YET846WFR 智能内置式管状电机控制器使用说明书
YET846WFR Manual For Use OF Intelligent Built-in Tubular Motor Controller
(YET846WFR-AXXXX)
V1.0

1、产品概述 Product Overview

　　YET846WFR(智能内置式管状电机控制器)是以 WIFI 和 RF 433M 为核心的多控制方式的智能控制器，可通过远近程无线遥控的方式，控制窗帘的开、停、关动作；产品具有上下限位检测、工作状态检测、断电记忆等功能；产品具有多种工作模式。

　　本产品主要应用在各类电动卷帘窗、电动卷帘门、电动遮阳卷等应用领域。

　　YET846PC-WIFI(smart built-in tubular motor controller) is a Multi-Control intelligent controller with WIFI and RF 433M as the core. It can control the opening, stopping, and closing of curtains through long-range wireless remote control.; The product has the functions of upper and lower limit detection, working status detection, power outage memory, etc.. The product has a variety of working modes.

　　This product is mainly used in various kinds of electric curtain Windows, electric curtain doors, electric shade rolls and other application fields.

2、产品特点 Product Feature

◆ 支持 WiFi 内网或外网联接：可以作为单品或组网【多产品】控制；

◆ Support WiFi Intranet or Extranet connection: can be used as a single product or group network[multi-product] control;

◆ 支持上电入网技术：入网简单方便；

◆ Support on power access technology: simple and convenient access；

◆ 支持 RF433 无线控制，方便更多的应用场所；

◆ Support RF433 wireless control to facilitate more applications;

◆ 支持上下限位检测和卷闸帘工作状态检测功能：如卷闸帘的上行、下行或停止，让远程操控更安全；

◆ Support for upper and lower limit detection and roll curtain working status detection function: such as up, down or stop of roll curtain, so that remote control is safer；

◆ 支持自锁、点动两种工作模式；

◆ Support for latching and momentary two working modes；

◆ 支持断电记忆功能；

◆ Support power outage memory function;

◆ 支持 RF 遥控器一对多的控制方式,群开群关多台设备【此功能仅对带频道配置功能的 RF 遥控器】；

◆ Supports RF remote control one-to-many control methods, group switch multiple devices(this function only for RF remote control with channel configuration function);

◆ RF 遥控具高保密性，性能稳定、功耗低之安装简便：使用简单、安全可靠。

◆ RF remote control has high confidentiality, stable performance, low power consumption and simple installation: simple to use, safe and reliable.

3、产品规格参数 Product Specification Parameters

输入电压 Input Voltage	AC100V-AC240V
输出电压 Output Voltage	AC100V-AC240V
无线标准 Wireless Standard	IEEE802.11b/g/n
工作频率 Working frequency	2.4G ～2.5G (2400M ～2483.5M)Hz/433.92MHZ
加密类型 Encryption Type	WEP/TKIP/AES
安全机制 Security mechanisms	WPA/WPA2
接收灵敏度 Receipt sensitivity	802.11 b: -91 dbm (11 Mbps) 802.11 g: -75 dbm (54 Mbps) 802.11 n: -72 dbm (MCS7)
静态电流 Static current	<0.015A （@220VAC)
工作电流 Working current	<0.015A （@220VAC，不带电机 No motor)
工作环境 working environment	温度 temperature：-40℃ ～ +80℃ 湿度 humidity：20% ～ 93%
存储环境 Storage environment	温度 temperature：-20℃ ～ +70℃ 湿度 humidity：20% ～ 93%
RF 遥控器编码 Rf remote control code	采用 1527 码的遥控器 With 1527 yards of remote control
可添加遥控数 Number of remote controls	80 个（最大数量）Maximum number
尺寸 Size	L98.0*W27.0*H22.0(mm)

