

Eseeker Operation Manual

Version: 2.0.1

applicable to: XuanDong Controller (AW-210)

2024-03

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Chapter 1 Overview

Eseeker is an APP application based on Bluetooth control and used for intelligent wireless LED lighting control. Under the premise of enabling Bluetooth on the mobile phone, within a certain distance range, the phone can connect to the controller with a built-in Bluetooth module to achieve wireless communication control of the controller, which is easy to operate.

Main functions:

➤ Control Panel:

- 1、 Free switching between SD card program modes;
- 2、 Quick one-touch black screen control;
- 3、 Multiple built-in improvisational effects available for use.

➤ Password Restrictions:

Supporting Password Authentication for Device Addition and Usage Restrictions to Prevent Malicious Tampering by Others

➤ Intelligent Dimming:

Through real-time dimming via an RGB color wheel, the brightness can be adjusted to achieve a more delicate and nuanced lighting color.

➤ Basic Settings:

Allows for convenient and quick adjustment of functions such as brightness, speed, and sound sensitivity.

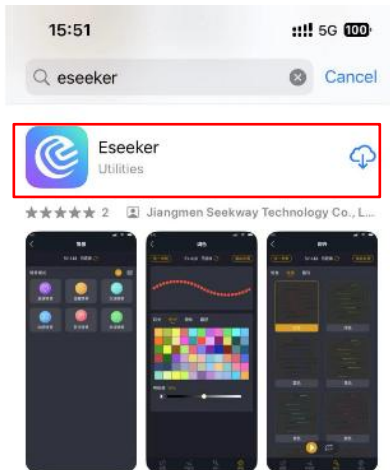
➤ Control Hub:

Multiple devices can be controlled through Control Hub.

Chapter 2 Usage Introduction

1.1. Download the APP

- For IOS system: Open the App Store, type in "Eseeker" (ensure it's in English), locate the relevant APP, and click "Get" to proceed with the download and installation.



- Android System:

Method One: Open the app store software, enter "Eseeker ", find the current app, and click "Get" to download and install.

Method Two: Download the apk file from the seekway official website for installation.

- HarmonyOS:

Method One: Open the app store software, enter "Eseeker ", find the current app, and click "Get" to download and install.

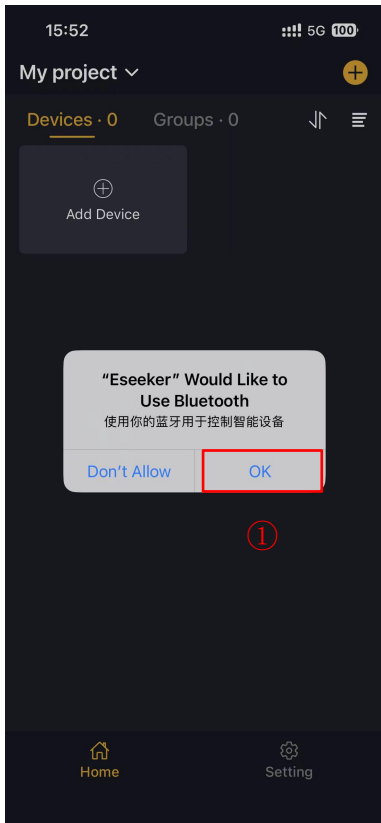
Method Two: Download the apk file from the seekway official website for installation.

1.2. Authorize and turn on Bluetooth

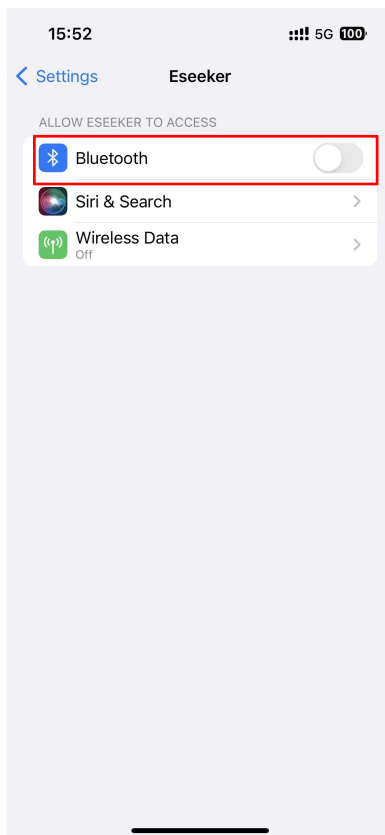
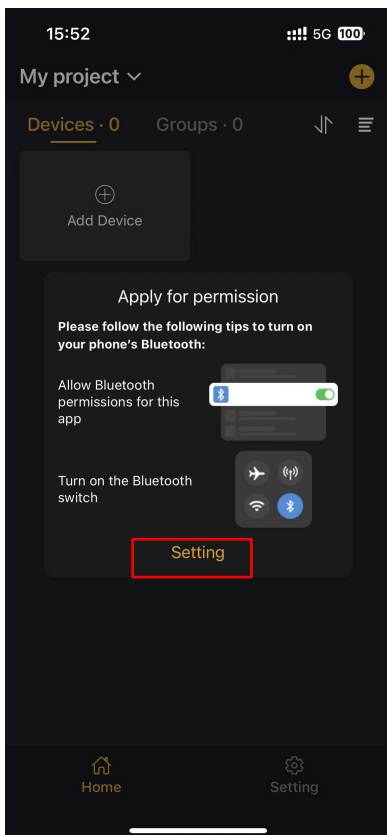
After opening the APP, authorization settings are required. The operation steps are as follows:

- 1、 Allow the APP to request access to your

Bluetooth permissions.



If you have previously denied the request, you need to go to the APP's settings, select "Bluetooth", and choose "Turn on Bluetooth".



2、 To search for Bluetooth devices, you need to turn on the "Bluetooth" function on your phone. For Android system phones, you also need to enable "GPS" location services, otherwise, the Bluetooth devices may not

be detectable.

IOS:



Android:



1.3.*Important Notices and Precautions

- **Mobile System Support:**

Generally, the program can operate smoothly on mainstream mobile devices with corresponding systems such as Android, IOS, and HarmonyOS. IOS supports version 14.5 and above, but it does not support Windows system or OS system.

- **Communication Connection:**

- 1、Bluetooth connection communication between devices is related to the performance of the mobile phone, and there are also limitations due to hardware restrictions and the lifespan of some older phones. For better connection and usage, it is recommended that the APP's Control Hub connect to no more than 5 devices at the same time; otherwise, some devices may not connect properly.
- 2、During multi-device Control Hub, the APP sends commands in a queuing mechanism, sending instructions to each device in sequence. Please wait patiently.
- 3、In multi-device Control Hub, the APP transmits a large amount of data to the devices, and there may be a small number of cases where data is lost or incomplete during transmission. If this occurs, please reset the data for device control.

4、 Closing the APP will automatically disconnect the Bluetooth connection between devices. However, turning off the screen of your mobile phone will not disconnect the Bluetooth connection.

- **APP Usage:**

Unless necessary, please do not delete the APP lightly, as it will clear all local data of the APP, and you will need to re-add all devices and Control Hubs. Please proceed with caution.

Chapter 3 Home

1.4. Device Management

1.4.1. Add Device

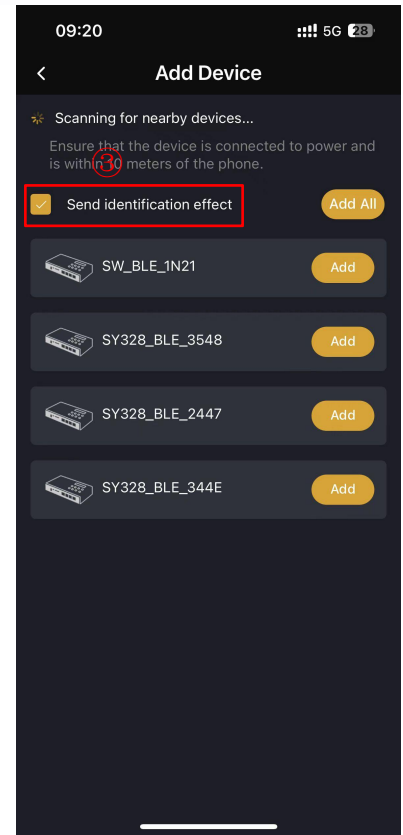
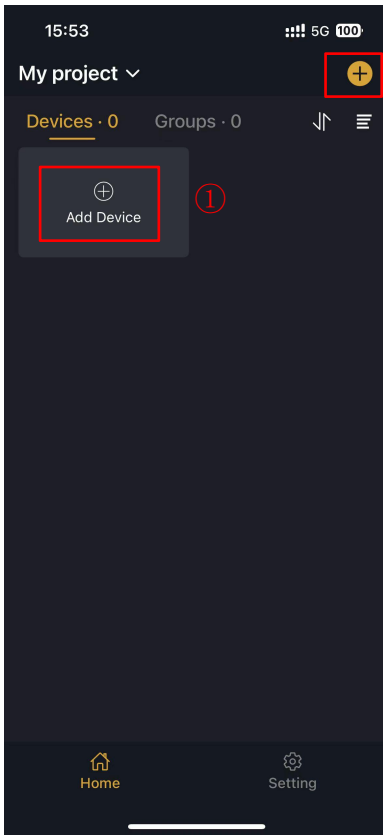
Function: Add devices with built-in Bluetooth modules to the APP for control.

Follow these steps:

| | | |
|--|---|---|
| 1、 Click on the bottom navigation bar, select "Home" - "Devices", then click on "Add Device" or the [+] icon to enter the search device list page. | 2、 The app will search for nearby Bluetooth devices and display compatible models. Please ensure that the device is connected to a power source and is within 10 meters of your phone. Click "Add" to add the device. If you have multiple devices to add, you can click "Add All". | 3 、 Establish a Bluetooth connection with the device and wait for the pairing to succeed. Optionally, upon successful connection, a 5-second identification effect can be triggered, playing a white flashing effect to quickly identify which specific device it is. |
|--|---|---|


*Note: If the pairing fails, it may be because another user is already using the device and a connection cannot be established.

Please wait for the user to exit the page before attempting to reconnect.



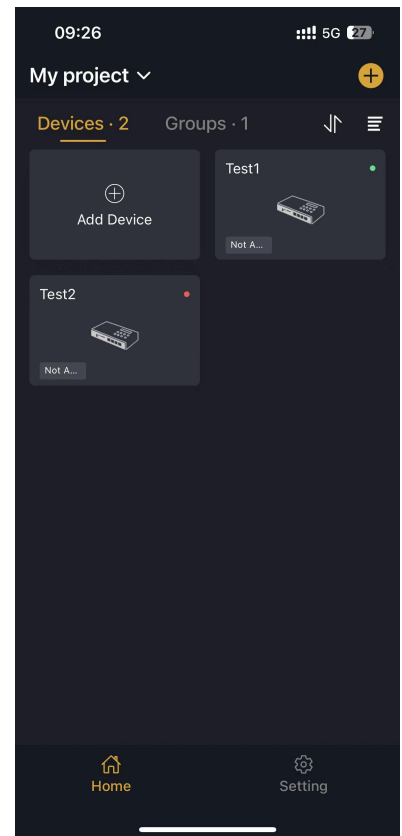
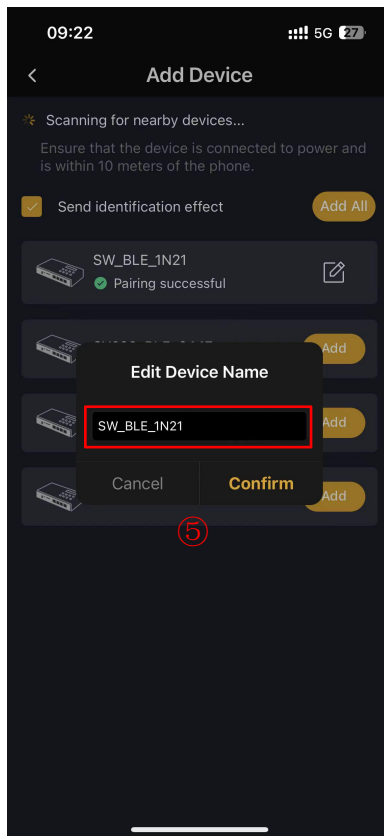
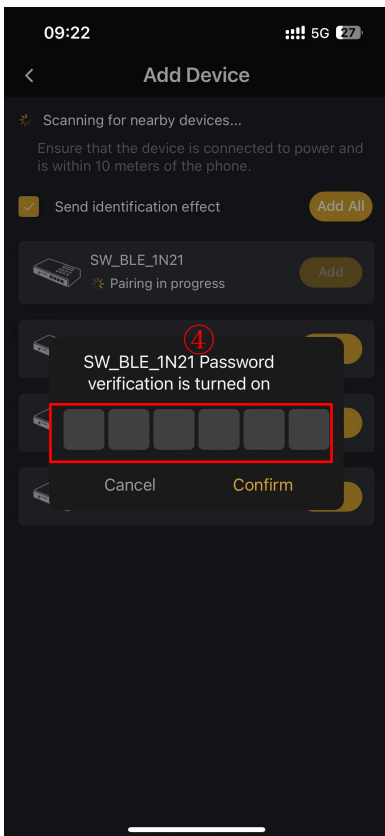
4、 During the device connection process, a password input interface may pop up, and the correct password must be entered to connect to the hardware (if the hardware has not been set with a password, skip this step).

*Note: If you forget the control password, you can restore the factory settings on the hardware.

5、 Complete the device information, click  to modify the device name.

