

SLAM GO Operating Instructions

Overview

Description

SLAM GO APP is a high-end supporting application specially built for SLAM200, realizing an efficient solution for lightweight mobile real-time viewing and processing of scan data. The app can connect to SLAM200 wirelessly, display 2D and 3D scan data in real time, and support real-time viewing of modeling models and its positioning. SLAM GO diverse functions will greatly improve user efficiency and convenience in real-world application scenarios, making it the preferred application for many professionals.

Device Environmental Requirements

Android 9.0 and above operating system.

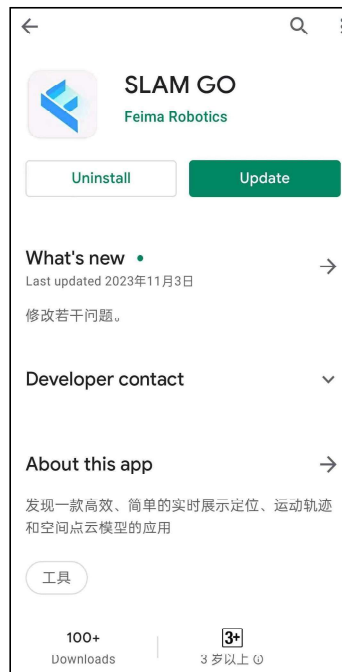
iPhone iOS12.0/iPad iPadOS12.0 or later version.

Installation Method
Download for Android: <http://ios.feimarobotics.com/3vu9>



IOS version download: Search for SLAM GO in the App Store to get it.

Google play store & Apple store.



Notice: (The interface style of the SLAM GO APP may vary with different versions of SLAM GO. The illustrations provided below might not match the actual interface of the SLAM GO you are currently using. Please refer to the latest version of the SLAM GO interface for accuracy.)

SLAM GO Registration and Login

Register Feima account

Register by Phone Number

Click User on the home page of the APP, click Register New User to enter the registration page, select the correct international area code (for example China's international area code is +86), fill in the correct cell phone number, and get the verification code. Enter the password, the password length should be no less than 6 digits. Check the 'I have read and agree to the user agreement, privacy policy' option at the bottom of the page, click Register. After registration, you can log in. This account can log in to all products of Feima once required.

Register by E-mail

Click User on the home page of the APP, click Register New User, click Email Registration, you can enter the email registration page, fill in the correct email address (example: xxx@ outlook.com), and get the verification code. Enter the password and confirm the password, the password length should be no less than 6 digits. Check the option of I have read and agree to the user agreement and privacy policy at the bottom of the page, click Register. After registration, you can log in. This account can log in to all products of Feima once required.

SLAM GO

Sign up FeimaRobotics

FeimaRobotics account can authorize and sign in to all FeimaRobotics products

+1 Phone number

Password

Confirm password

enter your code here [Send](#)

[Forget your password?](#) [Sign in](#)

Sign up

☐ I have read and agree to [《User Agreement》](#) [《Privacy Agreement》](#)

SLAM GO

Sign in FeimaRobotics

FeimaRobotics account can authorize and sign in to all FeimaRobotics products

+1 Phone number

Password

[Forget your password?](#) [Sign up](#)

Sign in

☐ I have read and agree to [《User Agreement》](#) [《Privacy Agreement》](#)

Phone/Email register

Login Account

Phone Number Login

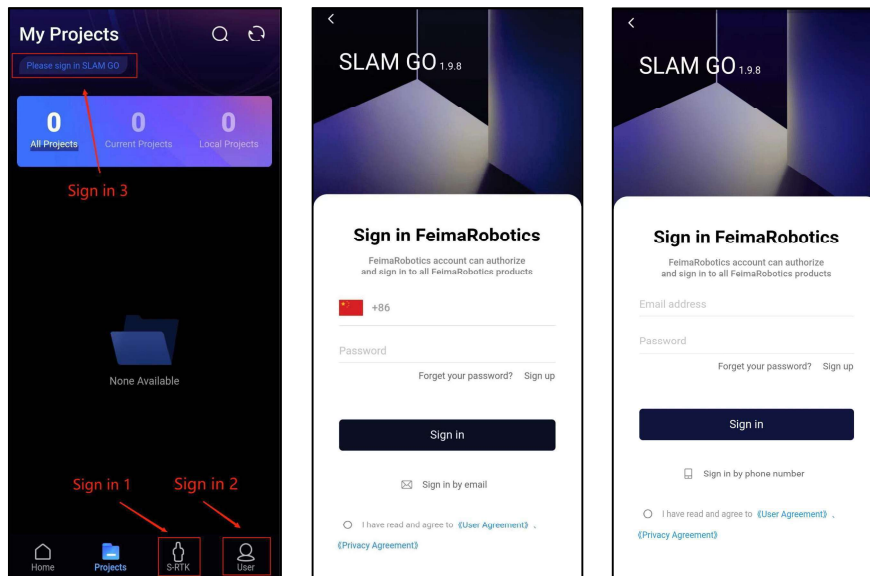
Open the SLAM GO APP, click User, select the correct international area code (e.g., China's international area code is +86), fill in your Feima cell phone account and password, check the I have read and agree to the user agreement, privacy policy option at the bottom of the page, and click Login.

E-mail Login

Open the SLAM GO APP, click User, click Email Login on the pop-up login page, fill in your Feima email account and password, check the I have read and agree to the user agreement, privacy policy box at the bottom of the page, and click click Login.

Other Login Entries: ①Click S-RTK on the main interface to log in. ② Click Project - My Project under Login to log in.

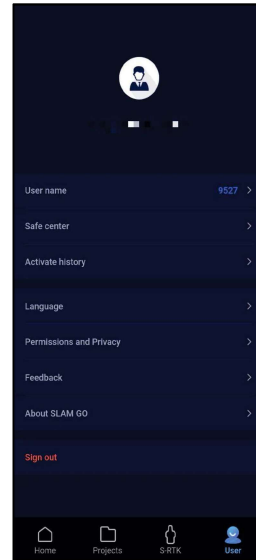
If you forget your password, you can reset it by going to the User interface and clicking the Security Center option, or go to Forgot your password. on the login page and follow the instructions to retrieve your password.



