

# User Guide

**Set up IDloop's CFS to capture fingerprints with the  
Eval Capture App**

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## Introduction

Welcome to the IDloop User Guide. Here you will find all the essential information to use the IDloop CFS for user testing.

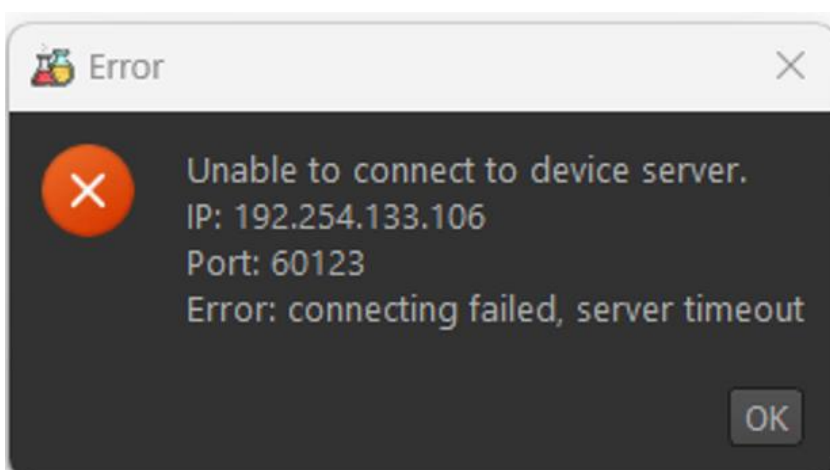
To test the IDloop CFS prototype, you will need the DEMO App provided by us (aka Eval Capture App). Instructions on how to set it up, on how to activate and configure the “Live View” mode can be found in our User Guide.

## Startup

To get started with the setup, make sure to **download the Eval Capture App** and have an **ethernet cable** ready.

When you **connect** the device **to the power supply**, please **wait** until a **signal tone** sounds before starting the Eval Capture App. The signal tone indicates a successful start-up process, and that the device can then be used with your control PC and the "Eval Capture App".

When you connect the IDloop CFS to your computer using an ethernet cable and launch the Eval Capture App for the **first time**, you will see the following error message:

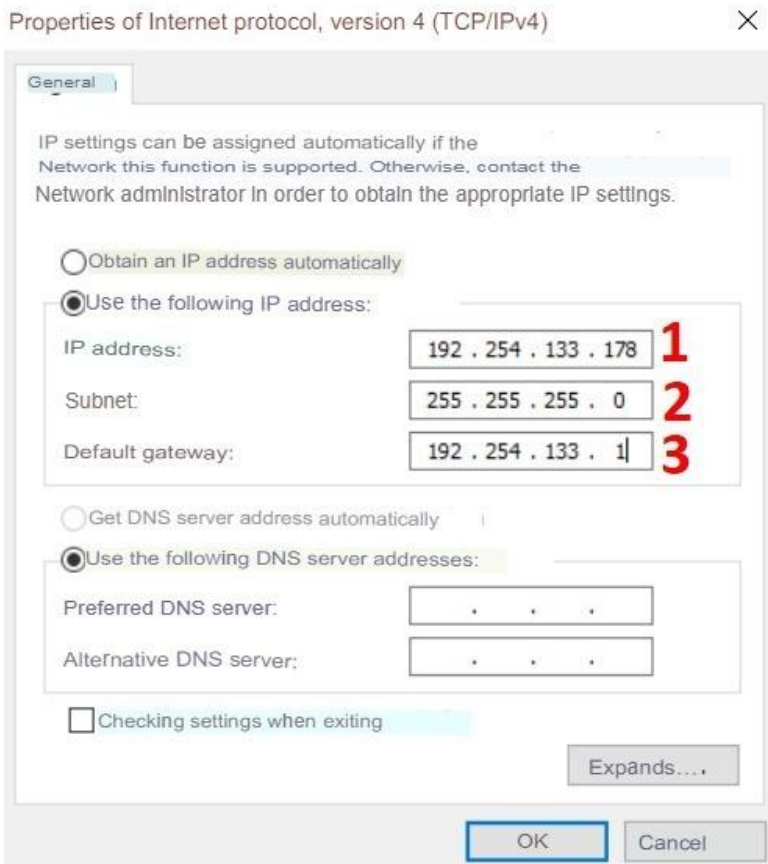


This means that you haven't set a static IP address for your network adapter.