6、 On the 'Home', you can see the devices you have added.

Press **【Settings】**-**【Factory Reset】** on the main interface of the AW-210 controller to reset, and the password will be restored to 6 zeros, 000000, which is the default without a password. Then, after adding the device in the APP, you can modify the password in the device information.





1.4.2. View Devices


Function: The ability to query device information on the Home, with the option to filter by different device models.

Follow these steps:

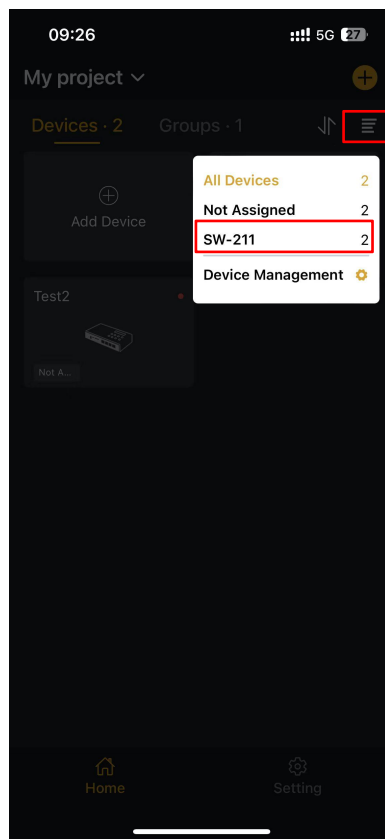
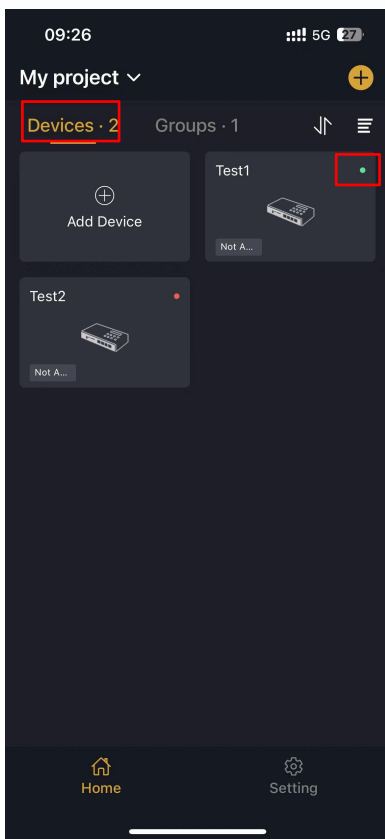
- 1、Click on the bottom navigation
- 2、By default, all added devices

bar, select "Home" - "Devices" to view the number of devices, device names, device availability status, and the associated Control Hub names. under the current project are displayed. Click  to filter the devices. If there are multiple models of devices, you can filter out a list of a single model.

Device availability status: ]

represents available; ]

represents unavailable.



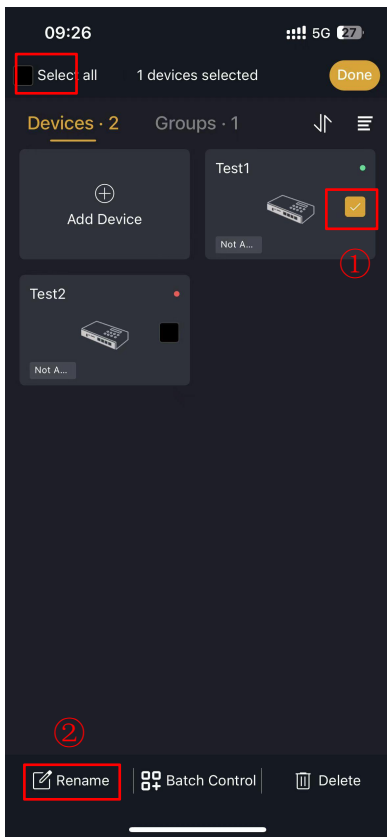
1.4.3. Edit Device Name and Delete Device

Function: Edit device names, delete selected devices, and support bulk deletion.

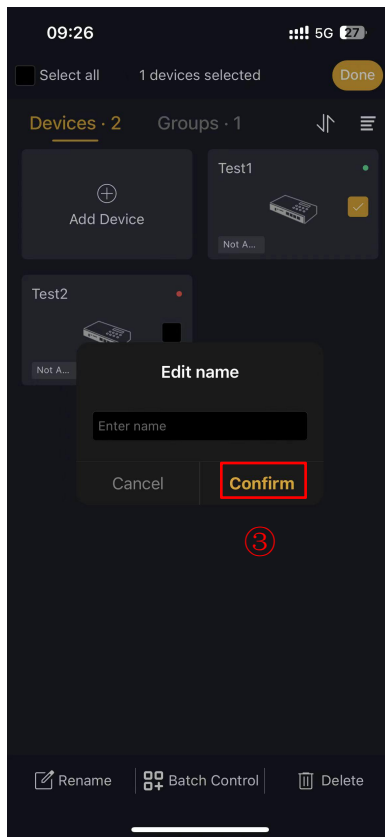
Follow these steps:


Rename:

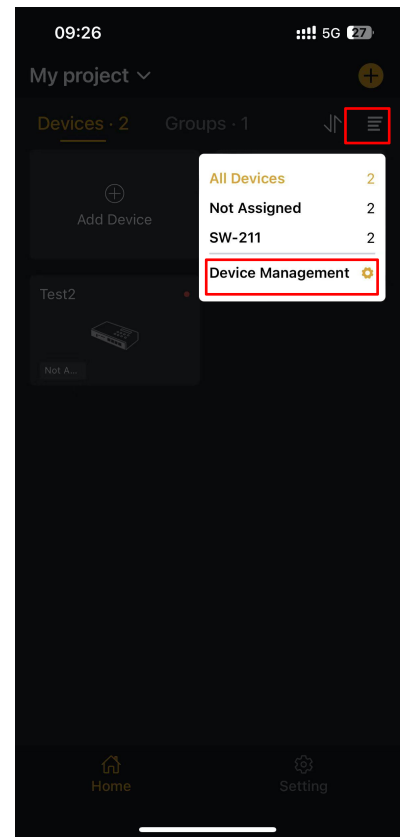
1、 Click on "Home" in the bottom navigation bar, then select "Devices". Long-press on a device to select it, tick the box next to the devices you wish to rename, and click on the "Rename" button.



2、 For the single selected device, you can proceed with the operation by entering a new name and clicking "Confirm".




3、 You can also click on the button  located in the top right corner of the Home to access the "Device Management" page, where you can rename your devices.



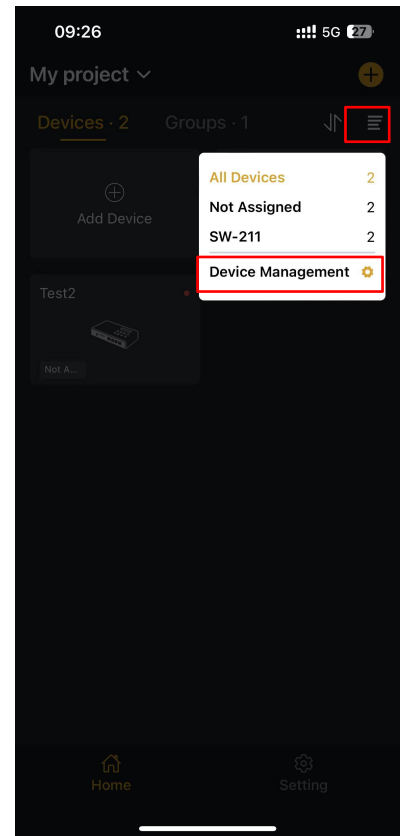
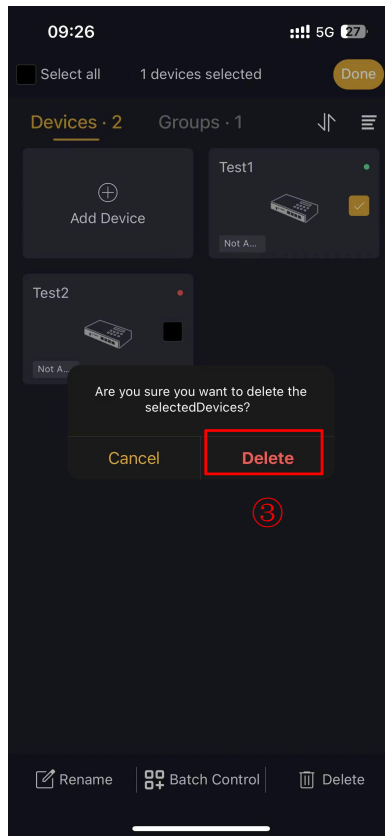
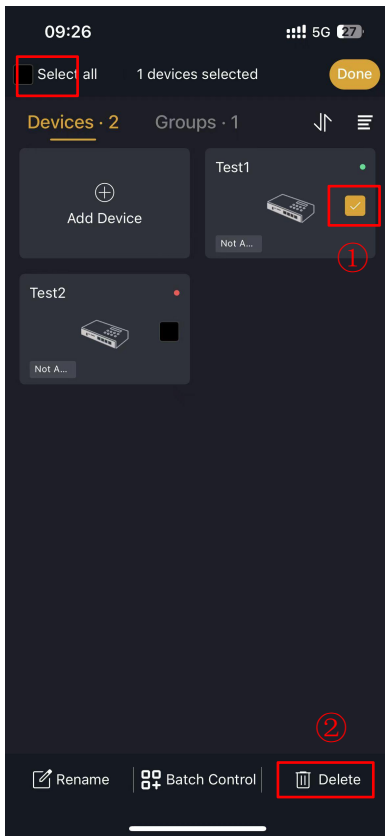
Delete:

1、 Click on the bottom navigation bar, select "Home" - "Devices". Long-press on a device to select it, and you can check all the devices you want to operate on for a batch operation. 2、 Click the "Delete" button at the

3、 Delete the selected devices by clicking "Confirm".

4、 You can also click the button  in the top right corner of the Home to access the "Device Management" page, where you can delete devices.


bottom.

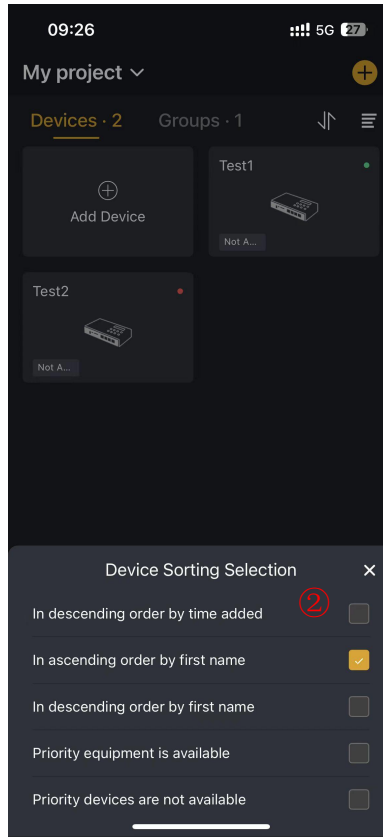
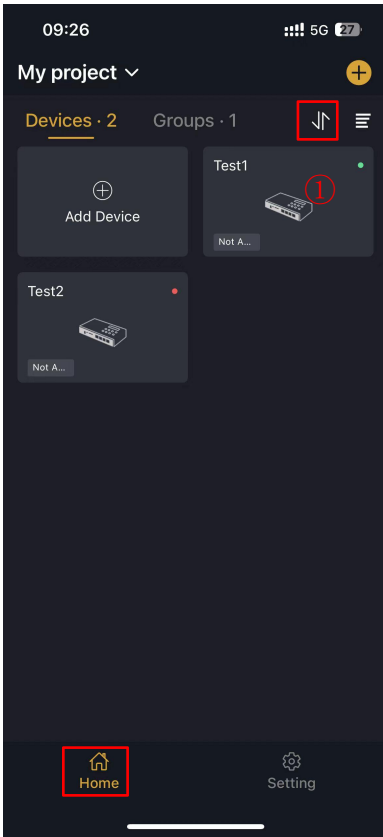


1.4.4. Set Device Sorting

Function: Adjust the Position Order of All Devices

Follow these steps:

- 1、 Click on the bottom navigation bar, select "Home" - "Devices". Then click on the  the desired option to apply it.
- 2、 There are multiple sorting options available. Simply click on the sorting icon to bring up the "Device Sorting Options" panel.



1.5. Control Hub Management

1.5.1. Add Control Hub

Function: Allocate multiple devices to the same centralized control for convenient group control and issuing commands simultaneously.

*Note: The grouping Function is related to the performance of the phone's Bluetooth, and there may be hardware limitations with some older phones. To ensure smooth group control, it is recommended that the number of devices controlled in a group does not exceed 5.

