

# Operation Instruction

## M-504W Electronic RFID identification tag(WiFi)



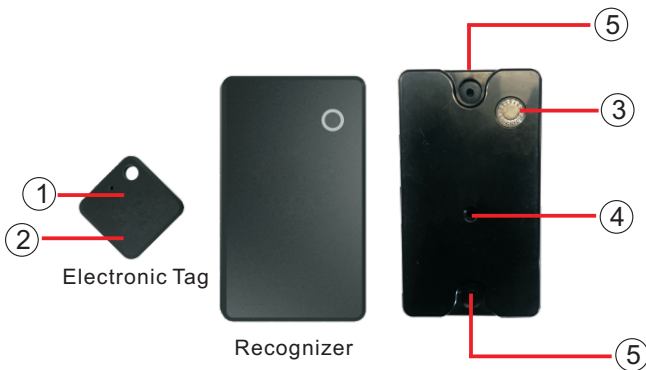
### 1 Safety Instruction

**!** Thanks for your purchasing, please refer to the following carefully before using.

### 2 Product Over-view

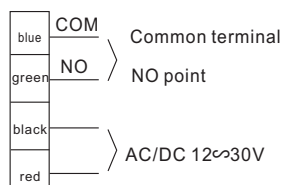
- The tag adopts waterproof design and has a compact appearance.
- Three-gear sensing distance adjustable, more flexible.
- Adopt dual frequency wireless signal control (125KHZ and 2.4GHZ )
- The tag is low-power consumption design, which makes battery life more durable.
- The identifier adopts a wide voltage AC and DC power supply design, which is flexible in power supply.

### 3 Overall Characteristic

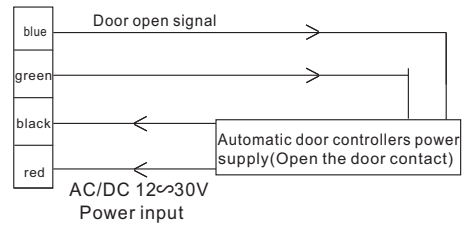


- ① Tag setting key
- ② Tag working indicator
- ③ Recognizer indicator
- ④ Recognizer function setting key
- ⑤ Mounting holes

### 4 Definition of Input and Output



### 5 Wiring Diagram



### 6 Matching Method

1. Matching method for recognizer and tag:

- (1). Once the recognizer is powered on, the red light is on. Press the recognizer function setting key for 1 second and then release, the blue indicator light flashes 3 times, matching successfully. Max 20 tags can be added.
- (2). Delete method: Press recognizer setting key, red light turn to blue and after 5 seconds, the blue light flashing slowly for 10 seconds, then turn to flashing quickly, that is delete successful.

2. Setting tag sensing distance:

- (1). Press and hold the tag setting key, in three seconds it jumps to next gear, and three gears in a loop. When the indicator flashes once, release for setting a short distance (about 1 meter)
- (2). When the indicator light flashes twice, release for setting a medium distance (about 3 meters)
- (3). When the indicator light flash three times, release for setting a long distance (about 5 meters)

### 7 LED Indicator

- (1). Red lights on: standby mode
- (2). Red light flashing: no match tag signal is received.
- (3). Blue light on: received the matching tag signal, (open the door normally) and wait for the matching mode.
- (4). Blue light flashing: enter the delete all tag mode.
- (5). Green light off: working mode, can be operated by APP.
- (6). Green light flash once every 2 second: The device could't connect the router.
- (7). Green light flash twice every 2 second: The device could't connect the server.
- (8). Green light goes on and off for one second: The device is not connected to any account yet.
- (9). Green light flash three times and off for 1 second: in ESP Touch distribution network mode(quick add).
- (10). Green light continuous flash quick: the device is in AP distribution network mode (compatible mode).

### 8 Technical Parameter

Power Supply (Recognizer):	AC/DC12~30V
Standby Current(Recognizer):	125mA
Action Current (Recognizer):	165mA
Output Contact capacity:	1A 24VDC
Receiving Sensitivity :	-95dbm
Power Supply (Tag):	3V(CR2032battery)
Standby Current (Tag):	16uA
Transmission Current (Tag):	10.42mA
Transmission Distance:	3 gears adjustable(1m, 3m, 5m)
Size (Tag) :	46mm(L)X46mm(W)X11mm(H)
Size (Recognizer):	108mm(L)X60mm(W)X17mm(H)

## 8 Iphone setup process(1)



Step 1: Search for "E-WeLink" in the mobile application market and click to get what shown in the picture for installation.



