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> jasugKEY JASAG-R01+280kg Smart APP Access Control System Kit User Manual

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Model: JASAG-R01+280kg

1. PRODUCT OVERVIEW

The jasugKEY Smart APP Access Control System Kit provides a convenient and secure solution for door access management. This kit integrates multiple unlocking methods including a smartphone application, remote controllers, and an indoor exit button. It features a robust magnetic lock designed for various door types and simplified wiring for ease of installation.

Key Features:

- **Multi-functional Controller:** Combines Wi-Fi module and remote control module.
- **APP Unlocking:** Control your lock remotely via the Tuya Smart APP with internet connectivity.
- **Remote Control Unlocking:** Open the door from up to 30 meters (98 feet) using included remote transmitters.
- **Indoor Exit Button:** Provides a convenient way to exit from inside.
- **Strong Magnetic Lock:** 280KG (617lbs) holding force, constructed from stainless steel.
- **Adjustable Lock Delay Time:** Configurable to 0, 5, or 10 seconds.
- **Simplified Wiring:** Designed for straightforward connection of components.



Figure 1: Overview of the jasugKEY Smart APP Access Control System Kit components.

Support 3 Different Unlock Methods

APP Remote Unlock

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

Transmitter Pairing

When you are upstairs, in the garden, you can open the electric door lock within 30 meters by remote control