Follow these steps:

- 1、 Click on the bottom navigation bar, select "Home" - "Groups".
- 2、 Enter the name for the Control Hub.
- 3、 Select the devices that belong to this Control Hub group. Full selection is supported, and the
- 4、
- 5、
- 6、
- 7、 On the "Control Hub" page, you can view the information of the newly created Control Hub group, including the name of the Control Hub, the number of

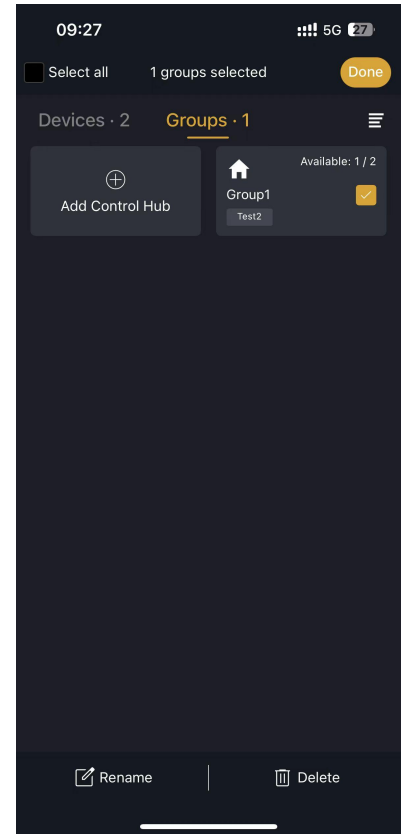
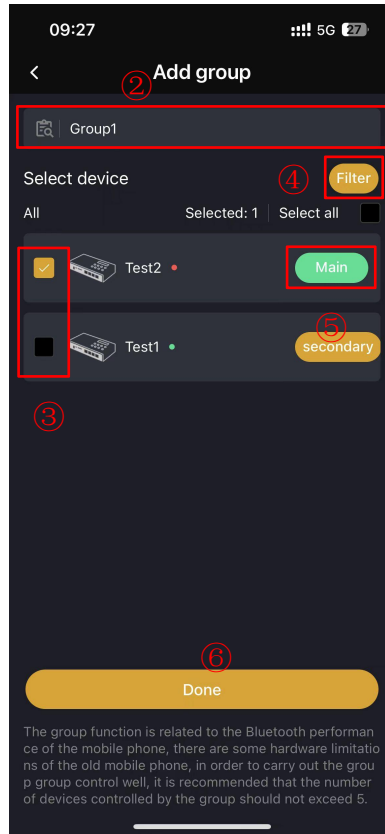
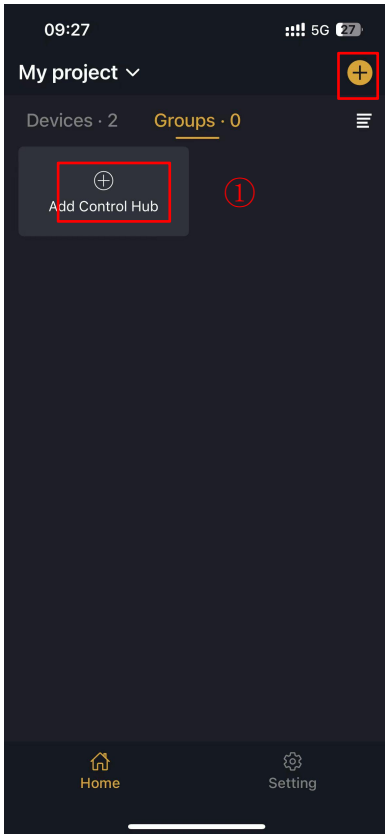
same device can be assigned to multiple Control Hub for use. devices in the group, the name of the master device, and the number of available devices out of

4、 When there are multiple the total number of devices.

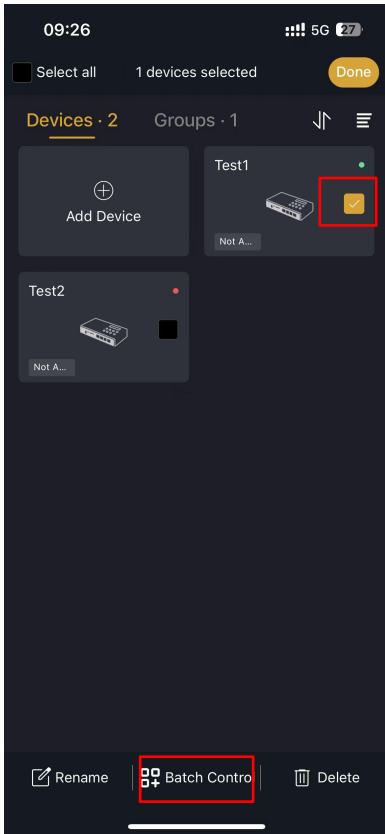
models of devices available, you can click on "Filter" to select different models of devices to add to the Control Hub. However, devices of different models cannot be combined into a single Control Hub group.

5、 You need to specify one device within the Control Hub group as the master device. When controlling the page, only the master device will be queried, which can improve communication speed. The parameters of the master device will be sent to all slave devices for execution.

6、 Click the "Done" button.



8、 On the "Home" - "Devices" section, you can long-press on a device to select it, then tick the box next to multiple devices you want to control in bulk. After that, click on the "Batch Control" button to set the selected devices to the same Control Hub group.




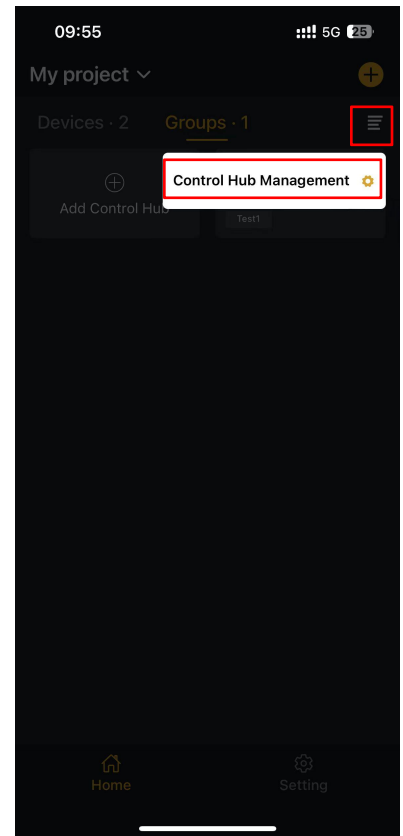
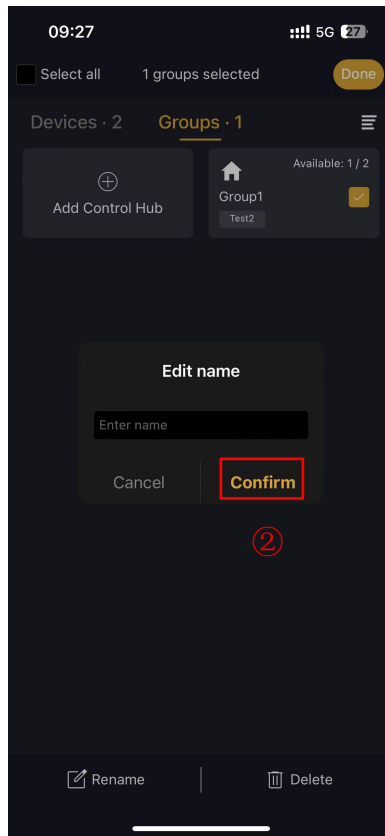
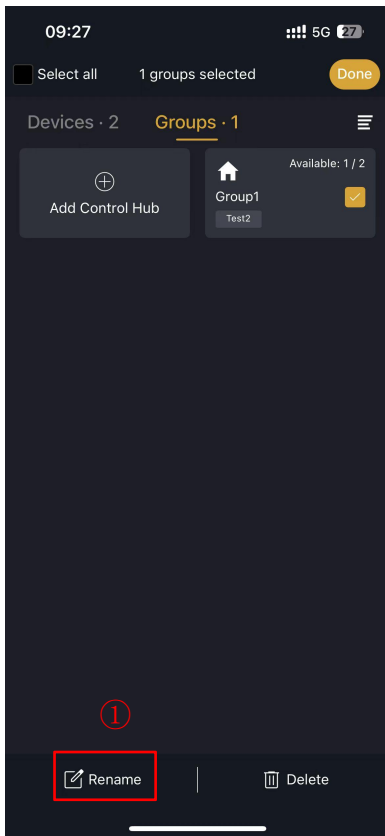
1.5.2. Modify Centralized Control Name and Delete Centralized Control

Function: Edit the name of a centralized control, delete selected centralized controls, and support batch deletion.

Follow these steps:

Rename:


- 1、 Click on the bottom navigation bar, select "Home" - "Groups".
 - 2、 For the single selected record, you can proceed with the operation by entering a new name and clicking "Confirm".
 - 3、 You can also click on the button  located in the top right corner of the Home to access the "Control Hub Management" page, where you can rename your Control Hub Control Hub.
- Long-press on a Control Hub group to select it, tick the box next to the Control Hub you want to rename, and click on "Rename".

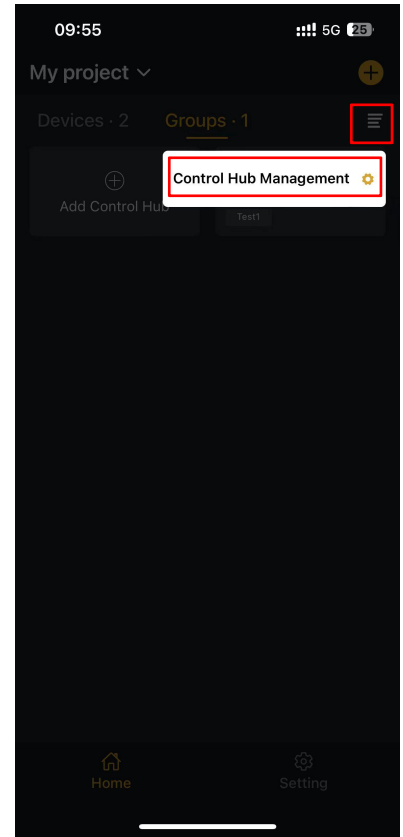
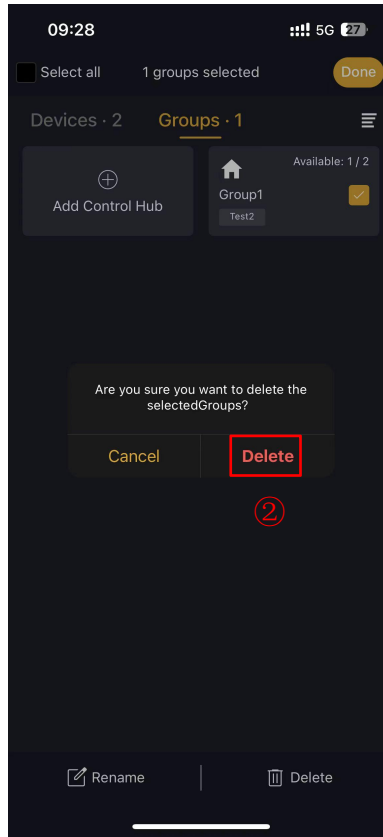
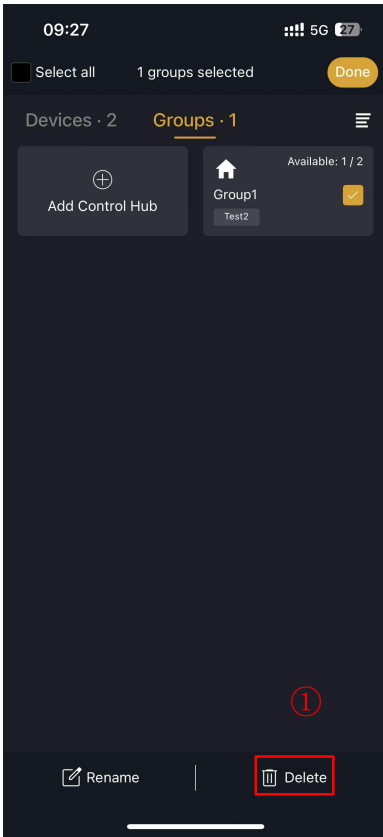


Delete:

1、Click on the bottom navigation bar, select "Home" - "Groups". Long-press on a Control Hub group to select it, tick the box next to the Control Hub you want to delete, and click on "Delete".

2、Delete the selected Control Hub Control Hub by clicking "Confirm".

3、You can also click on the button located in the top right corner of the Home  to access the "Control Hub Management" page, where you can delete the selected Control Hub Control Hub.