Here is a brief guide for setting a static IP on Windows 10/11:

- Open Control Panel.
- Go to Network and Internet > Network and Sharing Center > Change adapter settings.
- Right-click on your ethernet connection and choose Properties.
- In the properties window, select Internet Protocol Version 4 (TCP/IPv4) and click Properties.
- In the next window, select Use the following IP address.
- Enter the details:
  - IP address: 192.254.133.178
  - Subnet Mask: 255.255.255.0
  - Default gateway: 192.254.133.1
- Click “OK” to confirm and then “Close” to exit.
- **Restart** your connection or computer to apply the changes.

We **recommend** you check that all settings are adjusted as needed based on your network requirements.



Properties of Internet protocol, version 4 (TCP/IPv4) ×

General

IP settings can be assigned automatically if the Network this function is supported. Otherwise, contact the Network administrator in order to obtain the appropriate IP settings.

Obtain an IP address automatically

Use the following IP address:

IP address: 192 . 254 . 133 . 178 **1**

Subnet: 255 . 255 . 255 . 0 **2**

Default gateway: 192 . 254 . 133 . 1 **3**

Get DNS server address automatically

Use the following DNS server addresses:

Preferred DNS server: . . .

Alternative DNS server: . . .

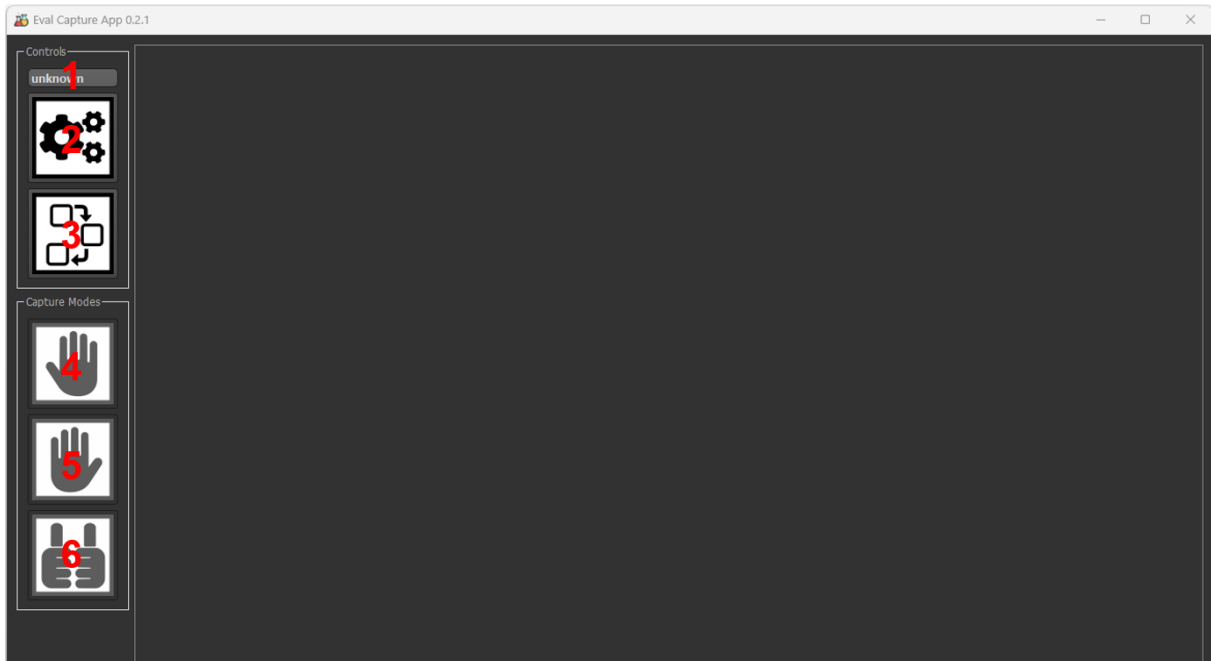
Checking settings when exiting

Expands...

