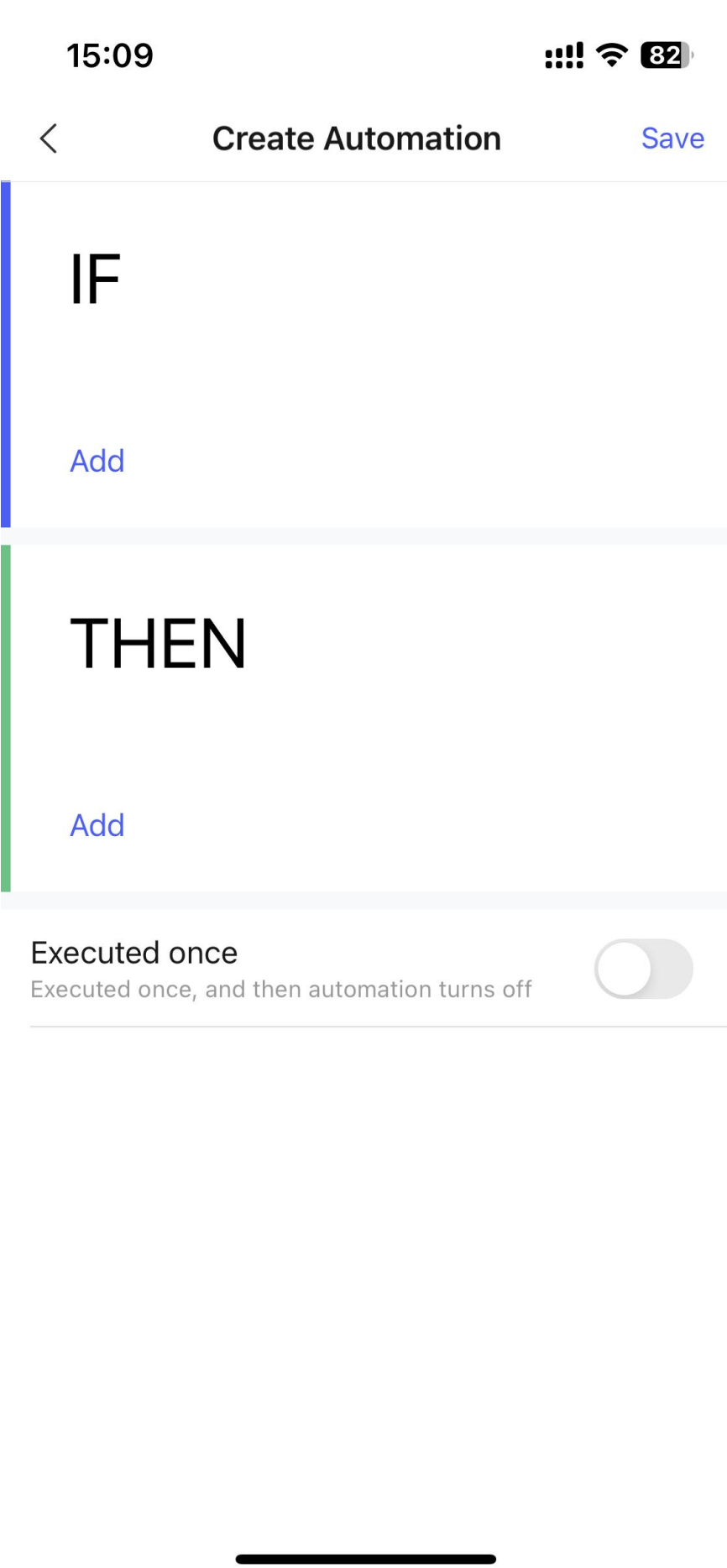
The sense of returning home ceremony

With the light sensor and wall switch,when you go home and unlock the door within a specified time period, the indoor environment will be dim and the lights will automatically turn on. At the same time, Homepod began playing soothing music to soothe the fatigue of the day.

A stranger is trying to open the lock

Combined with the motion sensor and G5 Pro camera, when the door is unlocked and there is no one at home, the G5 Pro camera will automatically trigger recording and alarm to safeguard your home security.

Aqara privatization feature



Specification



Item	Specification
Product Name	On-line Smart Lock U400 / Offline Smart Lock U400 Kit/ Apple Version Smart Lock U400 Deluxe Kit
Product size	Front lock:167 × 76 × 25.5 mm (6.58 × 2.99 × 1.01 in.) Rear lock:178×76×46.9 mm (7.01×2.99×1.85 in.)
Unlocking method	Support Unlocking methods: UWB Unlock, Home key, Matter password,Thread Remote unlocking, Fingerprint, Password, Periodic password, One-time password, Bluetooth unlocking, Mechanical key, Remote Aqara unlock, NFC, Automation unlocking, Voice unlocking (based on ecosystem)
Voice and language type	English(Default), French, Optional OTA voice OTA Voice allows users to choose Spanish and other languages
Battery Specifications	Lithium-ion battery 4880mAh/35.6Wh / V7.3
Battery life	6 Month
Emergency Power Supply	Type-C External power supply, 5V DC
Anti-static	Contact 8KV, non-contact 15KV
Operating temperature	Front lock: -35°C ~ 66°C (-31°F ~ 150.8°F) Rear lock: -18°C ~ 55°C (-0.4°F ~ 131°F)
Operating humidity	0~93% RH, non-condensing
Dust-proof and Waterproof	IP65 (Front lock),The rear lock is not waterproof
Lock body type	American Standard Deadbolt supports 60-70mm Back-set
Suitable door thickness	35-55mm
Adaptable Door Gap	2~10mm

Unlocking Method	Item	Specification
Fingerprint	Response time	Less than 0.5s
	Fingerprint capacity	50 Pieces (TBD)
	False recognition rate	Less than one in a million
	False Rejection Rate	Less than one in one hundred thousand
	Other Features	Semiconductor liveness detection,Fingerprint recognition algorithm
UWB	Response time	Unlocking speed : Approach unlock (based on iPhone equipment and specific scenarios)
	Capacity	UWB Maximum Device Limit: 15 devices (TBD) UWB Simultaneous Device Connection Support: 8 devices
	Type	Trigger unlock range:0.6 ~ 2m, based on user behavior.*indoor UWB Do not unlock
Aqara Password	Password length	6-10 digit valid password
	Password capacity	(TBD): Total of 75 sets, with 75 password sets; *Periodic users: Shared quantity (TBD) *One-time passwords: 8 sets per hour *User count: 50 sets
	Virtual password	Supports 20-bit virtual password (including real passwords)
Mechanical Key unlocking	Key Type	Mechanical lock cylinder, mechanical key, comes with 2 keys
	Grip handle	Cannot undergo distortion or deformation within the unlocking force range.
NFC	Capacity	Total limit: 25 units (TBD)
	Frequency	Frequency: 13.56MHz, Distance: ≤3cm
Bluetooth	Encryption chip	None, soft encryption

Unlocking Method	Item	Specification
Matter	Pairing mode	Scanning MATTER Pairing code, you can bind the door lock to third-party platforms, to achieve intelligent linkage with other platform devices
	Home Key	Support, Identify Distance: ≤3cm Up to 35 individual Homekey devices (TBD)
	Password length	*Matter Valid password 4-8 Bit
	Password capacity	Matter Number of users:20 (TBD) password:35 pieces (TBD) Periodic users: Shared quantity (TBD)