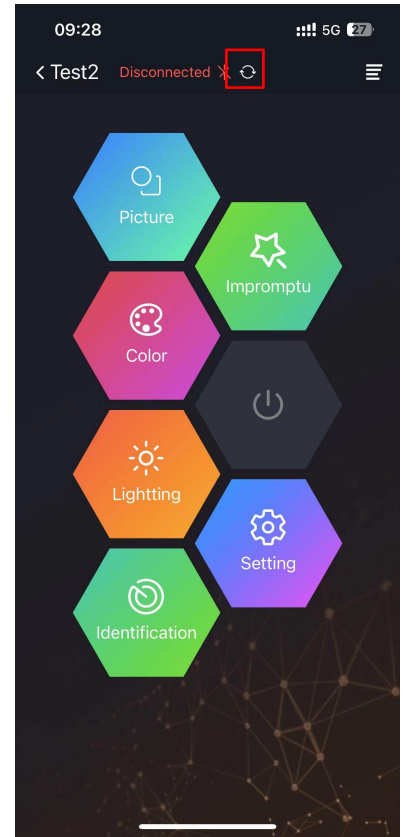
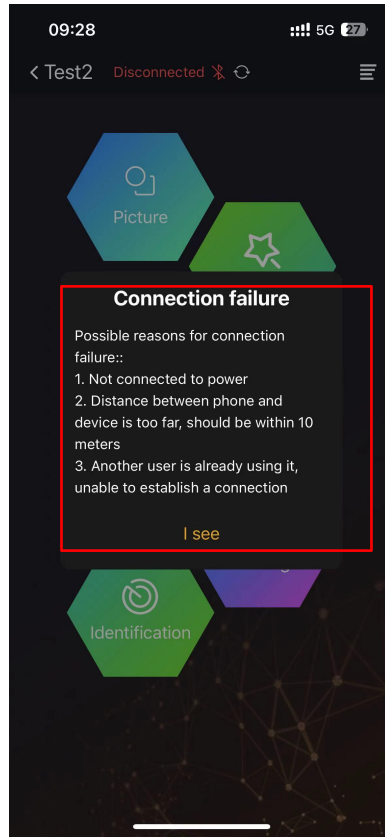
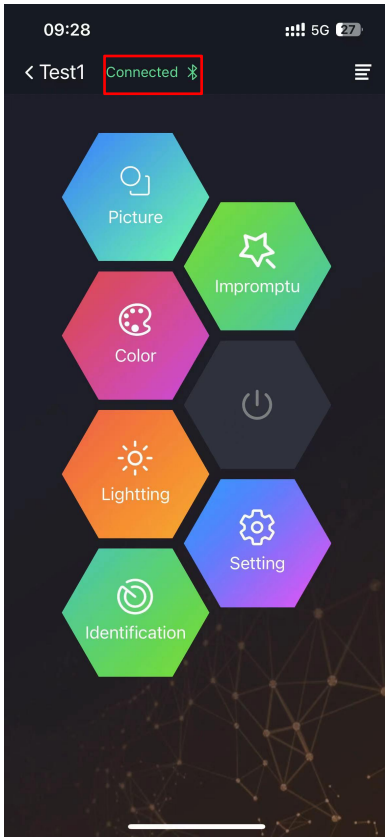
1.6. Control Panel

1.6.1. Reconnect Controlled Devices

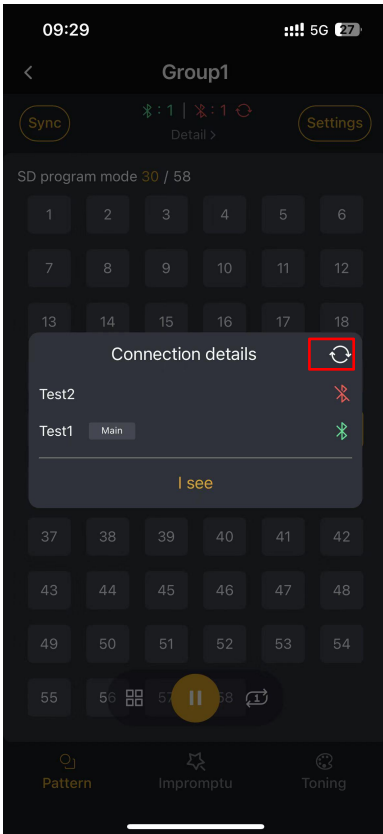
Function: Manually Refresh the Device Connection Status of Control Objects

Follow these steps:

- 1、 Click on a specific device to enter the "Control Panel" page. Upon entering the page, it will automatically attempt to reconnect. The connection status will be indicated as either "Not Connected" or "Connected".
- 2、 If the automatic connection fails, the following prompt will appear, requiring further inspection.
- 3、 Click on the  icon to re-establish the Bluetooth connection with the device. Please wait patiently.



4、 If you want to view the status of devices within a Control Hub group, you need to navigate to the detailed operation page and click on "Details". This will display the status of each device in the Control Hub group.



1.6.2. Switching SD Picture Program Modes

Function: Manually switch Picture program modes within an SD card, with the ability to control playback status and loop mode.

***Note:**

1、 If it's a centralized control system, only the Picture mode number of the primary device will be queried and displayed. When switching modes, the command will be sent to other devices in the same group for execution.

2、 Please ensure that the controller box is properly inserted into an SD card containing existing Picture SD.bin files.

Follow these steps:

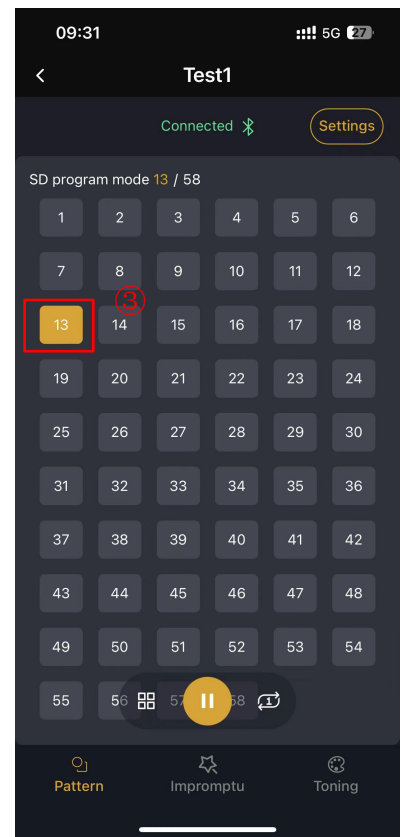
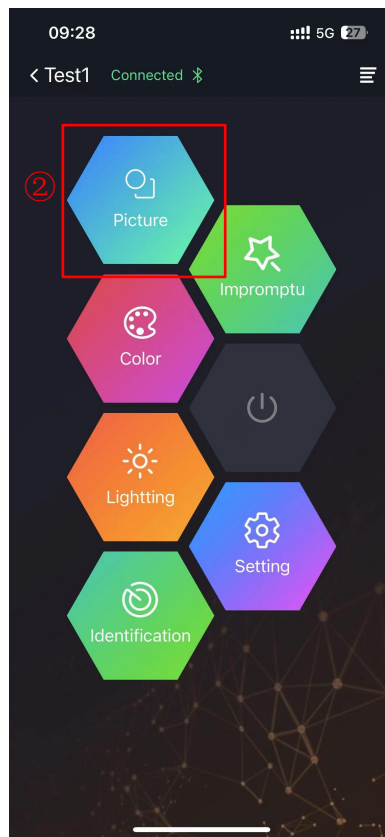
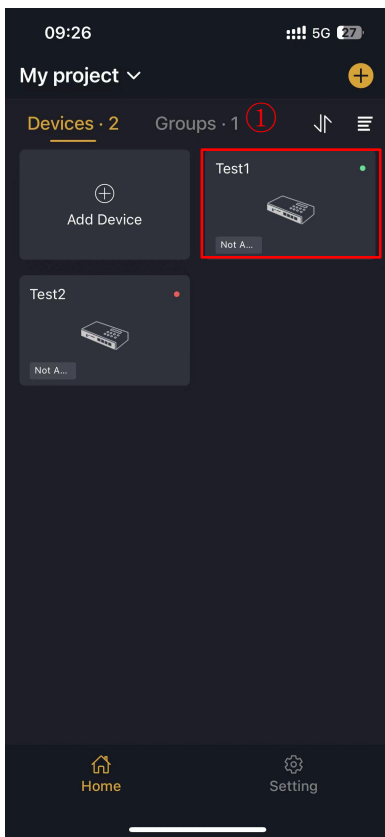
- | | | |
|---|--|--|
| <p>1、 Click on the bottom navigation bar, select "Home" - "Devices", and then click on the specific</p> | <p>2、 On the control panel page, click 【Picture】 to query the Picture program modes</p> | <p>3、 Click on the serial number of the program mode to issue the command to switch to that mode</p> |
|---|--|--|



device to enter the control panel page.




If it's a Control Hub system, click on the bottom navigation bar, select "Home" - "Groups", and then click on the specific device to enter the control panel page.

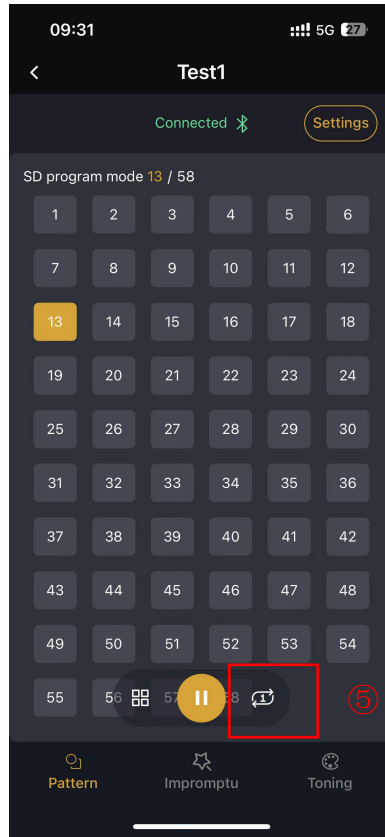
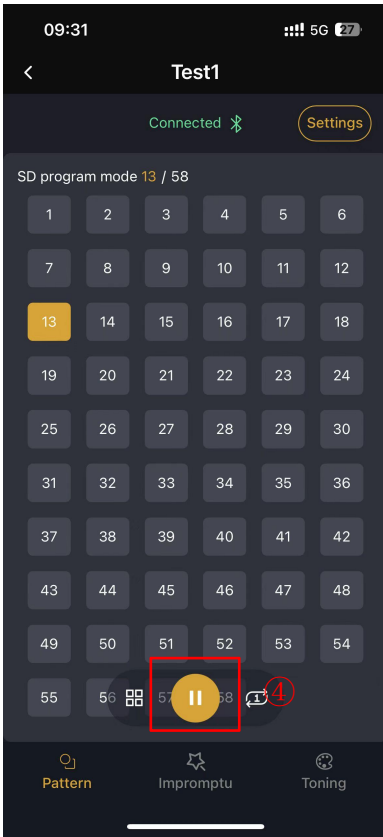
displayed on the device's SD card.

to the selected control device for execution.



5、 Control the playback of the current Picture program mode. Click the  icon to suspend the playback of the program mode, and click the  icon to resume playback.

6、 Switch loop mode, supporting  Multiple loop playback,  Single loop playback,  Random playback.



1.6.3. Invoke Improvisational Effects

Function: Provide preset effects of various commonly used types, with the ability to apply and play them with a single button press.

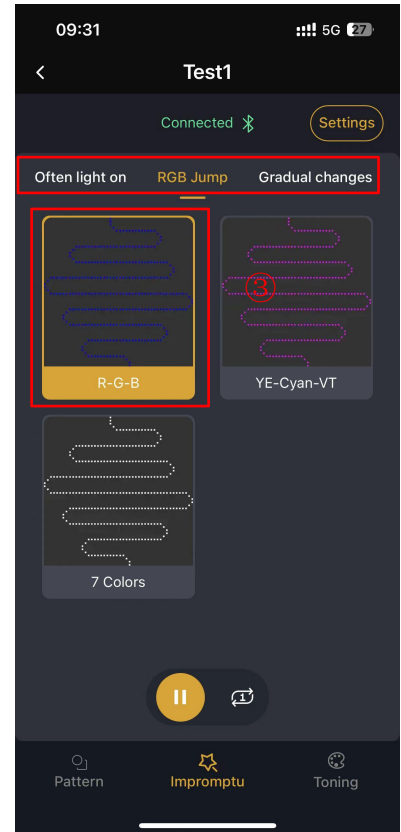
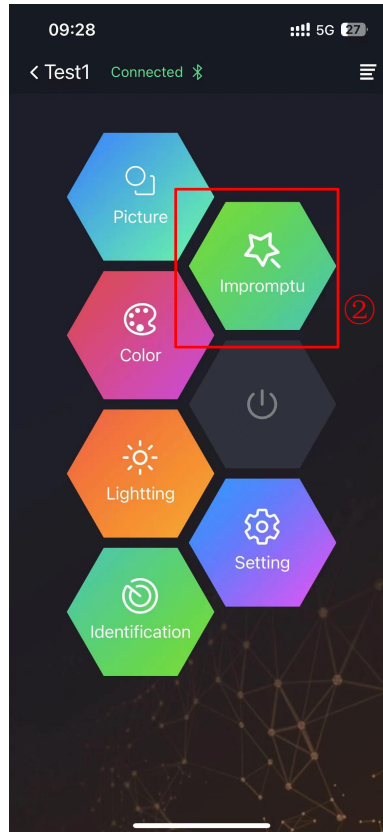
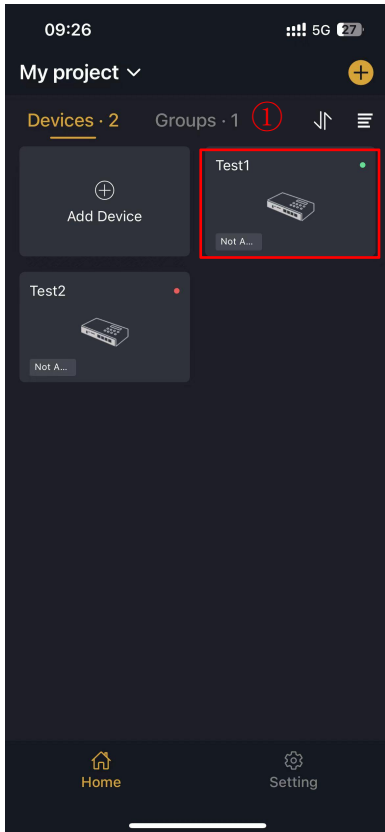
*Note: In a centralized control system, only the channel count of the primary device should be queried, and the built-in effects for that channel count should be displayed. If a mode is switched, the command should be sent to other devices in the same group for execution.