Personal Center

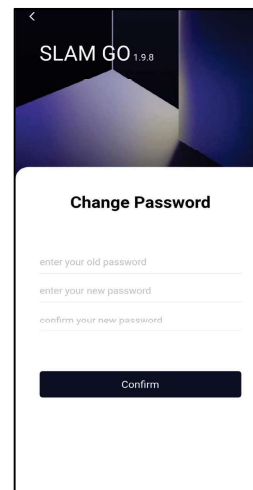
Personal Center - User includes user name and avatar display, modify user name, security center, activation request view, language setting, permissions and privacy settings, about SLAM GO, and sign out.

When you install SLAM GO for the first time, you need to click Personal Center - User to log in before you can use all the functions of the app.



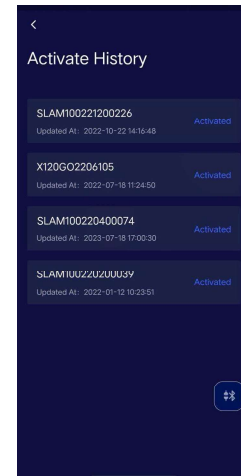
Change Login Password

Click on Safe Center – Change Password in the personal center, enter the old password, new password, and confirm the new password in the input box. Click Confirm to make the modification successful. The system will automatically log out of the current account. Please restart the software to log in.



Activation Request

Click on the Activation Application button in the personal center to view the activation history of all SLAM200 scanners under the current account.



Language Setting

SLAM GO supports multiple languages, including Chinese, English, Italian, German, French, Japanese, Korean, Arabic and so on.

Click on the **User - Language setting**, and in the Language pop-up window, you can select the language you want to switch (when SLAM GO is first started, the default language of the app is the current language of the system).



About SLAM GO

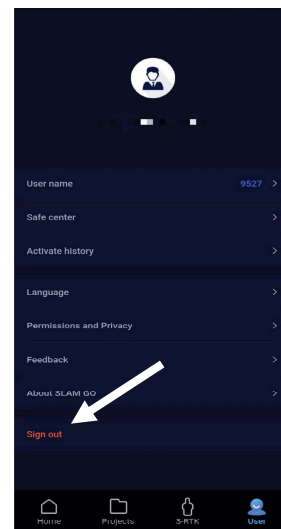
You can view the latest and current versions of the app, the copyright ownership of the app, and download and upgrade to the latest version.

Software Upgrade

When you enter SLAM GO home page or User - About SLAM GO, the app will automatically detect the version upgrade (need to connect to the Internet). If there is the latest version, the Upgrade Now button will be displayed at the bottom of the app home page or the About SLAM GO page. Click Upgrade now, SLAM GO will automatically download the latest installation package. Then click Install, the app will be upgraded to the latest version.

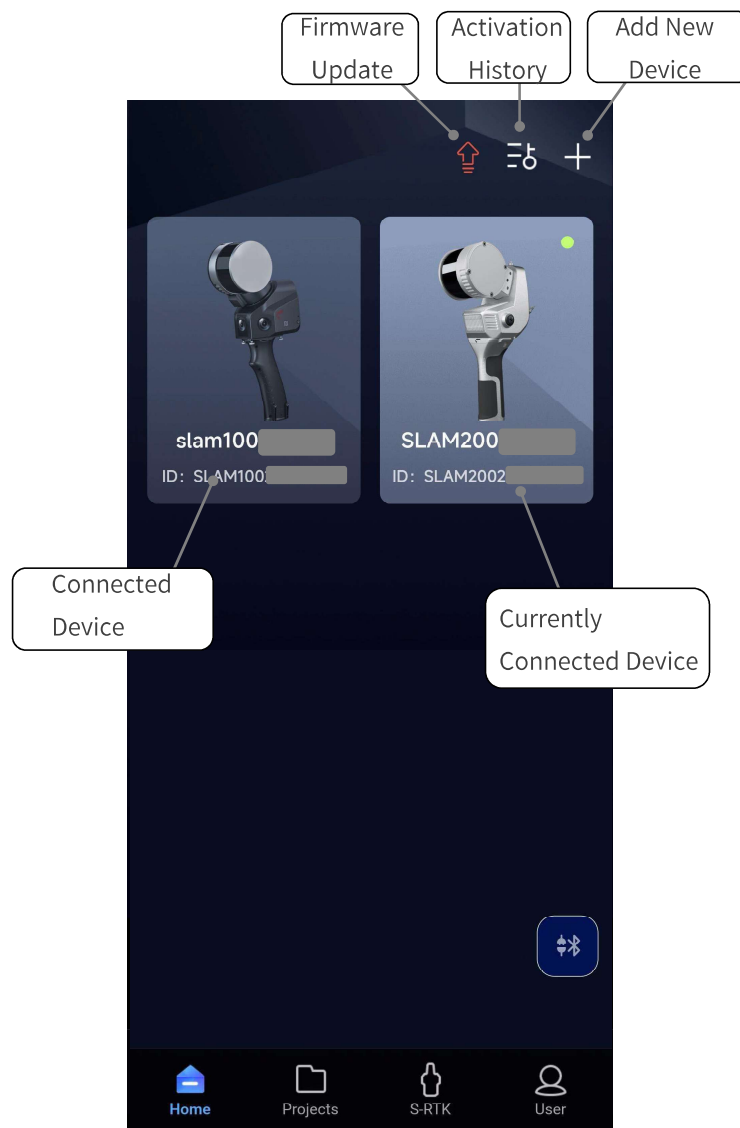
Exit Login

Click **Sign out** to log out of the currently logged in account and return to the login page.



APP Home Page

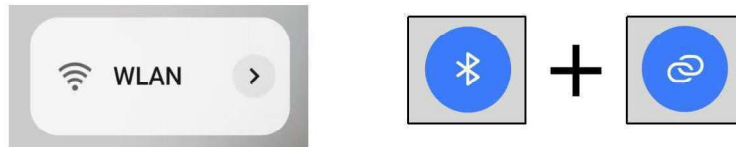
The home page includes connecting the SLAM200 scanner, activation history, searching for devices, scanning codes to connect devices, device types, currently connected devices, and historically connected devices.