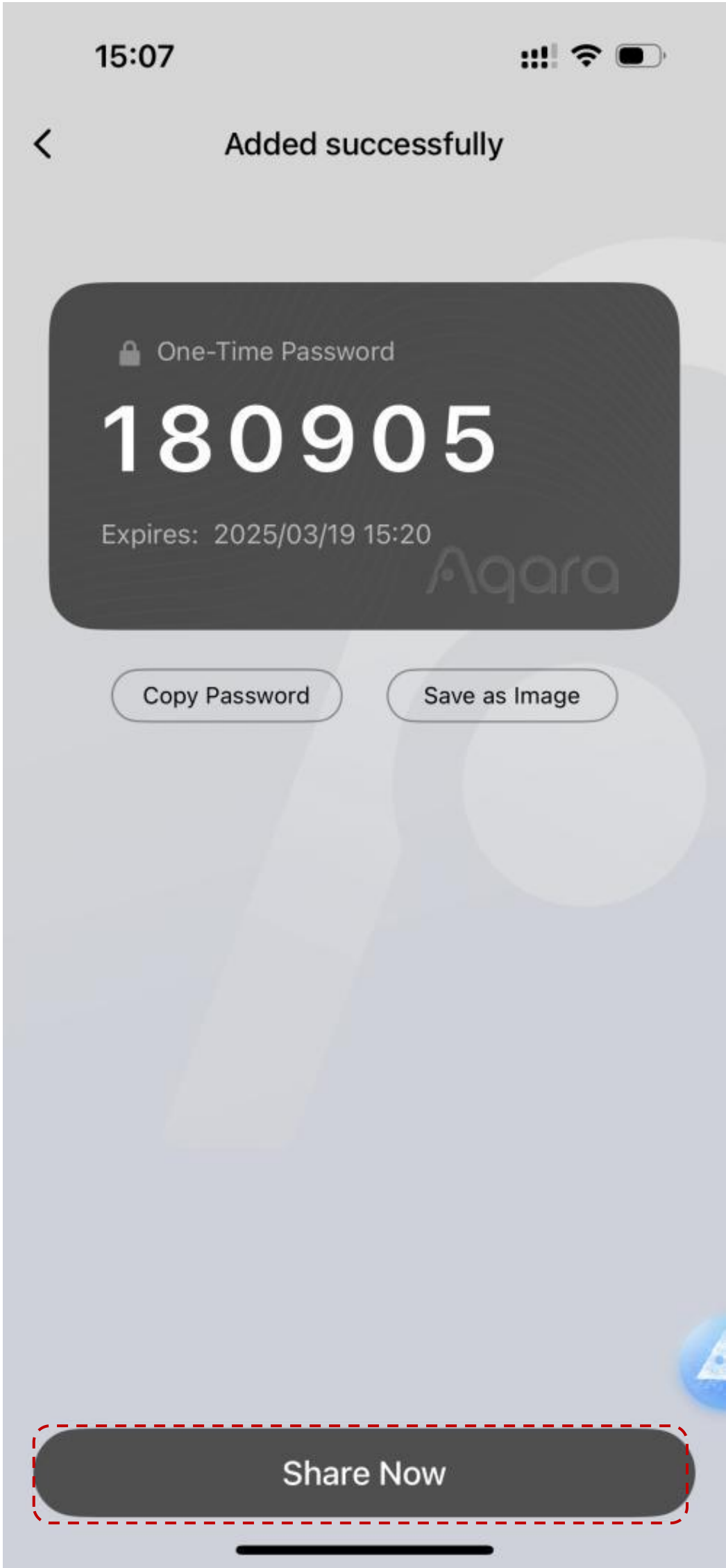
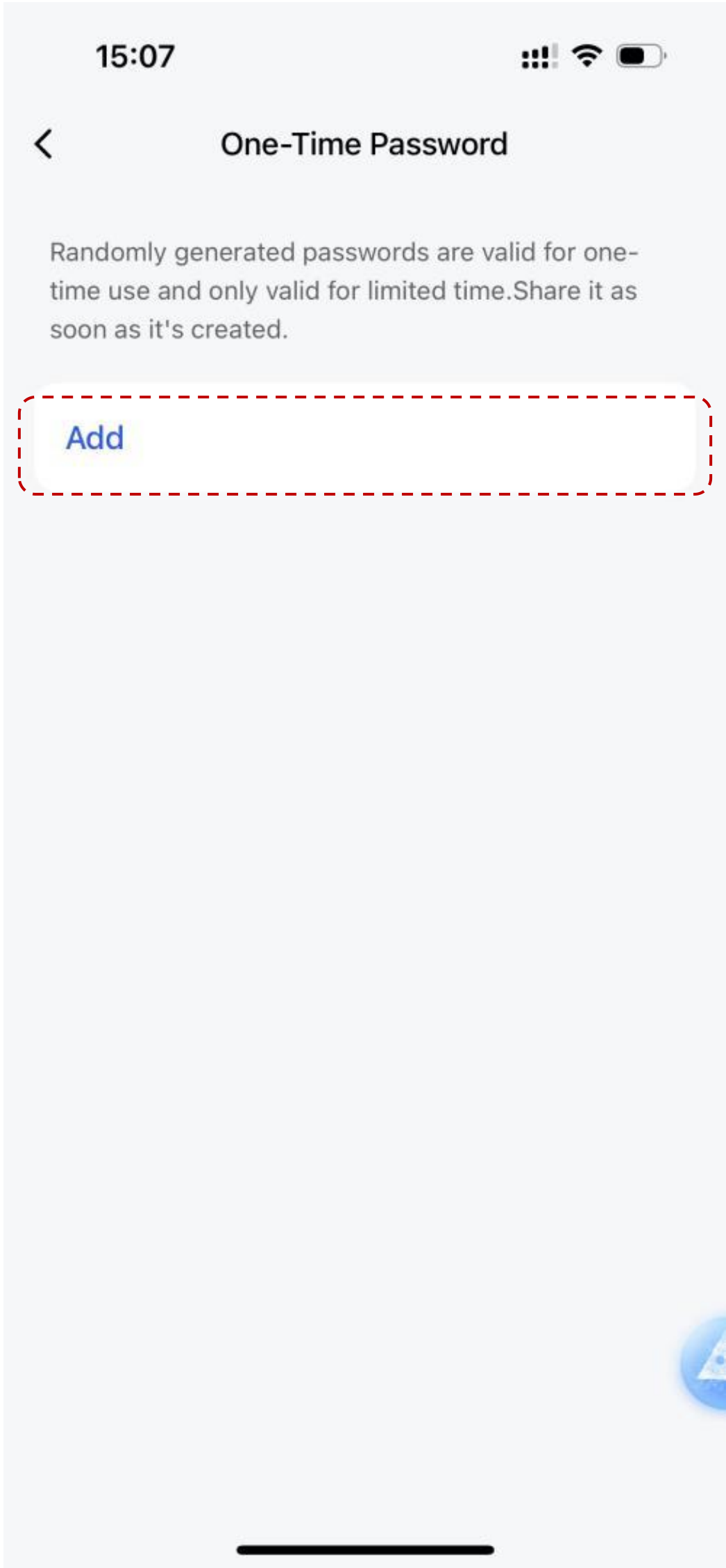
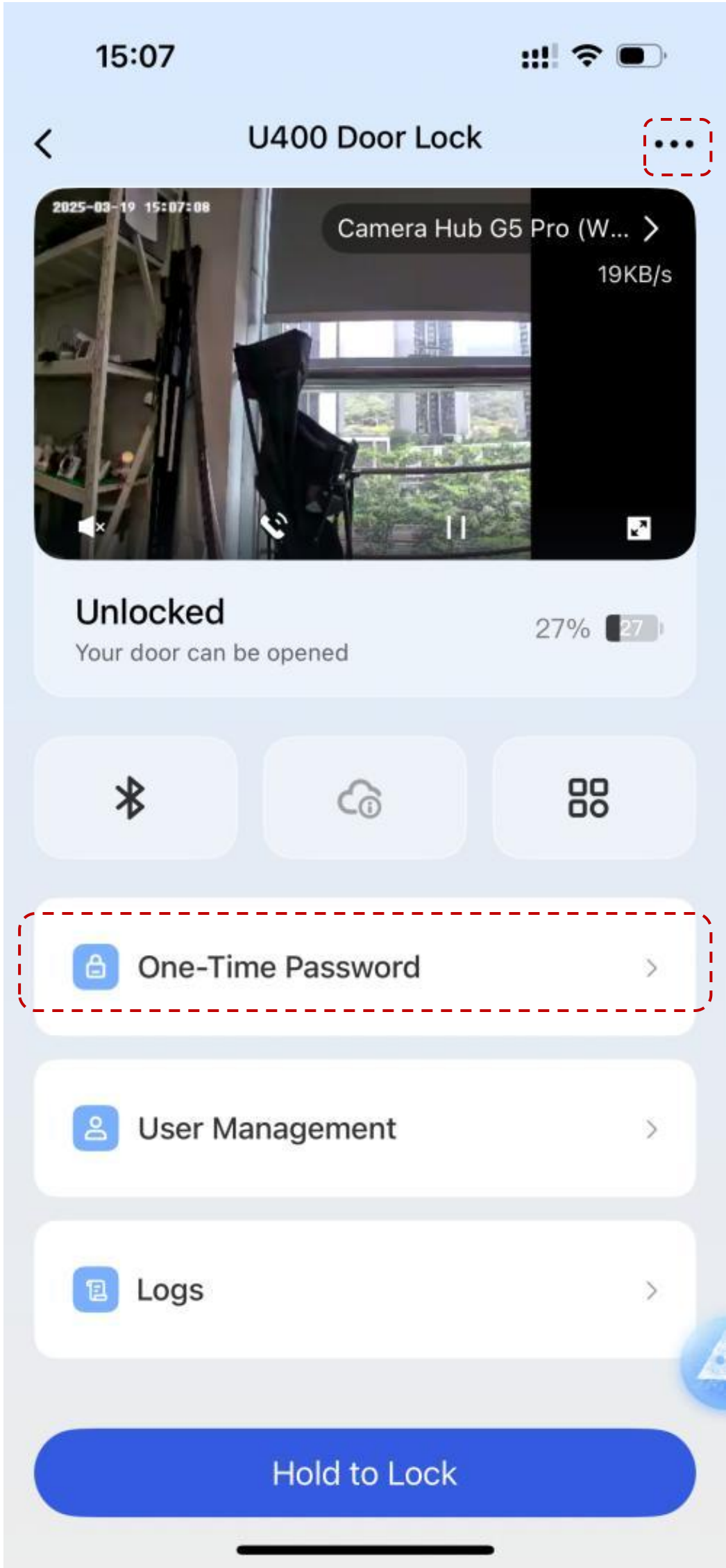
Item	Mortise Specification
Mortise	American Standard Deadbolt support 60-70mm Back-set
Lock cylinder type	SC1 5 pins + rekey supported
Lock tongue type	Single Deadbolt