Follow these steps:




- 1、 Click on the bottom navigation bar, select "Home" - "Devices", and then click on the specific device to enter the control panel page.
- 2、 On the control panel page, click **【Impromptu】** .
- 3、 Display the built-in effects of this channel. By clicking on the preview image, you can issue the command to play the improvisational effect to the selected control device for

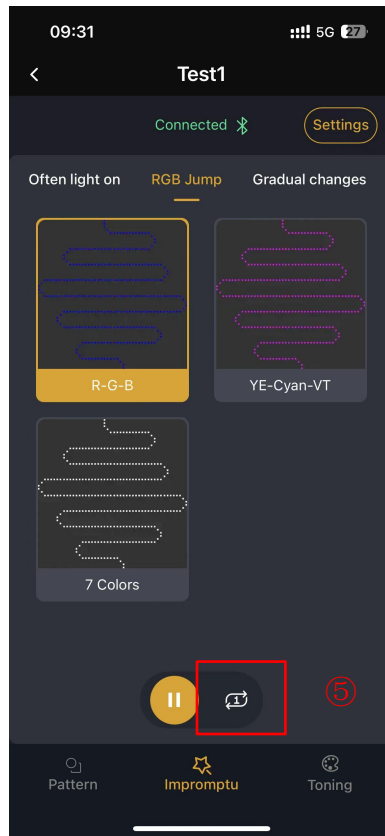
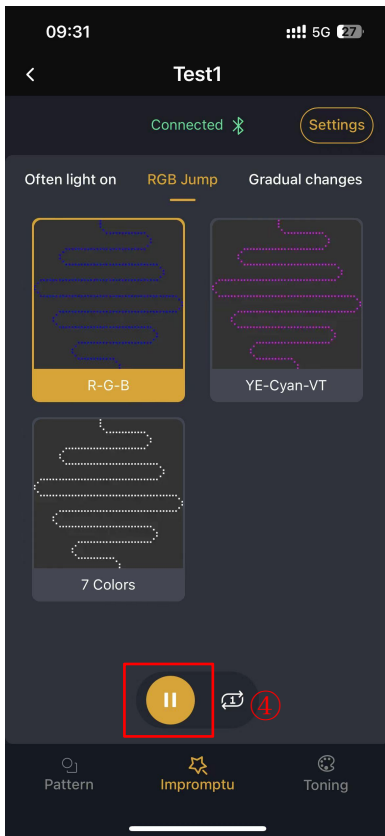
on the bottom navigation bar, select "Home" - "Groups", and then click on the specific device to enter the control panel page.

execution. Categories can be switched.



5、 Control the playback of the current Picture program mode. Click the  icon to suspend the playback of the program mode, and click the  icon to resume playback.

6、 Switch loop mode, supporting  Multiple loop playback,  Single loop playback,  Random playback.



1.6.4. RGB Color Dimming

Function:Customize and create an overall constant brightness color adjustment effect, with support for adjusting brightness levels. Also includes a one-click Function to generate a constant brightness mode.

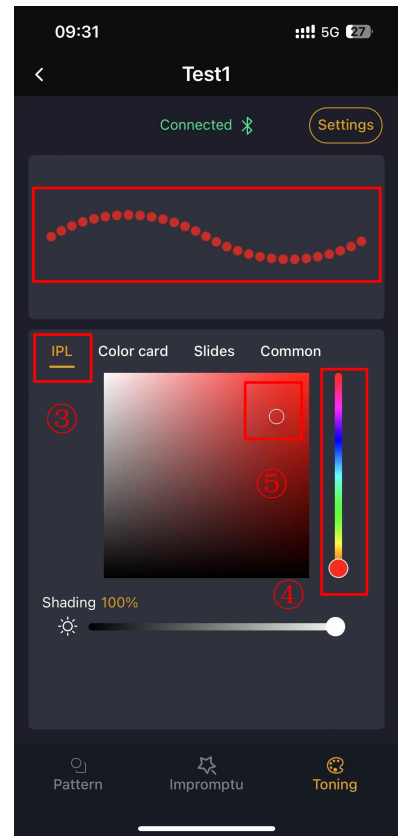
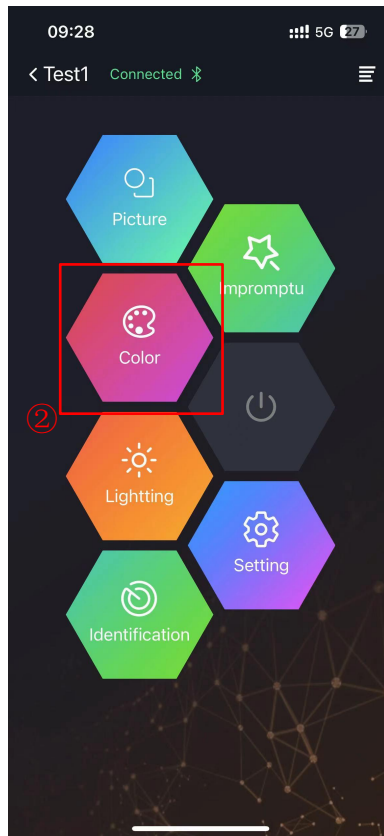
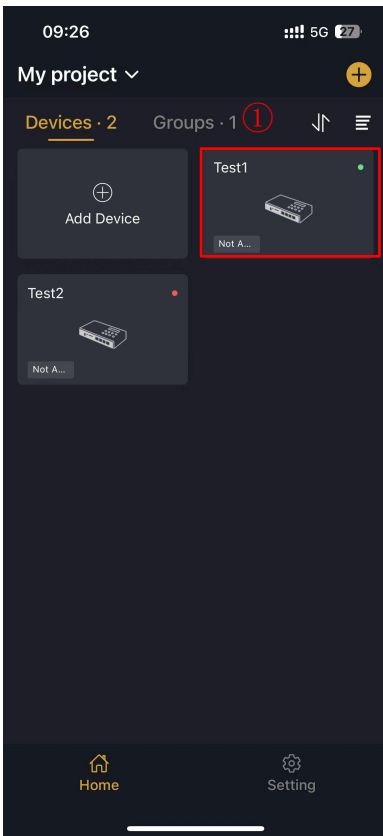
*Note: Only supports three-channel color adjustment.

Follow these steps:

- | | | |
|--|--|--|
| <p>1、 Click on the bottom navigation bar, select "Home" - "Devices", and then click on the specific device to enter the control panel page.</p> <p>If it's a Control Hub system, click on the bottom navigation bar, select "Home" - "Groups", and</p> | <p>2、 On the control panel page, click [Color]</p> | <p>3、 Click on "Colorful Light".</p> <p>4、 Drag the slider .</p> <p>5、 Choose the desired color, click on the color card to issue the color command in real time, the current color can be viewed directly on the page, and the brightness of the color can be</p> |
|--|--|--|

then click on the specific device to enter the control panel page.

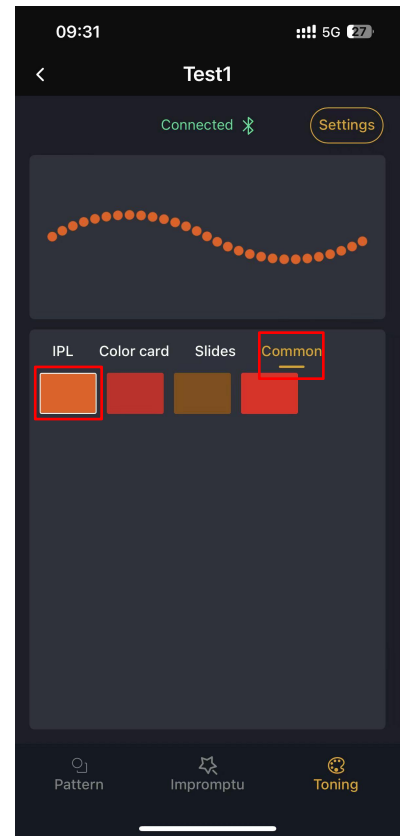
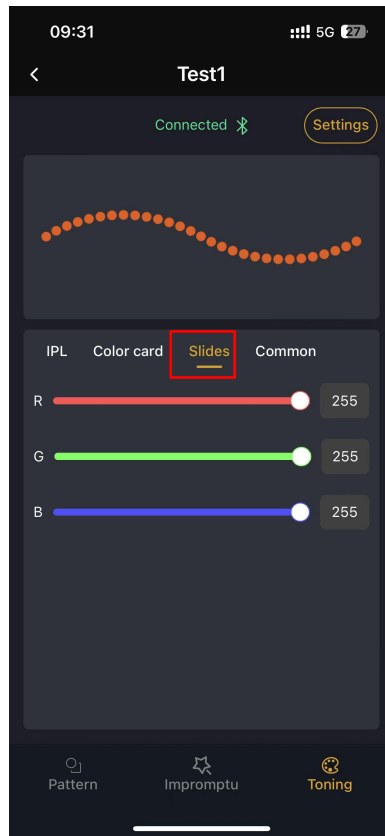
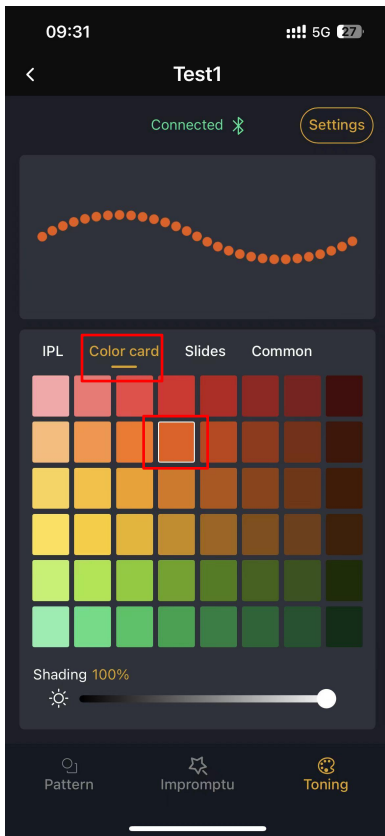
adjusted.



6、Click on the 【color card】 to adjust the desired color. Clicking on the color card will issue the color command in real time. The current color can be viewed directly on the page, and the brightness of the color can be adjusted.

7、Click on the 【slider】 and then click on the RGB color code value to open the "Set RGB" panel. This panel allows you to fine-tune the numerical values of R/G/B individually.

8、Click on 【Common】 to display the most recently used color cards. Clicking on a color card will issue the color command in real time.



1.6.5. Set frame rate, brightness

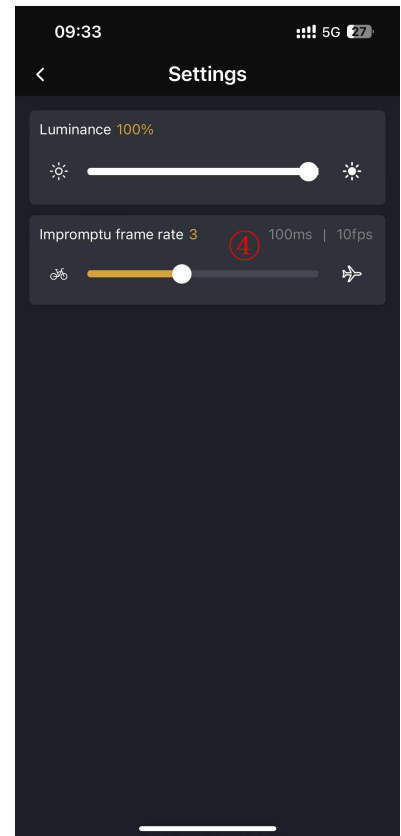
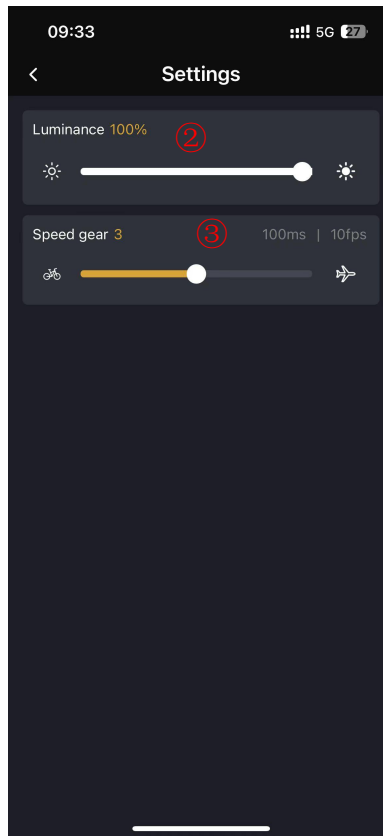
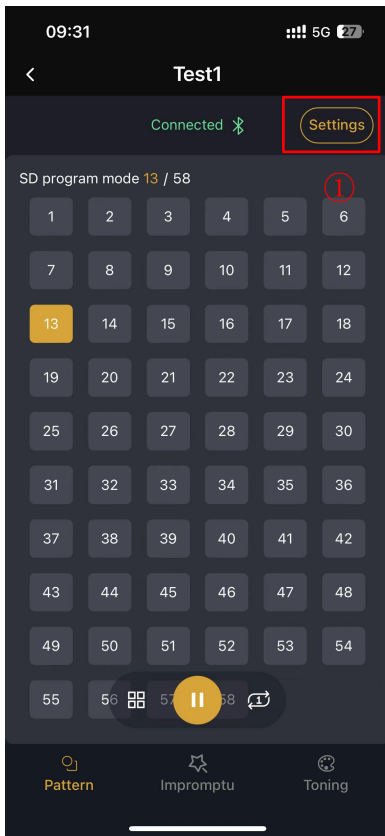
Function: Set SD Card Program Mode and Improvisation Effect Playback Parameters, including Frame Rate Settings and Brightness Levels.

