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UHPPOTE HBK-RW01

UHPPOTE 2.4Ghz WiFi Remote Control Switch Instruction Manual

Model: HBK-RW01

Product Overview

The UHPPOTE HBK-RW01 is a versatile 2.4Ghz WiFi remote control switch designed for access control systems. It allows for remote operation of connected appliances, such as electric locks, via a smartphone application or an RF remote control. This device integrates advanced technology for stable performance and extended service life.
Key features include:

- Wireless RF remote control for convenient door access.
- Smartphone control via the free Tuya Smart App (iOS and Android).
- High-performance ST 32-bit MCU for stable operation.
- Built-in buzzer for door status notifications (open/locked).
- OMRON power relay with 10A switching capacity for reliable electric lock control.
- Timing function for scheduled on/off operations.
- Ability to share control with multiple users.



Figure 1: UHPPOTE HBK-RW01 WiFi Remote Control Switch kit, including the main control unit, two remote key fobs, and a power adapter.

Product Components

The HBK-RW01 system includes the following main components:

- **Main Control Unit:** The central device for WiFi and RF communication, featuring various ports and indicators.
- **RF Remote Key Fobs:** Two wireless remote controls for direct operation of the connected lock.
- **DC Power Adapter:** Provides 12VDC power to the main control unit.



Figure 2: Rear view of the HBK-RW01 control unit, highlighting the buzzer, mode (M/L/T), and time delay (0/5/10s) switches for function settings.



Figure 3: The compact RF remote key fob, used for wireless control of the access system.



Figure 4: The included 12V DC power adapter, essential for powering the HBK-RW01 control unit.

Specifications

Feature	Detail
Product Dimensions	3.66 x 2 x 1.22 inches
Item Weight	13.1 ounces
Item Model Number	HBK-RW01
Batteries	2 CR2 batteries required (included)
Brand	UHPPOTE
Connectivity Technology	Wi-Fi
Compatible Devices	Access Control Lock
Max Number of Supported Devices	1

Setup and Installation

Proper wiring is essential for the correct operation of the HBK-RW01. Refer to the wiring diagram below for detailed connections.

