

Instruction: digital trench recording with Emlid Reach RX + iPhone

General information:

- Charge your cell phone **and** RTK **device**. Always switch it off when not needed.
- Please do not use your phone to make calls or send text messages.
- The data plan is unlimited, uploading from the construction site is possible. **Attention:** No further recordings can be made during the upload therefore it is recommended to upload everything in the evening when you have Wi-Fi.
- If you have any problems, please contact the GEOMAPIX-Hotline (GEO DATA GmbH): 07363 9604-468
Support via phone and TeamViewer QuickSupport app



Step 1



Screw on the antenna
+
Attach the cell phone

Step 2



Turn on the RTK device using the button on the left side
→ press and hold until the LED lights up white

Step 3 – Start App

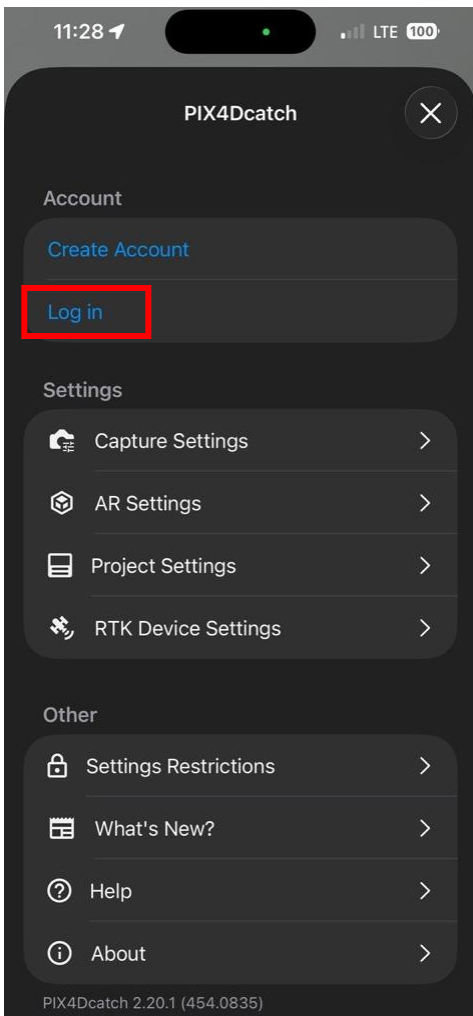


Open pix4D catch App

Step 4 – Log in



Important: Disable Wi-Fi
Enable mobile data

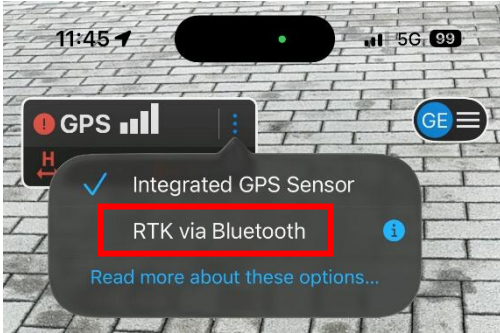


Log in with your existing pix4D account

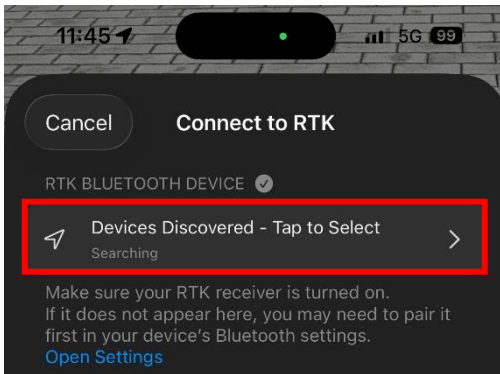
Step 5 – Connect Rover and phone



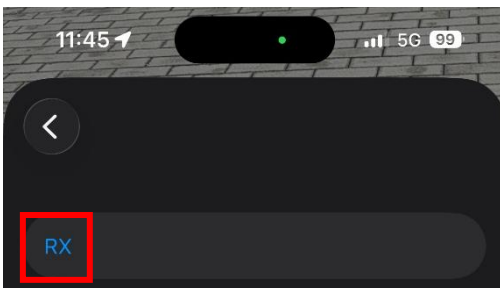
- click on three dots icon



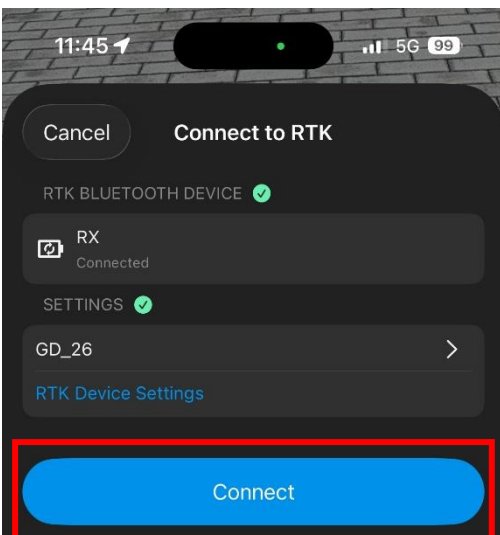
- Select "RTK via Bluetooth"