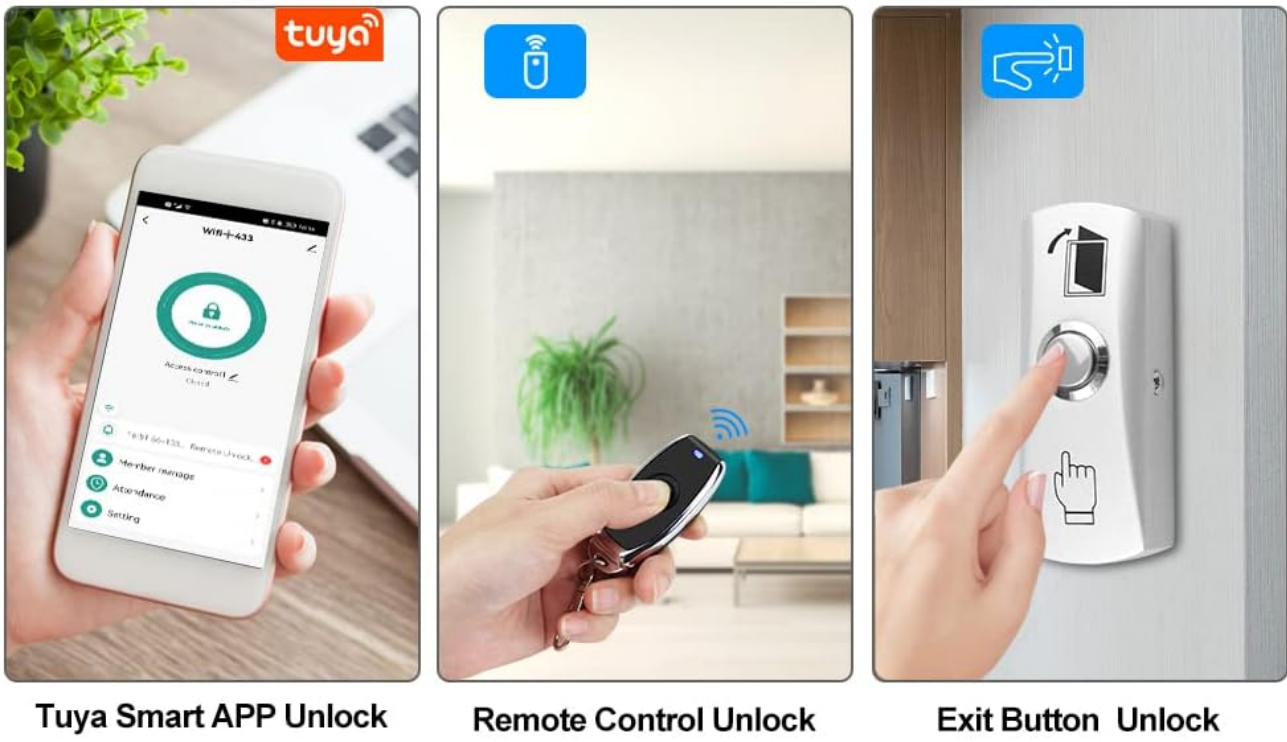


Figure 2: The three primary methods for unlocking the door: via the Tuya Smart APP, remote control, and the indoor exit button.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installation and operation. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Safety:** Ensure the power supply is disconnected before performing any wiring or maintenance. Use only the provided DC 12V power adapter.
- **Installation:** Installation should be performed by qualified personnel or with careful adherence to the wiring diagrams. Avoid installing in areas with excessive moisture or extreme temperatures.
- **Magnetic Lock:** The magnetic lock generates a strong magnetic field. Keep magnetic-sensitive devices away from the lock.
- **Emergency Access:** Always ensure there is an alternative method of exit in case of power failure or system malfunction.
- **Children and Pets:** Keep remote controllers and the system out of reach of children and pets to prevent unintended operation.

3. SETUP

3.1 Component Identification

Before beginning installation, verify all components are present:

- Smart Access Controller
- Buzzer
- 280KG Magnetic Lock
- Indoor Exit Button
- 4 Remote Transmitters
- DC 12V Power Adapter
- Cables and Screws
- User Manual

3.2 Wiring Diagram

Connect the components according to the following diagram. Each accessory has a unique marked port on the controller for simplified wiring. Ensure the lock mode switch on the controller is set to "NC" (Normally Closed) for standard operation.

Wiring diagram:

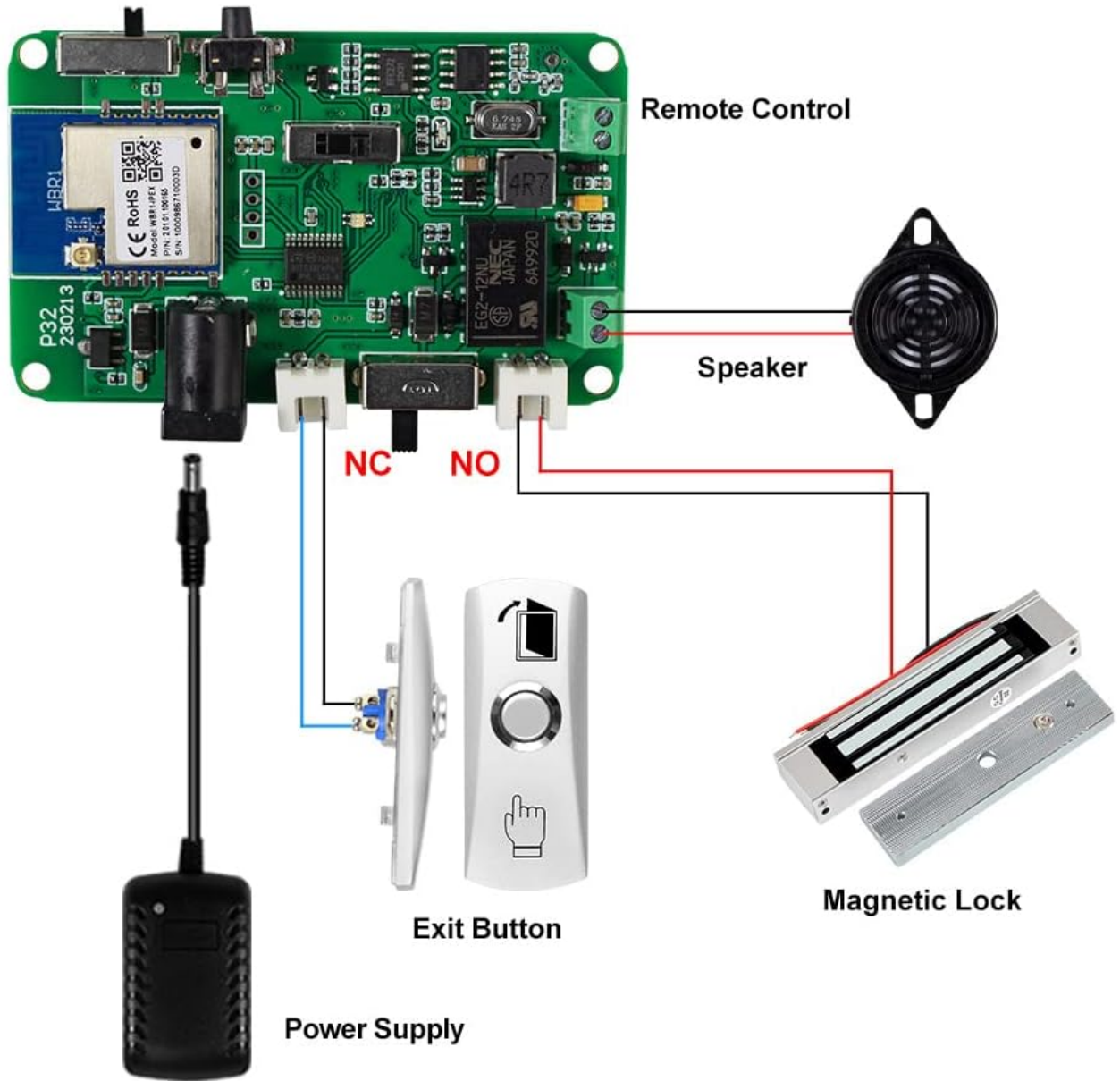


Figure 3: Detailed wiring diagram showing connections between the remote control unit, speaker, magnetic lock, exit button, and power supply.

3.3 Magnetic Lock Installation

The 280KG (617lbs) magnetic lock is suitable for various door types including wooden, metal, fireproof, and glass doors. Ensure proper alignment and secure mounting for optimal performance.

Widely use

Suitable for Wooden Door, Glass Door, Metal Door, Fire Proof Door, etc

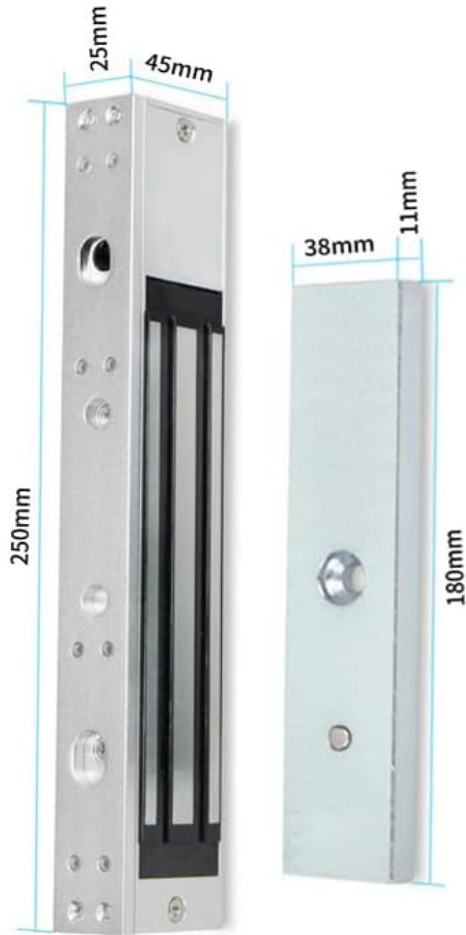


Figure 4: Examples of magnetic lock installation on different door types, including wooden, glass, metal, and fireproof doors.

3.4 Tuya Smart APP Connection

To connect the system to the Tuya Smart APP:

1. Adjust the lock delay time to 10 seconds.
2. Press and hold the RF-Key button on the controller until the LED lights flash red and green. Release the RF-Key; the board is now in pairing mode.
3. Open the Tuya Smart APP on your smartphone.
4. Click "Add Device" and search for nearby devices.
5. Add the detected Wi-Fi device.