Wireless Type	Item	Specification
BLE	Standard	Bluetooth 5.2
	Communication Distance	35 m in open space
Thread	Standard	Matter 1.4
	Communication Distance	The indoor distance is up to 20 meters.
UWB	Standard	Aliro
	Communication Distance	10 m

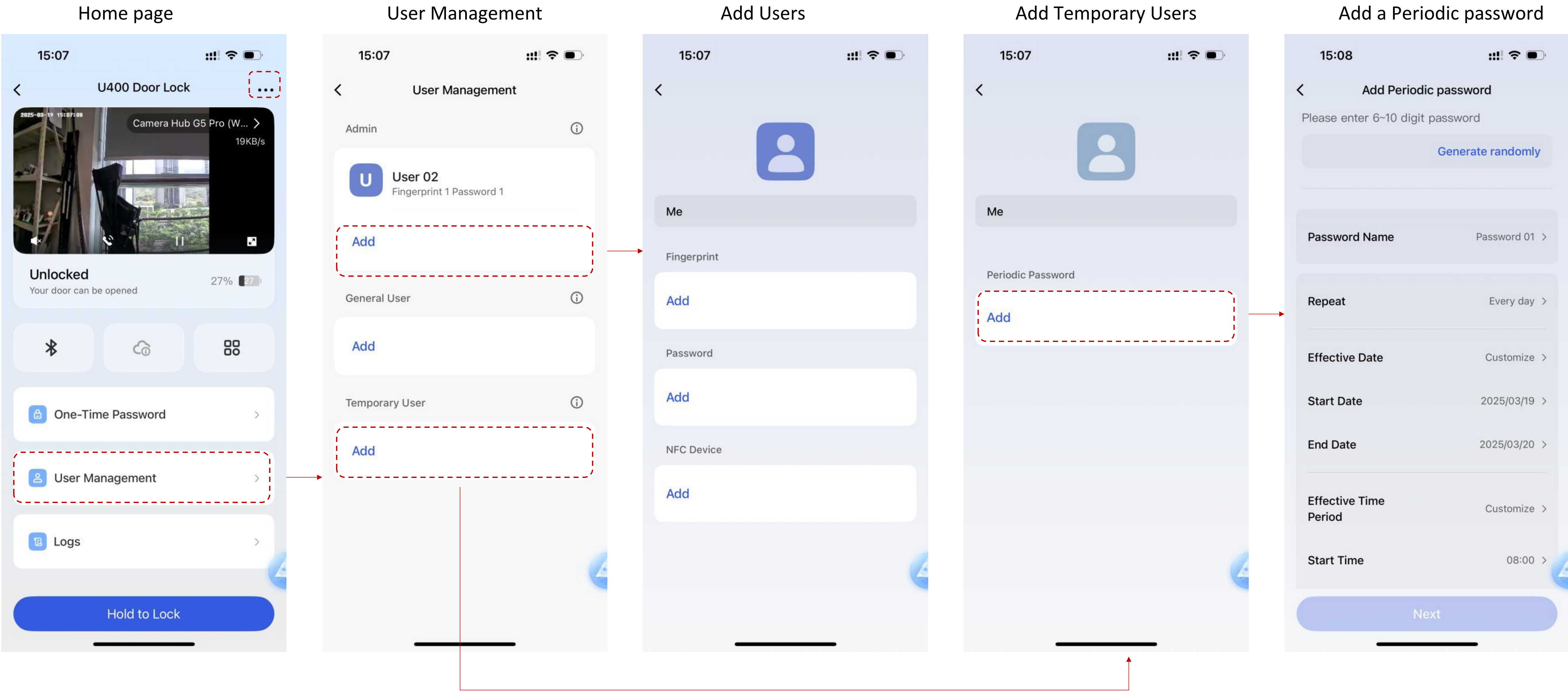