Device Binding

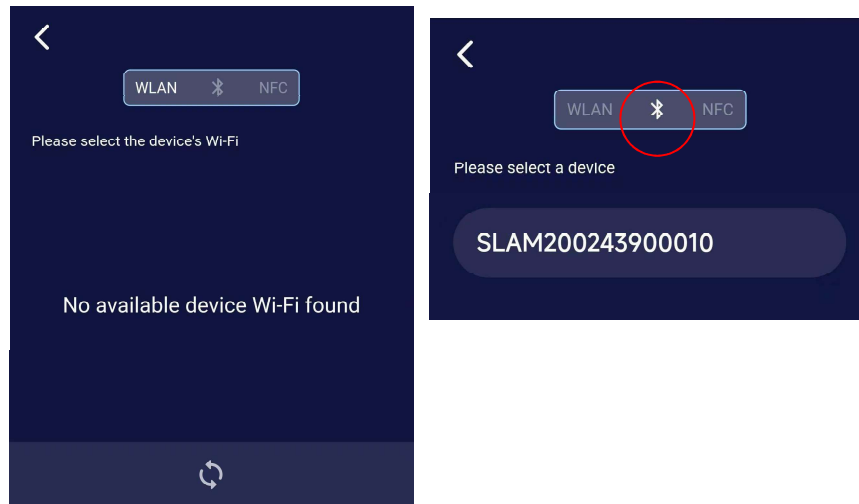
The SLAM200 connects and interacts with your phone through its "Hot spot." The specific steps are as follows:

1. Turn off your phone's Wi-Fi, then enable "Bluetooth" and "Hot spot."

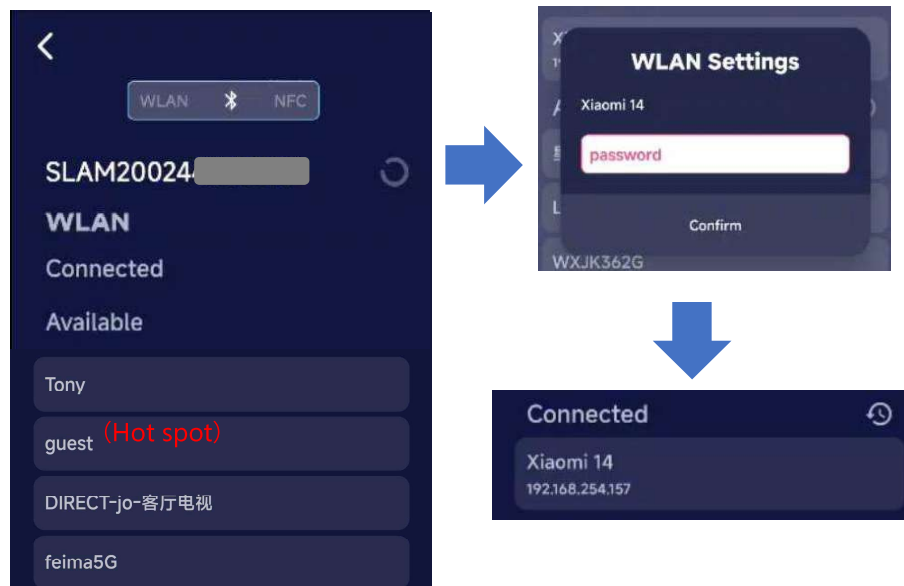


Power on the SLAM200. Open the SLAM GO APP home screen and tap "Bind Now" or "+" to add a new device.

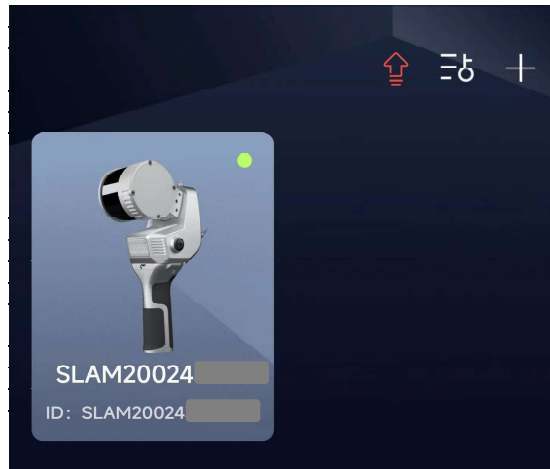
2. Swipe the interface to the left to the "Bluetooth" interaction section. The app will automatically detect the new device. Select and tap the device you want to bind.



3. After selecting the phone's "Hot spot" network and entering the correct "Hot spot" password, you will see that the device is connected.



4. After the device is successfully bound, the newly added device will be visible on the SLAM GO home screen.



Device Activation

The SLAM200 scanner must be activated through the SLAM GO APP. The activation process requires approval from Feima's customer service cloud before the device can be used.

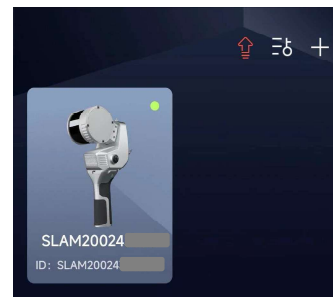
Unactivated SLAM200 scanners will automatically appear on the SLAM GO home screen.

Tap the scanner icon with a green dot in the top-right corner to open the activation information form. Fill in the required information and follow the steps below to successfully activate the device.

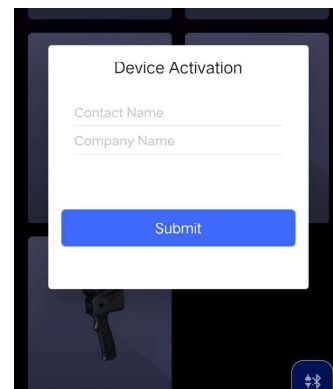
Before activating the SLAM200 scanner, please contact Feima's after-sales service in advance for online assistance with activation.

Activation Process

1. Use your phone's "Hot spot" to connect to the unactivated SLAM200 scanner. Once connected successfully, an online device with a green dot in the top-right corner will automatically appear on the home screen. (If the device does not appear, completely close the app and reopen it.) Tap the SLAM200 scanner device with the green dot.



2. When activating the device, ensure that the phone connected to the scanner has internet access with a stable signal. After tapping the device, the "Activate Device" page will pop up. Follow the prompts to fill in the contact name, phone number, and organization, then click the "Complete" button. The activation



request will automatically be sent to Feima's customer service. Further operations can only proceed after the customer service team approves the activation.