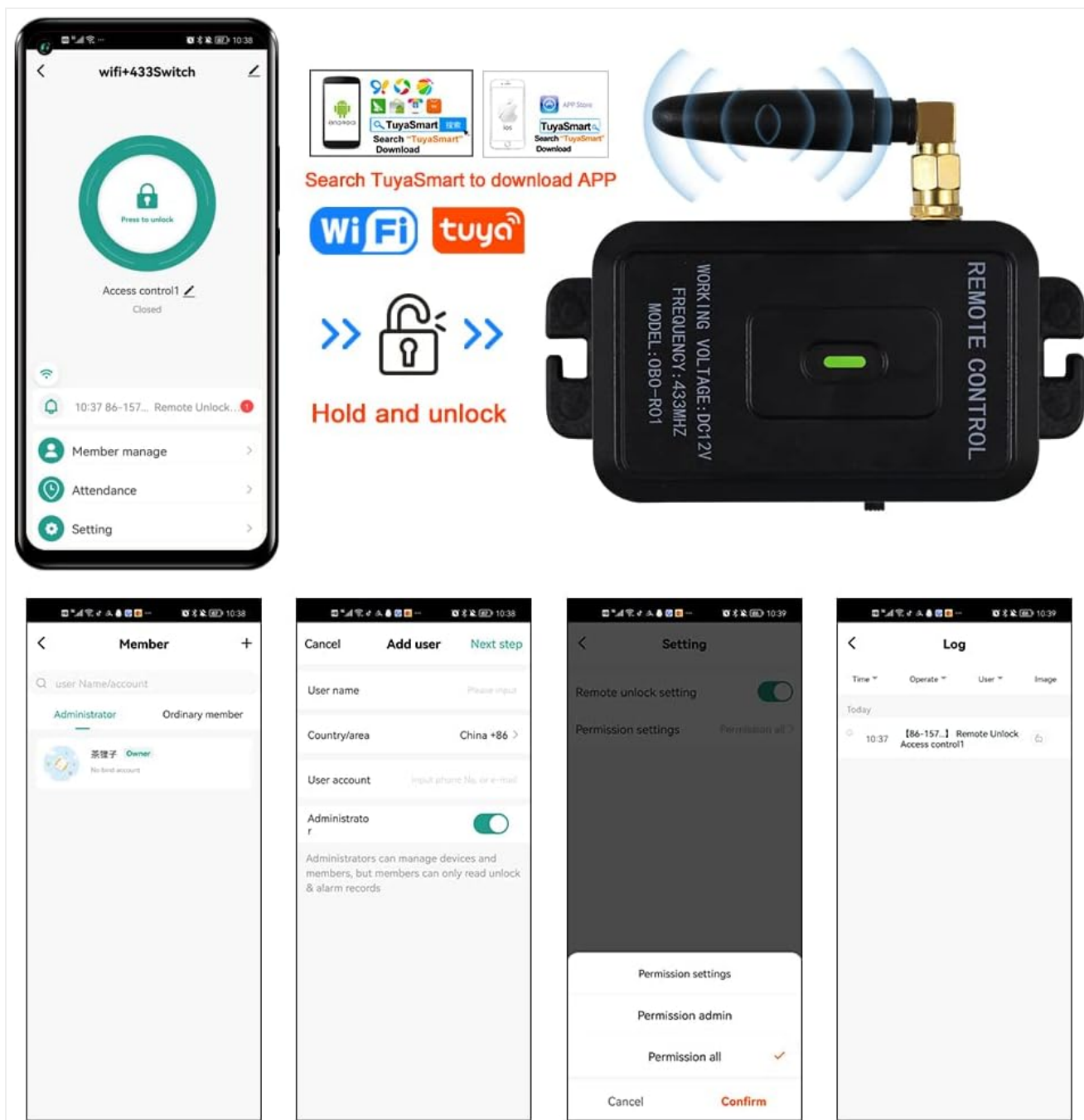


Figure 5: Screenshots of the Tuya Smart APP interface, showing device search, adding a device, and managing permissions.

3.5 Remote Control Pairing

To pair a remote control:

1. Adjust the lock delay time to 0 seconds.
2. Press the RF-Key button on the controller. The green light will flash.
3. Press the remote control button. The red light on the controller will illuminate, indicating successful pairing.

Your browser does not support the video tag.

Video 1: This video demonstrates the wiring process, how to connect the system to the Tuya Smart APP, and how to pair the remote control. It also shows how to adjust the lock delay time and select different operating modes.

4. OPERATING INSTRUCTIONS

4.1 Unlocking Methods

- **Tuya Smart APP:** Open the Tuya Smart APP and tap the unlock icon to release the magnetic lock.

- **Remote Control:** Press the designated button on the remote transmitter to unlock the door.
- **Exit Button:** Press the indoor exit button to temporarily release the magnetic lock for egress.

4.2 Adjusting Lock Delay Time

The lock delay time can be adjusted to 0, 5, or 10 seconds. This setting determines how long the magnetic lock remains disengaged after an unlock command. Refer to the video for detailed instructions on adjusting this setting on the controller.

4.3 Operating Modes

The controller supports different operating modes, which can be selected by adjusting a button on the circuit board:

- **Latched Model (Middle Position):** In this mode, the lock will not automatically re-lock after unlocking. The remote control or Tuya Smart APP cannot re-lock the door directly; manual re-locking is required.
- **Toggle Model (Leftmost Position):** After unlocking, the remote control must be pressed once more to re-lock the door.
- **Momentary Model (Rightmost Position):** This is the default mode. The system will automatically lock after a delay of 5 or 10 seconds (depending on the set delay time) after unlocking.

