QttyElok R01Tuya Kit with Magnetic Lock

QttyElok R01Tuya Wireless WiFi Door Access Control System Kit with Magnetic Lock User Manual

Model: R01Tuya Kit with Magnetic Lock

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the QttyElok R01Tuya Wireless WiFi Door Access Control System Kit with Magnetic Lock. This system offers convenient and secure access control through multiple methods, including a smart mobile application, remote controls, and an exit button.

2. PACKAGE CONTENTS

Please verify that all components listed below are included in your package:

- 1 x Tuya Remote Receiver
- 1 x Buzzer
- 1 x Power Adapter (DC12V / 2A)
- 2 x Remote Transmitters (433MHz)
- 1 x 180KG/350lbs Electric Magnetic Lock
- 1 x Door Exit Button
- Connecting Wires
- English Instruction Manual

Image: Overview of the QttyElok R01 Tuya Door Access Control System Kit components.

Your browser does not support the video tag.

Video: Unboxing the 180KG Magnetic Lock and its components.

3. PRODUCT SPECIFICATIONS

Component	Specification
Tuya Remote Receiver	Working Voltage: DC12V, Working Frequency: 433MHz, Material: ABS Plastic, Locking Time Delay: 0/5/10 seconds adjustable, Working Mode: Momentary/Latched/Toggle, Lock mode: NC/NO (Fail safe/fail secure), Built-in Tuya module, supports WiFi Tuya app.
Remote Transmitter	Working Voltage: 6VDC, Working Frequency: 433MHz, Operating Current: 8mA, Case Material: Metal, Emission Distance: Max 30 meters, Quantity: 2pcs.
180KG Electric Magnetic Lock	Material: Aluminum alloy shell + iron plate, Holding Force: 180KG/350lbs, Working Voltage: DC12V, Working Current: 380-430mA, Suitable for: Metal, wooden, glass doors, Working Mode: Locked when power on, unlocked when power off (NC type), Waterproof: Yes.

Door Exit Button	Product Size: 35X25X90mm (L/W/H), Working Voltage: DC12V, Sustained Current: 3A 36VDC, Contact Output: NO/COM, Mechanical Life: 500,000 tested, Working Temperature: -20°C ~ +50°C, Relative Humidity: 0-95%, Material: Aluminum alloy.
Power Adapter	Input: AC100V-240V 50/60Hz, Output: DC12V / 2A (2000mA), Cable Length: 1.5 meter.

Image: Dimensions of the remote control receiver unit.

Door Exit Button

Product Size：35X25X90mm(L/W/H)
(suitable most of doors)
Working Voltage：DC12V
Sustained Current：3A 36VDC
Contact Output：NO/COM
Mechanical Life: 500000 tested
Working Temperature：‐20℃~＋50℃
Relative Humidity：0-95%
Material: Aluminum alloy

Remote Transmitter

Material: Plastic + metal
Working Voltage: 6VDC
Working Frequency: 433MHz
Operating Current: 8mA
Emission Distance: Max 30 meter
Button: 1
Quantity: 2pcs

Image: Detailed specifications and dimensions for the Door Exit Button and Remote Transmitter.

4. INSTALLATION AND WIRING

Follow these steps to correctly install and wire your access control system. Ensure power is disconnected before beginning any wiring.

4.1 Wiring Diagram Overview

Image: Detailed wiring diagram showing connections between the main control board, speaker, exit button, magnetic lock, and power supply.

The system includes a main control board (Tuya Remote Receiver), a speaker (buzzer), an exit button, a 180KG magnetic lock, and a power supply. Connect the components as shown in the diagram. The magnetic lock is an NC (Normally Closed) type, meaning it locks when powered and unlocks when power is removed.

4.2 Step-by-Step Wiring

1. Connect the power adapter to the Tuya Remote Receiver's power input.
2. Connect the magnetic lock to the "LOCK" terminals on the receiver. Ensure correct polarity (red to positive, black to negative).
3. Connect the exit button to the "EXIT BUTTON" terminals on the receiver.
4. Connect the buzzer to the designated speaker terminals on the receiver.
5. Ensure all connections are secure before applying power.