4、产品使用说明 Product Description
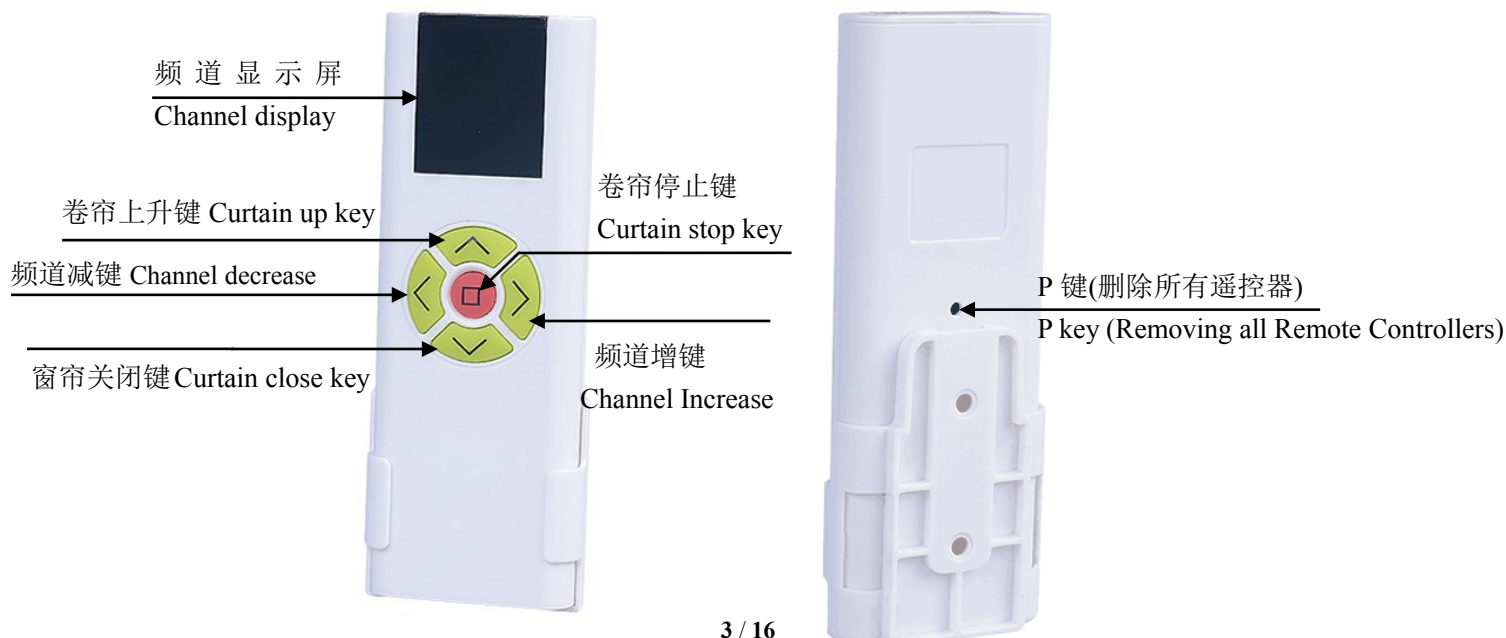
4.1 产品尺寸和连线简易图 Product Size and Wiring Diagram：
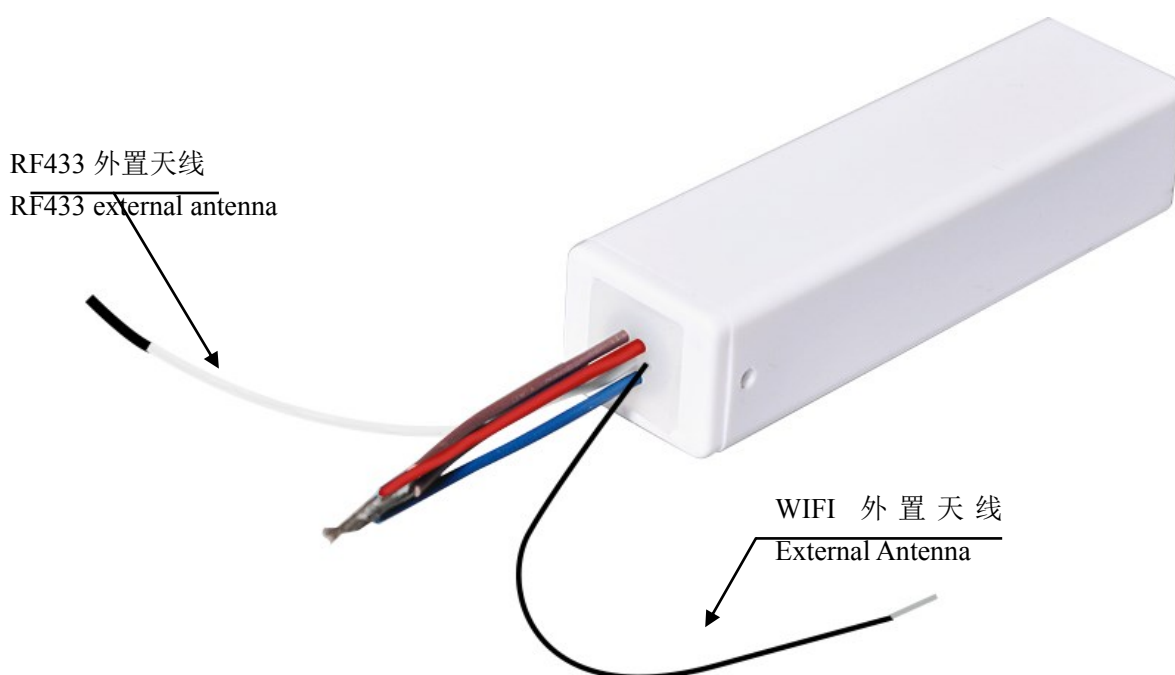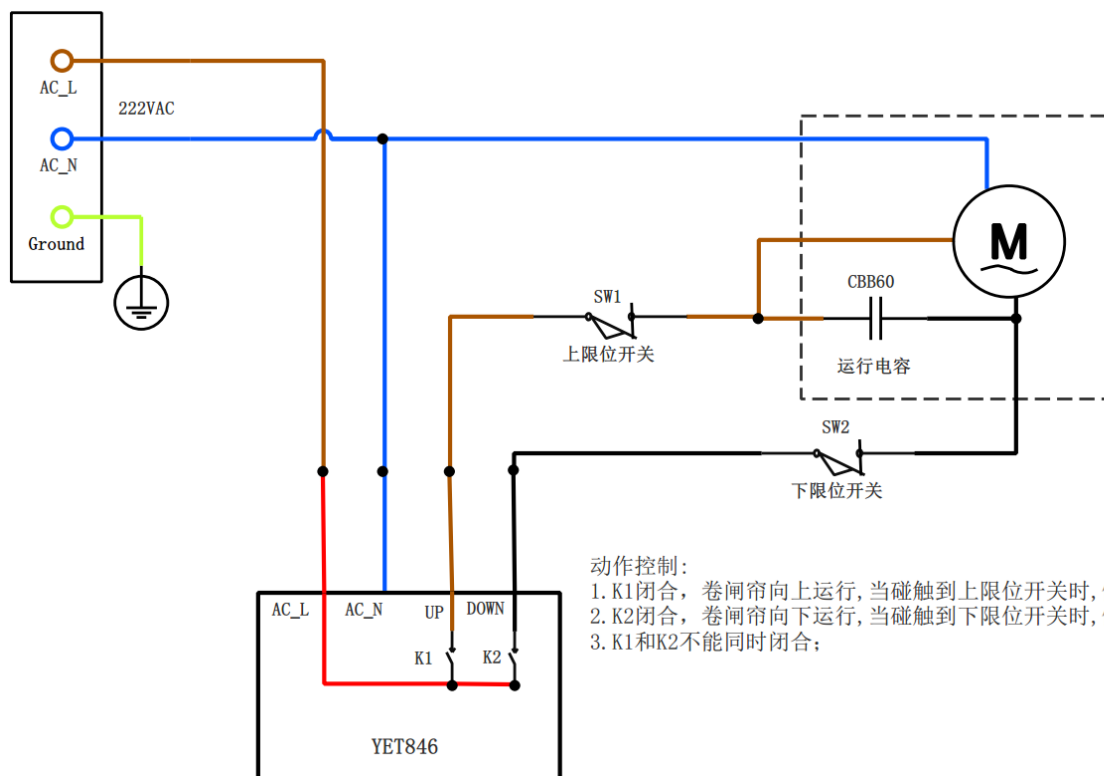
RF433 外置天线
RF433 external antenna

WIFI 外 置 天 线
External Antenna

说明 instructions：

- ✓ 红色线：接交流电源的火线 AC_L   Red Line：Firewire for AC power.AC_L；
- ✓ 蓝色线：接交流电源的零线 AC_N   Blue line: Null line for AC power supplyAC_N；
- ✓ 棕色线：接电机的上行线； Brown Line：Uplink of electrical connection；
- ✓ 黑色线：接电机的下行线； Black Line：Downlink of electrical connection；
- ✓ RF433 外置天线：用于加强 RF433 无线接收信号；
- ✓ RF433 External antenna：Used to enhance RF433 wireless reception signal；
- ✓ WIFI 外置天线：用于加强 WIFI 无线收接信号；
- ✓ WIFI External antenna：Used to enhance Wi-Fi wireless reception signals;

4.2 RF 遥控器操作说明 RF Remote Control Operation Instructions

4.2.1 RF 遥控器介面说明 RF Remote Control Interface Description

频道显示屏 Channel display

卷帘上升键 Curtain up key

卷帘停止键 Curtain stop key

频道减键 Channel decrease

P 键(删除所有遥控器) P key (Removing all Remote Controllers)

窗帘关闭键Curtain close key

频道增键 Channel Increase

说明 Instruction:

- 频道显示屏：可显示数字 01-15 对应 1-15 个频道，字母 PP 表示为公共频道，当遥控器成功学码后，把 RF 遥控器设置在 PP 频道，此时可以实现群开群关的功能（即：所有学码成功设备的全开或全关或停止功能）；
- Channel display： The display number 01-15 corresponds to 1-15 channels. The letter PP is expressed as a public channel. When the remote control successfully learns the code, the RF remote control is set on the PP channel. At this point, the function of group switching can be achieved(ie, the full or complete or stop function of all learning code successful devices);
- 卷帘上升键、卷帘下降键、卷帘停止键：用于实现卷帘的**开/学习功能**、**关/学习功能**和**停/清除当前遥控器**；
- Roll up key, roll down key, roll stop key：Used to open/learning function, close/learning function and stop/Removing current remote controller；
- 频道增键、频道减键：用于选择不同的遥控频道或与其它按键组合使用实现新的功能；
- Channels increase、Channel decrease: Use to select different remote channels or combine with other buttons to achieve new functions；
- P 键：用于删除所有遥控器；
- P key：For removing all remote controllers；
- 上述中"卷帘上升键"、"卷帘下降键"在此说明书中仅作功能上的阐述，不同的应用场合，同一个按键可能会存在不同的命名方式，如："上行键/打开键"、"下行键/关闭键"等，请在实际应用中参考本说明书中对应键的命名方式来理解遥控器的使用。In the above, the "roll up key" and "roll down key" are only described functionally in this manual. In different applications, there may be different naming methods for the same key. For example: "up key / open key", "down key / off key", etc., please refer to the naming method of the corresponding key in this manual to understand the use of the remote control in practical applications.
- 本遥控器作为本产品的管方标配件，如果用户要使用除本遥控器以外其它的遥控器控制本产品时，请在使用前咨讯我司相关售后客服，方便取得技术上的支持。This remote control is the product's standard accessories, if users want to use the remote control other than this remote control to control this product, please use the use of the relevant after-sale customer service to facilitate access to technical support。

4.2.2 RF 遥控器功能说明 RF Remote Control Function Description

- 特别说明 Special note：
  - 以下所有功能操作，必须要事先确认电机处于停止状态，否则有可能会造成产品电路或电机的损坏，从而导至不必要的损失！
  - All of the following functions must be confirmed in advance that the motor is in a stop state, otherwise it may cause damage to the product circuit or motor, resulting in unnecessary losses!
  - 以下所有组合键的操作，由于组合键操作同步时间上的差异会导至操作失效，请多次偿试！
  - For all the following key combinations, due to the difference in the synchronization time of the key combination operation, the operation will be invalidated. Please try again!

> **设置遥控器频道 Set Remote Control Channel**

在用 RF 遥控器添加新设备前，需要为新设备分配一个遥控频道值，可以为 01-15 中的任一个频道值，也可以配置为 PP 频道。具体操作如下：

Before adding a new device with the RF remote control, you need to assign a remote control channel value to the new device, which can be any channel value in 01-15, or it can be configured as a PP channel. The specific operation is as follows:

- 按频道增键，频道从 01 到 15、PP 递增；
- Press channel to increase key, channel from 01 to 15, PP increment；

- ✓ 按频道减键，频道从 15 到 01、PP 递减；
- ✓ Press channel key reduction, channel from 15 to 01, PP decrease；

遥控学习(即对频或学码)Remote Learning(Frequency or Code)：

- ✓ 产品上电对频/学码：产品一上电，蜂鸣器短响 1 次，表示上电成功，并进入学习模式，此时按下遥控器上的'卷帘上升键'或'卷帘下降键'中的任意键，产品上的蜂鸣器短响 2 次，表示学习成功；否则，产品上的蜂鸣器长响 1 次，表示学习失败。

- ✓ On the product's electric frequency / code: Once the product is on, the buzzer is short and rings once, indicating that the electricity is successful and enters the learning mode. At this time, press the 'roll up key' or 'roll down key' on the remote control. The buzzer on the product rang twice, indicating success in learning; Otherwise, the buzzer on the product grows once, indicating failure of learning.

- ✓ 产品正常工作状态对频/学码：产品在正常工作状态下，按下已经对频/学码成功的遥控器上的'频道增键+卷帘停止键'组合键，直至产品上的蜂鸣器短响 3 次后松手，表示进入学习模式；此时按下待学习的遥控器上的'卷帘上升键'或'卷帘下降键'中的任意键，产品上的蜂鸣器短响 2 次，表示学习成功；否则，产品上的蜂鸣器长响 1 次，表示学习失败。

- ✓ Normal working status of the product / frequency code: Under normal working conditions, the product presses the 'channel keystroke + roll curtain stop key' combination key on the remote control that has succeeded in frequency / code until the buzzer on the product is short. After ringing 3 times, let go, Indicates entering the learning mode; At this time, press any key in the 'roll up key' or 'roll down key' on the remote control to be studied. The buzzer on the product rings twice to indicate learning success; Otherwise, the buzzer on the product grows once, indicating failure of learning.

- ✓ 当进入学习状态 10 秒左右后，如果学习不成功，产品上的蜂鸣器长响 1 次，表示学习失败或放弃学习自动退出。

- ✓ When you enter the learning state for about 10 seconds, if you do not succeed in learning, the buzzer on the product will grow once, indicating that you have failed in learning or give up learning and automatically withdraw.

备注 Remarks：

- ◆ 当退出学习模式后，如果要再次学习遥控器，需要重复上述步骤操作。
- ◆ When you exit learning mode, if you want to learn the remote control again, you need to repeat the above steps.
- ◆ 产品上电进入学习模式的方式可以适合首次或多个遥控器学习的情形。
- ◆ The way electricity enters the learning mode on the product can be suitable for the first or more remote control learning situation.
- ◆ 产品正常工作状态下进入学习模式的方式只适合多个遥控器学习的情形，即必须要有一个学习成功的遥控器。
- ◆ The way the product enters the learning mode under normal working conditions is only suitable for multiple remote control learning situations, that is, there must be a learning remote control.

清除单个 RF 遥控器 Clear Single RF Remote Control：

- ✓ 重新给产品上电，同时按下要删除的 RF 遥控器上的卷帘停止键，直到产品上的蜂鸣器连续短响 2 次后松手，表示单个 RF 遥控器删除成功；否则，产品上的蜂鸣器长响 1 次，表示删除失败。

- ✓ Restarting the product and pressing the roll curtain stop button on the RF remote control to be deleted until the buzzer on the product is released twice in a row, indicating that the single RF remote control has been deleted successfully; Otherwise, the buzzer on the product grows once, indicating that the deletion failed。

清除所有 RF 遥控器 Clear All RF Remote Controls：

- ✓ 产品上电待正常工作后，当长按遥控器的背面（底壳）上的 P 键，直至产品上的蜂鸣器连续短响 2 次后松手，表示所有 RF 遥控器删除成功；否则，产品上的蜂鸣器长响 1 次，表示删除失败。

- ✓ After the power on the product is ready to work, when the P key on the back of the remote control(bottom shell) is long pressed, until the buzzer on the product is released after two consecutive short rings, indicating that all RF remote controls have been deleted successfully; Otherwise, the buzzer on the product grows once, indicating that the deletion failed.