3. After the activation request is approved, ensure that your phone remains connected to the internet. Wait for approximately one minute for the activation information to automatically upload from the app to the server. If the message "Please connect to Wi-Fi" appears, it indicates that the SLAM200 scanner has been approved.
4. Once Feima customer service approves the activation, reopen the SLAM GO APP. When the message "Device activation approved" appears, tap "Confirm." Reconnect the SLAM200 scanner via "Hot spot" to complete the synchronization and activation process with the SLAM GO APP.

Activation Application Under Review

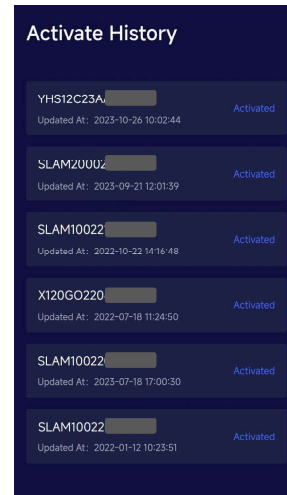
After completing the activation information, re-enter the APP later and connect to the SLAM200 scanner via "Hot spot." Tap the device with a green dot in the top-right corner, and a message saying "Activation application under review" will appear. Please wait for Feima customer service approval. If the message persists for an extended period, contact Feima after-sales support for further assistance.

Activation Application Rejected

If your activation application for the SLAM200 scanner is rejected, promptly contact Feima's official customer service and follow their guidance to reactivate the device.

Activation History

Tap "Activation History" in the top-right corner of the home screen to view the activation history and status of SLAM series devices.



Device Connection Status

Device Status - Connected Successfully

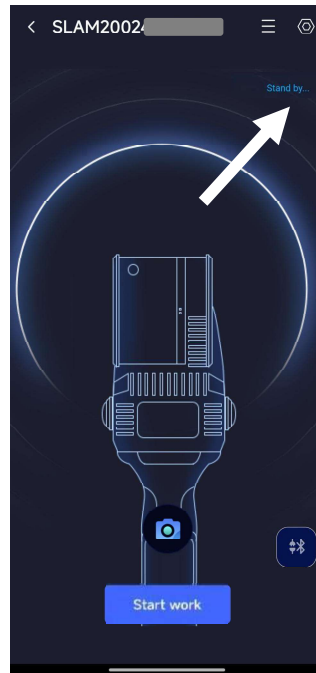
Connect the SLAM200 scanner via your phone's "Hot spot." Tap the online device with the green dot icon in the top-right corner of the APP page to enter the device operation page. A "Connected Successfully" message will appear, and the device will begin initialization.

Device Status - Initializing

After successfully connecting to the device, it will proceed with initialization. Once initialization is complete, the device will enter standby mode.

Device Status - Standby

After initialization, the device will enter standby mode, indicating it is not yet in operation.



Device Status - Connection Failed

If the device connection fails, please check the device connection status and troubleshoot step by step:

- ① Ensure that the SLAM200 is still connected to the phone's "Hot spot."
- ② Check if the SLAM200 status indicator light is solid green.
- ③ Exit the operation interface and return to the home screen. Check if the connected device icon in the top-right corner has a green dot.
- ④ Try completely closing the SLAM GO APP, clearing the app's background, then reopen the SLAM GO and attempt to reconnect to the SLAM200 device.

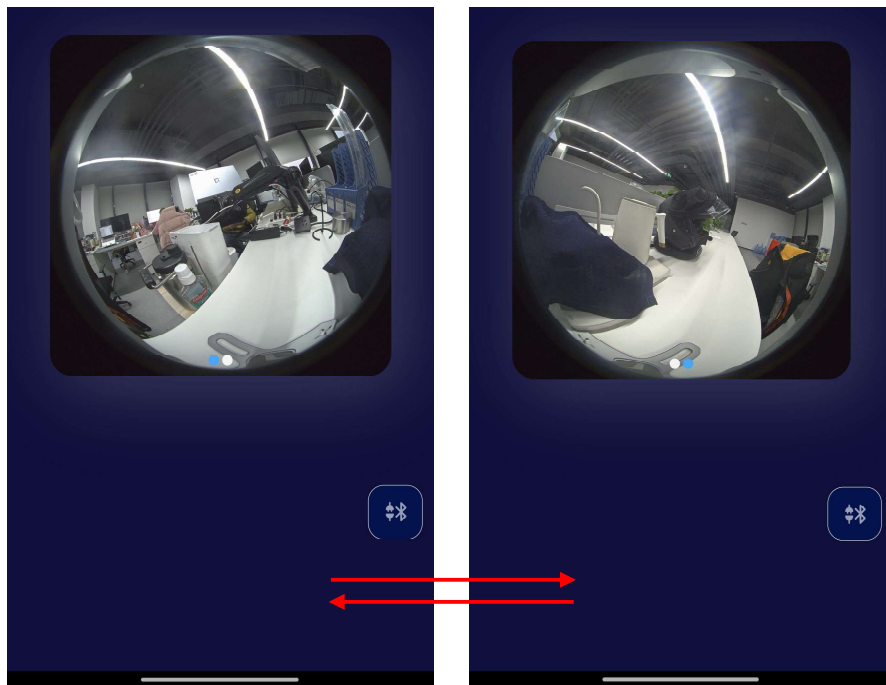
If after performing the above steps, you still encounter a connection failure when re-entering the device operation interface, please contact Feima after-sales support for further assistance.

Device Status - Out of Communication Range

When the SLAM GO APP disconnects from the SLAM200, the device status will show "Out of Communication Range." This may indicate that the SLAM200 is no longer connected to the phone's "Hot spot," or the distance between the phone and device is too far, causing weak or lost "Hot spot" signal.

