For Android and iOS

VM Companion Link connects the vLoc3 RTK-Pro to Esri Field Maps, allowing you to collect GPS positions and utility locate data.

Before Starting, You Will Need:

1. A vLoc3 RTK-Pro with firmware supporting VM Companion Link.
2. A compatible Android phone or iPhone with Bluetooth enabled.
3. VM Companion Link and Esri Field Maps installed.
4. A VMMap account.
5. An ArcGIS account with access to your collection map and permission to add features.
6. A Field Maps map configured for utility locate collection.
7. An RTK correction service configured on the receiver when centimeter-level positioning is required.

Create a VMMap Account

A VMMap account is required to proceed past the VM Companion Link login page. This allows Vivax-Metrotech to validate users and verify that the equipment is authorized for use.

1. Go to https://vmmap-new.vxmt.com/en/login.
2. Select the account registration option and complete registration.
3. Use your VMMap credentials when prompted to sign in to VM Companion Link.

If you already have a VMMap account, use your existing credentials.
Your VMMap account provides access to VM Companion Link. Your ArcGIS account provides access to your maps in Esri Field Maps.

Prepare the Equipment

1. Power on the RTK-Pro.
2. Position the receiver outdoors with a clear view of the sky.
3. Enable Bluetooth on your phone.
4. Allow the permissions requested by the applications. Permission names and prompts may differ between Android and iOS.
5. If using RTK corrections, open GPS RTK Source on the receiver and confirm correction data is being received.
6. Check the receiver’s GNSS status.

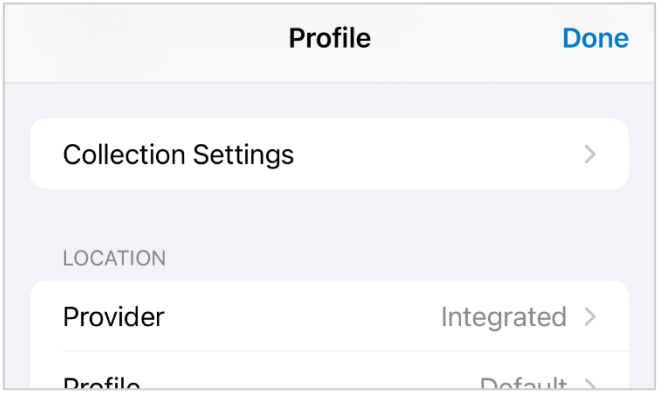


Receiving RTCM3 confirms correction reception. **RTK Fixed** confirms a fixed RTK solution.

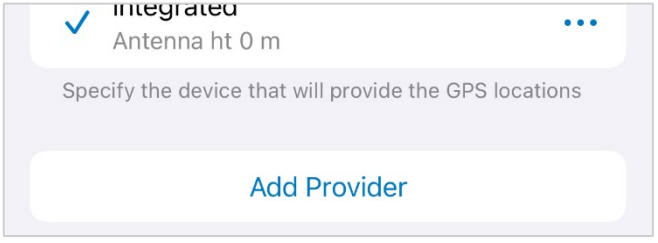
Add the Provider and Connect the RTK-Pro

Start from Esri Field Maps, with VM Companion Link installed and the receiver powered on.

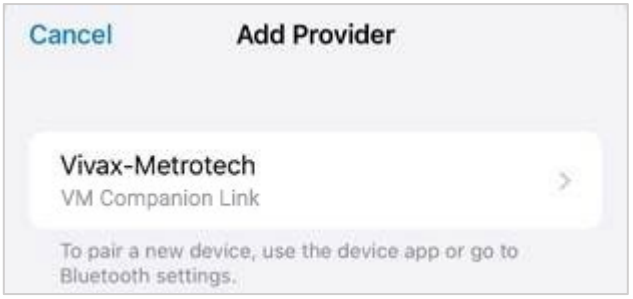
1. Open Field Maps → **Profile.**
2. Under **Location,** tap **Provider.**



3. Tap **Add Provider**



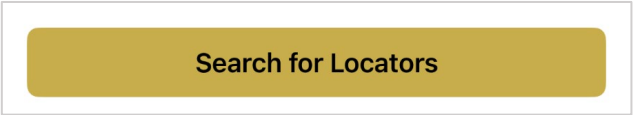
4. Select the **Vivax-Metrotech** entry for **VM Companion Link.** Field Maps redirects you to the companion app.