➢ **遥控控制开关停 Remote Control, Turn Off**
- ✓ 短按卷帘上升键：执行卷帘上升动作。
- ✓ Short press roll up key: execute roll up action.
- ✓ 短按卷帘下降键：执行卷帘下降动作。
- ✓ Short Press Curtain Down Key: Execute Curtain Down Action.
- ✓ 短按卷帘停止键：卷帘停止运行。
- ✓ Short Press Curtain Stop Key: Curtain Stop Running.

➢ **切换电机方向 Toggle Motor Direction**
- ✓ 重新给产品上电，同时按下 RF 遥控器上的 '频道增键+卷帘停止键' 组合键，直至产品上的蜂鸣器连续短响 2 次后松手，表示换向成功；否则，产品上的蜂鸣器长响 1 次，表示换向失败。
- ✓ Re-electric the product, and press the 'channel increase key + roll curtain stop key' combination key on the RF remote control until the buzzer on the product is released after two consecutive short rings, indicating the success of the switch; Otherwise, the buzzer on the product grows 1 time, indicating that the change has failed.

 备注：换向操作必须在 15 秒内完成，如操作时间超过 15 秒，则退出当前功能设置；需要重新按上述步骤操作。Remarks: The reversing operation must be completed within 15 seconds. If the operating time exceeds 15 seconds, the current function setting is withdrawn. You need to follow the above steps again.

➢ **解锁和锁定 Unlock And Lock**
- ✓ 上锁：产品上电待正常工作后，选好当前配置给产品的频道参数值。同时按下 '频道增键+频道减键' 直到产品上的蜂鸣器连续短响 2 次，即上锁成功，此时遥控器无法再控制卷帘上升或下降；
- ✓ Lock: After the product is on power to work, select the channel parameter value currently configured for the product. At the same time, press the 'channel increase + channel decrease key' until the buzzer on the product rings twice in a row, that is, the lock is successful. At this time, the remote control can no longer control the rise or fall of the curtain；
- ✓ 解锁：选好当前配置给产品的频道参数值，同时按下 '频道增键+频道减键' 直到产品上的蜂鸣器连续短响 2 次，即解锁成功，此时可以正常操控卷帘上升或下降。
- ✓ Unlock: Select the channel parameter value currently configured for the product, and press the 'channel booster + channel subkey' until the buzzer on the product rings twice in a row, which means the unlock is successful. At this time, you can normally control the roll curtain to rise or fall.

➢ **点动模式的设置 Settings For The Point Mode**
- ✓ 产品上电待正常工作后，如果当前工作模式为自锁模式（出厂默认是自锁模式），如需设置其为点动模式，长按学习过的遥控器 '频道减键+卷帘停止键' 组合键 5 秒以上，当控制器上的蜂鸣器短响 2 次后，表示点动模式设置成功；否则，产品上的蜂鸣器长响 1 次，表示设置失败。
- ✓ After the product is ready to work, if the current working mode is self-locking mode(factory default is self-locking mode), if you want to set it to point mode, press the learned remote control 'channel minus key + roll curtain stop key' key combination key 5 seconds or more, When the buzzer on the controller rings twice, the click mode setting is successful; Otherwise, the buzzer on the product grows once, indicating that the setting fails.

➢ **自锁模式的设置 Settings For Latching Mode**
- ✓ 产品上电正常工作后，如果当前工作模式为点动模式，如需设置其为自锁模式，长按学习过的遥控器 '频道减键+卷帘停止键' 组合键 5 秒以上，当控制器上的蜂鸣器短响 2 次后，表示自锁模式设置成功；否则，产品上的蜂鸣器长响 1 次，表示设置失败。
- ✓ After the power on the product is ready to work normally, if the current working mode is point mode, if you need to set it to self-lock mode, press the learned remote control 'channel subkey + roll curtain stop key' combined key for more than 5 seconds. After the buzzer on the controller is short twice, Indicates that the self-locking mode setting was successful; Otherwise, the buzzer on the product grows once, indicating that the setting fails.

➢ **多台设备同时控制 Multiple Devices Controlled Simultaneously**

✓ 首先用同一个 RF 遥控器给所有要受控的设备成功分配不同频道（01~15）；

✓ First, successfully allocate different channels(01 ~ 15) to all devices to be controlled using the same RF remote control；

✓ 把上述 RF 遥控器的频道值设定在 PP 频道；此时可以操控所有要受控设备的开、关、停等功能。

✓ Set the channel value of the RF remote control above on the PP channel; At this point, you can control the opening, closing, stopping, and other functions of all devices to be controlled。

4.3 远程控制 Remote Control

4.3.1 APP 软件下载和安装 APP Software Download And Installation：

➢ Android 系统 Android System：

◆ 国内用户：用户可以通过 "应用商店_360 手机助手"平台搜索关键词："遥尔泰"、"Safemate"，下载最新版本的"safemate.apk"软件，按提示完成 APP 软件的安装；

◆ Domestic users: Users can use the "Application Store _ 360 Mobile Assistant" platform to search for keywords: "Yaoertai" and "Safe", download the latest version of the "safemate.apk" software, and complete the installation of the APP software as prompted. ;

◆ 国外用户：用户可以通过"Google Play"平台搜索关键词："遥尔泰"、"Safemate"，下载最新版本的"safemate.apk"软件，按提示完成 APP 软件的安装；

◆ Foreign users: Users can use the "Google Play" platform to search for keywords: "Yaoertai" and "Safe", download the latest version of "safeme.apk" software, and complete the installation of APP software as prompted.

➢ iOS 系统：国内外用户可以通过"App Store"平台搜索关键词："遥尔泰"，"Safemate"，下载最新版本的"Safemate"软件,按提示完成 APP 软件的安装。

➢ iOS system: Users at home and abroad can use the "App Store" platform to search for keywords: "Yaoertai", "Safe", download the latest version of "Safe" software, and complete the installation of APP software as prompted.