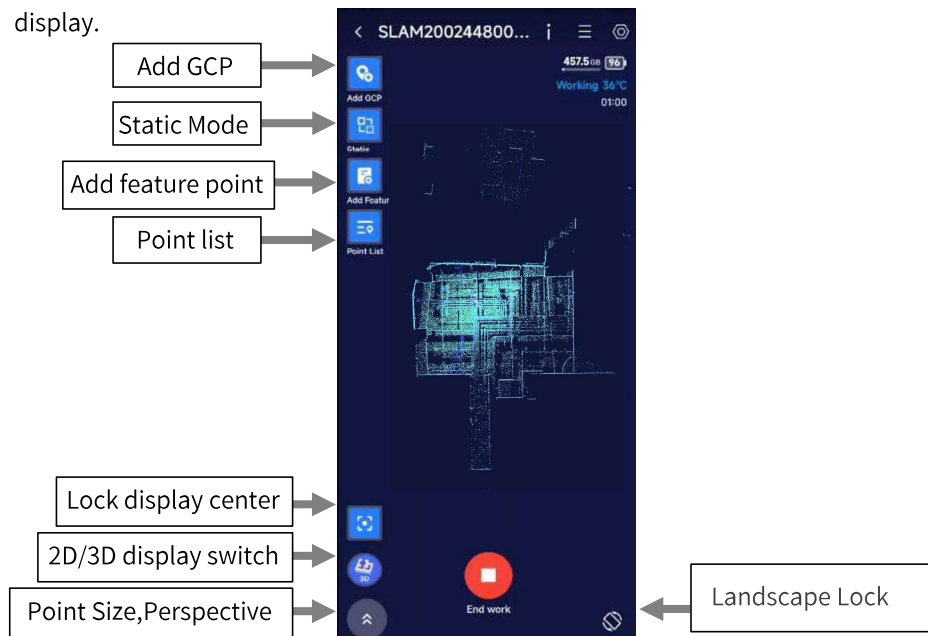
Standby Test Capture

When the device is in standby mode, ensure that the front camera of the SLAM200 is unobstructed. Tap the capture button at the bottom of the standby screen to perform a test capture and check the camera status. You can view the preview image taken by the camera in the preview interface.



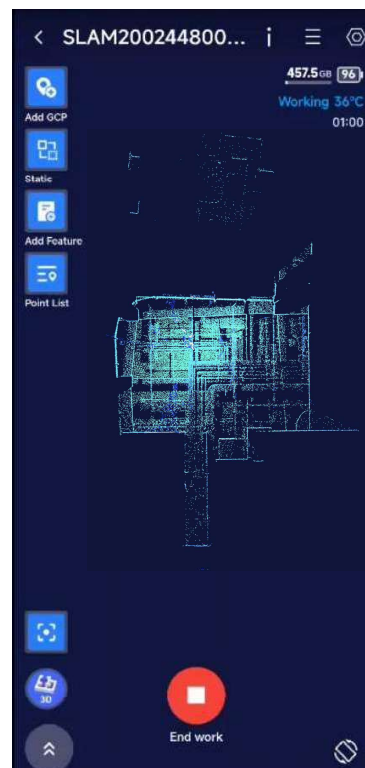
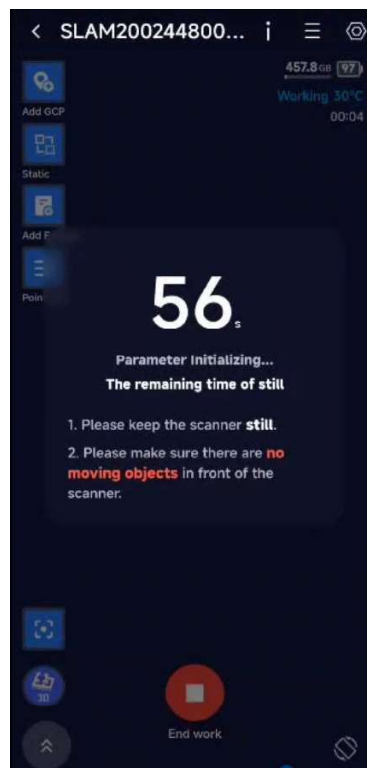
Device Operation

After connecting the SLAM200 via the SLAM GO APP, the app will enter the standby page. Press the power button on the SLAM200 briefly, and the system will automatically enter the operation page, beginning to display real-time laser scan data. The device operation interface includes features such as the device name, device information, settings, working duration, operating status, real-time display image, pitch angle control button, and the option to switch between 2D or 3D display.



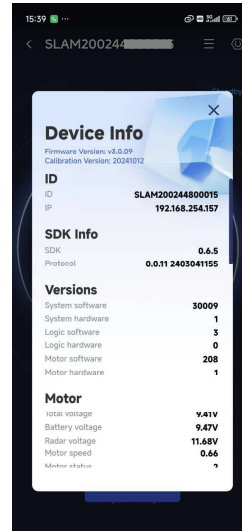
In Operation - Real-time 3D Scan Display

When the app is on the standby screen, briefly press the power button on the SLAM200 device to start the operation. The page will automatically switch to the 3D scan display interface.



In Operation - View SLAM200 Status Information

During operation, tap the "Device Information" button in the top-right corner of the work interface to view real-time status information of the SLAM200, including basic device status, motor status, error status, and disk information.

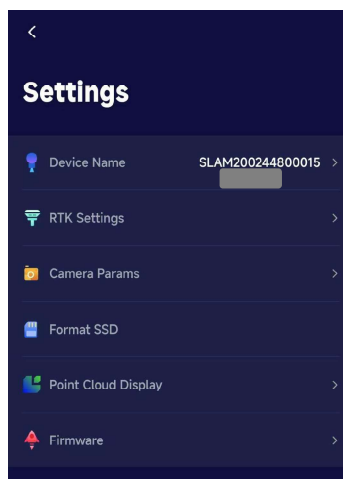


Control Point Collection Function

During operation, the user can click "Add Control Point" to record the current time of collection into the control point collection file.

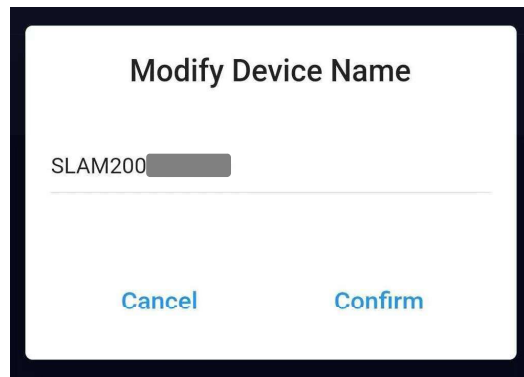
Settings

Tap the "Settings" button in the top-right corner of the work interface to enter the settings page, where you can adjust device name, RTK settings, camera parameters, and perform firmware upgrades.



Modify Device Name

Tap on the device name, and in the pop-up "Modify Device Name" dialog, enter the new name and click "Confirm" to change the device name.

A screenshot of a mobile application dialog box titled "Modify Device Name". The dialog has a white background and a dark border. At the top, the title "Modify Device Name" is centered in a bold, black font. Below the title, there is a text input field containing the text "SLAM200". The input field has a light gray border and a small gray rectangle at the end, indicating it is active. Below the input field, there are two buttons: "Cancel" on the left and "Confirm" on the right, both in a blue font.