5. MAINTENANCE

- **Cleaning:** Clean the magnetic lock and other components regularly with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Remote Transmitter Batteries:** The remote transmitters are powered by 2 CR2016/3V batteries. Replace them when the signal strength weakens or the remote stops responding.
- **Cable Inspection:** Periodically check all wiring connections for any signs of wear, damage, or loose connections.
- **Firmware Updates:** Check the Tuya Smart APP for any available firmware updates for the access controller to ensure optimal performance and security.

6. TROUBLESHOOTING

- **System not powering on:** Check the DC 12V power adapter connection and ensure it is plugged into a working power outlet.
- **Magnetic lock not engaging/disengaging:** Verify all wiring connections according to the diagram. Ensure the lock mode switch is set correctly. Check for any obstructions between the magnetic lock and armature plate.
- **Remote control not working:** Ensure the remote is paired correctly (refer to Section 3.5). Check and replace the remote control batteries if necessary.
- **Tuya Smart APP connection issues:** Ensure your smartphone has a stable internet connection and the controller is within Wi-Fi range. Re-attempt the APP pairing process if needed.
- **Buzzer not sounding:** Check the buzzer's wiring connection to the controller.
- **Deleting Remote Controls:** To delete a remote control, adjust the lock delay time to 0 seconds. Press and hold the RF-Key button for 15 seconds until the green light flashes, then release the RF-Key to complete the deletion. The remote will no longer be able to open the door.

7. SPECIFICATIONS

| Component | Parameter | Value |
|-----------|-----------|-------|
|-----------|-----------|-------|

| Component | Parameter | Value |
|-------------------------------------|-------------------------|---|
| Access Controller | Working Voltage | 12VDC |
| | Delay Time | 0/5/10 seconds adjustable |
| | Built-in Buzzer | Yes |
| | Remote Control Distance | 30m / 98 feet |
| | Operation Frequency | 433.29MHz |
| | Using Environment | Indoor |
| | Dimensions | 92x45x25mm / 3.6x1.8x1.0 inch |
| Magnetic Lock (280KG/617lbs) | Holding Force | 280kg / 617lbs |
| | Material | Stainless Steel |
| | Working Voltage | DC12V |
| | Performance Test | 1,000,000 times aging test |
| | Safety Function | Integrated Surge Suppressor |
| | Suitable for | Wooden, Metal, Fireproof, Glass doors, etc. |
| Door Exit Button | Product Size | 80x30x23mm (L/W/H) |
| | Working Voltage | DC12V |
| | Durability Test | 50 tests of aging |
| | Material | Aluminum alloy |
| Remote Transmitter | Working Voltage | 6VDC |
| | Powered by | 2pcs CR2016/3V batteries (Built-in) |
| | Service Life of Battery | 50,000 cycles tested |
| | Transmitting Frequency | 433MHZ |
| | Quantity | 4 pcs |

Door Exit Button

Product specifications:

Product Size: 80X30X23mm(L/W/H)

(suitable most of doors)

Working Voltage: DC12V

Sustained current: 3A 36VDC

Contact Output: NO/COM

Durability Test: 50 tests of aging

Working Temperature: $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$ (14-131F)

Relative Humidity: 0-95%

Material: Aluminum alloy



Remote Transmitter

Product specifications:

Working voltage: 6VDC

Operating Current: 8mA

Power by: 2pcs CR2016/3V batteries (Built-in)

Service Life of the Battery: 50000 cycles tested

Transmitting Frequency: 433MHZ

Buton: 1

Enclosure Material: ABS Plastic

Quantity: 4 pcs.

If you want more transmitters, please contact us. Thank you!



Figure 6: Detailed specifications for the Door Exit Button and Remote Transmitters.

8. WARRANTY

This product comes with a standard manufacturer's warranty. Please refer to the product packaging or contact customer support for specific warranty terms and conditions. Keep your purchase receipt as proof of purchase.

9. SUPPORT

For technical assistance, troubleshooting, or further inquiries, please contact jasugKEY customer support through the retailer's platform or the contact information provided with your product packaging. Online resources, including FAQs and additional video tutorials, may also be available.