

UHPPOTE UT-WIFI-500KG-814A

UHPPOTE 2.4GHz WiFi Outswinging Indoor 1200lb Electric Magnetic Door Lock Kit System

Model: UT-WIFI-500KG-814A

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your UHPPOTE 2.4GHz WiFi Outswinging Indoor 1200lb Electric Magnetic Door Lock Kit System. This system offers secure access control with the convenience of remote and smartphone app control, designed for outswinging indoor doors.

Key features include:

- Wireless RF remote control for convenient door unlocking.
- Smartphone app control via Tuya Smart App (requires 2.4GHz Wi-Fi).
- 1200lb holding force electromagnetic lock for robust security.
- Included exit button for easy indoor egress.
- Timing functions for scheduled lock/unlock operations.
- Share control functionality with other users.

2. SAFETY INFORMATION

Please read all safety warnings and instructions carefully before installing and operating this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Ensure power is disconnected before any installation or maintenance.
- This system is designed for **indoor** and **outswinging** doors only.
- Installation should be performed by qualified personnel if you are unsure.
- Use only the provided power adapter.
- Keep all components away from water and excessive humidity.

- Do not attempt to modify or repair the system components yourself. Contact support if issues arise.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1x Electromagnetic Lock (1200lb holding force)
- 1x Armature Plate
- 1x Remote Control Receiver/WiFi Module
- 2x Wireless RF Remote Transmitters
- 1x Exit Button
- 1x Power Adapter (DC 12V)
- Mounting Hardware (screws, anchors, etc.)



Figure 3.1: Complete Kit Contents

This image displays all the components included in the UHPPOTE 2.4GHz WiFi Outswinging Indoor 1200lb Electric Magnetic

Door Lock Kit. Visible items are the main electromagnetic lock unit, its corresponding armature plate, a power adapter, two wireless remote controls, the central WiFi receiver module, and a push-to-exit button.

4. INSTALLATION AND SETUP

4.1 Wiring Diagram

Refer to the following diagram for proper wiring connections. Ensure all connections are secure before applying power.

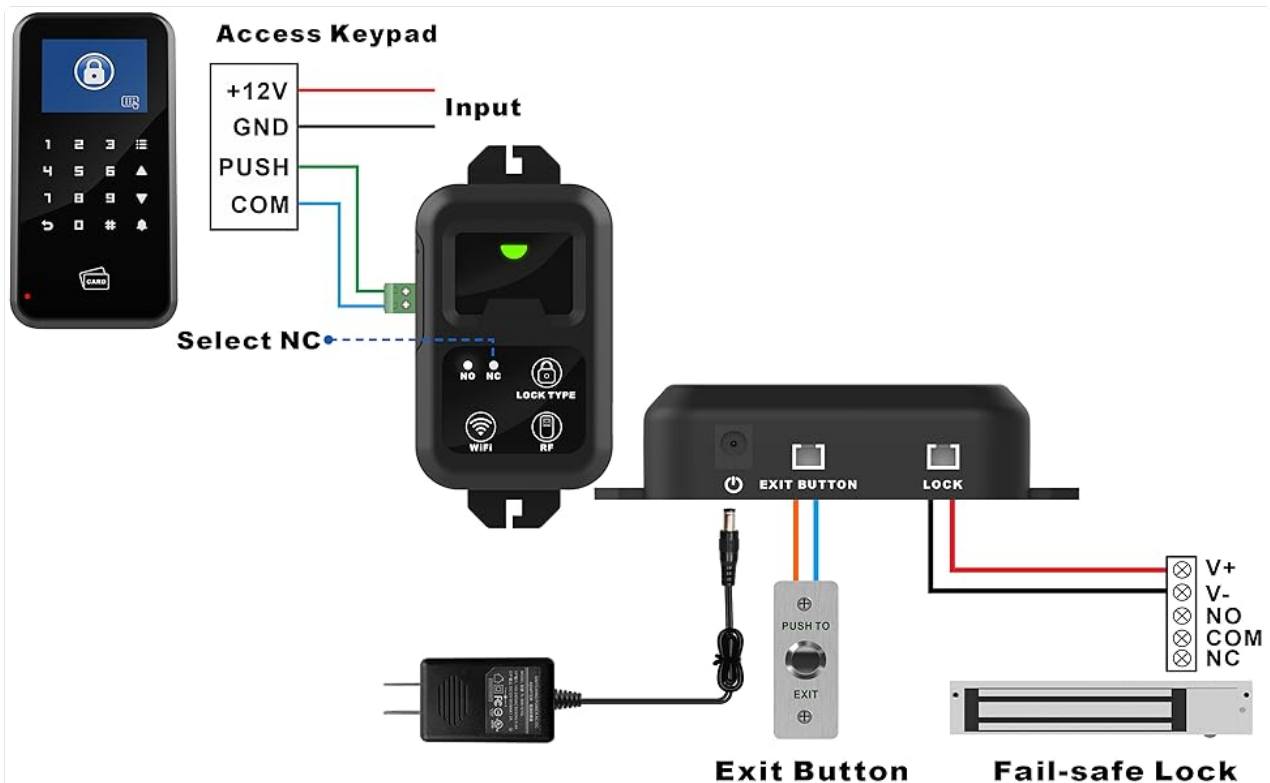


Figure 4.1: System Wiring Diagram

This diagram illustrates the electrical connections for the UHPPOTE magnetic lock system. It shows how the access keypad (optional, not included in this kit), the WiFi receiver module, the exit button, the power adapter, and the fail-safe electromagnetic lock are interconnected. Pay close attention to the NO (Normally Open), NC (Normally Closed), COM (Common), V+ (Positive), and V- (Negative) terminals.