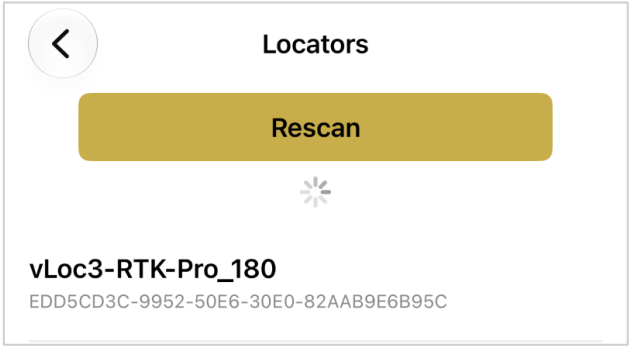
5. If prompted, sign in using your **VMMap credentials.**
6. Check the **Status** near the top of the companion screen.

Status	Meaning and action
Started	The local server is active and can send receiver data to Field Maps.
Stopped	Data cannot be sent to Field Maps. Tap the **refresh icon** beside the status and confirm it changes to **Started**.

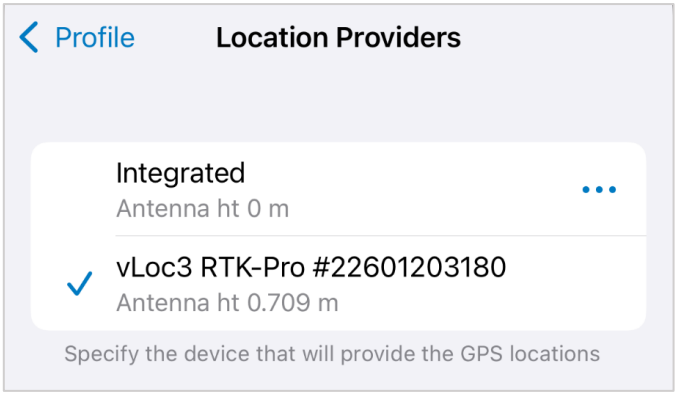
7. Tap **Search for Locators** to start the Bluetooth scan



8. Select your RTK-Pro from the list. If it does not appear, confirm it is powered on and nearby, then tap **Rescan.**



9. Wait for the Bluetooth connection to complete.
10. Use your phone's **Recent Apps/ app switcher** to return to **Field Maps**. VM Companion Link does not automatically redirect you back. Leave VM Companion Link running.
11. In **Location Providers**, verify that your RTK-Pro has been added and that its serial number is correct.
12. Tap the receiver entry and confirm a **check mark appears beside it.**



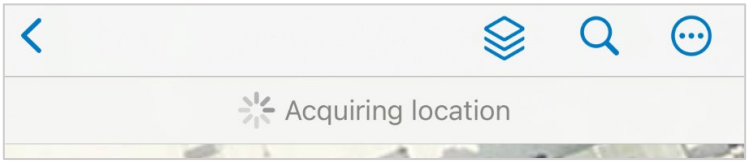
13. Return to **Profile** and verify that **Provider** displays your RTK-Pro.

Important: Adding the provider does not automatically select it. Also, **Status: Started** confirms the local server is active; the Bluetooth connection to the receiver must be established separately.

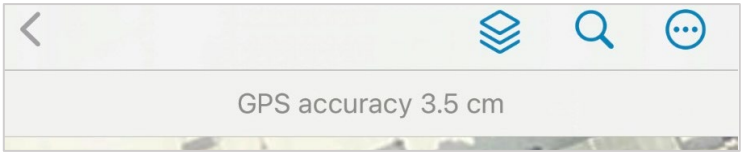
Open the Map and Verify GPS Location

1. Open the required map in **Field Maps**.

2. Check the status at the top of the map. **Acquiring location** appears while Field Maps waits for receiver location data.

