

AIMapper Software Mobile User Manual

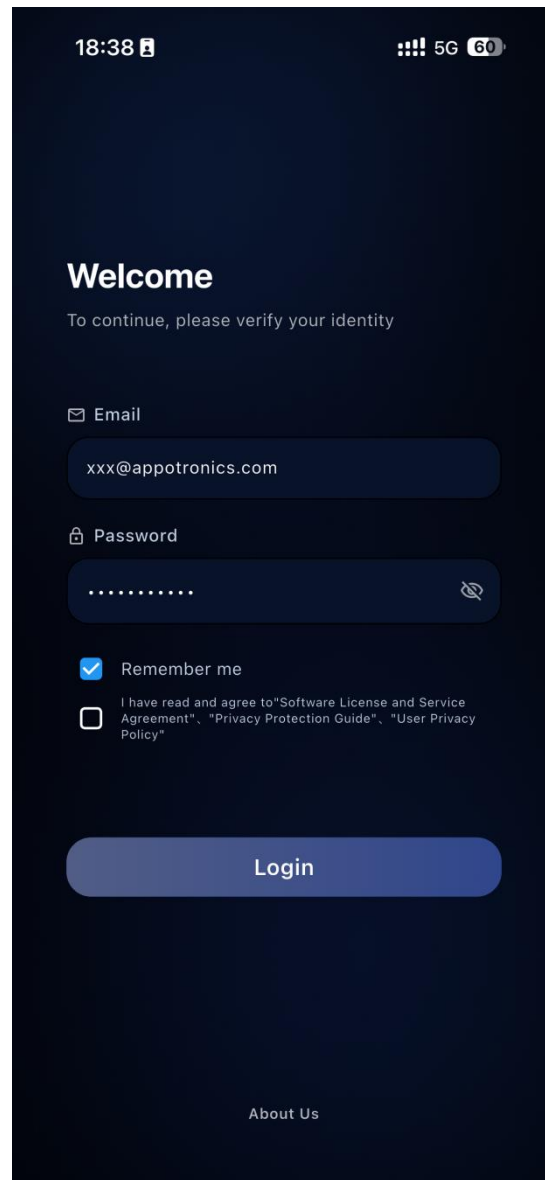
Preface

Welcome to the AIMapper mobile app (hereinafter referred to as "this App"). This manual provides a comprehensive guide to all its features, operational procedures, and key considerations, enabling you to quickly master essential tasks such as image acquisition and project management, and efficiently complete 3D Mapping tasks. The app features intuitive operations and requires no technical expertise—just follow the manual's instructions to get started effortlessly.

Note: The language of this app automatically follows your phone's system language. If your phone's system language is not in the app's language library, English will be displayed by default.

Chapter 1 Account Registration and Login

1.1 Account Login

A mobile application login screen with a dark blue background. At the top, the status bar shows the time 18:38, signal strength, 5G, and 60% battery. The main heading is "Welcome" in white, followed by the instruction "To continue, please verify your identity". Below this are two input fields: "Email" with the placeholder "xxx@appotronics.com" and "Password" with a masked password "....." and an eye icon. There is a "Remember me" checkbox which is checked, and a checkbox for terms and conditions. A large blue "Login" button is centered below the inputs. At the bottom, there is a link "About Us".

18:38 5G 60

Welcome

To continue, please verify your identity

Email

xxx@appotronics.com

Password

.....

☒ Remember me

☐ I have read and agree to "Software License and Service Agreement", "Privacy Protection Guide", "User Privacy Policy"

Login

About Us

The login page is the only entry point to use this app. You must enter the correct account information to complete verification. The steps are as follows:

1. Enter your registered email address and corresponding password. During entry:

- If the password is entered incorrectly, the password input field will be highlighted in red with a toast message displaying: "Password incorrect. Try again."

- If the entered email address is not registered, a toast message will appear stating [Account does not exist. Try again];

-If the password is entered correctly, the password input field will display a green indicator.

2. Check the boxes for [I have read and agree to the Software License Agreement, Service Agreement, Privacy Protection Agreement, and User Privacy Policy]. Selecting these boxes will unlock the login button (if unchecked, the button remains disabled even with correct account password verification).

3. (Optional) Check [Remember Password]. The password will be automatically filled in the next time you enter this email address, eliminating the need to re-enter it.