RTK Settings

The SLAM200 device comes with an integrated RTK module. To enable this feature, the relevant parameters must be correctly set in this interface.
(Note: CORS account may need to be purchased separately; please consult your dealer for details.)

Camera Parameter Settings

- **【Color Camera】**

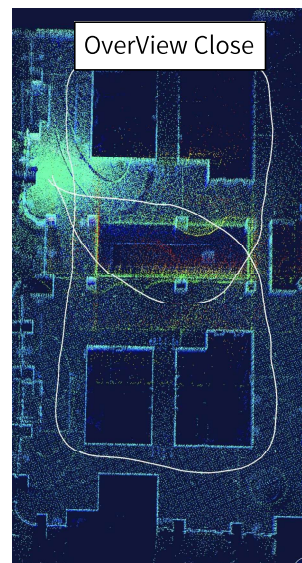
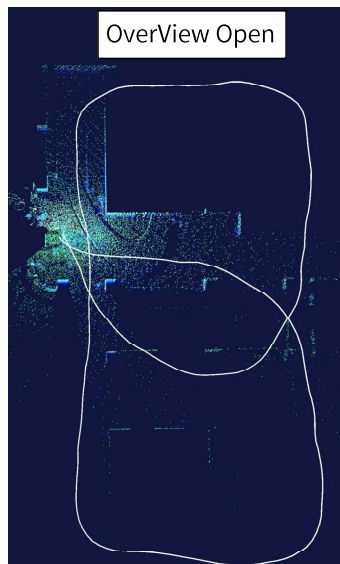
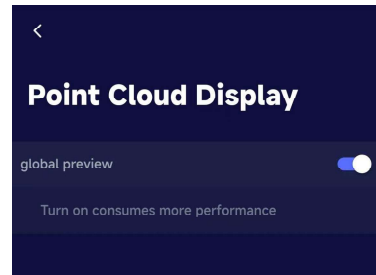
If point cloud coloring results are not required, you can turn off the "Color Camera" to significantly save storage space on the SLAM200.

- **【Anti-Flicker】**

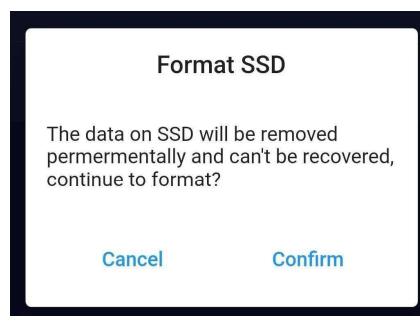
When using the camera under LED or other flickering light sources, exposure issues (such as fluctuating brightness) may occur. This is due to the camera's sampling frequency being similar to or the same as the flicker frequency of the light source. You can adjust the "Anti-Flicker" setting to offset the light source's flicker frequency and resolve this issue.

Point Cloud Display

When the global preview is turned off, the mobile app will only display a partial point cloud. When enabled, it will show the point cloud collected throughout the entire process.



Format SSD

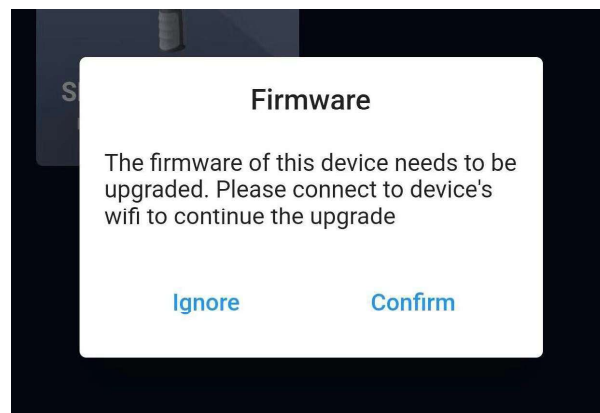


Firmware Update

A firmware update will optimize the performance of the firmware or device drivers, as well as optimize the performance of the processor or other device hardware. And firmware upgrades can also fix problems found with older versions.

➤ Automatic Firmware Upgrade Reminder

Each time you open the app and log in, the app will automatically detect the latest firmware version and the current local firmware version. If the latest firmware file is not downloaded locally, a pop-up window will be displayed on the home page to remind you to download the latest firmware so that you can directly update the firmware after connecting the device.



➤ Latest Firmware Download

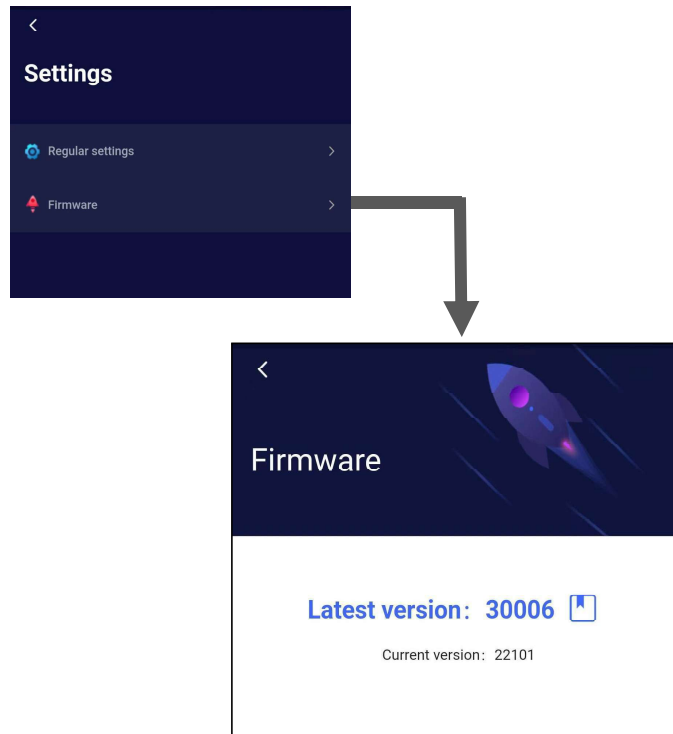
After the firmware upgrade in the pop-up window on the home page, click **Update** to jump to the firmware download window, click **Update** to start downloading, do not operate the phone at this time, wait for the download to

complete, click **Confirm** to exit the firmware upgrade window after the download is complete