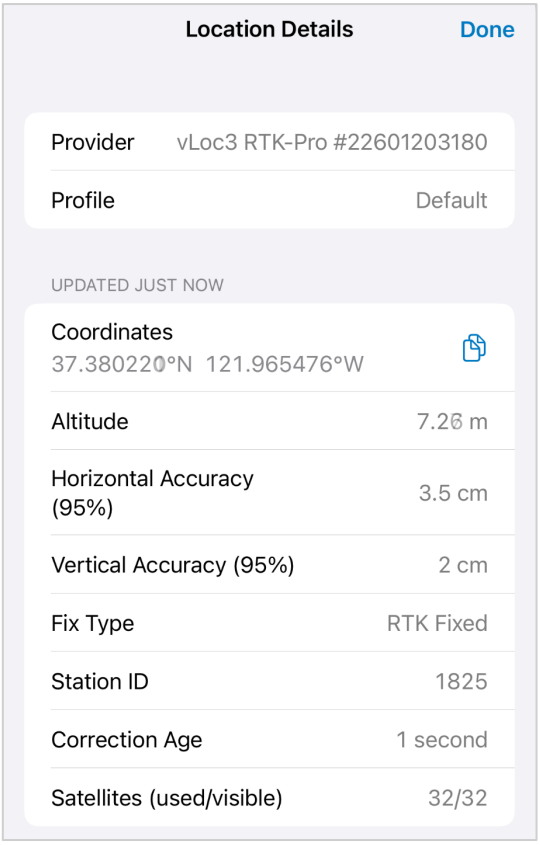


3. Once location data is available, the status changes to **GPS accuracy**, followed by the reported accuracy.



4. Confirm a **blue dot** appears on the map. With the RTK-Pro selected as the provider, this represents the **location of the RTK-Pro**.

5. Tap the **GPS accuracy** banner to open **Location Details**.



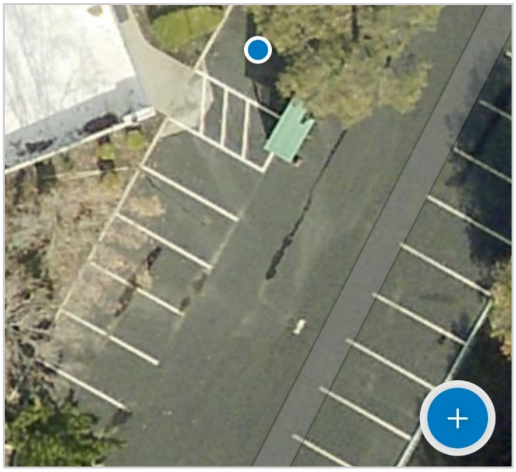
6. Verify the provider model and serial number, then compare the GPS information with the RTK-Pro display.

Location detail	What to Check
Provider	Correct RTK-Pro model and serial number
Coordinates	Latitude and longitude agree with the receiver
Altitude	Agrees with the receiver, allowing for display rounding and updates
Horizontal/Vertical Accuracy	Reported position accuracy; Field Maps labels these at 95%
Fix Type	Current solution, such as RTK Fixed
Station ID	Correction reference station identifier
Correction Age	Time since the latest correction data
Satellites (used/visible)	Satellite counts reported by the receiver

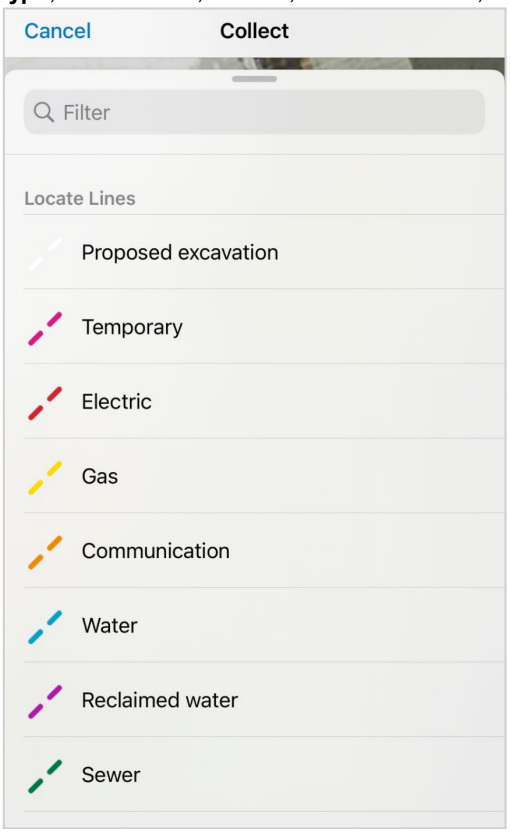
7. Close **Location Details** to return to the map

Collect Utility Locate Data
Before collecting, confirm that the RTK-Pro is connected, selected as the provider, and supplying GPS location data.

