

Aqara U200

Aqara Smart Lock U200 Instruction Manual

Model: U200

1. INTRODUCTION

The Aqara Smart Lock U200 is designed to provide convenient and secure keyless entry to your home. It integrates with various smart home ecosystems through Matter over Thread technology, offering multiple unlocking methods and smart features.

2. SETUP

2.1 Compatibility Check

Before installation, verify your door's lock cylinder compatibility. The U200 supports Euro profiles and select Scandi cylinders. For US deadbolt locks, ensure compatibility with backsets of 2-3/8" (60mm) and 2-3/4" (70mm).



Figure 2.1: Lock Cylinder Compatibility Guide. This diagram illustrates different lock cylinder types and their installation complexity with the Aqara Smart Lock U200.

The U200 requires a 2-in-1 Matter Controller and Thread Border Router for full functionality across various smart home ecosystems. Compatible devices include Aqara Hub M3, Apple HomePod, Apple TV 4K, Amazon Echo devices, Google Nest Hub, and Samsung SmartThings Hub.

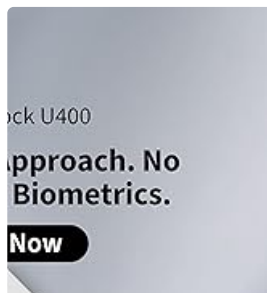


Figure 2.2: Matter Controller and Thread Border Router Compatibility. This image lists various devices that can act as a 2-in-1 Matter Controller and Thread Border Router for the U200.

2.2 Installation

The U200 is designed for hassle-free installation, often fitting over existing door locks without drilling or

screwing. It is compatible with Euro profiles and select Scandi cylinders, as well as US single deadbolts.

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Video 2.1: Aqara Smart Lock U200 Installation Guide. This video provides a detailed step-by-step guide for installing the Aqara Smart Lock U200 on various door types.

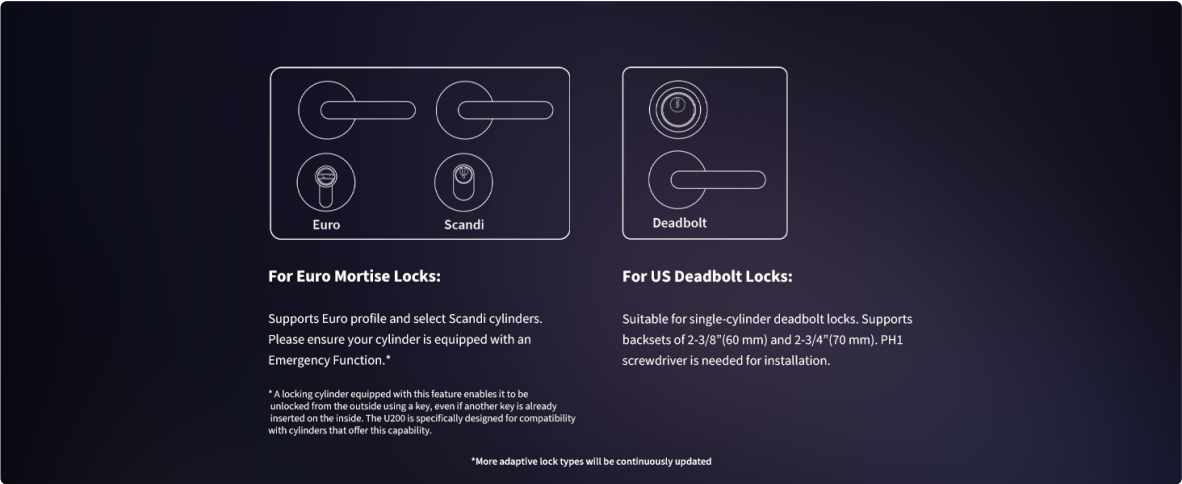


Figure 2.3: Installation on Euro Mortise and US Deadbolt Locks. This image illustrates the different installation procedures for Euro Mortise Locks and US Deadbolt Locks.

For Euro Mortise Locks, ensure your cylinder is equipped with an Emergency Function. For US Deadbolt Locks, PH1 screwdriver is needed for installation.