➢ 用户也可通过扫描下方的二维码进行下载安装：

➢ Users can also download and install the code by scanning the QR code below：

Android（中国用户 Chinese users）   Android(其他国家地区用户 Foreign users)   IOS 用户 users

4.3.2 APP 用户注册和登录 APP User Registration and Login

➢ **账号注册：Account Registration**：

✓ 点击登录页面的注册按键，进入到注册页面。

✓ Click the registration button on the login page to enter the registration page。
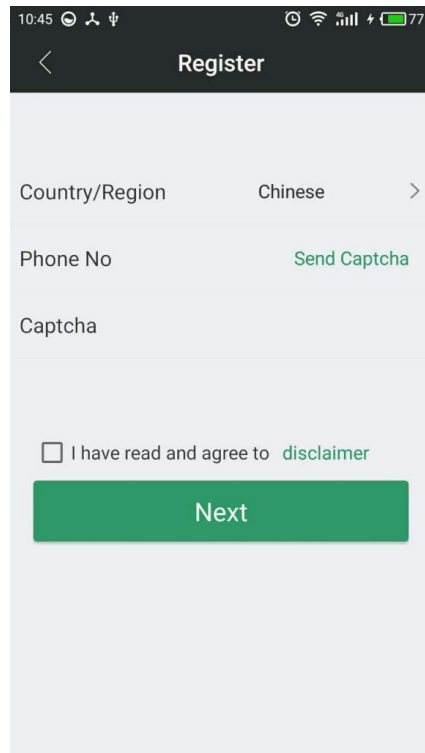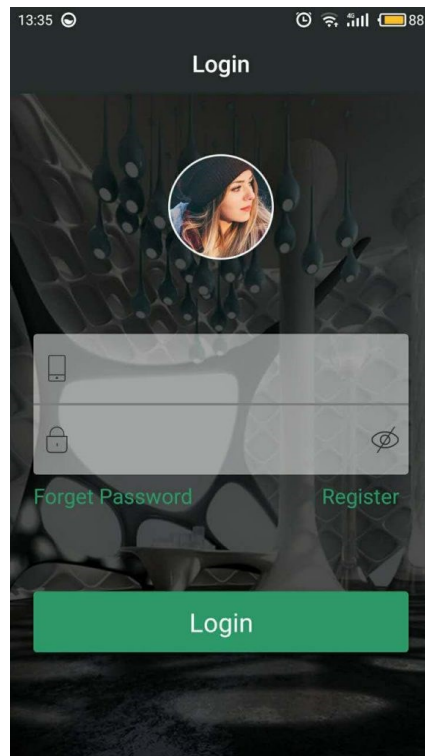
- ✓ 请您点击国家/地区进入到国家/地区页面，选择您所在的国家或地区；返回到注册页面，输入您正确的手机号，点击发送验证码；在验证码栏输入您手机收到的验证码；在点击下一步前，您需要先阅读产品免责声明，并勾选我已阅读并同意免责声明；验证码校验通过之后，点击下一步，进入到用户信息配置页面。

- ✓ Please click on the country/region to enter the country/region page and select your country or region; Return to the registration page, type your correct mobile phone number, and click to send the verification code; Enter the verification code you received on your phone in the verification field; Before clicking on the next step, you need to read the product disclaimer and check that I have read and agreed to the disclaimer; After the validator check has passed, click next to enter the user information configuration page.
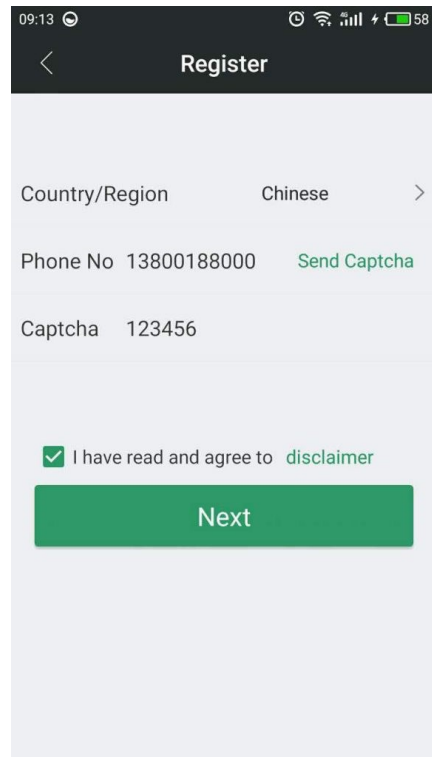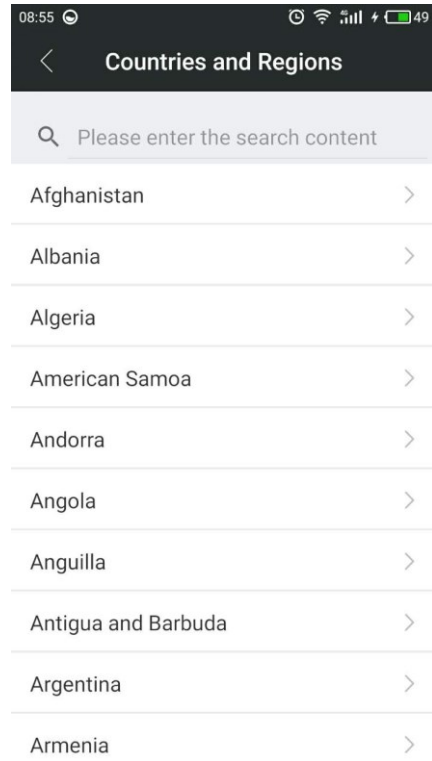
✓ 在用户信息配置页面，填入您的邮箱地址、登录密码，并再次填入登录密码；确认所有信息无误后，请点击完成按键，系统会提示您已注册成功；点击确定，系统自动返回到登录页面，此时，您可以使用您的帐号密码登录本软件系统。