Follow these steps:

- 1、 On the Picture/Improvise/Color Adjustment page, click on the top right button labeled 【Settings】 to enter the "Playback Settings" page.
- 2、 Real-time adjustment of the overall brightness.
- 3、 Real-time adjustment of Picture frame rate: When playing a Picture effect, you can adjust the frame rate. The smaller the value, the slower the playback speed of the effect. The actual frame rate is
- 4、 Real-time adjustment of built-in effect frame rate: When playing an improvised effect, you can adjust the frame rate. The smaller the value, the slower the playback speed of the effect. The actual frame rate is subject to the hardware limitations.

subject to the hardware

limitations.



1.6.6. Adjust Lighting

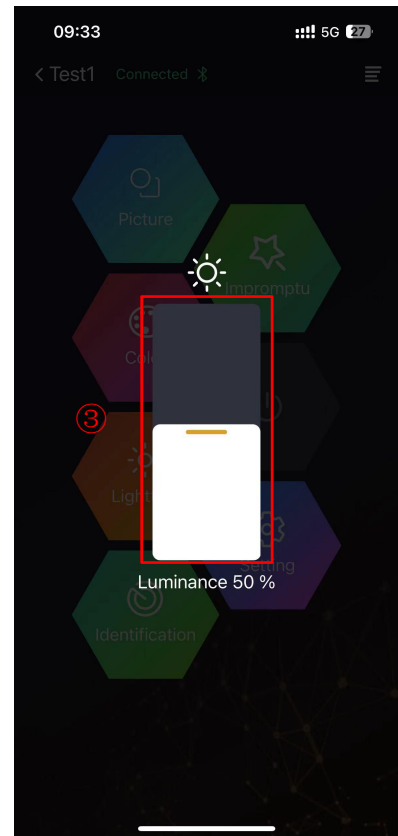
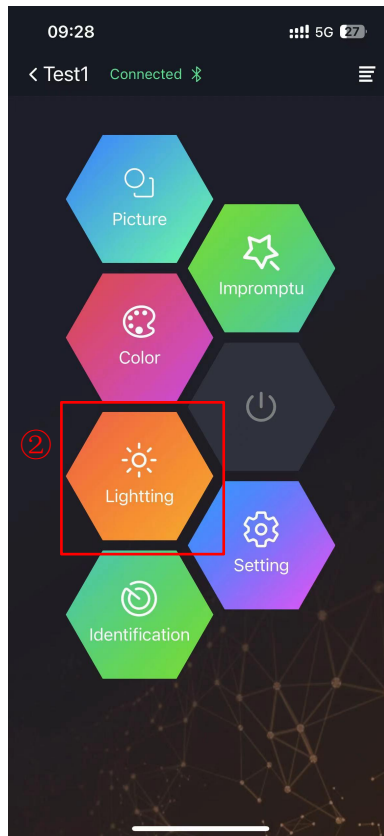
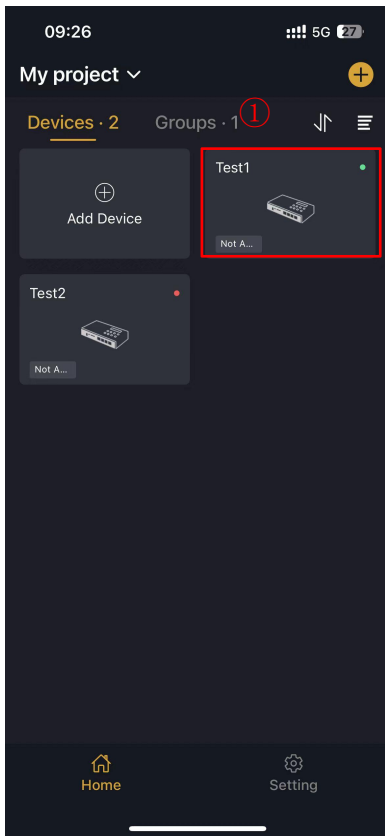
Function: Set Overall Playback Brightness

Follow these steps:

1. Click on the bottom navigation bar, select "Home" - "Devices", and then click on the specific device to enter the control panel page.
2. Click on the **【Lighting】** button on the control panel page.
3. Sliding up or down to adjust the brightness on the control panel will issue the brightness command in real time.

If it's a Control Hub system, click on the bottom navigation bar, select "Home" - "Groups", and

then click on the specific device to enter the control panel page.



1.6.7. Device Identification

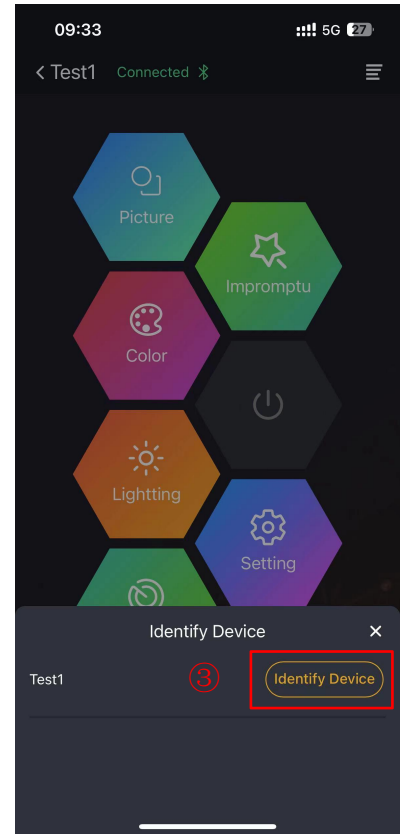
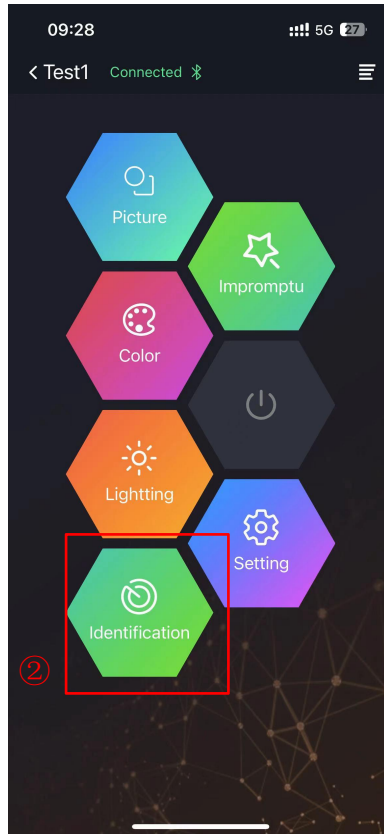
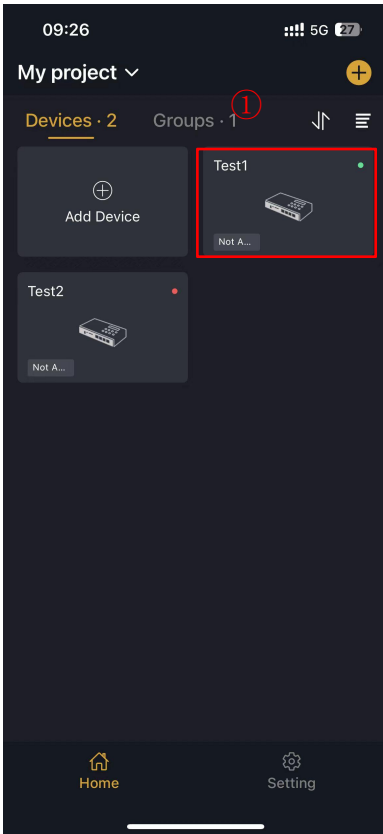
Function: Send a 5-Second Recognition Effect for Rapid Identification of Specific Devices

Follow these steps:

- 1、 Click on the bottom navigation bar, select "Home" - "Devices", and then click on the specific device to enter the control panel page.
- 2、 Click on the **【Identification】** button on the control panel page.
- 3、 Clicking on "Identify Device" triggers a 5-second identification effect, displaying a white flashing effect.

If it's a Control Hub system, click on the bottom navigation bar, select "Home" - "Groups", and

then click on the specific device to enter the control panel page.



1.6.8. One-click Black Screen/Wake-up Screen

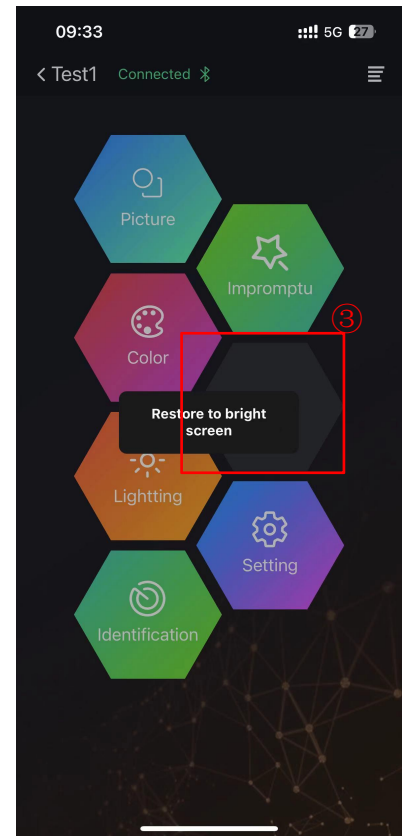
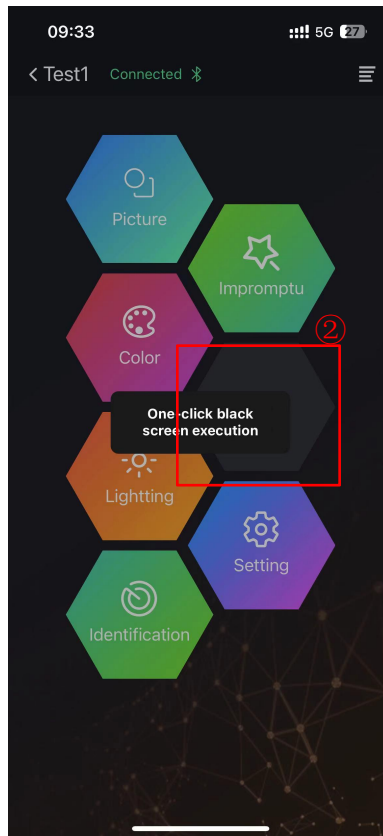
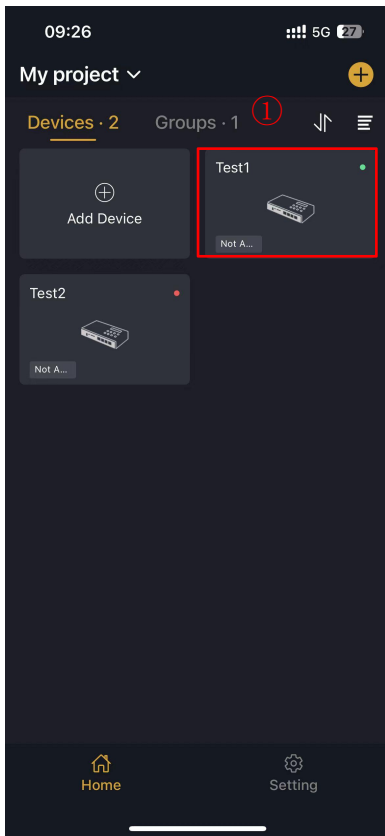
Function: Command to Toggle Between Black Screen and Bright Screen States

Follow these steps:

- 1、 Click on the bottom navigation bar, select "Home" - "Devices", and then click on the specific device to enter the control panel page.
- 2、 Click on the 【🔌】 off icon to issue the black effect mode for execution. At this point, adjustments to the playback effect are not allowed.
- 3、 To restore the screen to its original state, click on the 【🔌】 on icon again to resume the original playback content. At this point, adjustments to the playback effect will be allowed.

If it's a Control Hub system, click on the bottom navigation bar, select "Home" - "Groups", and

then click on the specific device to enter the control panel page.



1.6.9. Settings

Function: Viewing and Modifying Basic Device Information, Including Control Password, Chip Model, Number of Channels, Channel Order, and Adding/Deleting Centralized Control Devices.