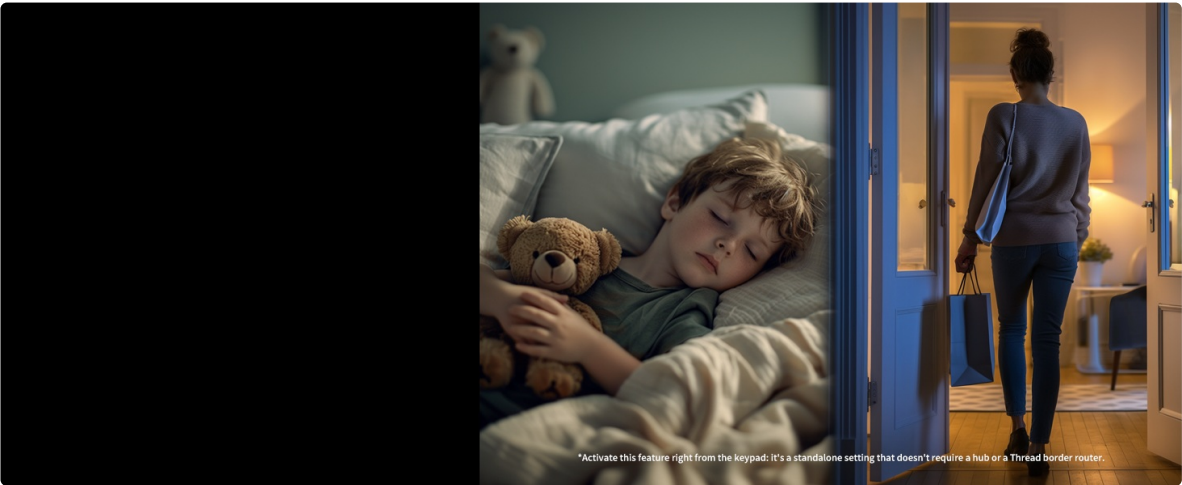


Figure 2.4: Cylinder Emergency Function. A locking cylinder with this feature allows unlocking from the outside with a key, even if another key is inserted inside.



Figure 2.5: Key and Cylinder Requirements. This image details specific dimensions and types of keys and cylinders

compatible with the U200 for EU and US doors.

2.3 Door Lock Calibration

After installation, close the door and unlock it. Then, press the Set button for 3 seconds to initiate calibration. The lock will automatically adjust its stroke. Ensure the knob operates smoothly after calibration.

2.4 Power Setup

The U200 lock is powered by a rechargeable Li-Ion battery. It is recommended to charge the battery for 3 hours the first time it is used. As an additional option, a power bank can be attached to the doorknob for convenient charging of the Smart Lock.

Connect to Matter Ecosystems						
Bind with a 2-in-1 Matter Controller and Thread Border Router						
* Features below will be available once connected to a Thread-enabled Matter hub. Refer to each ecosystem's official list for compatible models.						
	Aqara Home	Apple Home	Google Home	Amazon Alexa	SmartThings	Home Assistant
App Remote Lock/Unlock	•	•	•	•	•	•
Home Key Unlocking <small>*Only supported on iPhone XS and newer models. For details, refer to Apple's official requirements.</small>	×	•	×	×	×	×
Voice Assistant Lock/Unlock	×	•	×	•	•	×
Remote Pull Spring Feature	Available Soon	×	×	×	×	Available Soon
Remote Lock Status	•	•	•	•	•	•
Remote Battery Status	•	•	×	×	•	•
Matter User Password Setup	×	•	×	×	×	×
Automation Setup	•	•	•	•	•	•
Remote Lock Logs	×	×	×	×	×	×
Lock OTA Updates	•	•	×	×	×	×
Remote Temporary Password Setup	Available Soon	Available Soon	×	×	Available Soon	Available Soon

Figure 2.6: Power Bank Charging Option. The U200 can be charged via a power bank attached to the doorknob, ensuring continuous operation.

The keypad accommodates 1.5V AAA batteries and offers hard-wired powering capabilities. AAA batteries are not rechargeable, and a hardwired setup requires a 12V-24V AC or DC power supply.



Figure 2.7: Keypad Multi-Power Options. The keypad is IPX5-rated for outdoor usage and can be powered by AAA batteries or hardwired.

3. OPERATING

3.1 Unlocking Methods

The U200 offers a variety of convenient unlocking methods:

- **Apple Home Key:** Unlock using your iPhone or Apple Watch (requires Apple 2-in-1 Matter controller & Border Router).
- **Fingerprint:** Use the integrated fingerprint sensor on the keypad.

- **Password:** Enter a numerical code on the keypad.
- **NFC:** Use an NFC tag (not included) for quick access.
- **App Control:** Control the lock via the Aqara Home app using Bluetooth or Thread for remote access.
- **Temporary Passwords:** Generate one-time or periodic passwords for guests.
- **Mechanical Key:** Use a traditional key for emergency situations.



Figure 3.1: Apple Home Key. Unlock your door using your iPhone or Apple Watch by holding it near the lock.



Figure 3.2: Supplementary and Emergency Unlocking Options. This image displays various methods to unlock the U200, including keypad, NFC, voice assistant, app, temporary codes, and physical keys.