✓ In the user information configuration page, fill in your mailbox address, login password, and fill in the login password again; After confirming that all the information is correct, click the Finish button and the system will remind you that you have registered successfully; Click OK, the system automatically returns to the login page, you can use your account password to log on to this software system。
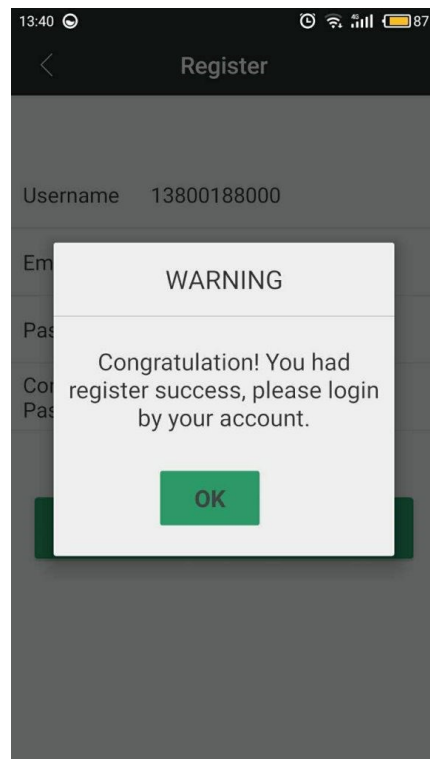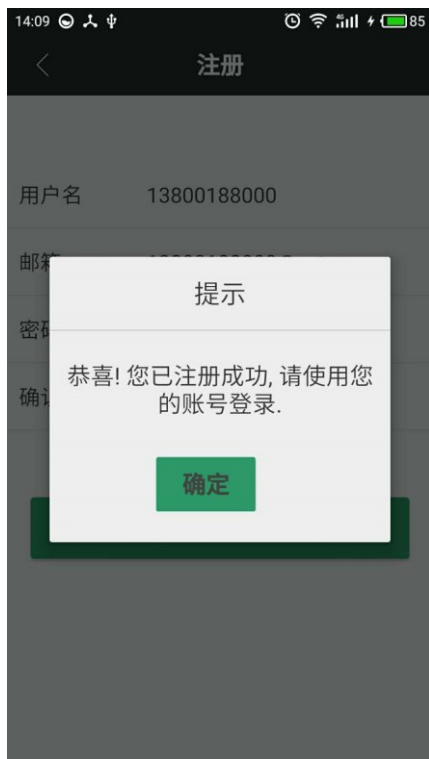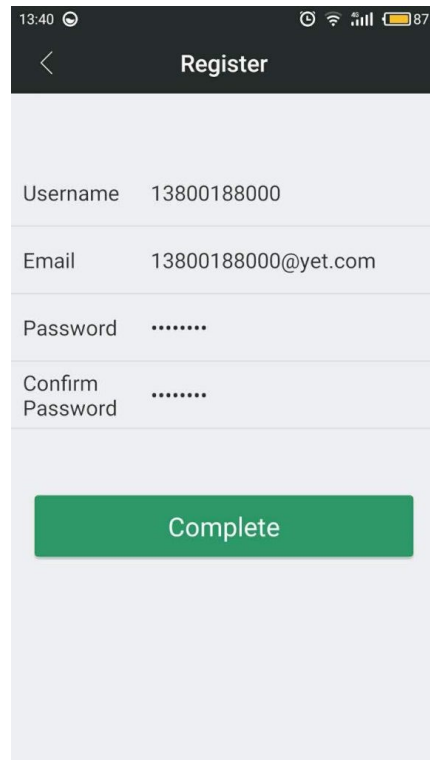
> **帐号登录 Account Login：**

✓ 您必须先使用您的帐号完成登录后，才能管理和操作您的设备；登录方式分为手机和邮箱两种方式，输入正确的账号与密码，点击登录，成功登录并进入到系统主页页面。

✓ You must use your account to log in before you can manage and operate your device; The login method is divided into two ways: mobile phone and mailbox. Enter the correct account number and password, click on login, and successfully log in to the home page of the system.
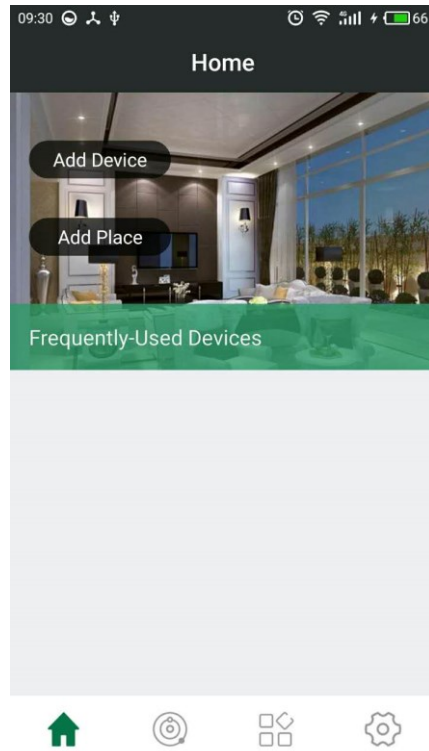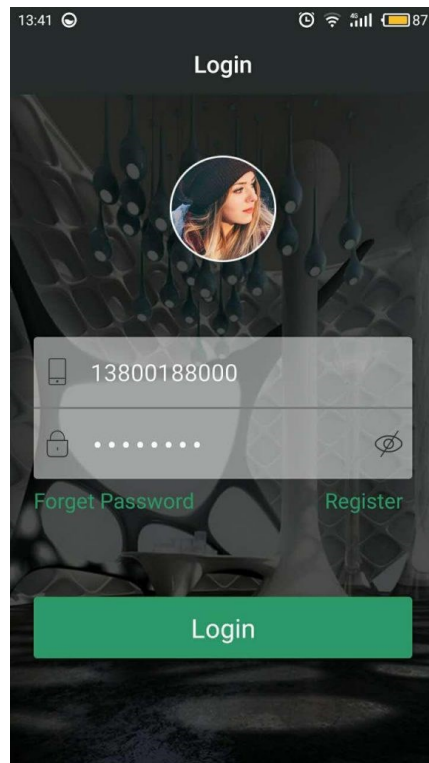
4.3.3 APP 用户操作手册 APP User Operation Manul

　　运行 APP 软件,进入个人中心页面；点击用户手册，进入到用户手册页面，在此页面您可以选择您想要了解的操作内容；

Run APP software, enter the personal center page; Click on the user's manual and go to the user's manual page, where you can choose what you want to know;

✓　帐号管理：将会向您介绍"新帐号注册、帐号登录、密码管理、邮箱配置"等内容；

✓　Account management：Will introduce you to "new account registration, account login, password management, Mailbox configuration" and other content;

✓　设备管理：将会向您介绍"添加新设备、设备归类、设备列表信息"等内容；

✓ Device management：You will be introduced to "Add new devices, device classification, device list information" and other content;

✓ 位置管理：将会向您介绍"添加新位置、编辑位置、设备位置变更或删除"等内容；

✓ Location management：Add new location, edit location, device location change or delete, etc..；

✓ 设备控制：将会向您介绍"设备具体操作的应用"等内容；

✓ Device control：Will introduce you to "device specific operation application" and so on.；