- Wait a moment until the RTK is detected, then select "Devices Discovered"



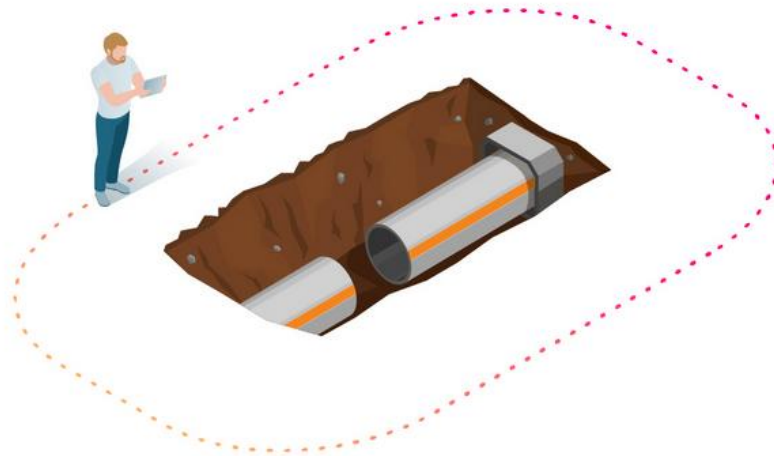
- Select „RX“



- Click on "Connect"

Step 6 – Carry out recordings

Notes during recording!



- Do not cover the camera and antenna

- Always hold the phone upright

- Hold the device at a 45° angle

- Start recording 2m before the trench and end 2m after the trench

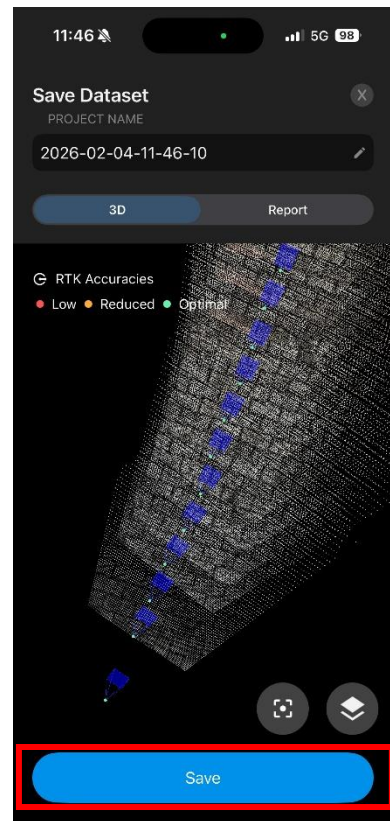
- If possible, walk on one side of the trench and back on the other



1. Wait for RTK-**Fixed**
2. Start recording with red button

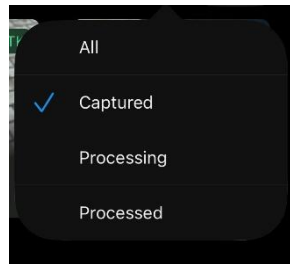
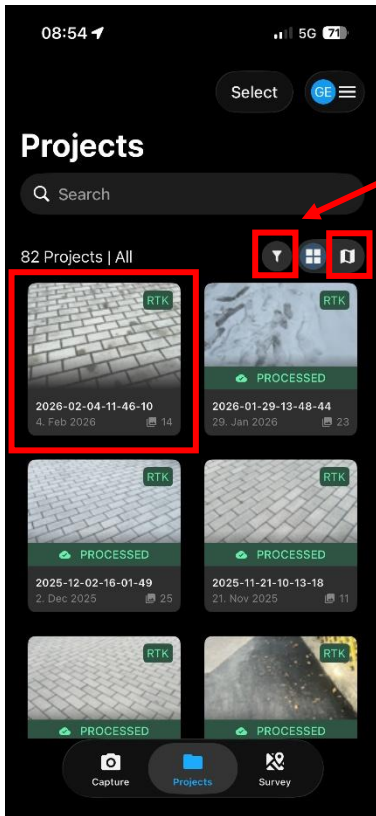


End recording with blue check mark (Number in the bottom left = number of images, min. 6 and max. 1000)