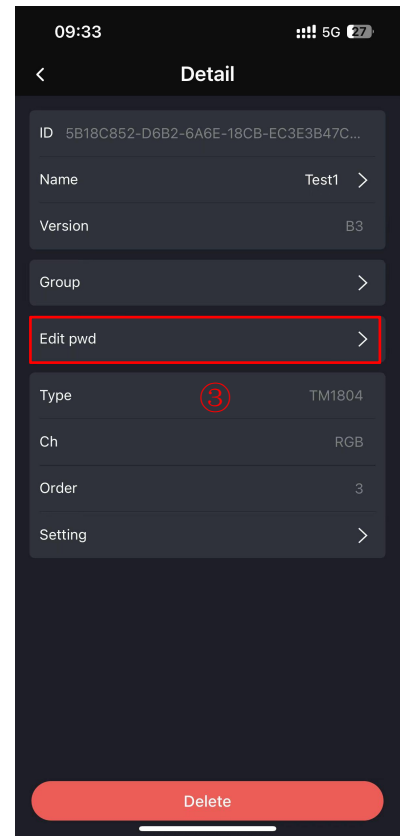
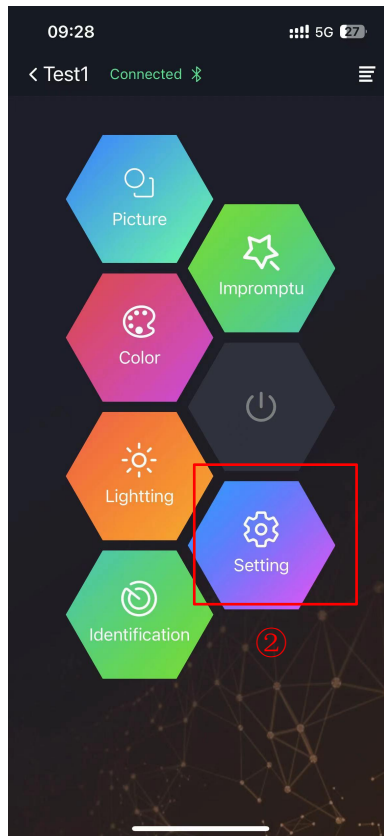
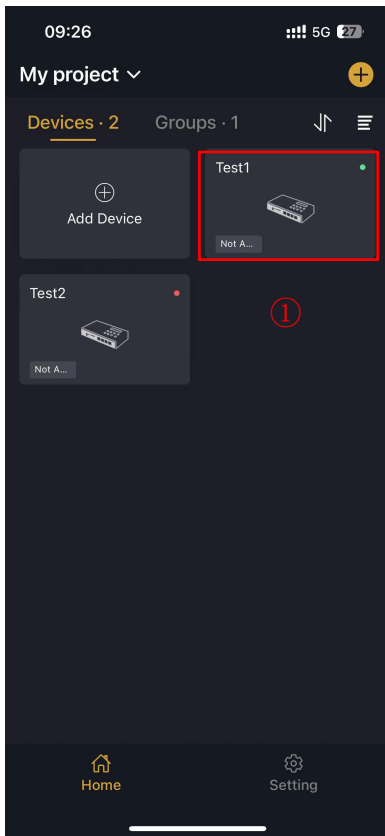
1.6.9.1. Change Device Password

Function: Hardware Control Password Requirement and Password Modification

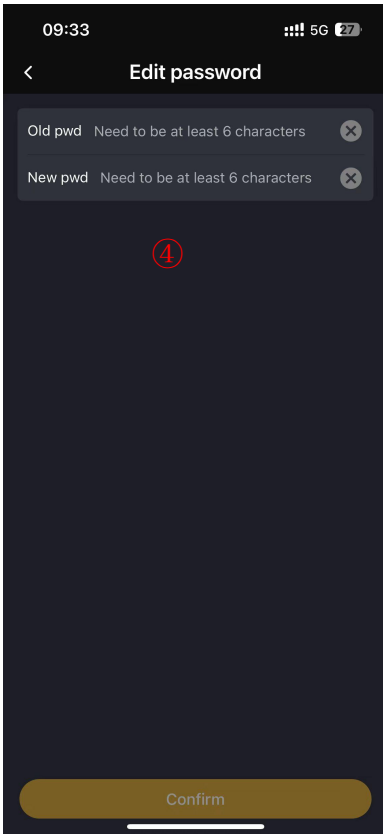
Follow these steps:

- 1、 Click on the bottom navigation bar, select "Home" - "Devices", and then click on the specific device to enter the control panel page.
- 2、 Clicking on the 【Settings】 button on the control panel page will enter the "Device Details" page.
- 3、 Clicking on 【Edit 】 will prompt the "Change Device Password" page.

page.



4、 Enter the original 6-digit password and the new password, and click 【Confirm Changes】 . If the original password is correct, the saved password on the device will be updated. *Note: Using 6 zeros as the password is equivalent to not setting a password limit or usage, so please use it carefully.

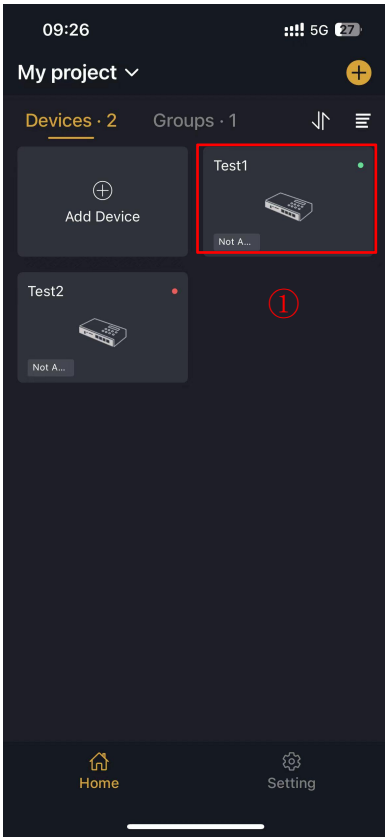


1.6.9.2. Advanced Settings

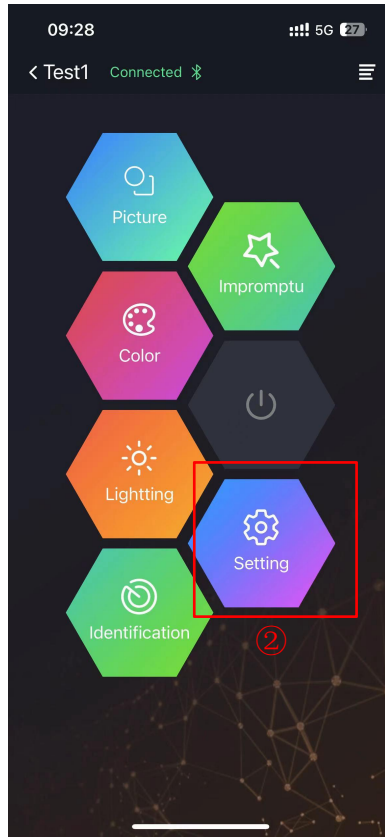
Function: Modify Chip Model, Number of Channels, and Channel Order for a Device

Follow these steps:

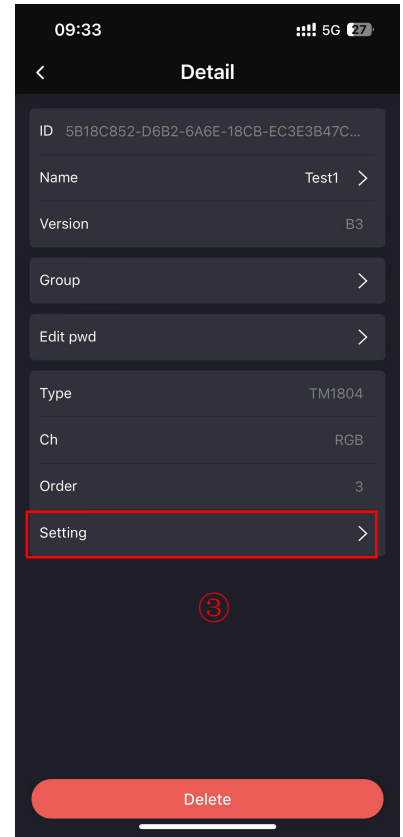
- 1、 Click on the bottom navigation bar, select "Home" - "Devices", and then click on the specific device to enter the control panel page.
- 2、 Clicking on the 【Settings】 button on the control panel page will take you to the "Device Details" page.
- 3、 Click on 【Setting】 .

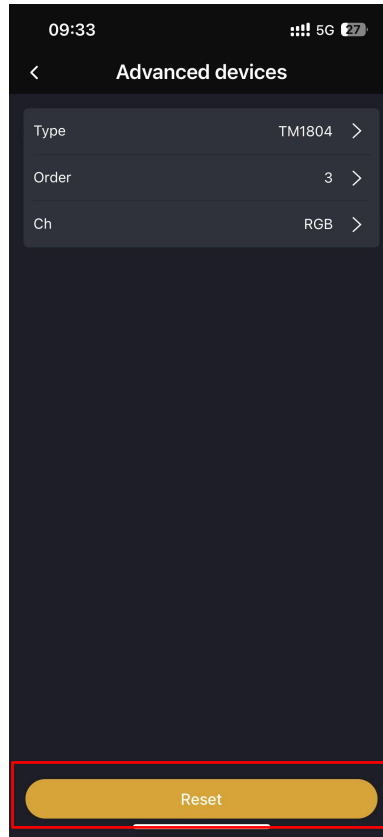
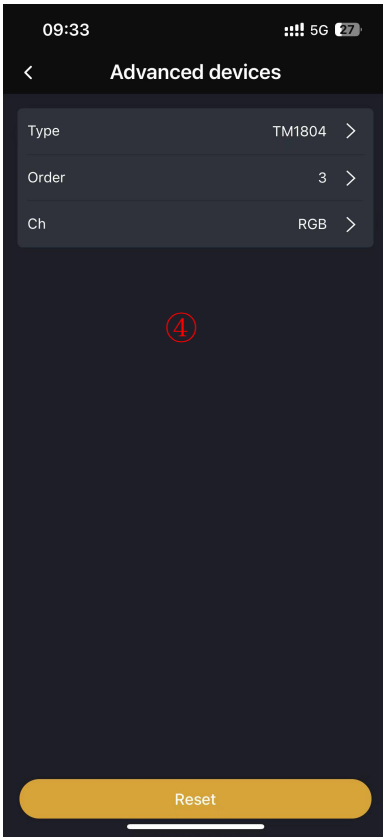


4、 Modifying the device chip model, number of channels, or channel order should be used carefully as changes will take effect immediately without further confirmation.



5、 Factory Reset: Click on Restore Hardware Default Parameters to reset speed, mode, chip, brightness, number of channels, and channel order to their default values.





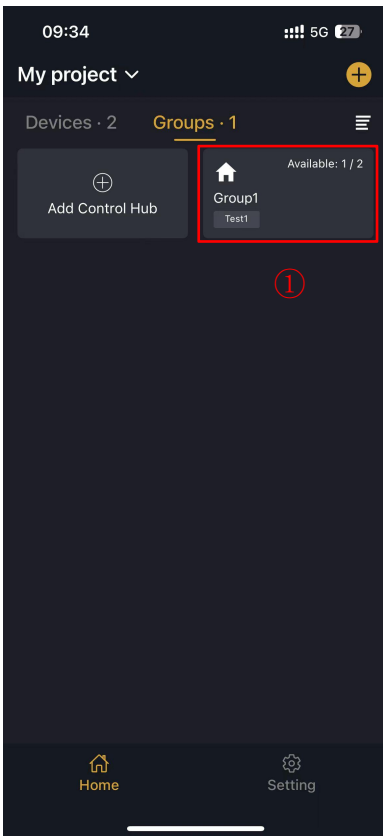
1.6.9.3. Edit Control Hub Equipment

Function: Query Centralized Control Device Information, Add/Delete Devices within the Centralized Control, and Modify the Main Centralized Control Device

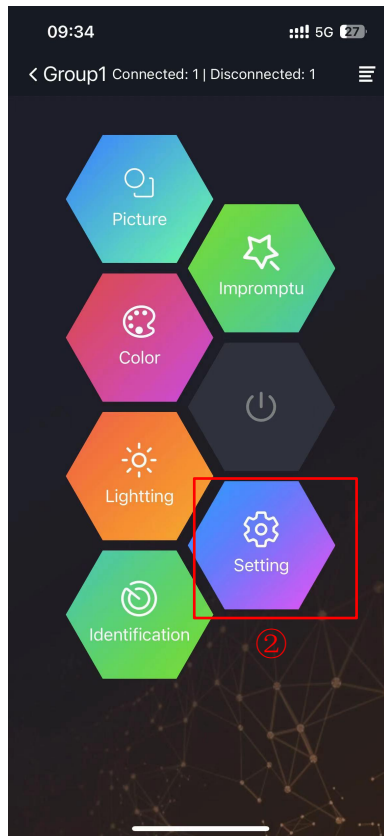
Follow these steps:

- 1、 Click on the 【Home】 button at the bottom navigation, then select 【Control Hub】. Clicking on Control Hub will take you to the control panel page.
- 2、 Clicking on the 【Settings】 button on the control panel page will take you to the "Device Details" page.
- 3、 You can view the Control Hub name and device availability status on the "Device Details" page. To add more devices to this Control Hub, click on the 【+】Add Device button.
- 4、 To change the primary device, click on the 【Secondary Device】

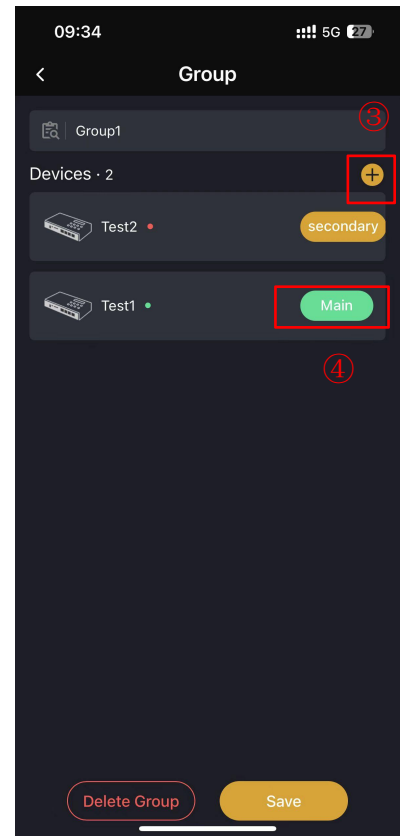
button, and it will become the primary device.