✓ 注意事项：将会向您介绍设备使用需要注意的地方；

✓ Caution: You will be introduced to the need to pay attention to the use of the device
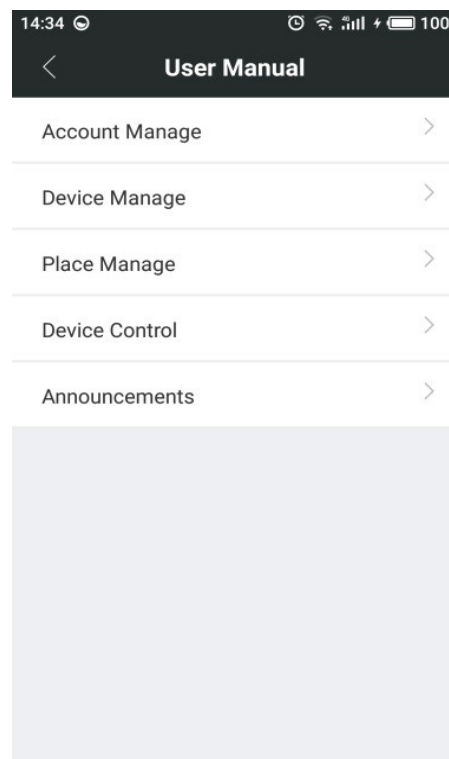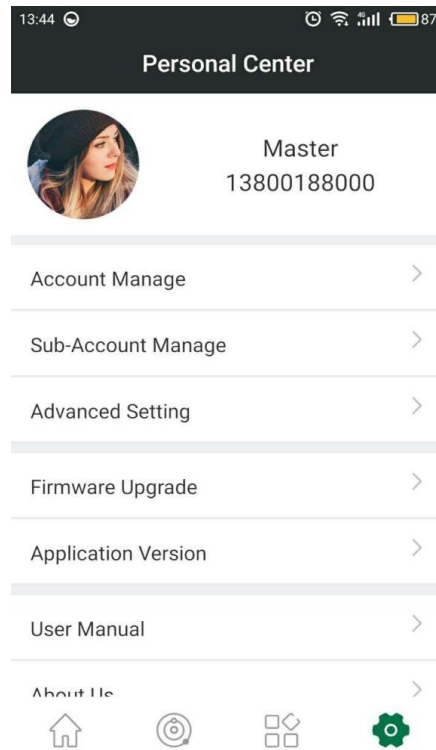
4.3.4 产品操控 Product Manipulation

➢ **一键入网 One Button Into The Net:**

✓ 您必须先使用您的帐号完成登录后，才能添加您的新设备：

✓ You must log in with your account before adding your new device:

✓ 点击添加设备,进入到选择添加设备方式,在此页面依据新设备的无线通讯方式选择添加设备的方式.

✓ Click Add Device, go to Select Add Device Mode, Select Add Device Mode Based on Wireless Communication Mode of New Device on this page.
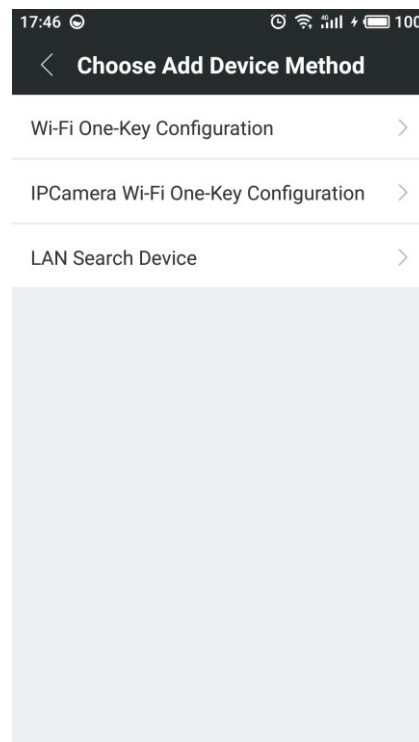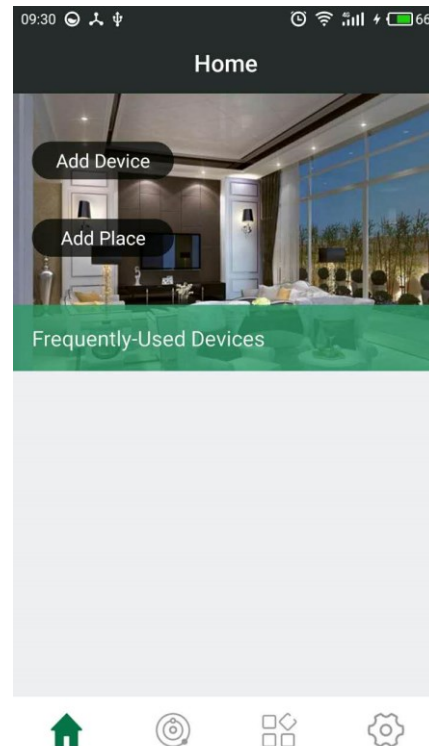
✓ 进入到一键配置页面,输入当前无线网络的 WIFI 密码,点击确定进入入网模式;同时连续短按新设备上的入网按键三次,此时设备上的指示灯持续快闪表示设备进入入网模式;新设备在入网过程中,可能需要您等待几秒或更长的时间(这主要视当前无线 WIFI 网络环境来参考).当入网成功后,设备上的指示灯变为慢闪,APP 终端显示添加设备成功.点击完成按钮,恭喜您,您现在可以正常操作新添加的设备了.

✓ Enter the WIFI password of the current wireless network and click OK to enter the access mode. At the same time, the key on the new device is pressed three times in a row. At this time, the indicator light on the device continues to flash to indicate that the device enters the network mode; The new device may take you a few seconds or more to access(depending on the current wireless Wi-Fi environment). After successful access to the network, the indicator on the device becomes slow flash, APP terminal display adds device successfully.
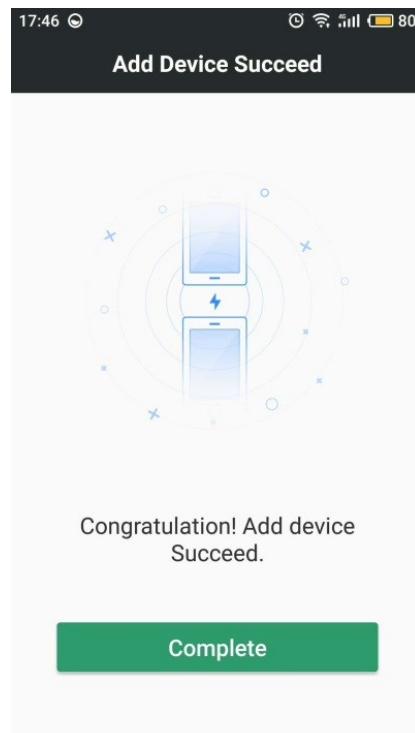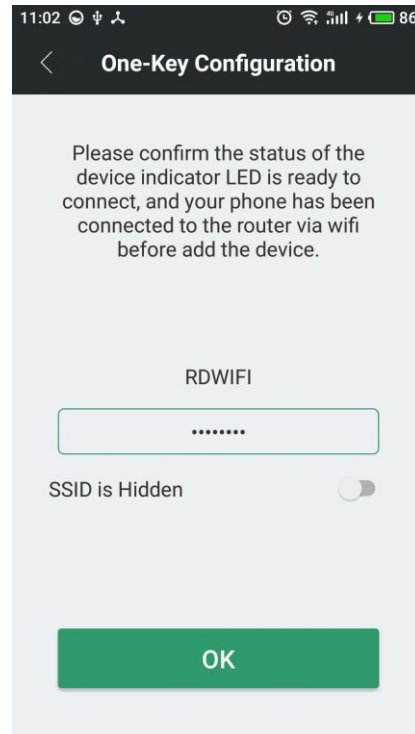
> **产品主控页面 Product Master Page:**