Save recording

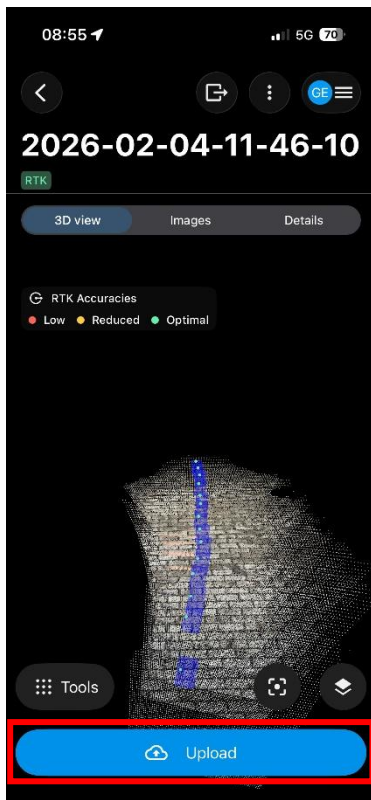
Step 7 – Upload



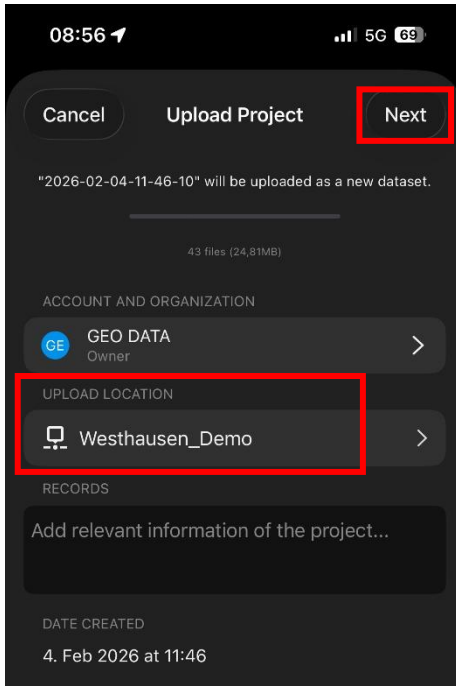
- Use the filter icon to select “Captured”, so only the recordings that have not been uploaded yet are displayed
- tap on the new recording



Using the ‘Map thumbnail view’ icon, all projects at the current location are displayed on the map and can be selected. The filter icon can be used to switch between all projects or, for example, only captured projects that have not yet been uploaded.



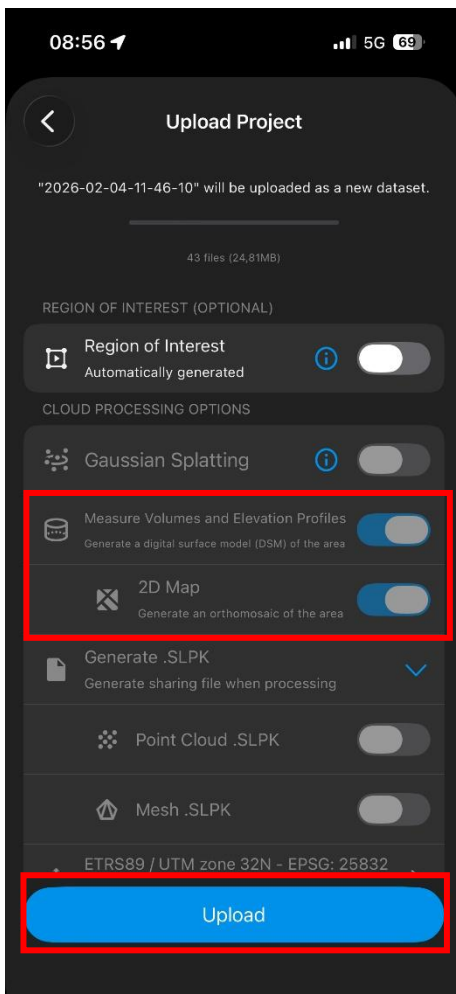
- Select “Upload”
- It is recommended to upload the recordings in the evening via Wi-Fi, as recording is not possible during the upload.



2.