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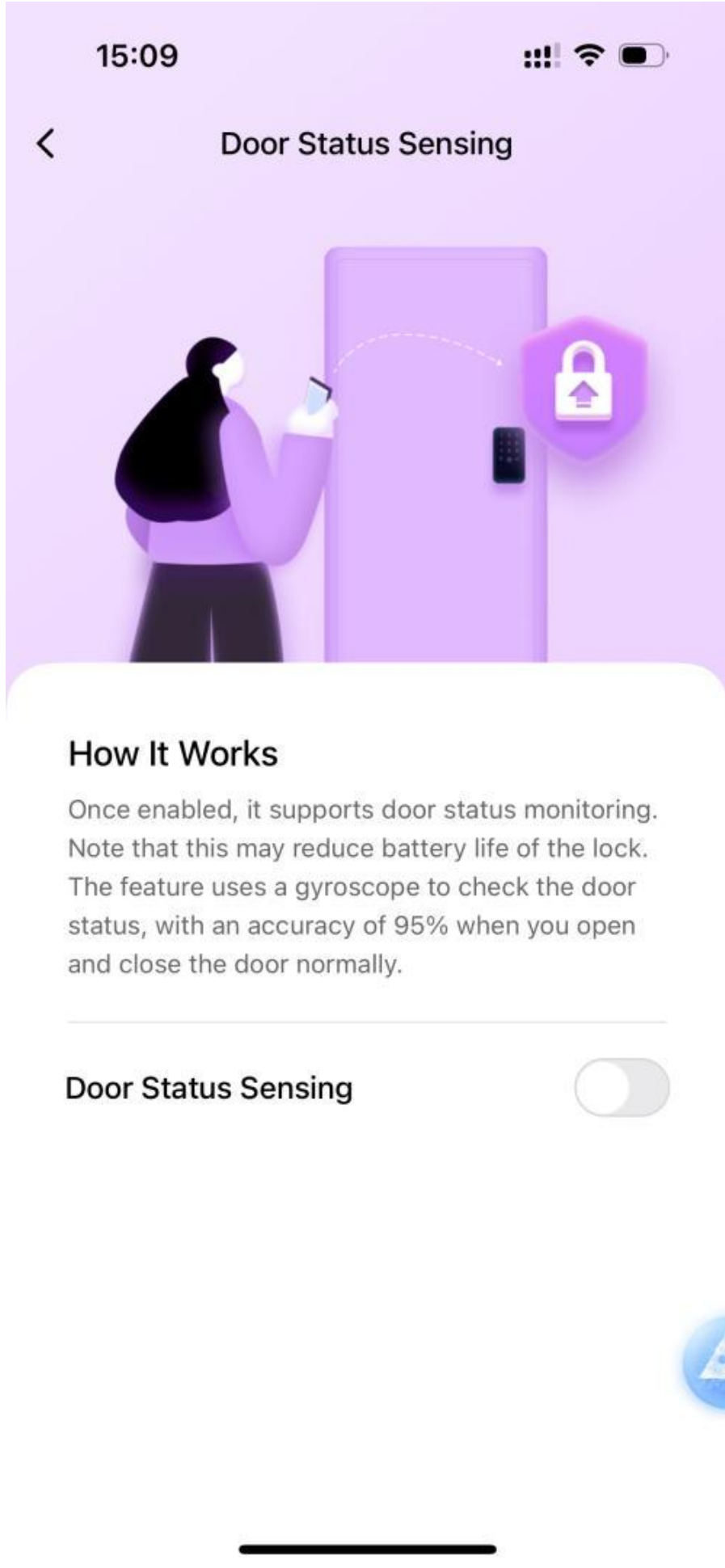
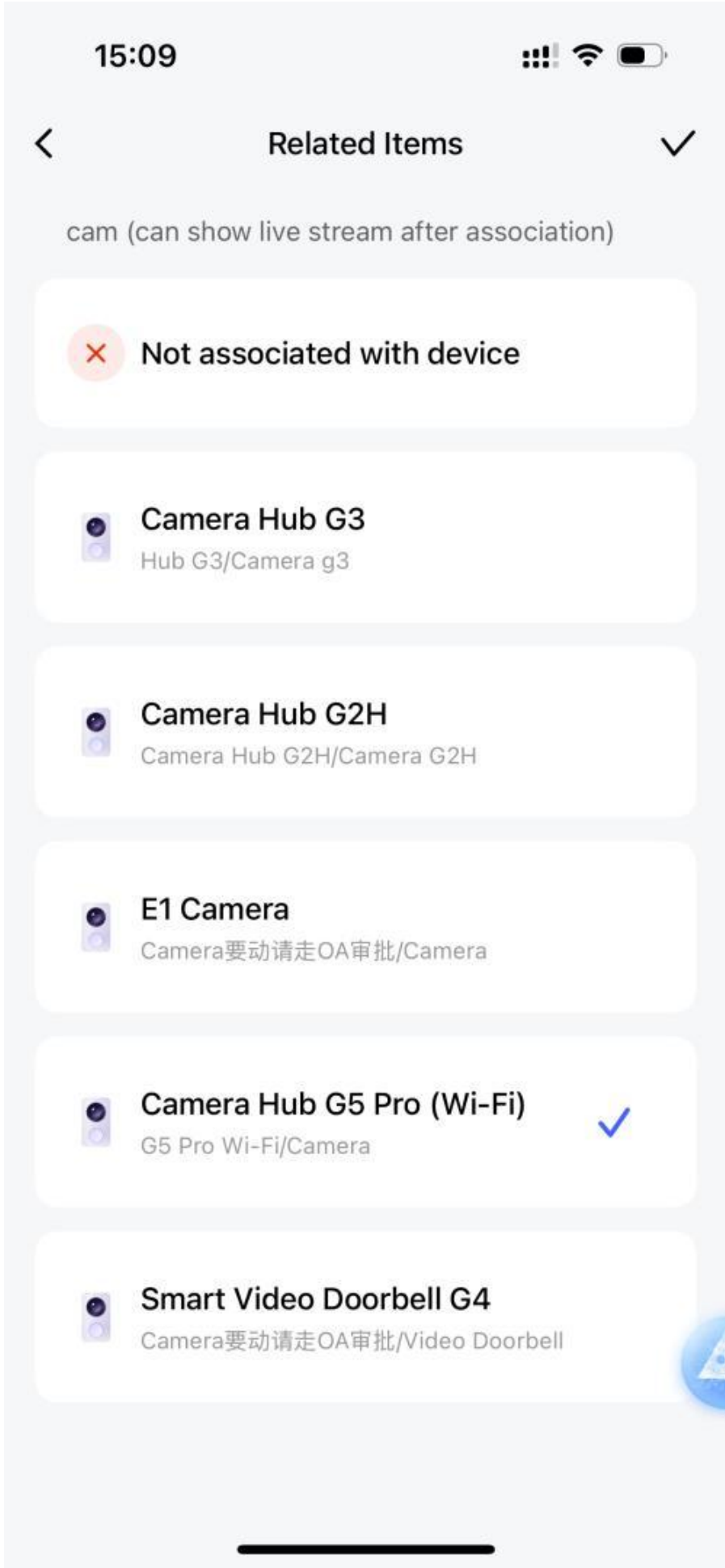
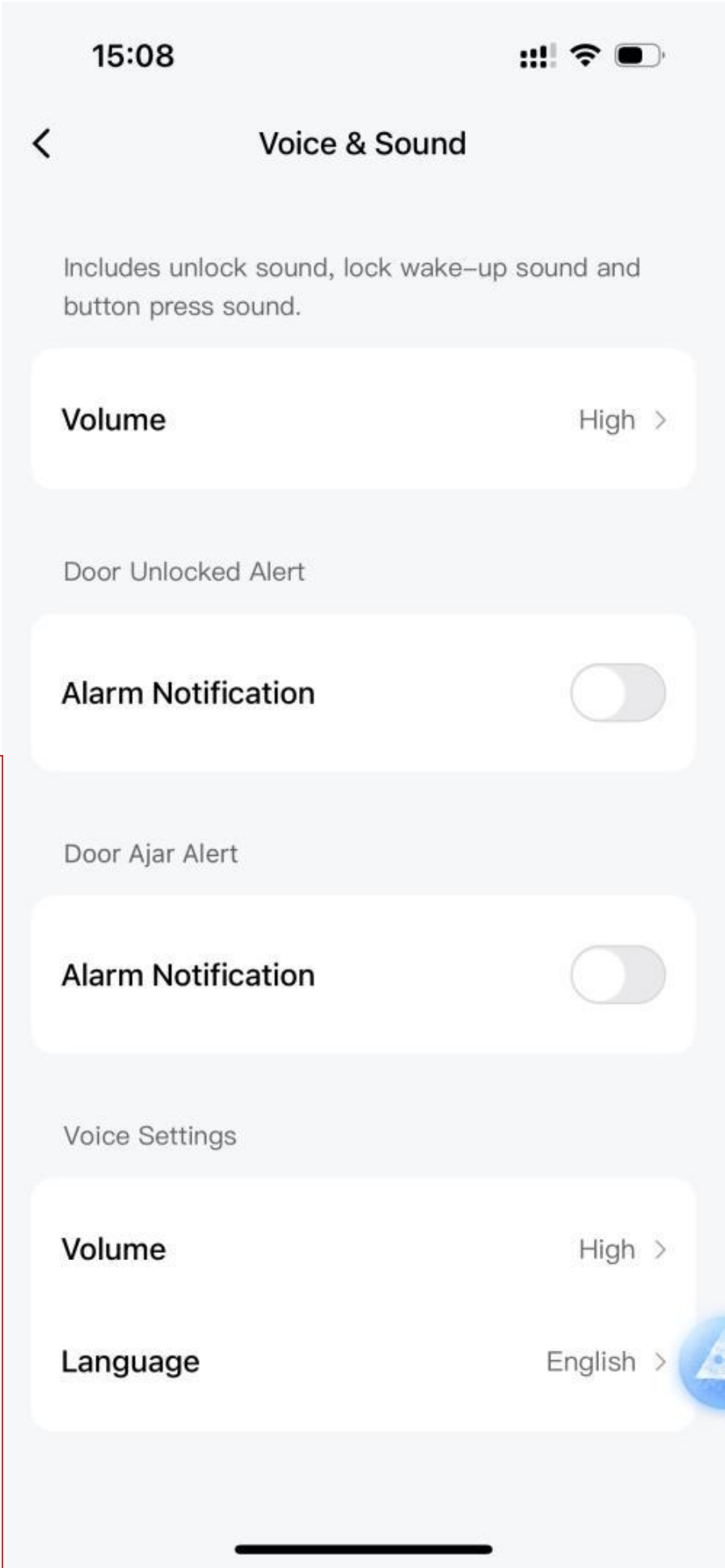
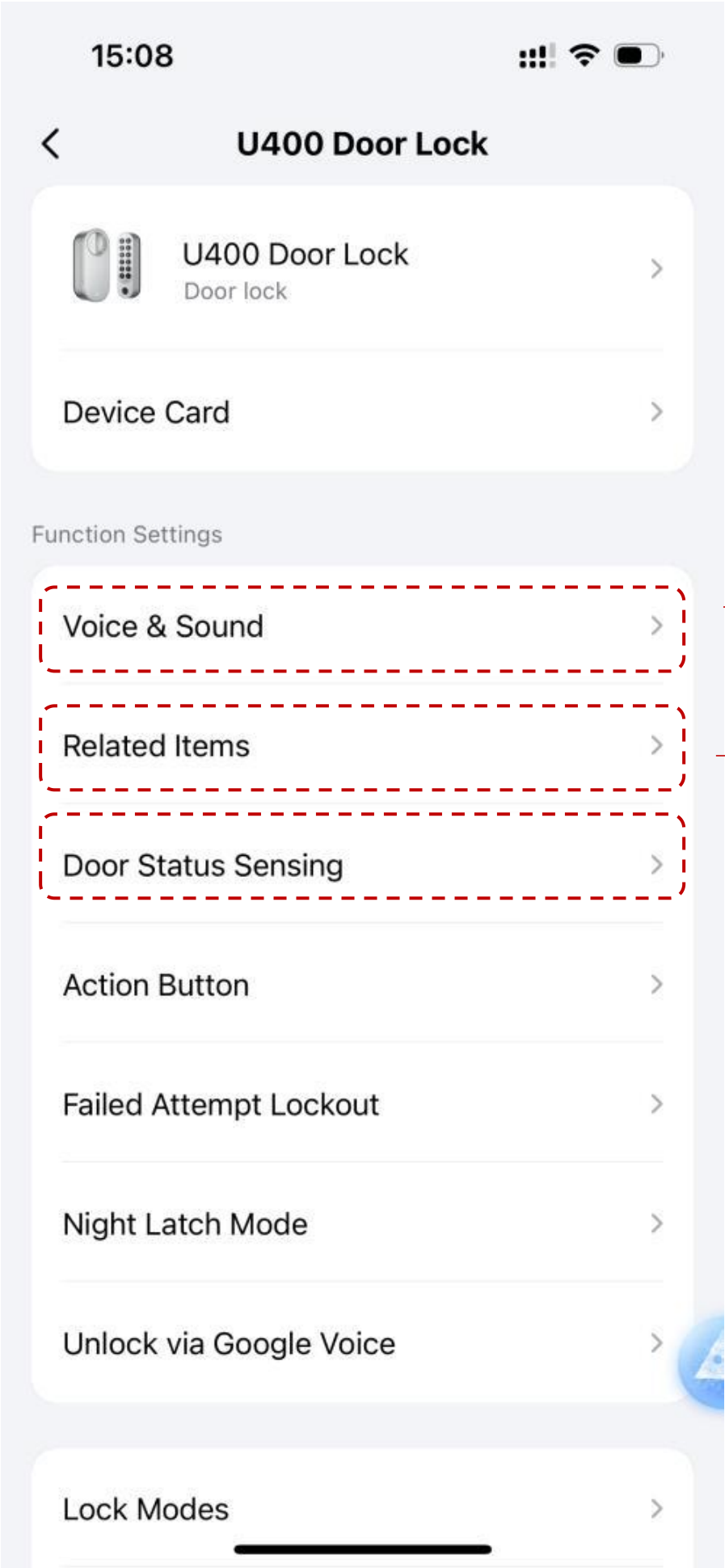
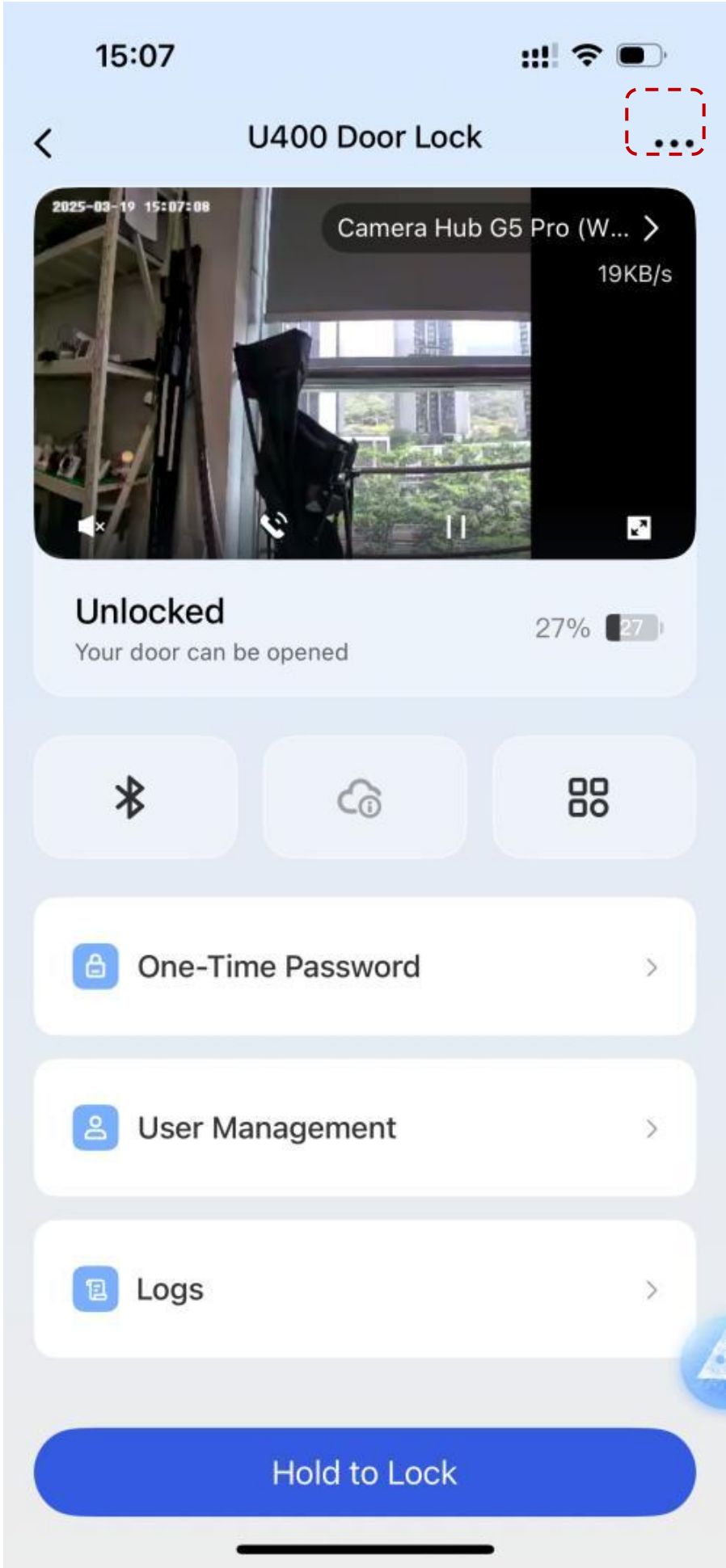
Add One-Time Password