✓ 当您成功添加新设备后，点击所添加的新设备，将进入到本产品以下主控页面；此时，您可以尽情享受本智能产品带给您的乐趣和便捷。

✓ When you successfully add a new device, click on the added new device to enter the following master page of this product; At this point, you can enjoy the pleasure and convenience of this smart product.
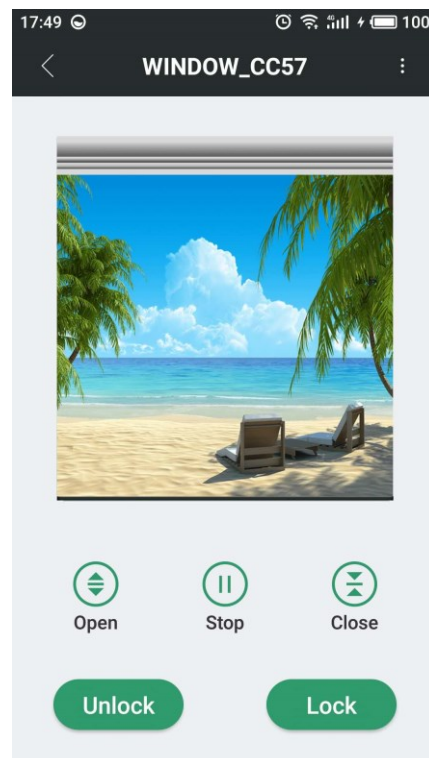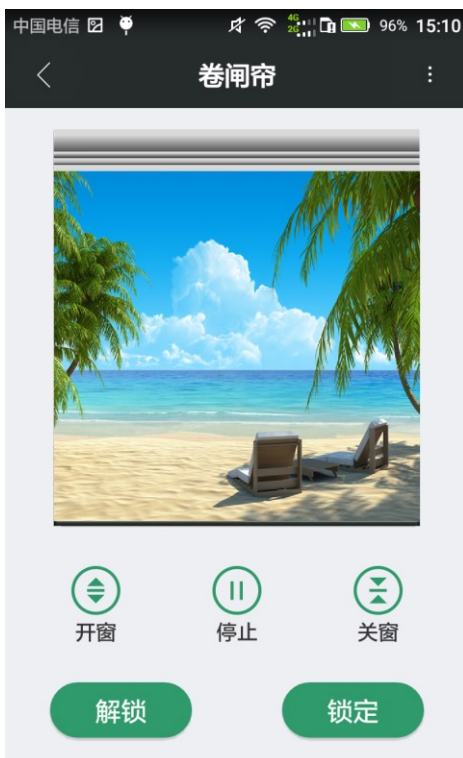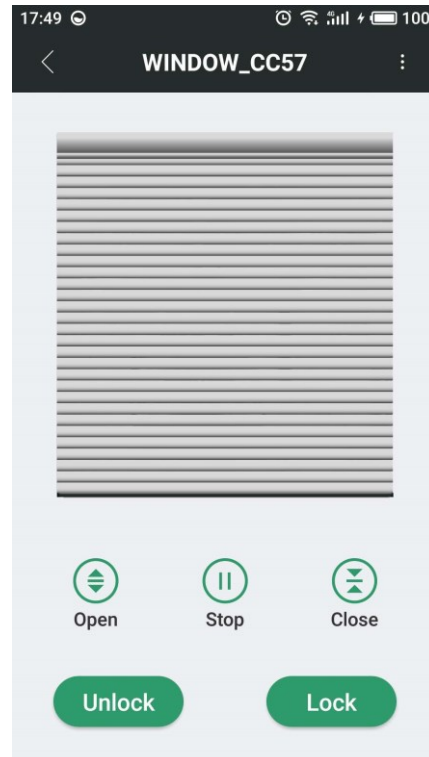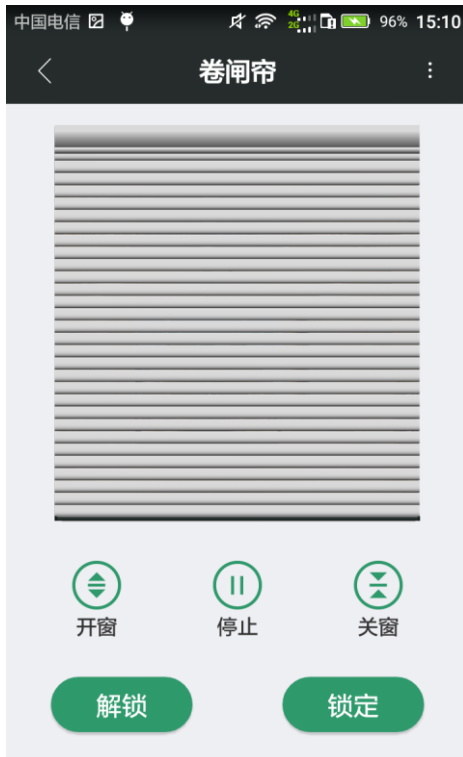
5、常见问题解答 Frequently Asked Questions

问题 1： 添加设备失败，产品信号指示灯一直慢闪？

Question 1: Failed to add device and slow flashing of product signal indicator ?

答：a、确保手机能否正常通过 WIFI 连接外网，设备、手机在同一 WIFI 路由；

Answer: a, ensure that the mobile phone can be properly connected to the outer network through Wi-Fi, devices, mobile phones in the same Wi-Fi route;

b、信号指示灯慢闪表示正在连接路由器，连接时间超过 60S 时，即连接失败。出现这种情况可能是"WIFI 密码输入错误"或者在"传输过程中数据错误"；用户需检查手机或 WIFI 路由器网络状态，以及确定路由器 WIFI 未做连接限制，再尝试重新配置一次。

b, signal indicator slow flash indicates that the router is connected, the connection time exceeds 60S, the connection failed. This situation may be "Wi-Fi password input error" or "data error during transmission"; Users need to check the status of the mobile phone or Wi-Fi router network, and make sure that the router Wi-Fi has no connection restrictions and try to reconfigure it again.

问题 2： 设备突然不能控制 Question 2: Suddenly the equipment is out of control

答：a、检查路由器 WIFI 密码是否有更改，查看设备信号指示灯状态，如果是慢闪说明与路由器断开了连接，重新配置上即可；

a, check whether the router Wi-Fi password has changed, see the device signal indicator status, if it is a slow flash description and the router disconnected, reconfigure on;

b、路由器分配给设备的 IP 地址因网络原因导致 IP 地址改变，导致设备实际 IP 与 APP 保存的设备 IP 不一致，此时退出 APP 再重启，重新获取设备信息即可。

b, the IP address assigned to the device by the router causes the IP address to change due to network reasons, resulting in the device's actual IP and the device IP saved by APP are inconsistent. At this time, exit the APP and restart, and regain the device information.