OK Cancel

## Main Window

After installing and starting the Eval Capture App (Setup\_EvalCaptureApp\_x64\_v0.2.1.exe), the following can be seen in the main menu of the App:



- 1: Entry field for main folder of data storage
- 2: Button to open the "Settings"
- 3: Button to start/stop of fingerprint capture workflow**

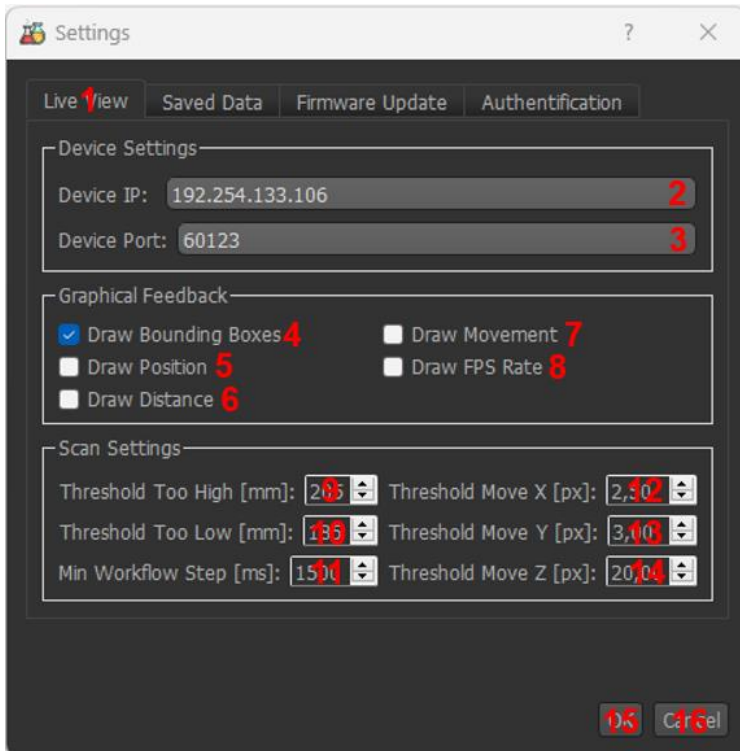
These are not buttons:

- 4: Capture right hand by auto-capture (also manual capture by clicking the button)
- 5: Capture left hand by auto-capture (also manual capture by clicking the button)
- 6: Capture two thumbs by auto-capture (also manual capture by clicking the button)

## Settings

### Live View

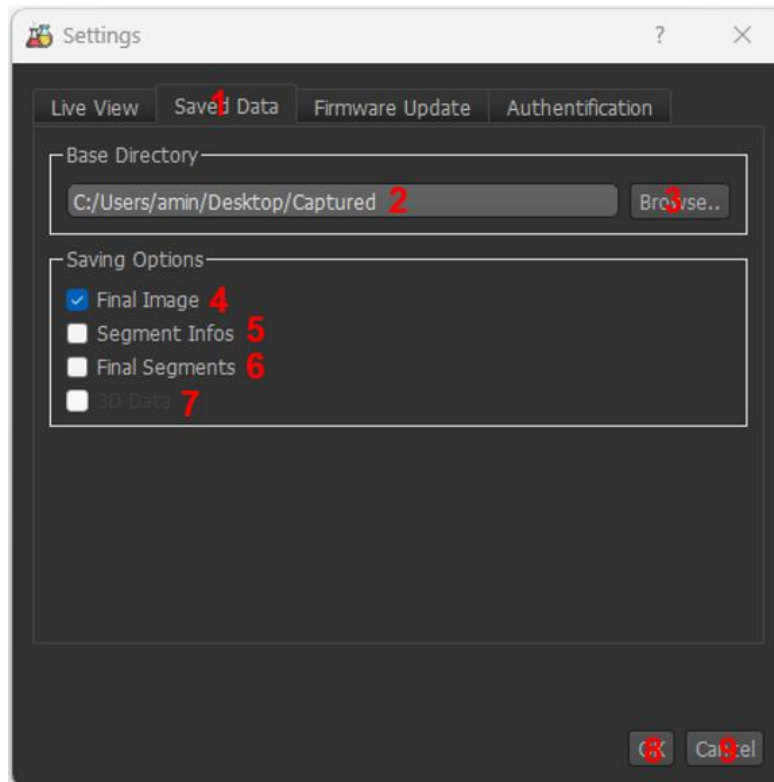
If you open the settings menu in the Eval Capture App, you will see this window:



- 1: Tab for Live View Settings
- 2: Device IP for connection
- 3: Device port for connection
- 4: Bounding boxes shown in preview mode during fingerprint capturing
- 5: Position information shown in preview mode during fingerprint capturing
- 6: Distance information shown in preview mode during fingerprint capturing
- 7: Movement information shown in preview mode during fingerprint capturing
- 8: Frame rate shown in preview mode during fingerprint capturing
- 9: Feedback threshold - fingers above scan area
- 10: Feedback threshold - fingers below scan area
- 11: Minimum wait time between two Workflow steps
- 12: Threshold for motion tracking in x direction in pixels
- 13: Threshold for motion tracking in y direction in pixels
- 14: Threshold for motion tracking in z direction in pixels
- 15: close window and save changes
- 16: close window without saving changes

## Saved Data

Here you can adjust settings for the location and kind of data you want to save:



- 1: Tab for Saved Data Settings
- 2: base directory of the data
- 4: request and save the final image
- 5: request and save segment information
- 6: extract and save final segments
- 7: request and save 3d information (currently not supported in this version)
- 8: close window and save changes
- 9: close window without saving changes

### Directory Structure:

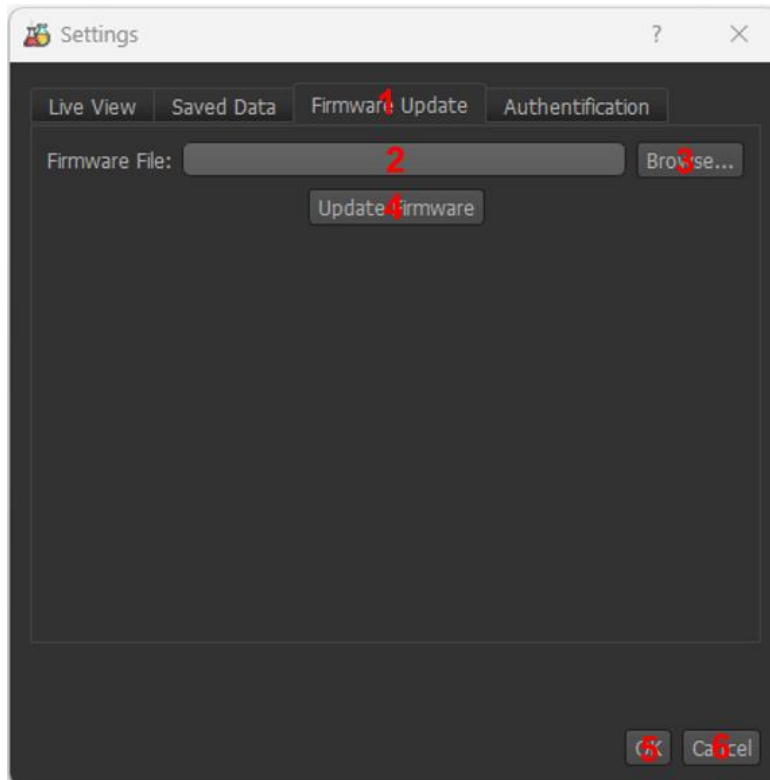
[BaseDirectory]/[ControlsName]/[Timestamp]/[WorkflowStep]/...