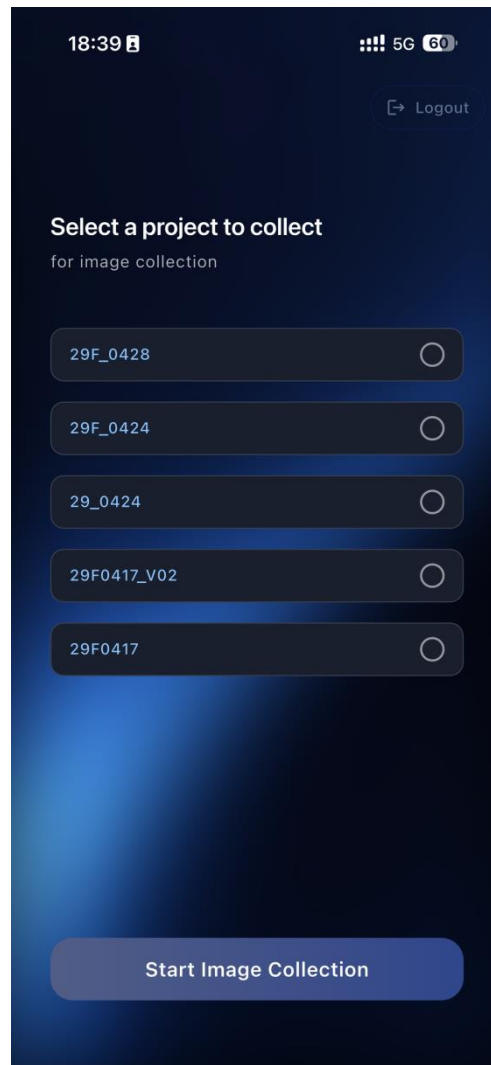
4. Click the [Login] button; the page will display the message [logging in...] and wait for the login verification to complete.

5. After successful login, you will be automatically redirected to the [Project Selection] page; if login fails, a corresponding Toast notification will appear based on the failure reason, requiring you to verify your account information and try again.

Supplement: Click [About Us] on the login page to directly access the About Us page and view relevant app information.

Chapter 2: Core Function Operation Guide

2.1 Project Management



After successful login, you will be directed to the [Project Selection] page in Project Management, which is primarily used to select projects requiring image acquisition. The specific steps are as follows:

1. The page displays all items stored in the cloud under the current logged-in account, supporting single-selection operation with the first item in the list automatically selected by default.
2. If no projects exist under the current account, the page will display [Please create a project via the PC client]. Subsequent image acquisition operations cannot be performed at this stage; project creation must first be completed through the PC client.
3. Click the [Exit] button on the page to return directly to the login page and log out of your current account.

4. After selecting the target project, click the [Start Image Acquisition] button, which will trigger one of the following two scenarios:

-If the project on the PC has entered the image acquisition process, it will directly redirect to the camera page to initiate image acquisition.

-If the project has not entered the image acquisition process on the PC, a pop-up window will appear stating [Please open this project on the client and proceed to the image acquisition process]. After confirming via the pop-up, you must first complete the operation on the PC before returning to the mobile device to try again.

5. Special Note: If this is your first time entering the image acquisition process of this project, a pop-up guide will automatically appear to walk you through the basic steps. Follow the instructions to quickly familiarize yourself with the procedure.

Exception Handling: After clicking [Start Image Acquisition], if the [Connection Failed] pop-up appears, it indicates a communication failure between the mobile app and the PC or cloud. Click the [Reconnect] button in the pop-up to retry the connection; upon successful connection, you will be directed to the camera page. Click the "×" button in the pop-up to return to the project selection page, where you can select a different project or check the network/PC status.

2.2 Image Acquisition

The camera page is the core interface for image acquisition, supporting camera control, status viewing, and image capture. All operations must be performed when the page displays the "Ready" status. The specific procedures are as follows:

2.2.1 Check connection status

The top of the camera page displays the current connection status, with each status corresponding to different operation permissions. Details are as follows:

-Ready: The image acquisition function is currently operating normally, enabling all operations such as shooting and parameter adjustment.

-Preparing: The image acquisition function is currently unavailable. No manual user intervention is required; simply wait for the system to automatically return to the "Ready" status.

-Connection failed: The image acquisition function is unavailable. This may occur due to communication failures between the mobile app and the PC or between the mobile app and the cloud. Check the network connection or the PC status, then try reconnecting.

Note: You cannot perform shooting operations when the page is in the [Preparing] or [Connection failed] status, or during data collection. The shoot button will be grayed out and locked.