Step 2: Open E-WeLink mobile App, you need to register an e-Link account if you are a new user. In Asia, register with mobile phone number, and use mailbox in other regions.



Step 3: Open E-WeLink mobile APP, log in to your account and you will enter the above page. Click button "+" at the bottom of the screen to add a device.



Step 4: If it's 2.4GHZ router, just click on the shortcut to add, skip to step 6. If it is 2.4G and 5G dual-band router, please click the compatibility mode below.



Step 5: After clicking the compatibility mode, the prompt above appears, long press the function setting button on the recognizer. When the blue light flashes, let go, and after 5 seconds, the green light on the recognizer flashes three times and goes out for one second enter the ESPTOUCH distribution network Mode (Quick Add Mode) Press and hold the recognizer function setting button again for 5 seconds. After the blue light flashes, let go, and after 5 seconds, the green light flashes continuously to enter the AP configuration mode (compatibility mode) and click Next.



Step 6: Enter your WIFI name and password here. If the current mobile phone is connected to the WIFI, the system will automatically fill in the WIFI name connected to the current mobile phone to enter the password. Click Next.

## 8 Iphone setup process(2)



Step 7: Click to connect.



Step 8: Find the Wifi hotspot that starts with ITEAD and choose to connect.



Step 9: Enter the factory default password of hotspot 12345678 and click Join.



Step 10: Connected successfully, return to E-WeLink app.



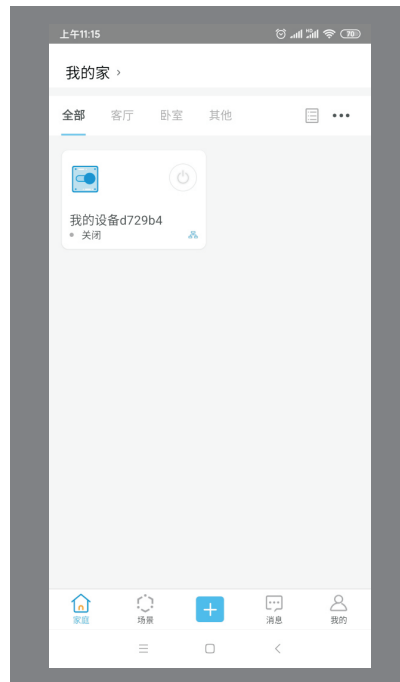
Step 11: Go back here and click next.



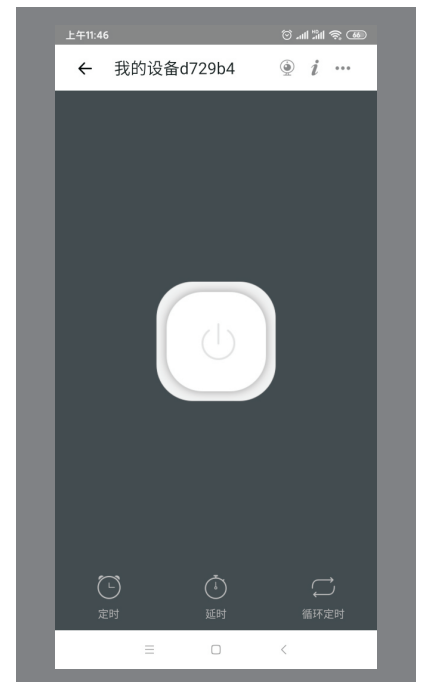
Step 12: Here the system will automatically search the WIFI access control switch, find and automatically register the device. During the period, a security pop-up window may appear, please select "Allow" and "OK".



Step 13 : Here the user can modify the device name to remember and distinguish the installed location. Click to finish adding.



Step 14: After adding, you will see the added device under the My Device List. Click the button icon in front of the device name to directly send the door opening and closing command. You can also click the device name area to enter the large button page.



Step 15: On this page, you can click the middle button to open the door. The panel will display the status of the WIFI access control switch in real time. OFF indicates that the door is currently closed. ON means open door.

## 9 Quick use of Android system setup process (1)



Step 1 : Search for "E-WeLink" in the mobile application market and click to get what shown in the picture for installation.



Step 2: Open E-WeLink mobile App, you need to register an e-Link account if you are a new user. In Asia, register with mobile phone number, and use mailbox in other regions.



Step 3: Open E-WeLink mobile APP, log in to your account and you will enter the above page. Click button "+" at the bottom of the screen to add a device.