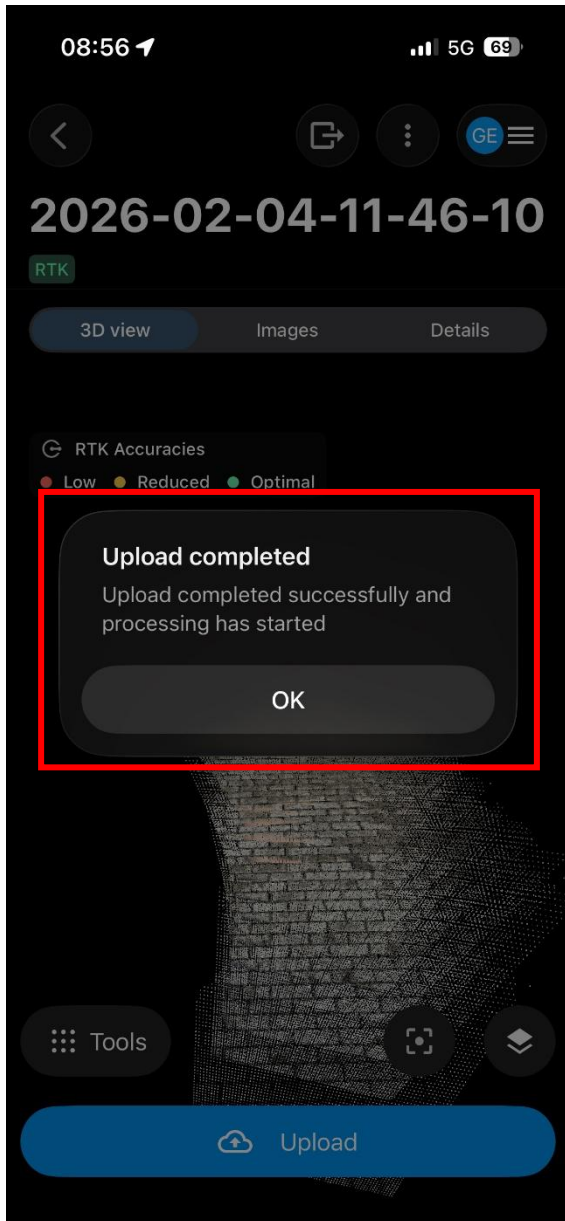
- choose the right "destination" / "Upload location"
- „Next“

1.

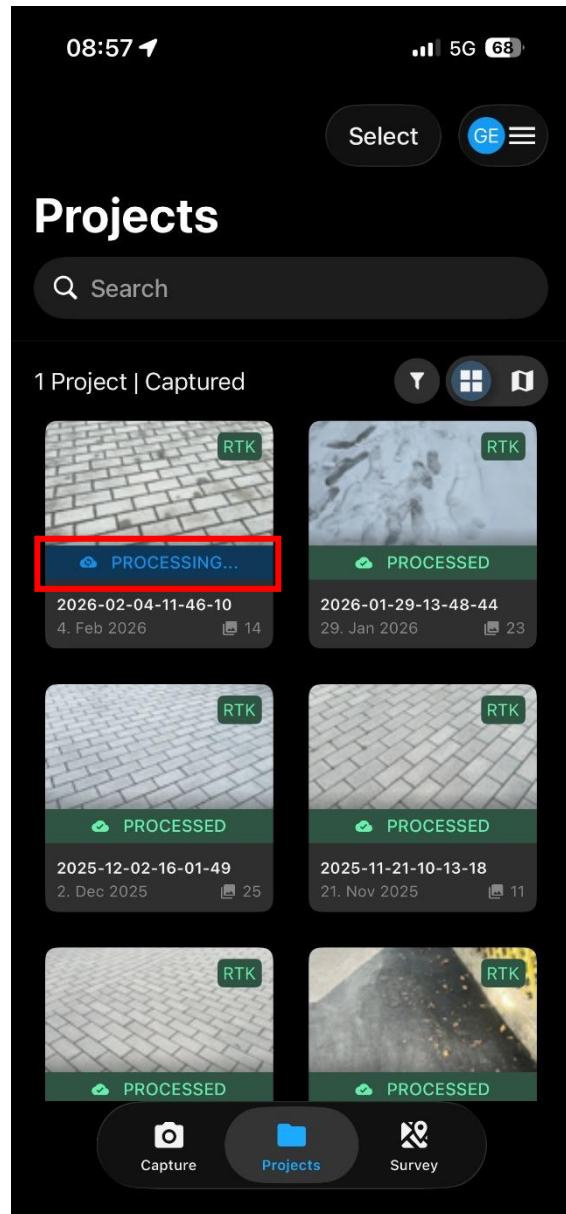


IMPORTANT: This must be enabled!

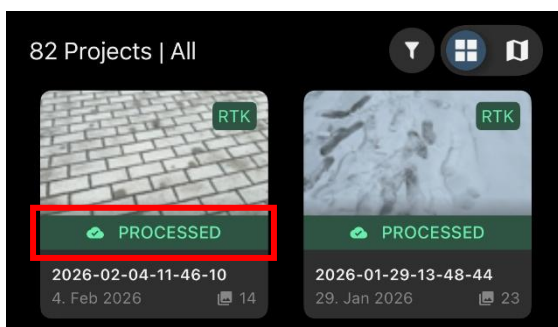
- „Upload“



Wait until the message “Upload completed” appears, then confirm by tapping “OK”.



The dataset is now being uploaded to the Pix4D-Cloud. During this process, the status “Processing...” will be displayed. Additional recordings can be uploaded in parallel.



Once the dataset has been processed in the Pix4D-Cloud, the status will change to “Processed”.