User Management

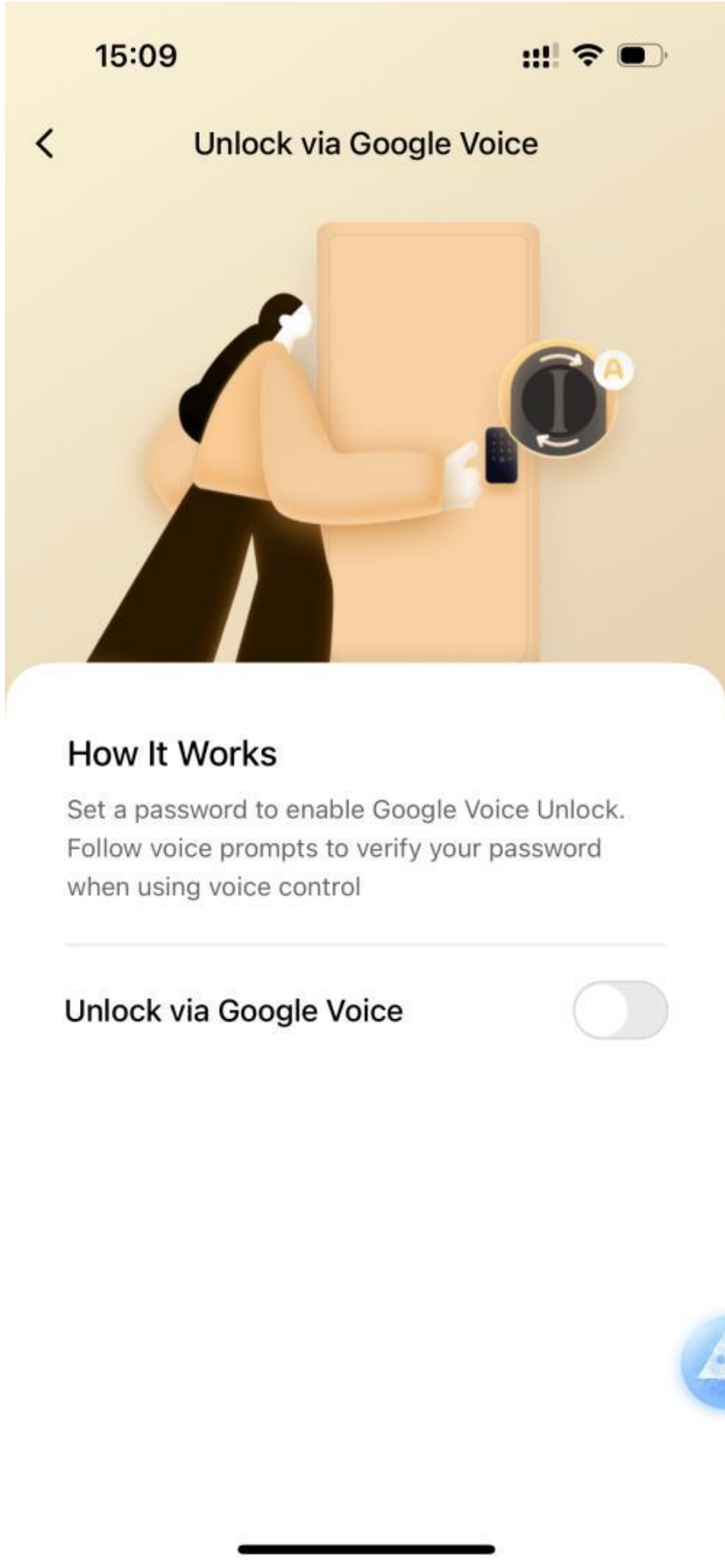
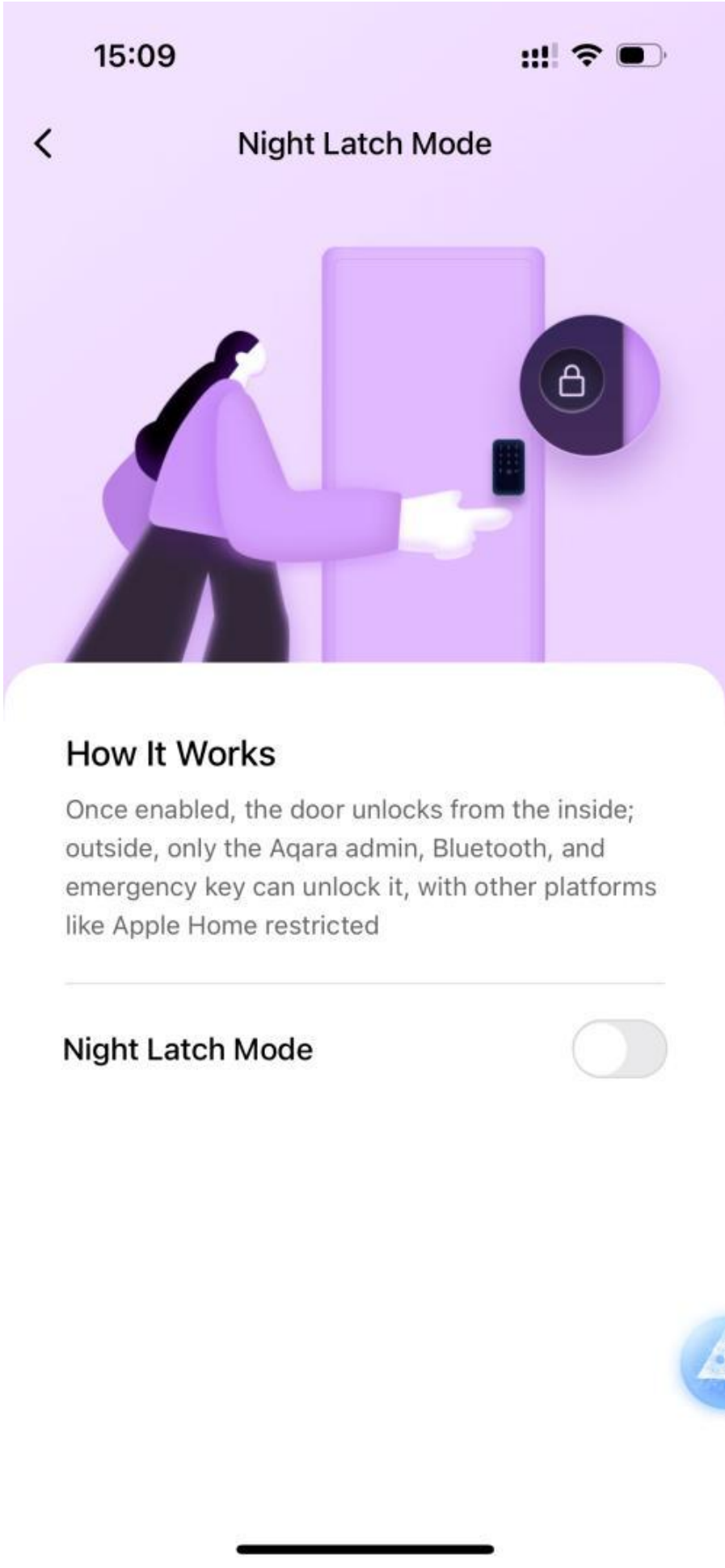