4.2 Electromagnetic Lock Installation

The electromagnetic lock is designed for outswinging doors. It should be mounted on the door frame, and the armature plate on the door itself.

1. Identify the optimal mounting position on the door frame, ensuring proper alignment with the armature plate on the door.
2. Drill pilot holes and secure the electromagnetic lock to the door frame using the provided screws.
3. Mount the armature plate to the door, ensuring it aligns perfectly with the electromagnetic lock when the door is closed. Use a rubber washer if provided, to allow slight pivot for better contact.



Figure 4.2: Electromagnetic Lock and Armature Plate

This image shows the main electromagnetic lock unit and its corresponding armature plate. The lock is a rectangular metal bar with visible magnetic coils, and the armature plate is a flat metal piece designed to attach to the door, creating the magnetic bond when the lock is energized.

4.3 WiFi Receiver Module and Remote Pairing

The WiFi receiver module acts as the central control unit. It communicates with the electromagnetic lock, remote controls, and your smartphone via Wi-Fi.

1. Connect the WiFi receiver module according to the wiring diagram (Figure 4.1).
2. **Pairing Remote Controls:**
 - Press the learning button on the receiver module (refer to the module's specific instructions for exact location, usually a small button).
 - While the indicator light on the receiver is active, press any button on the remote control you wish to pair.
 - The indicator light will flash or change color to confirm successful pairing. Repeat for all remote controls.



Figure 4.3: WiFi Receiver Module

This image shows the compact black WiFi receiver module. It features indicator lights, connection ports for the lock and exit button, and clearly labeled WiFi and RF (remote frequency) icons, indicating its dual control capabilities.



Figure 4.4: Wireless Remote Control

This image depicts a hand pressing the button on one of the wireless remote controls included in the kit. The remote is small, black, and silver, designed for convenient, portable operation of the lock system.

4.4 Smartphone App Setup (Tuya Smart App)

The Tuya Smart App allows for remote control and advanced features.

1. Download the "Tuya Smart" app from the App Store (iOS) or Google Play (Android).
2. Register or log in to your Tuya Smart account.
3. Add a new device:
 - Ensure your phone is connected to a 2.4GHz Wi-Fi network.
 - In the app, tap "+" to add a device.
 - Follow the in-app instructions to put the WiFi receiver module into pairing mode (usually by pressing and holding a button on the module until an indicator light flashes rapidly).
 - Select your Wi-Fi network and enter the password.
 - The app will discover and connect to the device. Once connected, you can rename it.

EASY SETTING

FUNCTION KEYS DESIGNED OUTSIDE



Figure 4.5: Smartphone App Interface

This image shows a smartphone displaying the Tuya Smart app, which is used to control the magnetic door lock. The screen prominently features a large lock icon and an "OFF" button, indicating the current locked status and the option to unlock the door remotely.

5. OPERATING INSTRUCTIONS

5.1 Unlocking the Door

- **Using Wireless RF Remote:** Press the designated unlock button on the remote control. The lock will temporarily unlock, allowing the door to be opened.
- **Using Smartphone App:** Open the Tuya Smart App, select your lock device, and tap the "Unlock" or "OFF" button. The lock will temporarily unlock.
- **Using Exit Button:** From the inside, press the exit button. The lock will temporarily unlock for egress.



Figure 5.1: Exit Button

This image shows the rectangular silver exit button with a prominent black push button in the center. It is clearly labeled "PUSH TO EXIT" at the top and "EXIT" at the bottom, indicating its function for quick and easy egress from the secured area.

5.2 Advanced App Features

- **Timing Function:** Set schedules for automatic lock/unlock operations (e.g., unlock during business hours, lock at night). This includes countdown, scheduled on/off, and loop timing.
- **Share Control:** Grant access to family members or trusted individuals by sharing control of the device through the app.
- **Grouping Function:** Organize multiple smart devices into groups for easier management within the app.
- **Smart Scene:** Create automated scenarios where the lock interacts with other smart devices (e.g., unlock door when motion is detected).

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your magnetic door lock system.

- **Cleaning:** Wipe down the electromagnetic lock and armature plate with a soft, dry cloth periodically to

remove dust and debris. Do not use abrasive cleaners or solvents.