3.2 Quiet Unlock Mode

The U200 features a Quiet Unlock Mode, which allows the door to unlock slowly, reducing noise levels. This feature can be activated directly from the keypad and does not require a hub or Thread border router.



Figure 3.3: Innovative Quiet Unlock Mode. This mode allows for silent unlocking, ideal for not disturbing sleeping family members.

3.3 Auto Lock

Thanks to the built-in gyroscope, the U200 can remind you if the door is left open and automatically lock it after closure. This feature is available within the Aqara Home app (ensure firmware is updated).



Figure 3.4: Automatic Locking Feature. The U200 can detect if the door is left open and automatically lock it after closing.

3.4 App Integration

The Aqara Smart Lock U200 seamlessly integrates with the robust Matter platform and is compatible with Apple Home, Google Home, Amazon Alexa, Samsung SmartThings, and Aqara Home. With the Aqara Hub M3, you can enable remote unlock and set up automations.

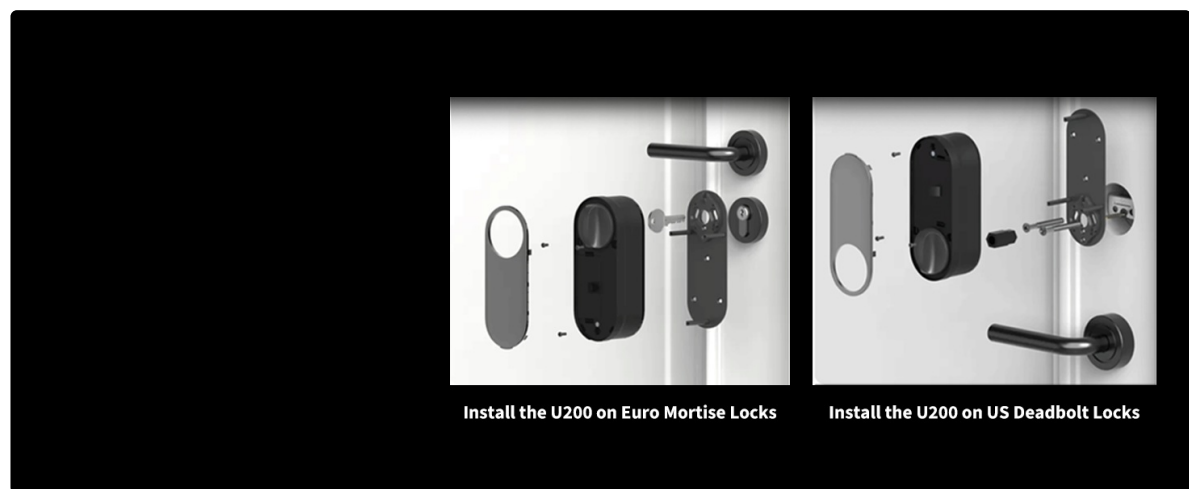


Figure 3.5: Matter Ecosystem Compatibility. This table outlines which features are available when connected to various Matter-enabled hubs and ecosystems.

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Video 3.1: Aqara Smart Lock U200 Introduction. This video provides an overview of the U200's features and smart home integration.

4. MAINTENANCE

4.1 Battery Life and Charging

The U200 lock's rechargeable Li-Ion battery provides up to 6 months of battery life (based on up to 8 daily unlocking and locking actions via fingerprint/NFC). The keypad uses 1.5V AAA batteries or can be hardwired. Monitor battery levels via the Aqara Home app.

4.2 Cleaning

To clean the lock and keypad, use a soft, dry cloth. Avoid abrasive cleaners or solvents that could damage the finish.

5. TROUBLESHOOTING

If the knob is not smooth after installation, slightly loosen the three screws on the mounting plate to prevent over-compressing the cylinder. If the knob does not turn smoothly after installation, please try reinstalling the unit.

For further troubleshooting, refer to the Aqara Home app's support section or the official Aqara website.

6. SPECIFICATIONS

Brand: Aqara

Model: EL-D02E

Color: Silver

Power Source: Battery Powered (Rechargeable Li-Ion for lock, AAA for keypad)

Compatible Devices: Aqara M3 hub, Apple Home, Google Home, Amazon Alexa, Samsung SmartThings

Item Dimensions L x W x H: 2.44 x 2.36 x 5.98 inches

Connectivity Technology: Wireless (Matter over Thread, Bluetooth)

Installation Type: Self-Adhesive (for keypad), Retrofit (for lock)

Item Weight: 2.55 pounds

Voltage: 1.5 Volts (AAA batteries)

Control Method: App, Touch

Battery Cell Composition: Lithium Ion

Battery Life: 6 months (lock)

Special Features: Fingerprint, Tamper Alert, Quiet Unlock Mode, Auto Lock

7. WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the official documentation included with your product or visit the Aqara website.