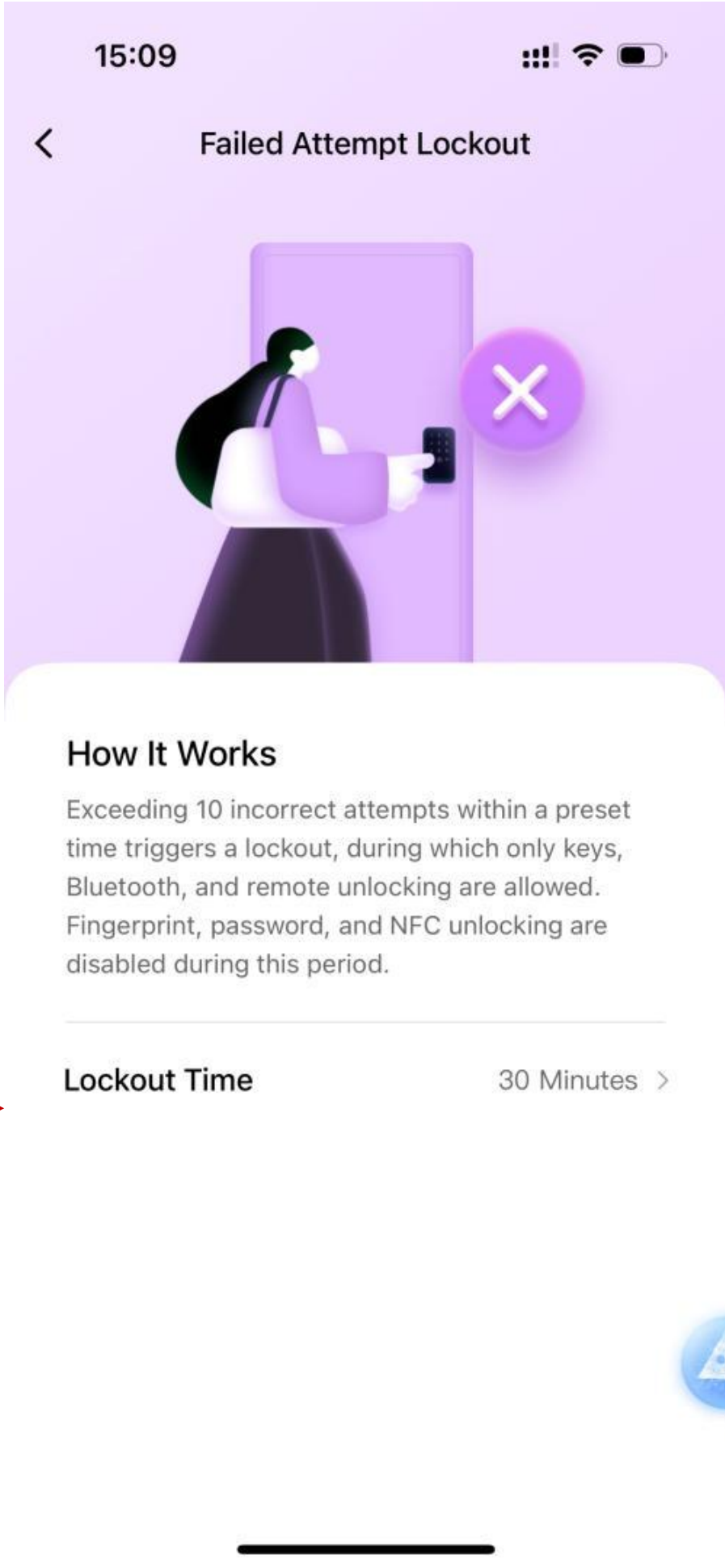
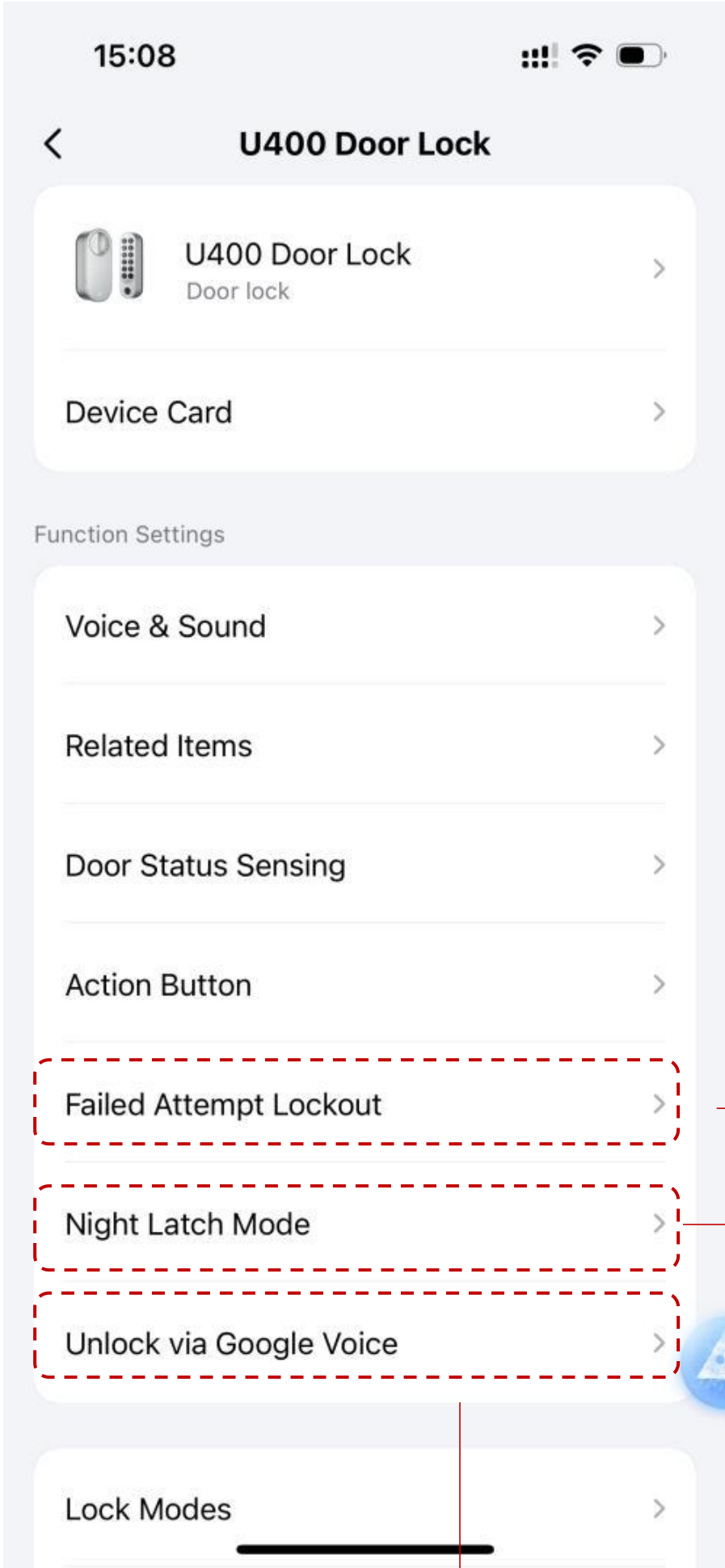
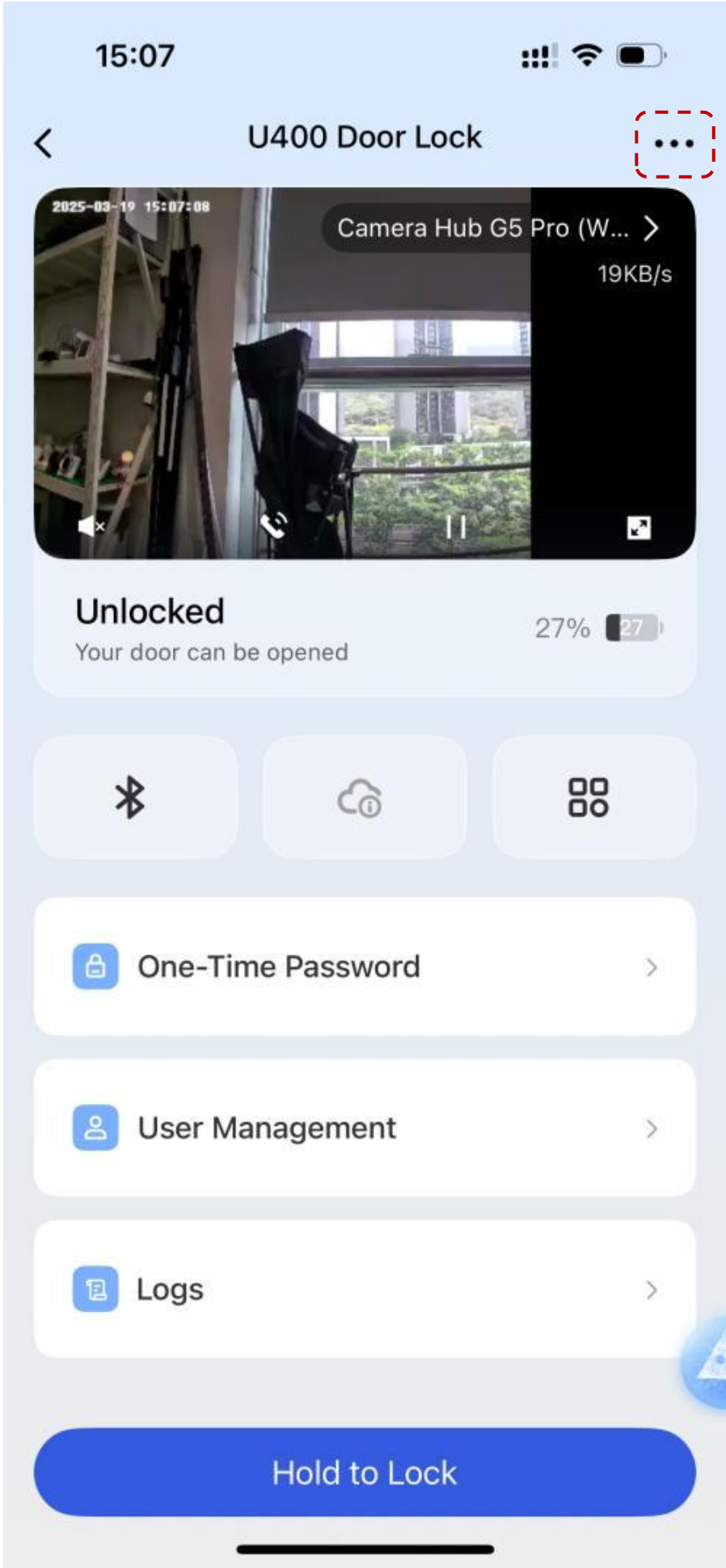