- **Connection Check:** Periodically inspect all wiring connections to ensure they are secure and free from corrosion.
- **Firmware Updates:** Check the Tuya Smart App regularly for any available firmware updates for the WiFi receiver module. Install updates as recommended for improved performance and security.
- **Battery Replacement (Remotes):** If remote control range decreases or functionality becomes intermittent, replace the CR2 batteries (2 required) in the remote transmitters.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lock does not engage/disengage.	No power; loose wiring; faulty component; remote not paired.	Check power adapter connection. Verify all wiring connections. Re-pair remote controls. Contact support if issue persists.
Remote control not working.	Low/dead batteries; out of range; not paired.	Replace CR2 batteries. Move closer to the receiver. Re-pair the remote.
App control not working.	No Wi-Fi connection; incorrect Wi-Fi password; app not updated; device offline.	Ensure 2.4GHz Wi-Fi is active and strong. Verify Wi-Fi password in app. Update Tuya Smart App. Re-add device if necessary.
Magnetic lock holding force is weak.	Misalignment of lock and armature plate; debris on surfaces; insufficient power.	Adjust alignment. Clean contact surfaces. Ensure power adapter is providing stable 12V DC.

8. SPECIFICATIONS

Feature	Detail
Model Number	UT-WIFI-500KG-814A
Brand	UHPPOTE
Lock Type	Electromagnetic Lock
Holding Force	1200lb (approx. 544 kg)
Connectivity	2.4GHz Wi-Fi, RF (Radio Frequency)
Control Method	Smartphone App (Tuya Smart), Wireless Remote Control, Exit Button
Power Source	DC 12V (via included power adapter)
Recommended Use	Outswinging Indoor Doors

Feature	Detail
Item Weight	11.14 pounds (approx. 5.05 kg)
Package Dimensions	11.93 x 9.29 x 3.62 inches

9. WARRANTY AND SUPPORT

For warranty information and technical support, please contact UHPPOTE customer service. Refer to the product packaging or the official UHPPOTE website for the most current contact details.

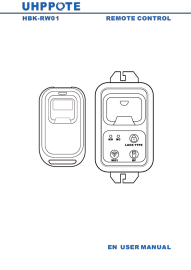


Online resources may include:

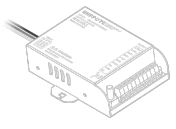


- UHPPOTE Official Website: [Visit the UHPPOTE Store on Amazon](#)
- Product Support Page (if available)
- FAQ Section

Please have your model number (UT-WIFI-500KG-814A) and purchase date ready when contacting support.

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Related Documents - UT-WIFI-500KG-814A

 <p>UHPPOTE HBK-RW01 REMOTE CONTROL</p> <p>EN USER MANUAL</p>	<p>UHPPOTE HBK-RW01 Remote Control User Manual</p> <p>User manual for the UHPPOTE HBK-RW01 Remote Control, detailing features, specifications, wiring diagrams, operating settings, and WiFi pairing instructions using the Tuya Smart app.</p>
 <p>UHPPOTE HBK-V006 WiFi SMART SWITCH</p> <p>EN USER MANUAL</p>	<p>UHPPOTE HBK-V006 WiFi Smart Switch User Manual</p> <p>User manual for the UHPPOTE HBK-V006 WiFi Smart Switch, detailing features, specifications, wiring diagrams, and setup instructions using the eWeLink app.</p>
 <p>UHPPOTE HBK-R01 REMOTE CONTROL</p> <p>EN USER MANUAL ES MANUAL DEL USUARIO</p>	<p>UHPPOTE HBK-R01 Remote Control User Manual</p> <p>This manual provides instructions and specifications for the UHPPOTE HBK-R01 Remote Control system, including features, wiring diagrams, operating settings, and troubleshooting.</p>

<div><div>SWITCHING POWER SUPPLY USER MANUAL</div><div><p>UHPPOTE Model:HBK-P01</p></div></div>	<p>UHPPOTE HBK-P01 Switching Power Supply User Manual</p> <p>User manual for the UHPPOTE HBK-P01 switching power supply, detailing its features, specifications, and wiring diagrams for access control systems. Provides 12VDC output for electric locks and access controllers.</p>
<div><div>UHPPOTE HBK-A02 ACCESS CONTROL KEYPAD</div><div><p>EN USER MANUAL ES MANUAL DEL USUARIO</p></div></div>	<p>UHPPOTE HBK-A02 Access Control Keypad User Manual</p> <p>Comprehensive user manual for the UHPPOTE HBK-A02 Access Control Keypad, detailing installation, specifications, operation, wiring, and troubleshooting. Supports RFID cards and PIN access.</p>
<div><div>UHPPOTE HBK-A01 ACCESS CONTROL KEYPAD</div><div><p>EN USER MANUAL ES MANUAL DEL USUARIO</p></div></div>	<p>UHPPOTE HBK-A01 Access Control Keypad User Manual</p> <p>User manual for the UHPPOTE HBK-A01 Access Control Keypad, detailing installation, specifications, features, operation, and troubleshooting.</p>