Your browser does not support the video tag.

Video: A detailed demonstration of the wiring process for the access control system components.

4.3 Magnetic Lock Type (NC Model)

The included 180KG Electric Magnetic Lock operates as an NC (Normally Closed) type. This means the lock is engaged (locked) when power is supplied to it and disengages (unlocks) when the power supply is interrupted. This is a fail-safe mechanism, ensuring the door unlocks during a power failure.

Your browser does not support the video tag.

Video: Demonstration of the NC (Normally Closed) operation of the magnetic lock, showing it locks when powered and unlocks when power is removed.

5. OPERATING INSTRUCTIONS

The QttyElok R01Tuya system offers multiple methods for unlocking your door.

5.1 Tuya APP Integration

The system integrates with the Tuya Smart APP, allowing you to control access remotely from your smartphone.

1. Download the Tuya Smart APP from your device's app store.
2. To enter pairing mode: Adjust the TIME switch on the receiver to 10 seconds. Press and hold the RF-Key button until the LED lights flash red and green alternately. Release the RF-Key.
3. Open the Tuya APP on your phone, click "Add Device", and search for nearby devices. Add the "WiFi+433 Switch" device.
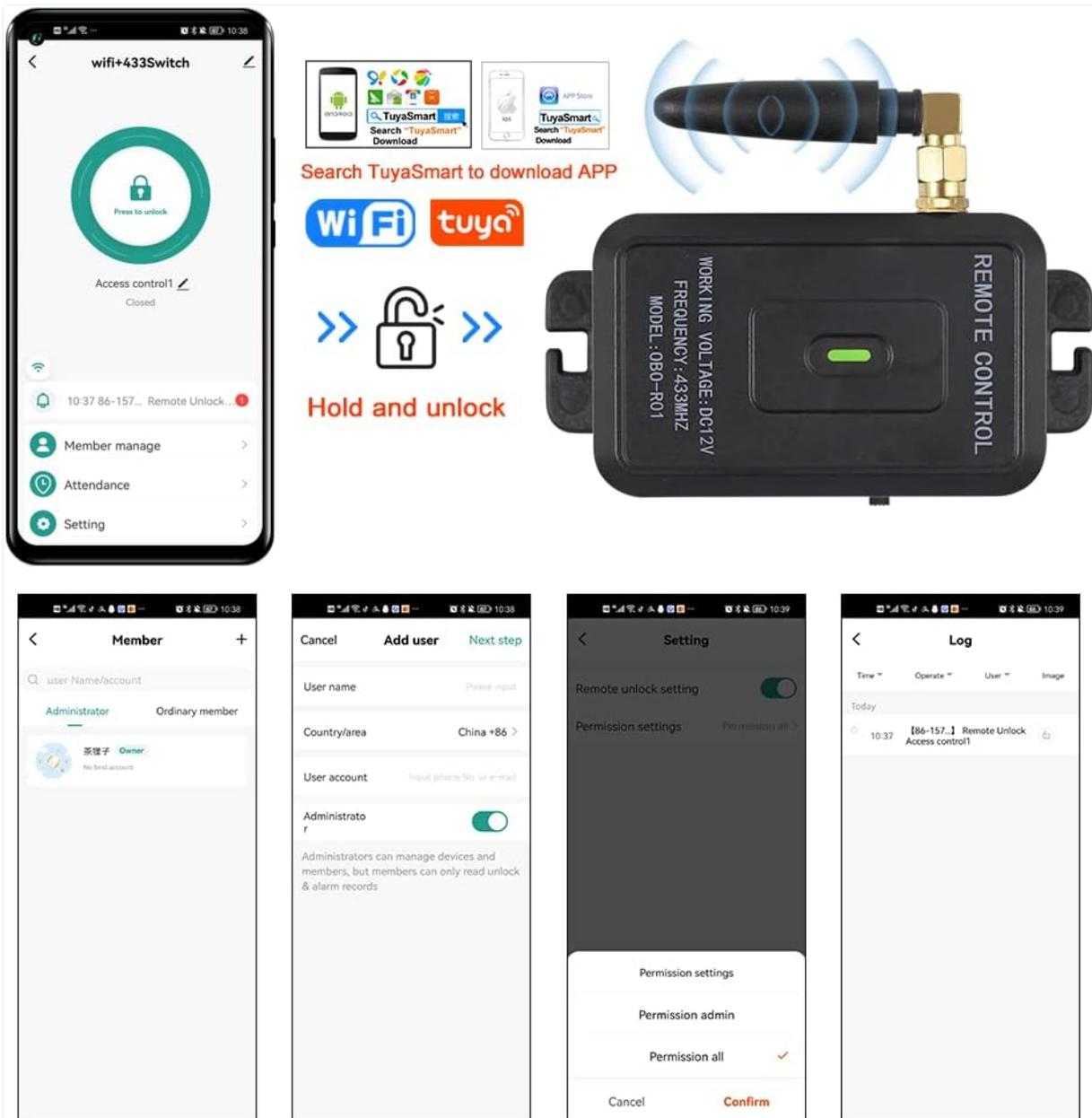4. Once paired, you can use the Tuya APP to unlock the door, manage members, and view door opening logs.