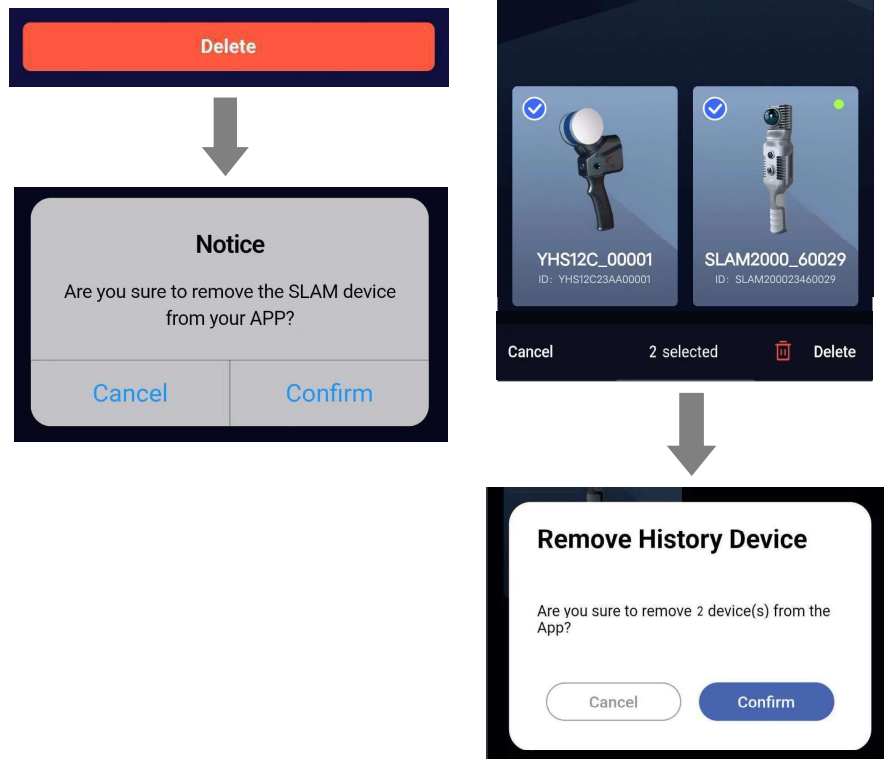
➤ **Transfers Firmware to SLAM200**

- ① If the SLAM200 is turned on at this time, please turn off the device. Then open the SLAM GO APP first and then turn on SLAM200, and proceed to the firmware upgrade procedure under the pop-up window prompts on the SLAM GO homepage.
- ② After the transmission is completed, click Confirm. At this time, please wait for 35 seconds and then manually restart the device, after restarting the device, pay attention to observe the device indicator light from the upgrade state to normal standby, this time the firmware update is successful, you can use the device normally.
- ③ You can check the setup page after the upgrade is successful.



Delete Device

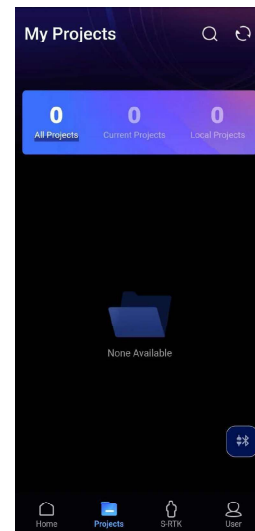
- When SLAMGO and SLAM200 are connected, enter the working page of the APP, click "Settings" to see the option of "Delete Device", through which you can delete the devices that don't need to appear on the home page.
 - Long press a SLAM200 device icon on the home page of the APP, you can check one or more devices that need to be deleted, and click the "Delete" button at the bottom right corner, and then click "Confirm" in the pop-up window, you can remove the checked devices on the home page.



Project Management

Project List

【My Projects】 page is divided into three project lists:



① Current Device

The projects of the current device are all the projects in the memory of the SLAM200 device that the APP is connecting to.

② Local Projects

The projects in the Local Projects list refer to the projects to be uploaded to the cloud, which are the projects that are acquired from the SLAM200 device to the local area of the cell phone but have not been uploaded to the cloud yet.

③ All projects

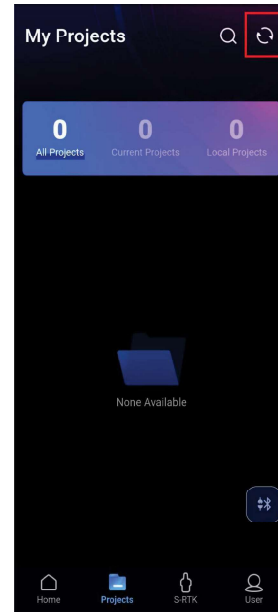
All projects include the current device projects, cloud projects, and local projects that have not been uploaded (projects that have been synchronized to APP from other SLAM200 devices but have not yet been uploaded to the cloud).

※ The app requires you to log in to your SLAM GO account to get the project list in the cloud platform and manage the projects.

Project Synchronization

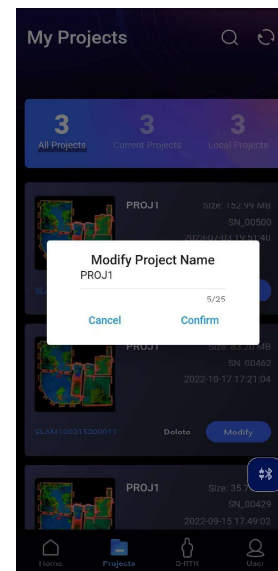
① Get Cloud Project List

After logging in to your SLAM GO account, click the "Synchronize" button in the upper right corner to get the list of all cloud projects



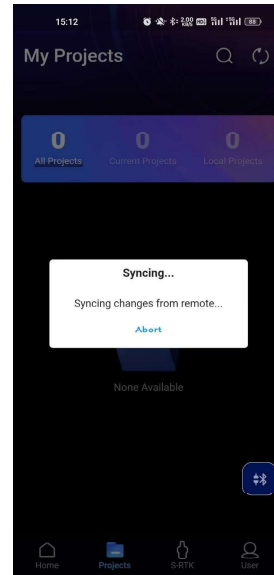
② Get the current SLAM200 device project

Open the SLAM GO APP, connect the SLAM200 device to WiFi, click "Home" to confirm that SLAM200 device has been successfully connected and the status is normal, click "Project" → click the upper right corner of the "Synchronization" button. Click the "Synchronize" button, then it will start to get the project of the SALM100 device and synchronize it to the local project of the APP, please wait patiently!