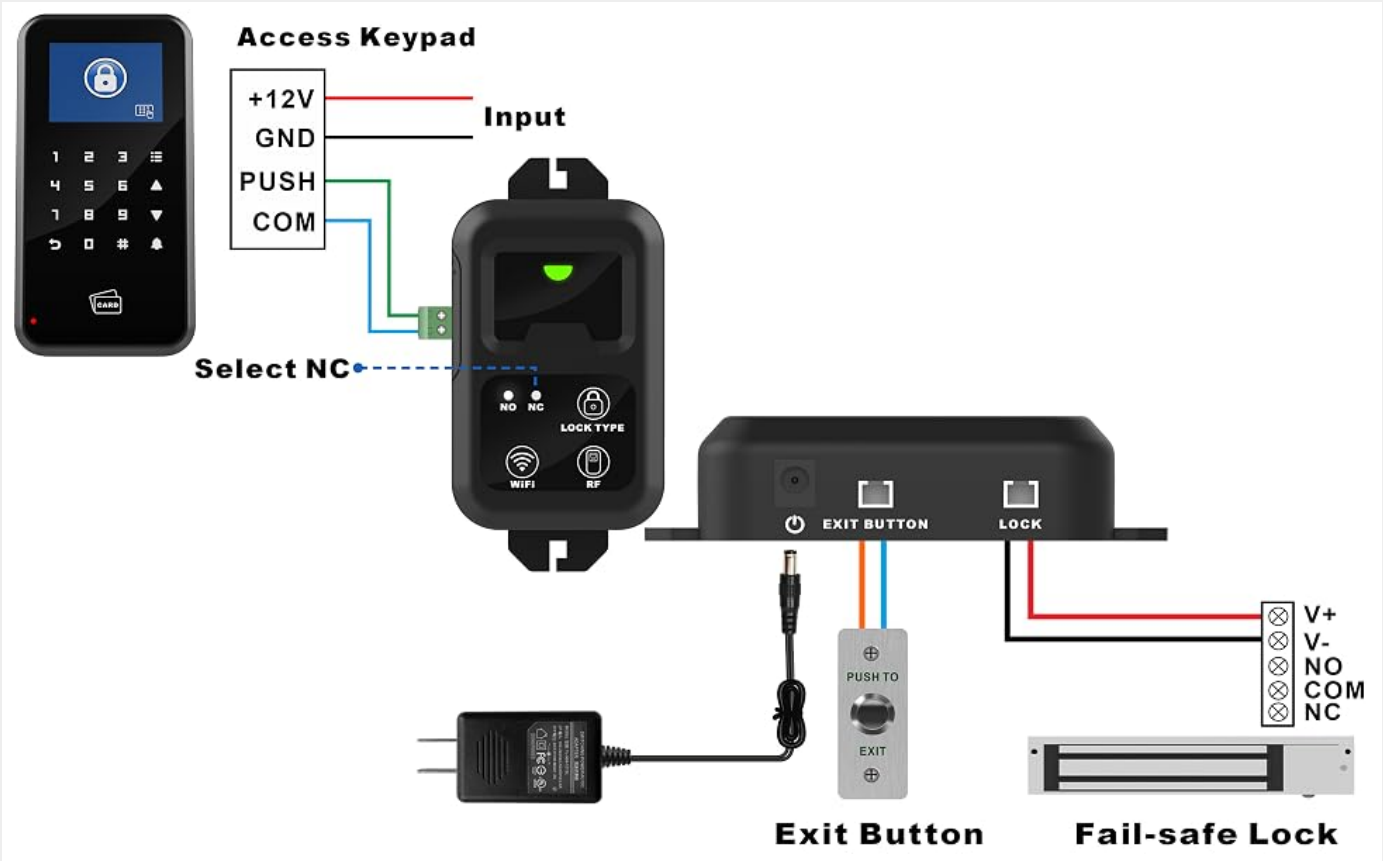


Figure 5: Wiring Demonstration Diagram. This diagram illustrates how to connect the HBK-RW01 to an access keypad, an exit button, and both fail-secure and fail-safe electric locks, along with the power supply.

Connecting with Access Keypad

To integrate with an access keypad:

1. Power up the HBK-RW01 with a 12VDC power supply.
2. Connect the PUSH and COM terminals from your access keypad to the corresponding PUSH and COM ports on the HBK-RW01. Ensure correct polarity.

Connecting with Exit Button

To connect an exit button:

1. Insert the connecting cable into the Exit Button port on the HBK-RW01.
2. Connect the white wire from the cable to the COM terminal on the exit button.
3. Connect the blue wire from the cable to the NO (Normally Open) terminal on the exit button.

Connecting Electric Locks

The HBK-RW01 supports both fail-secure and fail-safe electric locks. Ensure the correct lock type is selected in the device settings (see Operating Instructions).
For both lock types, insert the lock connecting cable into the Lock Port on the HBK-RW01.

- **Fail-Secure Lock:** Connect the red wire from the lock to the +12V of the electric lock. Connect the black wire from the lock to the GND (Ground).
- **Fail-Safe Lock:** Connect the red wire from the lock to the +12V of the electric lock. Connect the black wire from the lock to the GND (Ground).

Finally, insert the power adapter into the power port of the HBK-RW01, and then plug the adapter into a wall outlet.

Operating Instructions

RF Remote Pairing

To pair an RF remote key fob with the HBK-RW01:

1. Ensure the HBK-RW01 is powered on. The indicator light should be green.
2. On the HBK-RW01 unit, tap the RF icon (Remote Pairing). The indicator light will turn red.
3. Within 20 seconds, press any button on the remote key fob you wish to pair. The indicator light on the HBK-RW01 will flash green, indicating successful pairing.

RF Remote Unpairing

To unpair all RF remote key fobs from the HBK-RW01:

- Tap and hold the RF icon (Remote Pairing) on the HBK-RW01 for 8 seconds.
- The indicator light will flash red, then turn green, confirming that all paired transmitters have been cleared.
- **Caution:** This operation will clear ALL previously paired transmitters. Proceed with care.