Image: Screenshots of the Tuya APP interface and instructions for pairing the device.

Your browser does not support the video tag.

Video: Demonstration of connecting the device to the Tuya APP and unlocking the door via the app.

5.2 Remote Control Operation

The system supports up to 40 remote transmitters for convenient unlocking within a 30-meter range.

1. To pair a remote control: Adjust the TIME switch on the receiver to 0 seconds. Press the RF-Key button on the receiver until the green light flashes.
2. While the green light is flashing, press the button on your remote control. The red light on the receiver will illuminate, indicating successful pairing.
3. Once paired, press the remote control button to unlock the door.

Your browser does not support the video tag.

Video: Instructions on how to pair and use the remote control with the access control system.

5.3 Exit Button Operation

The wired exit button provides a simple and direct way to unlock the door from the inside.

- Press the "PUSH TO EXIT" button to momentarily unlock the door.

Support 3 Different Unlock Methods

When you are not home, you can unlock the electric lock door remotely for your friends and family via free mobile phone APP, no longer have to unlock it beside the door.

Exit Button Unlock: beside the door

Remote Control Unlock: 0 - 30 meter

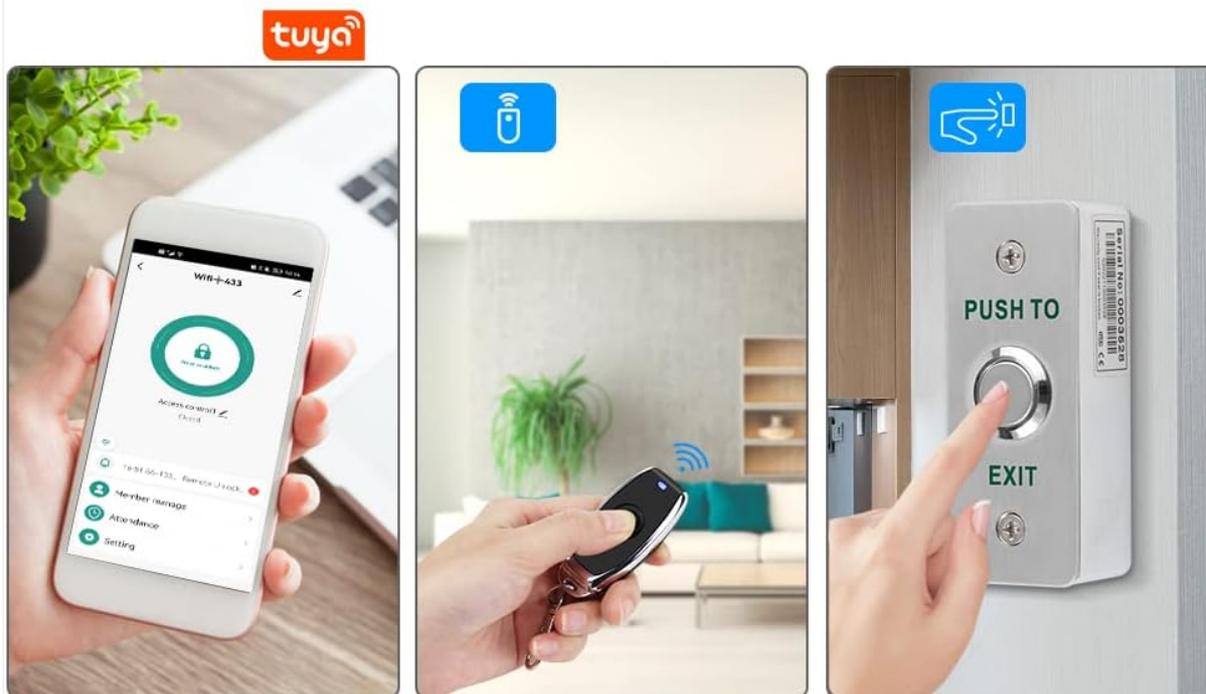**Tuya APP Unlock: anywhere**

Image: Visual representation of the three available unlock methods: Tuya APP, Remote Control, and Exit Button.

5.4 Adjusting Locking Time Delay

The Tuya Remote Receiver allows adjustment of the locking delay to 0, 5, or 10 seconds. The default setting is 5 seconds.

- Locate the "TIME" switch on the Tuya Remote Receiver.
- Adjust the switch to your desired delay setting (0, 5, or 10 seconds).

Your browser does not support the video tag.

Video: Demonstration of resetting the door opening delay to 5 or 10 seconds.

5.5 Operating Modes

The receiver supports three operating modes: Latched, Toggle, and Momentary. These modes determine how the lock behaves after an unlock command.

- **Latched Mode:** Adjust the internal button to the middle position. In this mode, the lock remains unlocked until a re-lock command is issued (e.g., pressing the remote again or using the app).
- **Toggle Mode:** Adjust the internal button to the leftmost position. After remote unlocking, the remote needs to be pressed once more to re-lock the door.