Device Settings

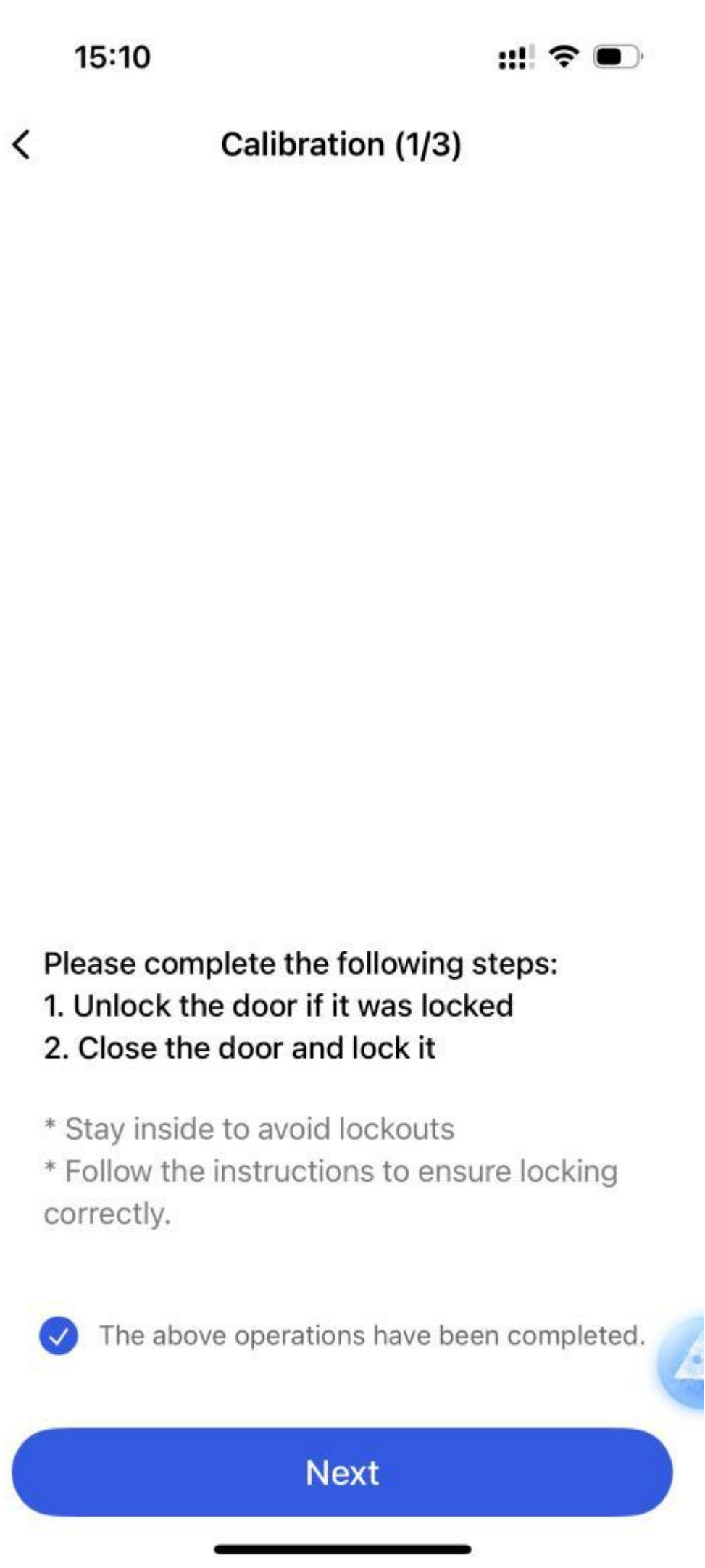
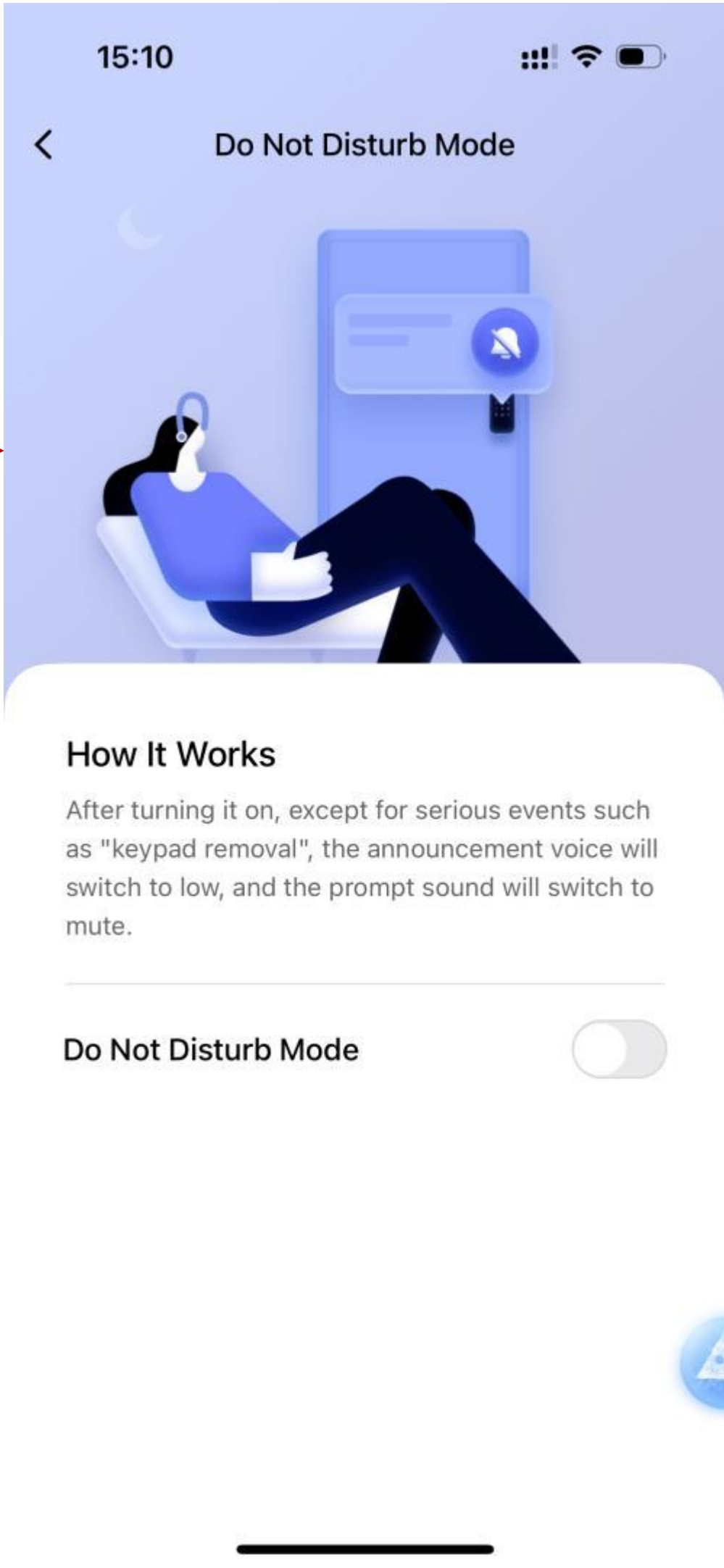
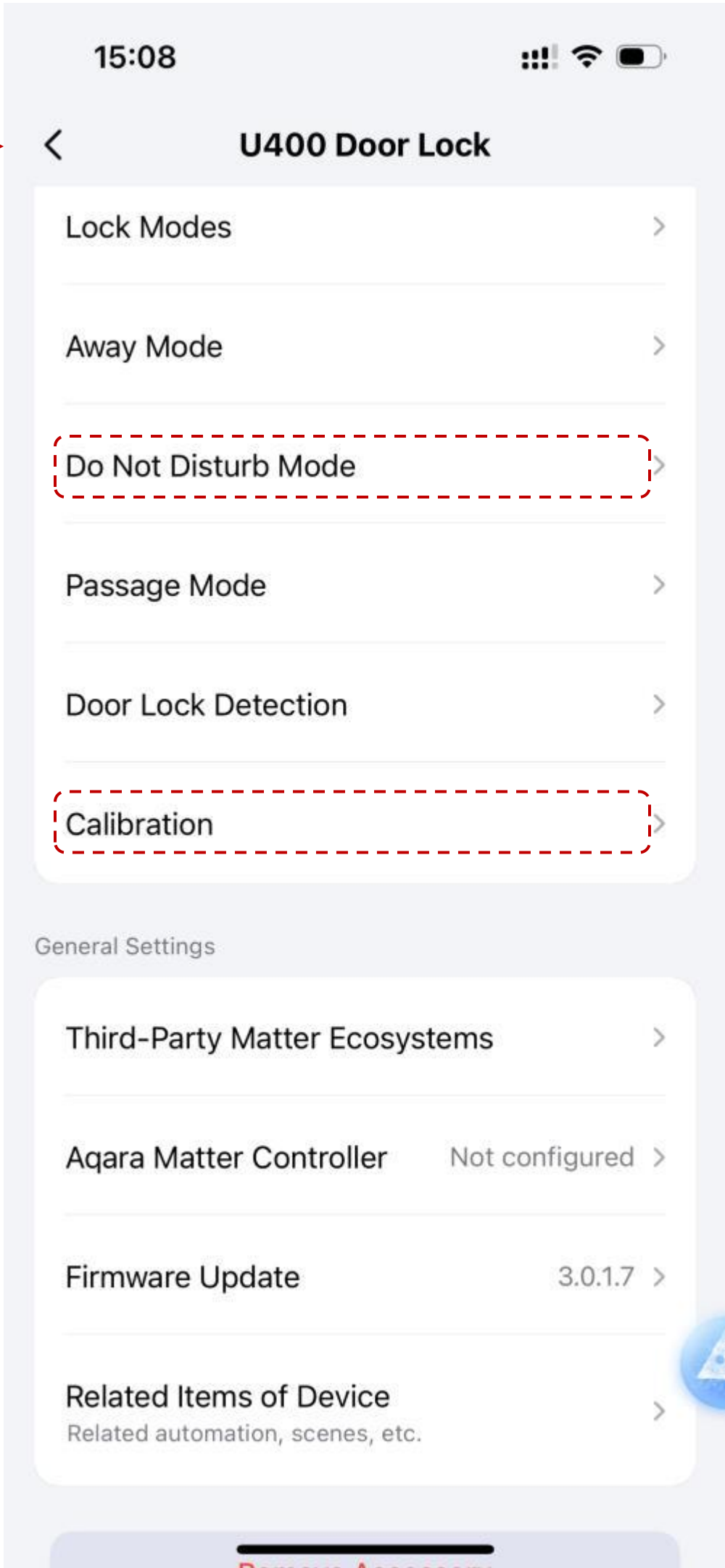
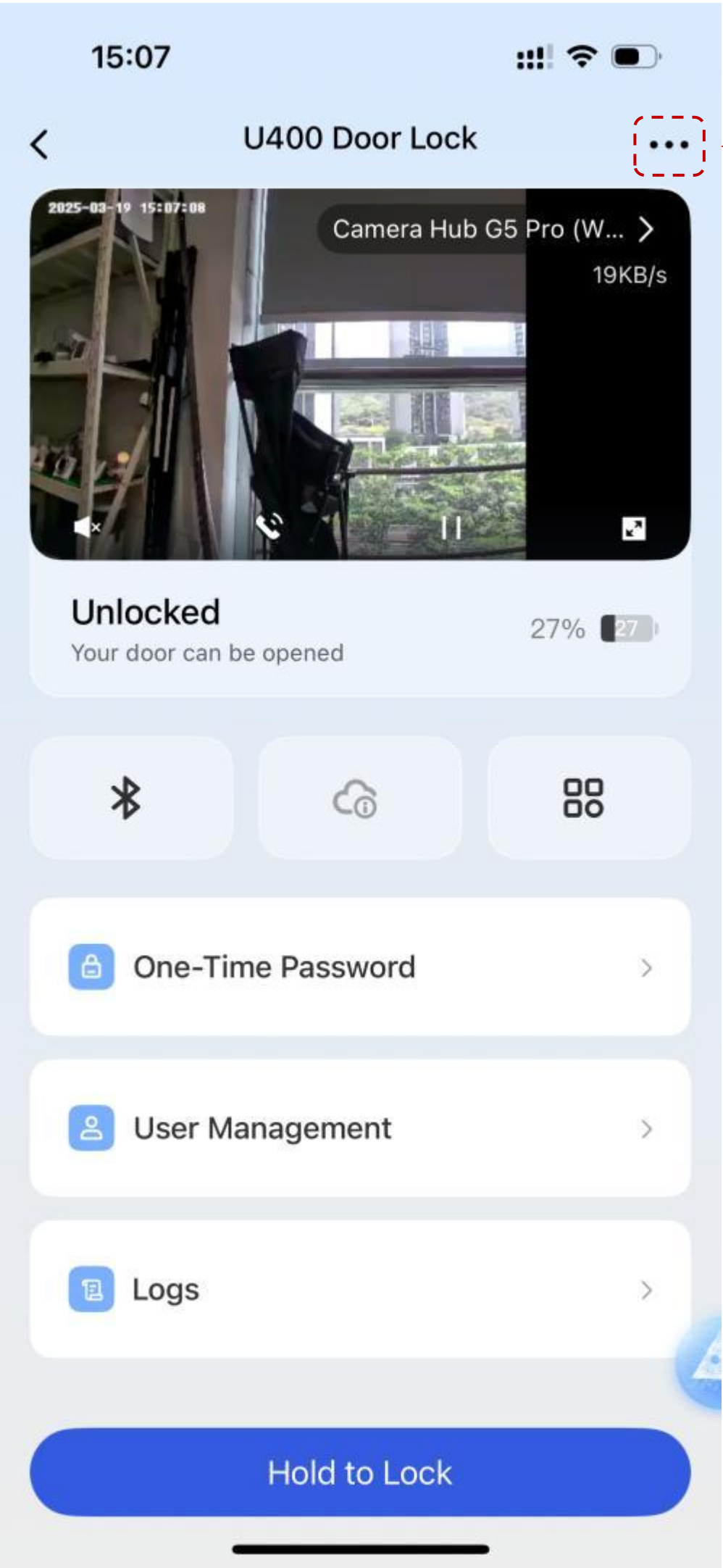


continuous connection

Device Settings



Device Settings



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U400
FAQ_202511.x

THANK YOU