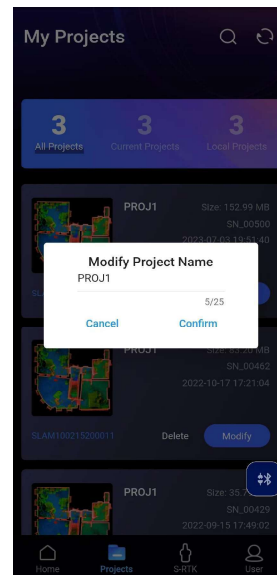
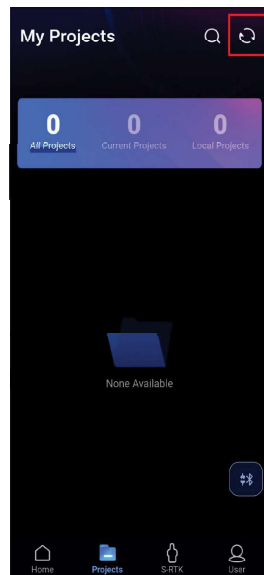
③ Synchronize SLAM200 device projects to the cloud

If you want to upload the project of the SLAM200 device to the cloud archive, you need to keep the APP connected to the Internet, click the "Synchronize" button in the upper right corner, and wait for the project to be uploaded to the cloud.



Project Search

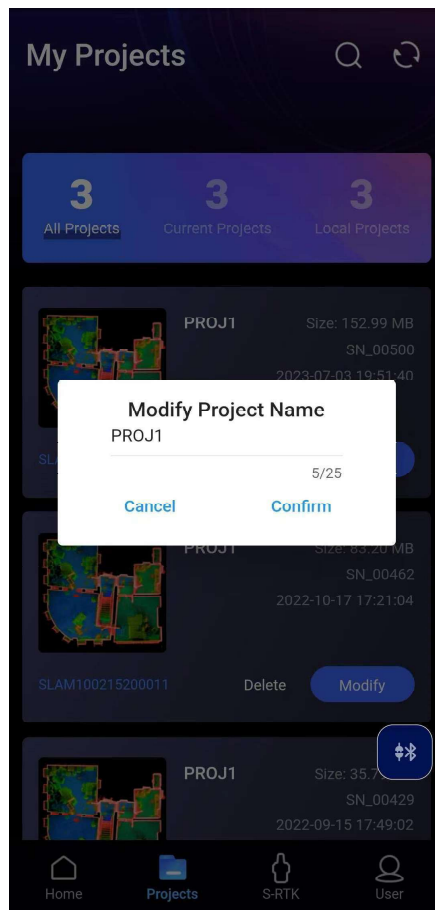
Click the "Search" button in the upper right corner, enter the trip number, project name, or project ID in the input box and click the "Confirm" button to complete the search.



Modify the Project Name

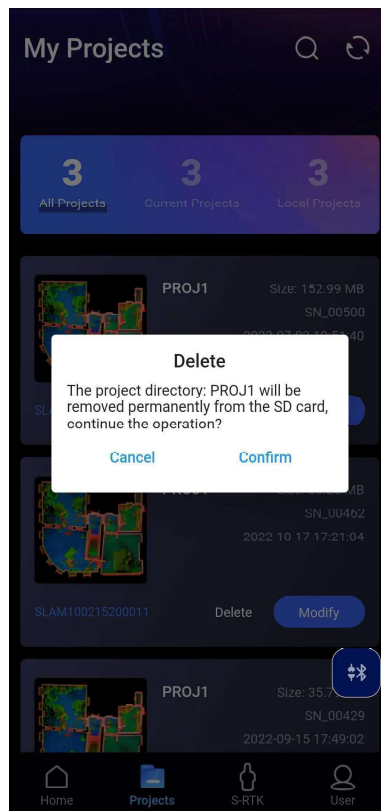
Click the **Modify** button in the item column that needs to be modified, enter the name to be modified, click the 'Confirm' button, and then click the button in the upper right corner to upload the modified item to the cloud to complete.

If you modify the project name when connecting to the SLAM200 device, the project name in the SD card of the device will be modified synchronously.



Project Deletion

Click the **Delete** button in the item column that needs to be deleted, click to confirm, and then click the button in the upper right corner to upload the deleted items to the cloud to complete..



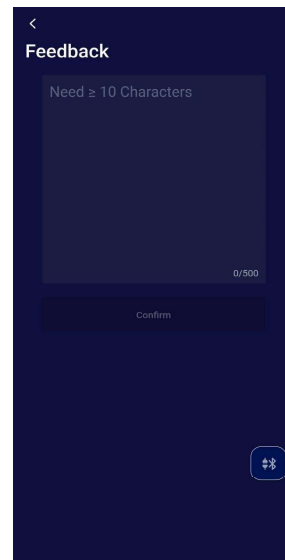
Diagnosis and Feedback

Feedback

The feedback function allows you to give feedback on problems, suggestions and comments you encountered while using the app.

Click **User** in the app, find the 'Feedback' button, click it to enter the feedback page. You can submit your questions and suggestions here and then click Confirm.

We welcome all feedback and suggestions and will review and respond as soon as possible.



The screenshot shows a mobile app interface for a feedback form. At the top, there is a back arrow and the title 'Feedback'. Below the title is a text input field with a placeholder 'Need ≥ 10 Characters' and a character count '0/500'. At the bottom of the form is a 'Confirm' button. In the bottom right corner of the screen, there is a small circular button with a plus sign and a gear icon.

Log File Upload/Export Log

When you encounter problems with the app, you can use the log upload function. The log upload function can help us collect the problem log information of the app so that we can check the defects and problems of the app as soon as possible.

Keep the app connected to the internet, click **User** in the app, find the **Safe center** button, click the **Upload Log** button and confirm in the pop-up window, wait for the upload to finish, then the log upload will be complete.

The **Export Log** feature allows you to save application logs in your local storage so that you can send them to the Feima support team to help us better understand application issues. To use this feature, you just need to click the **Export log** button, then the app will export the log information and save it in your phone's local storage, the export path is:
/storage/emulated/0/Download/SLAMGO/Log/xxxxxx.zip.