- **Momentary Mode:** Adjust the internal button to the rightmost position. This mode automatically locks the door after a delay of 5 or 10 seconds (set by the TIME switch) following an unlock command.

Your browser does not support the video tag.

Video: Demonstration of selecting Latched, Toggle, and Momentary operating modes for the access control system.

5.6 Deleting Remote Controls

To remove paired remote controls from the system:

1. Adjust the TIME switch on the receiver to 0 seconds.
2. Press and hold the RF-Key button for 15 seconds until the green light flashes.
3. Release the RF-Key. All previously paired remote controls will be deleted.

Your browser does not support the video tag.

Video: Instructions on how to delete paired remote controls from the system.

6. TROUBLESHOOTING

- **System not powering on:** Check all power connections and ensure the power adapter is correctly plugged into a working outlet. Verify the power adapter output is DC12V.
- **Magnetic lock not engaging/disengaging:**

  - Ensure the magnetic lock is correctly wired to the "LOCK" terminals on the receiver.
  - Confirm the magnetic lock is receiving DC12V power.
  - Check the operating mode (Momentary, Latched, Toggle) to ensure it matches your intended behavior.

- **Remote control not working:**

  - Ensure the remote control is properly paired with the receiver (refer to Section 5.2).
  - Check the remote control battery.
  - Verify you are within the 30-meter operating range.

- **Tuya APP not connecting/controlling:**

  - Ensure your smartphone has a stable internet connection (WiFi or mobile data).
  - Verify the Tuya Remote Receiver is connected to your WiFi network.
  - Re-attempt the pairing process as described in Section 5.1.
  - Check for any app updates.

- **Buzzer not sounding:** Check the wiring connection of the buzzer to the receiver.

7. MAINTENANCE

- Regularly inspect all wiring connections for signs of wear or damage.
- Keep the magnetic lock and armature plate clean and free of debris to ensure proper contact and holding force.
- Periodically check remote control batteries and replace them as needed.
- Ensure the Tuya Smart APP is updated to the latest version for optimal performance and security.
- Clean the exterior of the components with a soft, dry cloth. Avoid using abrasive cleaners or solvents.

8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the QttyElok official website. Keep your purchase receipt as proof of purchase for warranty claims.