Example with the settings selected in the pictures:

- C:/User/admin/Desktop/Captured/unknown/12\_08\_23\_12\_59\_16/4R
- C:/User/admin/Desktop/Captured/unknown/12\_08\_23\_12\_59\_16/4L
- C:/User/admin/Desktop/Captured/unknown/12\_08\_23\_12\_59\_16/2T

## Firmware Update

Through this, it is possible to install firmware updates on the device:

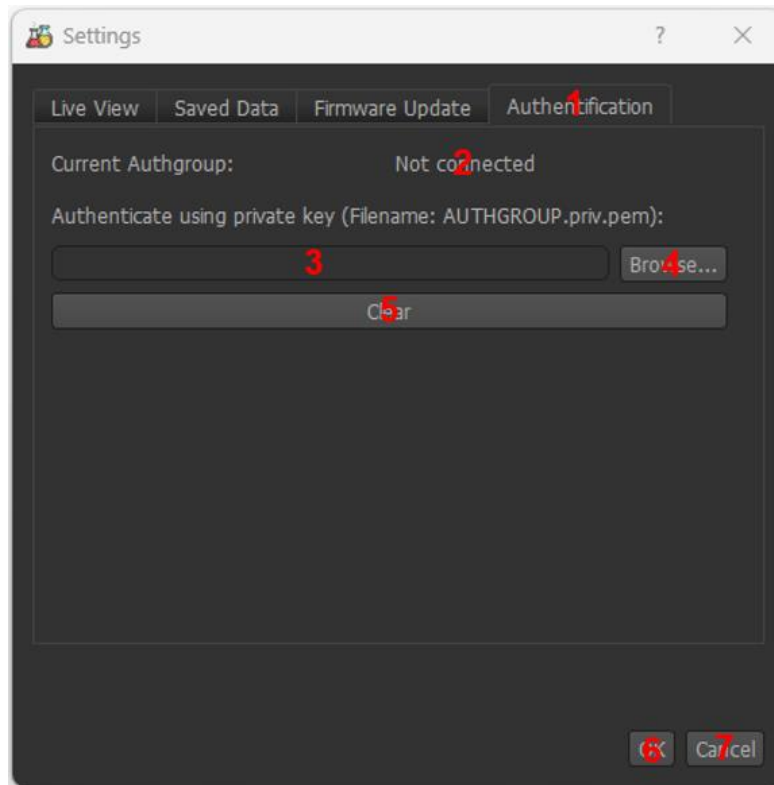


- 1: Tab for Firmware Updates
- 2: Path to the selected firmware file
- 3: Button to select the FW file (provided by IDloop)
- 4: Upload button (start the update)
- 5: close window and save changes
- 6: close window without saving changes



## Authentication

With this, it is possible to control the user groups:



- 1: Tab for user authentication
- 2: current user group
- 3: path to the selected authentication key file
- 4: button to select an authentication key FW file (provided by the IDloop)
- 5: button to clear/reset the current authentication
- 6: close window and save changes
- 7: close window without saving changes

### GUEST

- request preview images, final images, segment information

### USER

- request preview images, final images, segment information

### ADMIN

- request preview images, final images, segment information, modify device settings

## User guidance

To enhance our user guidance, we have integrated visual feedback into the 'Live View' mode. Visual feedback is designed to assist you in guiding your users during the scanning process.

Please refer to the color coding below.

- **Green** = successfully scanned
- **Orange** = please lower your fingers (scanned fingers are too high)
- **Red** = please raise your fingers (scanned fingers are too low) OR please center your fingers (fingers might touch the edges)
- **Blue** = please try to minimize your motion during the scanning process (too much movement during the scanning)

## Cleaning Instructions

If you notice any dirt or contaminants on the device during your test, you can find brief cleaning instructions here.

How do I clean the glass surface?

- a. You should start with a **dust blower** to remove any loose dust

When cleaning the surface, please use

- a clean, soft and lint-free piece of cloth
- Ethyl alcohol ONLY
  - **and please AVOID** acetone as this causes damages on the plastic housing

For occurring problems, please contact our helpdesk:

[support@idloop.com](mailto:support@idloop.com)