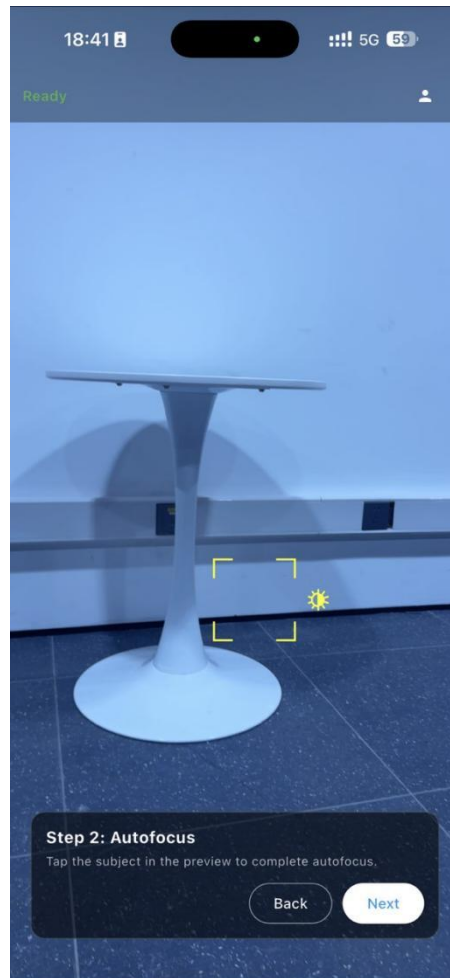
2.2.2 Initialization Process

During the initialization process, if automatic exposure calibration is not completed, the projector will display a white test image.

The first step is to adjust the shutter speed and projection brightness. If the captured image is overexposed, adjust the shutter speed to 1/240 second and reduce the projection brightness.



The second step is autofocus. Click the subject in the frame to automatically complete focus and exposure calculations.



2.2.3 Image Acquisition Procedure

1. Place your phone on a sturdy tripod to prevent screen vibration from causing modeling failure



2. Ensure the camera page is in the "Ready" state; tapping anywhere on the screen enables autofocus and auto-exposure operations to ensure clear image capture. The imaging device supports multiple image captures—maintain the model in the primary position within the view, ensuring coverage of all object surfaces. It is recommended to capture at least one image from the

viewer's main perspective.

3. Click the camera button at the bottom of the page to start image capture. A 10-second countdown will then appear; time-lapse shooting prevents accidental impacts on the phone when pressing the start button.
4. Upon completion of the collection, a pop-up window will automatically appear to play the recently recorded video and guide subsequent operations based on the collection results (see Section 2.3 for details).

2.2.4 Personal Center Entrance

Click the Personal Center icon in the upper-right corner of the Camera page to enter the Personal Center page. There, you can view your current logged-in account, the name of the task you're working on, and your mobile device information—all without leaving the Camera page.

2.2.5 View in Personal Center

Click the Personal Center icon in the upper-right corner of the Camera page to enter the Personal Center page. The page displays three core pieces of information, which are automatically synchronized without manual intervention:

-Login Account: Shows the currently logged-in email account and confirms the current login identity;

-Project Name: Displays the name of the current image acquisition project for easy identification of the target operation;

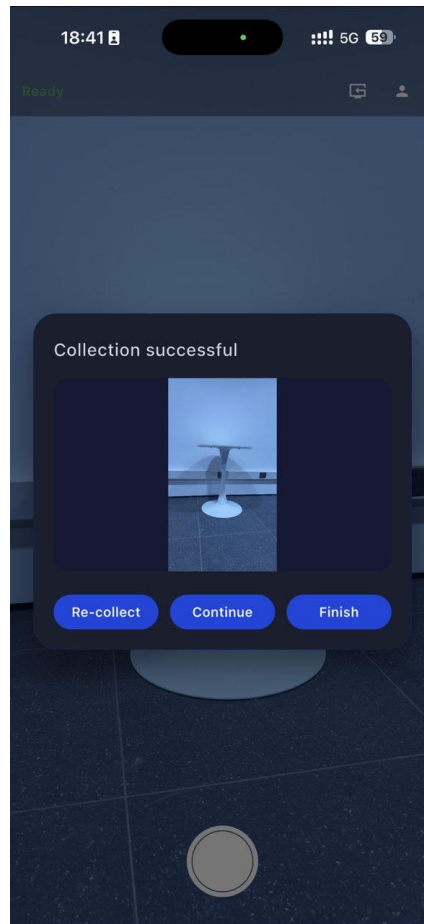
-Device Information: Displays details of the currently used mobile device for troubleshooting and technical support.