## 9 Quick use of Android system setup process (2)



Step 4: Use compatible mode to configure the network. Long press the function setting button on the recognizer. When the blue light flashes, let go, and after 5 seconds, the green light on the recognizer flashes three times and goes off for one second. Enter the ESPTOUCH distribution mode (quick add Mode) Press and hold the recognizer function setting button again for 5 seconds. After the blue light flashes, let go, and after 5 seconds, the green light flashes continuously to enter the AP configuration mode (compatibility mode) and click Next.



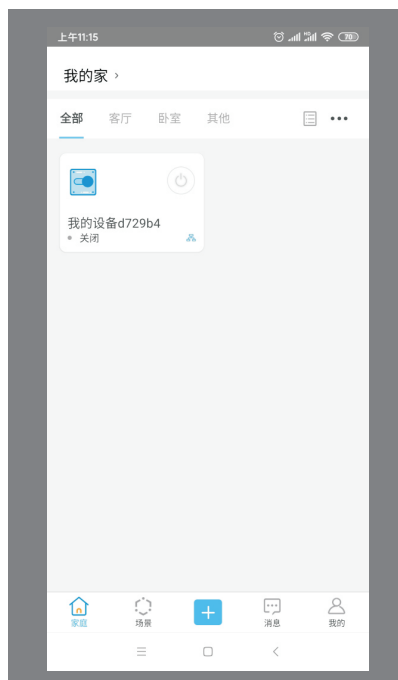
Step 5: Enter your WIFI name and password here. If the current mobile phone is connected to WIFI, the system will automatically fill in the name and password of the WIFI connected to the current mobile phone. Click Next.



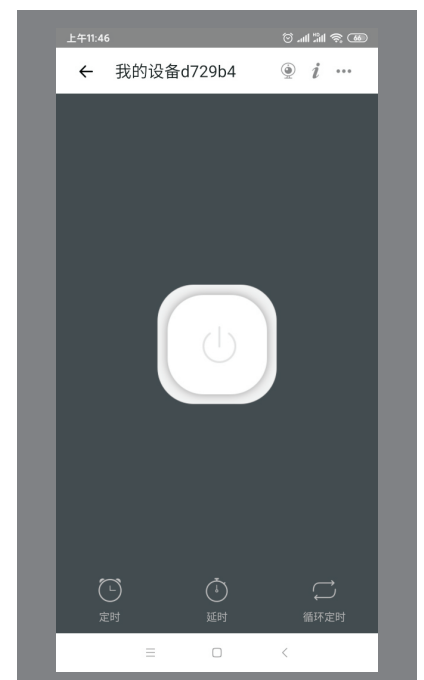
Step 6: Here the system will automatically search the WIFI access control switch, find and automatically register the device. During the period, a security pop-up window may appear, please select "Allow" and "OK".



Step 7: Here the user can modify the device name to remember and distinguish the installed location. Click to finish adding.



Step 8: After adding, you will see the added device under the My Device List. Click the button icon in front of the device name to directly send the door opening and closing command. You can also click the device name area to enter the large button page.



Step 9: On this page, you can click the big middle button to open the door. The panel will display the status of the WIFI access control switch in real time. The background light turns on when the door is open, and the background light turns off when the door is currently closed. Click the three dot symbol in the upper right corner, you can enter the device settings page.

## 10 Users share the setup process



Step 10: Device setting menu.

**Device name:** The current device name can be changed at any time.

**Current version:** Shows the firmware version of the device at that time. It should be updated when there is a new version.

**Share device:** You can share the current device to other users, and you can share it with users who have an account with E-WeLink. It can also be shared with friends via WeChat to open the door.

**Create a group:** Multiple devices can be combined to form a group. After forming a group, you can operate simultaneously through the group icon to open the door at the same time as multiple devices.

**Applet control:** You can go directly to the WeChat applet control page. Or you can also search E-WeLink directly on WeChat Applets.

**LAN control:** LAN control is turned on, when the switch and the mobile phone are in the same LAN, even if there is no network it can also control the switch.

**Operation notification:** When the operation notification is turned on, the device will receive a notification every time the switch state is changed.

**Operation record:** You can view each record of the device.

**Network indicator:** turn on the network indicator: when the device is connected to the network, the indicator is on, otherwise the indicator is off.

**Power-on response:** When the power is turned on again, three state of the switch optional: open, close or restore to the state before power off.

**Jog setting:** the default is hold, turn on the jog switch, and set the jog door opening time (0.5 seconds-1 hour) can be set

**Delete device:** After deleting the device, the device will clear the network settings and return to the factory settings.

**Note:** Because of our permission settings, the first account to add and pair with this smart device is the master account-that is, the owner of this device, before the master account actively deletes the device, other users can operate this device through the sharing function