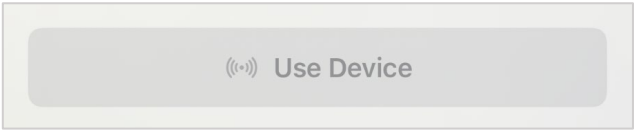
1. Tap the **blue + icon** on the **Field Maps** map.



2. Select the applicable **utility type**, such as Gas, Electric, Communication, or Water.

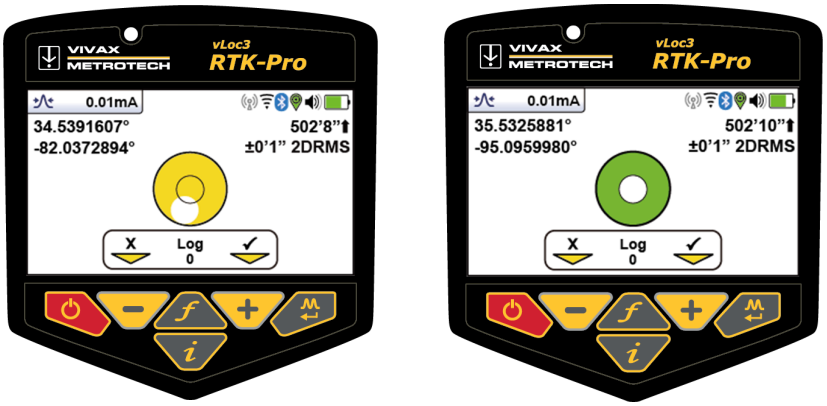


3. The collection screen opens. The **Use Device** indicator flashes, prompting you to capture data using the RTK-Pro.



4. Locate the utility with the receiver.
5. On the **RTK-Pro**, press the **i button** to open the information screen.
6. Press the **+ button** on the receiver to log the data.

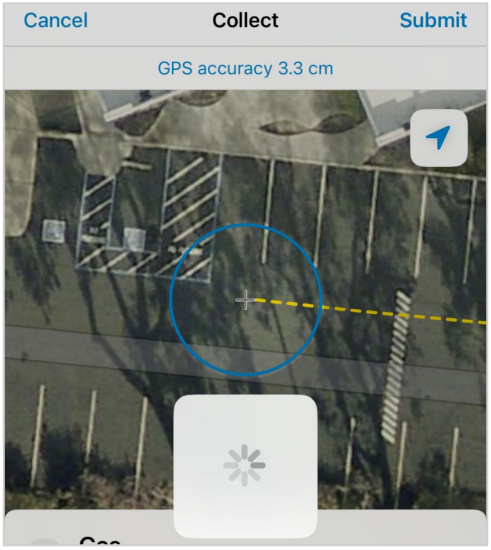
7. The receiver's **spirit level** appears. Hold the receiver steady and upright until it meets the required tilt angle.



8. The record is sent to Field Maps through VM Companion Link. Confirm a **dot appears on the map**, indicating the record was received.