2.3 Post-collecting operations (pop-up window operations)

Upon completion of image acquisition, a pop-up window will automatically appear (the window

can only be closed by clicking the button on it; clicking the "×" icon or any area outside the window does not close it). The outcome is categorized as either "Acquisition Successful" or "Acquisition Failed." The specific procedure is as follows:

2.3.1 Success Collection Pop-up Window



The pop-up window will play the recorded video and display three action buttons for selection as needed:

-Re-capture: This action does not save the current capture. Clicking it returns directly to the camera interface, allowing you to resume image capture.

-Continue sampling: Save the current collection. Click to return to the camera interface and proceed with the next image capture.

-Complete Sampling: Save the collected data and conclude all sampling operations. Click to return to the project selection page, where you can choose another project or log out.

2.3.2 Collection Failure Pop-up

If the data acquisition and decoding fail, a failure pop-up window will appear with a [Repeat Operation] button. Clicking this button will not save the current acquisition data; instead, you will return directly to the camera interface to resume image capture.

Chapter 3 About Us

From the login page or other pages, navigate to the [About Us] page to view the app version, user guidelines, relevant terms of service, and perform version updates. The steps are as follows:

-Version Check: The current app version number will appear at the top of the page to confirm whether it is the latest version.

-Function Introduction: Click [Function Introduction] to navigate to the App Operation Guide page and view detailed instructions for each feature.

-Agreement View: Click [Software License and Service Agreement], [Privacy Protection Guide], or [User Privacy Policy] to navigate to the respective pages and view the full agreement content.

-Software Update: Click the [Software Update] button to trigger version detection:

-If this is the latest version, a pop-up will display: "The current app is the latest version."

-If the current version is not the latest, a pop-up will appear stating, "A new version of the software has been detected. Confirm whether to update." Clicking [Close] will prevent the update, while clicking [Update] will initiate the download and installation of the new version. After installation, the app will restart automatically.

Chapter 4 Common Questions and Precautions

4.1 Frequently Asked Questions

1. Q: What should I do if I receive an "Account does not exist" message during login?

Answer: Please confirm that the entered email address is the same one used during registration. If not registered, complete account registration on the PC client first before logging into the mobile app.

2. Q: After clicking [Start Image Acquisition], a pop-up message appears stating, "Please open this project on the client and proceed with the image acquisition process"?

Answer: First, open the project on the PC client and initiate the image acquisition process. Then return to the mobile app and click [Start Image Acquisition].

3. Q: What should I do if the camera page displays "Connection failed" and I cannot capture an image?

Answer: Check if the mobile network connection is stable, ensure the PC is online and has entered the image acquisition process for the corresponding project, then click the [Reconnect] button in the pop-up window to try again. If the attempt still fails, restart the mobile app or the PC client.

4. Q: What should I do if the pop-up window cannot close after image acquisition?

Answer: The pop-up can only be closed by clicking the button on it; clicking the "x" or any area outside the pop-up does not close it. Select the appropriate action button to close the pop-up.

5. Q: What should I do if the app language display is abnormal?

Answer: The app language automatically follows your phone's system language. If English appears, it means your phone's system language is not in the app's language library—this is normal and does not affect functionality.

6. Q: What should I do if I forget my password?

Answer: Return to the login page and contact the administrator to reset your password (the current mobile version does not support password recovery independently; this must be done via the PC client or by an administrator).

4.2 Precautions

-When using this app for image capture, ensure your phone has enabled camera, storage, and network permissions; otherwise, image capture will not function properly.

During image acquisition, maintain stable positioning of the mobile device to avoid shaking, ensuring clear image quality and minimizing the probability of failed acquisition.

-After selecting [Remember Password], the password will be automatically saved on your phone.

It is recommended to use this feature on a personal device to prevent account information leakage.

If you do not use the app for an extended period, the connection may time out. Log in again or try reconnecting.

-Regularly check for app version updates and promptly install the latest version to enhance user experience and feature support.

The captured images will be automatically synchronized to the corresponding cloud project without manual saving. If the capture fails, the data will not be saved and must be re-captured.

Chapter 5: Contact Support

If you encounter unresolved issues during use, contact technical support for professional assistance:

Contact number: 0755 32950000 #8000

Contact Address: Appotronics Headquarters Tower, No. 8, Xiandong Road, Nanshan District, Shenzhen, Guangdong, China

Email: globalmarketing@appotronics.com