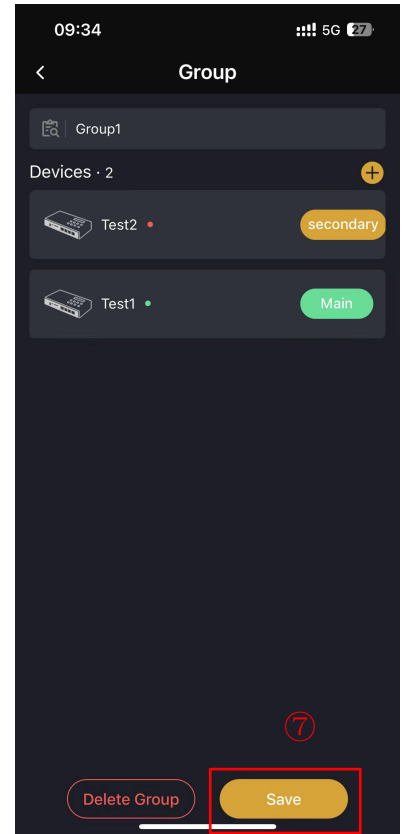
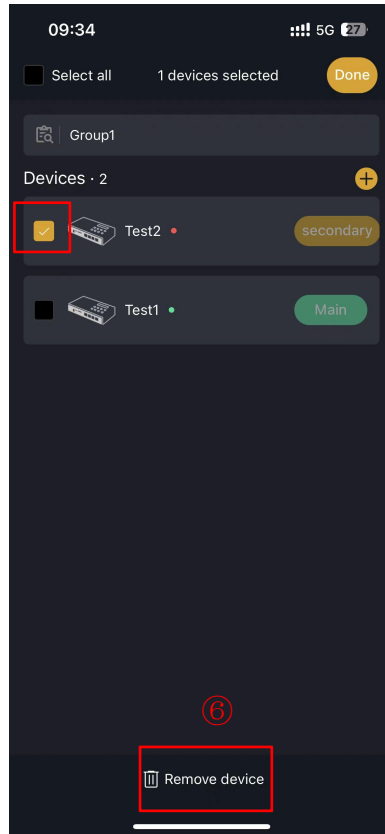
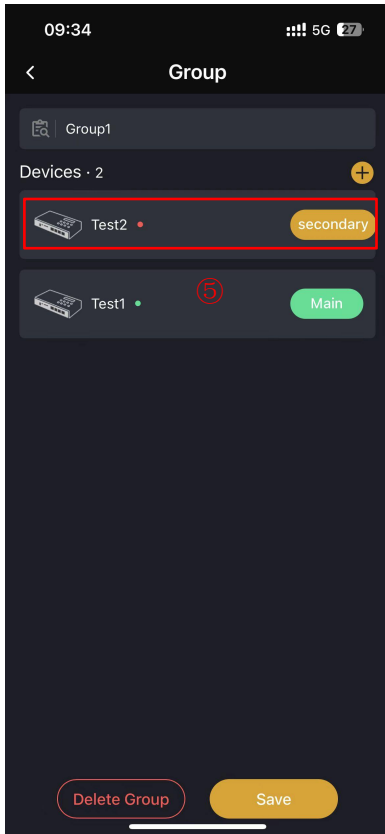
5、 Device Unbinding: Long-press on the device



6、 Device Unbinding: Select the device by checking the box, and click on 【Remove Device】 to unbind the device from the Control Hub.



7、 After making any modifications, click on the 【Save】 button to make the changes effective.

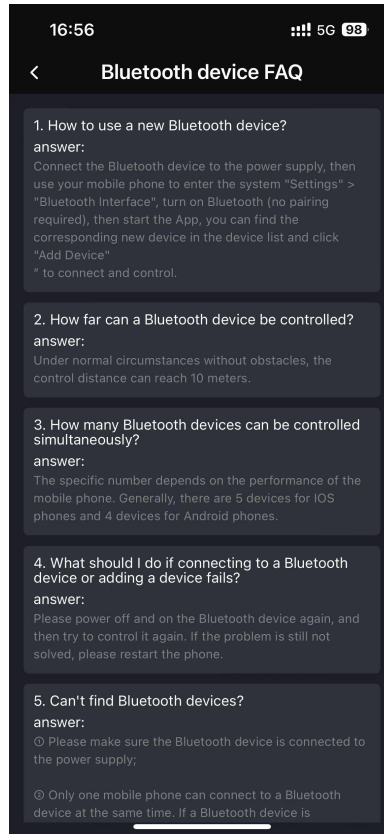
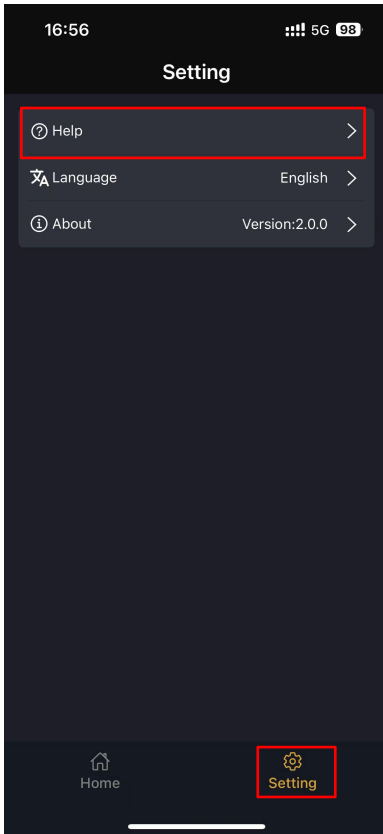


Chapter 4 Settings

1.7. Common Issues

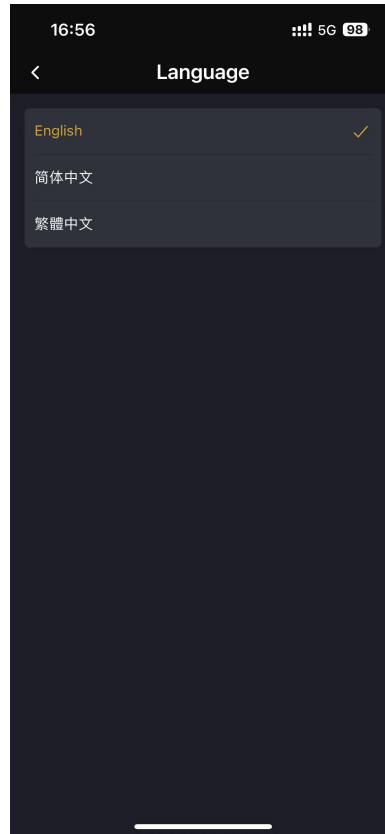
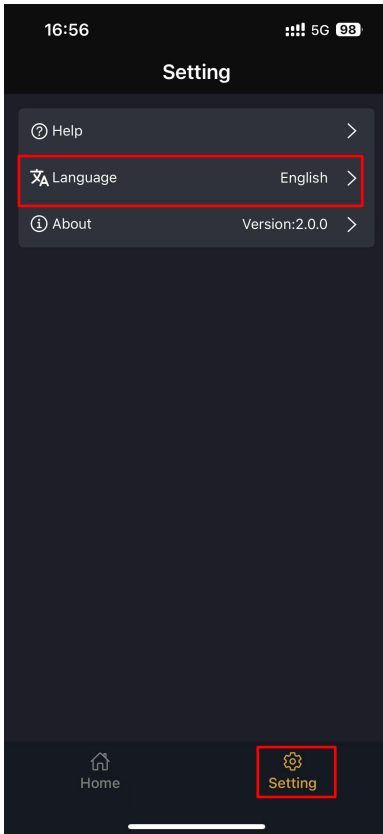
1、Click on the 【Settings】 button at the bottom navigation, then select 【FAQ】 to enter the Frequently Asked Questions page.

2、The Frequently Asked Questions page displays common issues encountered when using this app and their corresponding solutions.



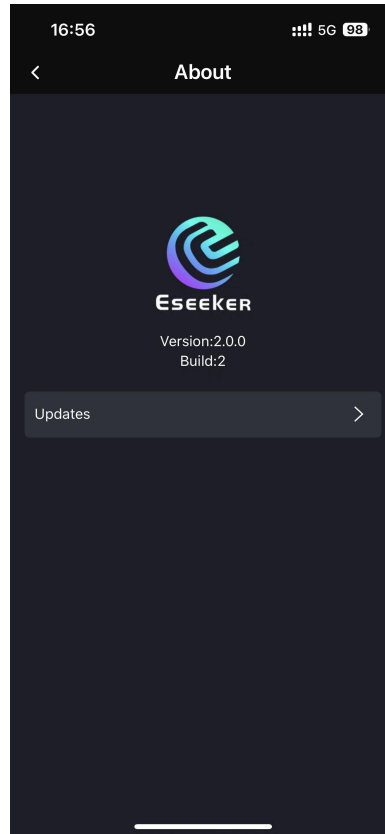
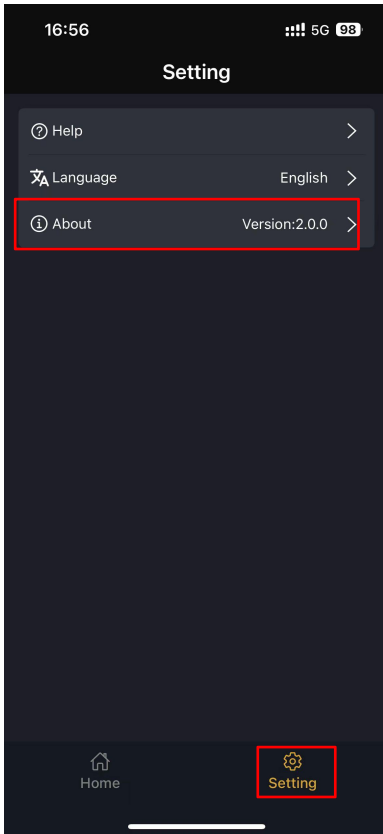
1.8. Language

- 1、Click on the **【Settings】** button at the bottom navigation, then select **【Multilingual】** to enter the language switching page.
- 2、The APP defaults to the phone's system language, currently supporting Simplified Chinese, English, and Traditional Chinese. You can directly switch the language displayed in the APP.



1.9.About

- 1、Click on the **【Settings】** button at the bottom navigation, then select **【About】** to enter the APP version management page.
- 2、The current version number of the APP is displayed on the version management page. By clicking on "Check for Updates," you can upgrade to a new version if available.



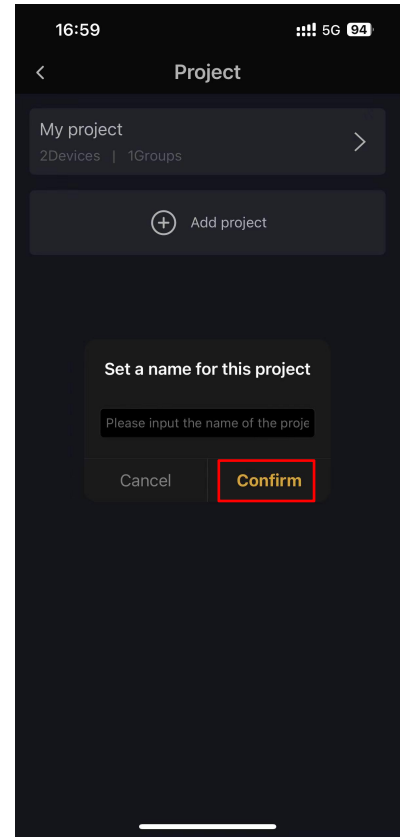
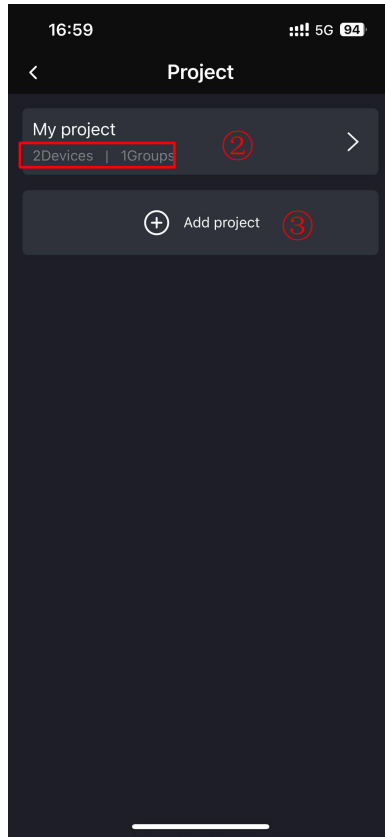
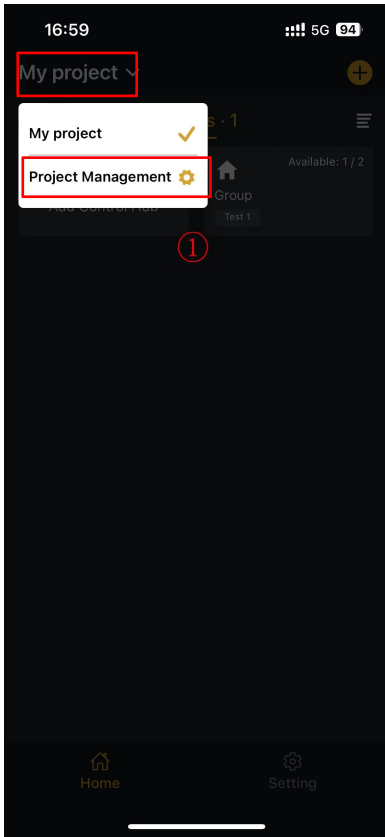
Chapter 5 Projects

1.10. Engineering Management

Function: Ability to Set Up Multiple Projects with Different Devices Attached to Each

Follow these steps:

- 1、 Click on 【My Projects】 at the top, then select 【Project Management】 to enter the project management page.
- 1、 The project management page displays a list of all the projects added to the APP, as well as the number of devices associated with each project.
- 2、 Click on 【Add Project】
- 4、 Enter the project name and complete the addition.



5、Clicking on 【My Projects】 at the top allows you to filter and select the added projects. You can add devices specific to each project.