Lock Type Setting

The HBK-RW01 supports different lock types. To switch between them:

- Tap the Lock Type icon on the HBK-RW01.
- Each tap will cycle through the lock types:
    - **NC (Normally Closed):** For Fail-Safe Locks.
    - **NO (Normally Open):** For Fail-Secure Locks.
- Ensure the selected lock type matches your installed electric lock.

Function Settings (Physical Switches)

The rear of the HBK-RW01 unit features physical switches for additional functions:

- **Buzzer (ON/OFF):** Toggles the built-in buzzer sound. When ON, the buzzer will sound to indicate door open/locked status.
- **Mode (M/L/T):** Sets the operating mode:
    - **M (Momentary):** The lock activates only while the button is pressed.
    - **L (Latched):** The lock toggles between locked and unlocked states with each button press.
    - **T (Toggle):** Similar to latched, toggles state.
- **Time (0/5/10s):** Sets the time delay for the lock activation. This option is only available when "Momentary" mode is selected.
    - **0s:** No delay.
    - **5s:** 5-second delay.
    - **10s:** 10-second delay.

WiFi Pairing (Tuya Smart App)

The HBK-RW01 can be controlled remotely via the Tuya Smart App. Follow these steps to pair the device:

1. Download the "Tuya Smart" app from the App Store (iOS) or Google Play (Android). You can scan the QR code below for direct access.



Scan this QR code to download the Tuya Smart App.

2. Register or log in to your Tuya Smart account.
3. Power the HBK-RW01 with a 12VDC power adapter.
4. Tap and hold the WiFi icon on the HBK-RW01 for 8 seconds to enter pairing mode. The indicator light will flash rapidly.
5. In the Tuya Smart app, tap "Add Device" or the "+" icon. The app should automatically discover the HBK-RW01. If not, select "Add Manually" and choose the appropriate device type (e.g., "Socket (Wi-Fi)").
6. Input your WiFi SSID (network name) and password when prompted. Ensure your phone is connected to a 2.4Ghz WiFi network.
7. Follow the on-screen instructions to complete the pairing process. Once successfully added, you can control the lock from the app.

Your browser does not support the video tag.

Video 1: Official product video demonstrating the features, wiring, and operation of the UHPPOTE HBK-RW01 remote control switch, including remote and app control, and function settings.

TROUBLESHOOTING

- **Device not powering on:**
  Ensure the 12VDC power adapter is correctly connected to the HBK-RW01 and plugged into a working wall outlet. Check the power adapter for any damage.
- **RF Remote not pairing:**
  Make sure you are tapping the RF icon and pressing the remote button within the 20-second pairing window. Ensure the remote's battery is not depleted. If issues persist, try unpairing all remotes first, then re-pair.
- **WiFi pairing issues:**
  Confirm your WiFi network is 2.4Ghz. The device does not support 5Ghz networks. Ensure correct WiFi password entry. Try resetting the HBK-RW01 by unplugging and replugging the power adapter, then re-enter pairing mode.
- **Lock not responding:**
  Verify all wiring connections are secure and correct according to the diagram (Figure 5). Check that the Lock Type setting on the HBK-RW01 matches your electric lock (Fail-Safe/Fail-Secure). Ensure the lock itself is receiving power and is functional.
- **Buzzer not working:**
  Check the "Buzzer" switch on the rear of the unit and ensure it is in the "ON" position.

Maintenance

To ensure the longevity and optimal performance of your UHPPOTE HBK-RW01:

- Keep the device in a dry environment, away from moisture and extreme temperatures.
- Clean the exterior of the unit with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- Regularly check wiring connections for any signs of wear or looseness.
- Replace remote key fob batteries (CR2) as needed to ensure reliable operation.

Warranty and Support

For detailed warranty information and technical support, please refer to the official UHPPOTE website or contact their customer service. A user manual in PDF format is also available for download from the product's Amazon page.
User Manual (PDF): Download Here

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