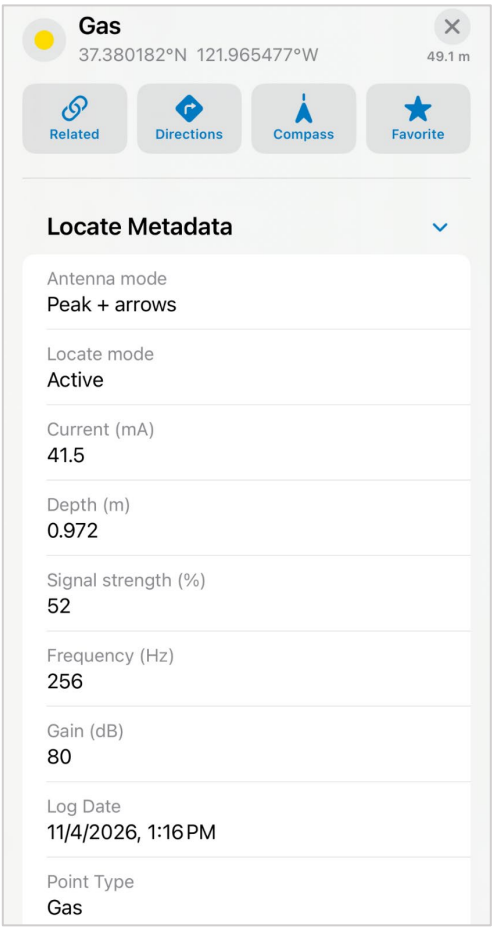
9. Move to the next required recording position, locate the utility, and repeat steps 5–8.
10. Once all required points have been collected, tap **Submit** in Field Maps.
11. Wait for Field Maps to finish saving.



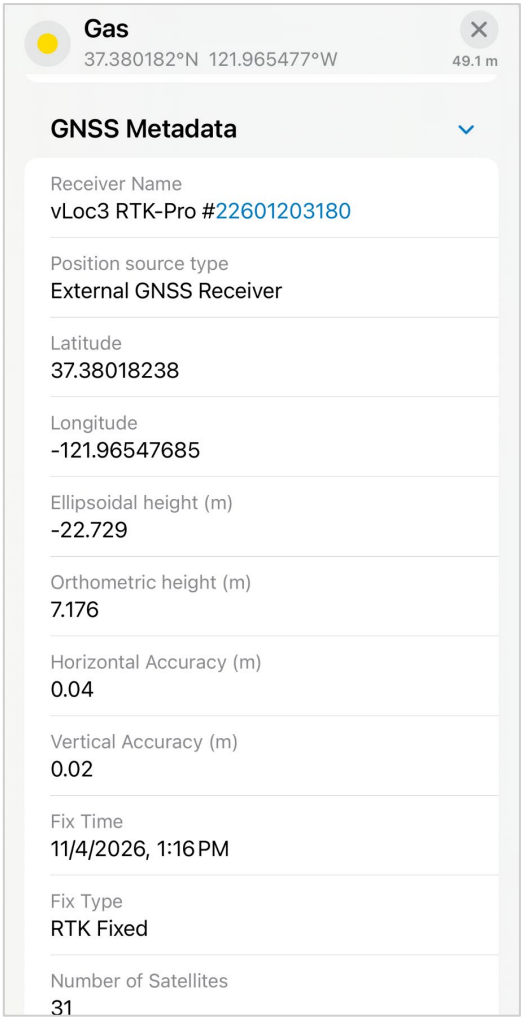
Important: The **blue + icon** in Field Maps starts collection. The **+ button on the RTK-Pro** records each locate after opening the receiver's information screen.

Review Collected Points and Metadata

1. After saving, review the **Locate Points** overview.
2. Tap a recorded point on the map to open its details.
3. Expand **Locate Metadata** to review the utility measurements.



4. Expand **GNSS Metadata** to review the position information recorded with the point.



Metadata Section	Information Available in the Example Map
Locate Metadata	Antenna mode, locate mode, current, depth, signal strength, frequency, gain, log date, and point type
GNSS Metadata	Receiver name and serial number, position source, latitude, longitude, ellipsoidal and orthometric heights, horizontal and vertical accuracy, fix time, fix type, and satellite count

The metadata belongs to the selected record **at capture time**. The GPS accuracy banner at the top of the map shows **current live accuracy** and may display a different value.

Troubleshooting

Issue	What to Check
Receiver does not appear in the scan	Confirm the receiver is powered on and nearby, enable Bluetooth on the phone, and tap **Rescan.**
Companion status shows Stopped	Tap the **refresh icon** and confirm the status changes to **Started**.

Receiver is listed but is not the active provider	Tap the receiver entry in **Location Providers** and confirm a **check mark** appears beside it.
Field Maps remains on acquiring location	Confirm VM Companion Link shows **Started**, the Bluetooth connection is established, the RTK-Pro is selected as provider, and the receiver has a GNSS position.
No dot appears after logging	Confirm the receiver meets the required tilt condition. Check the Bluetooth connection and that VM Companion Link shows **Started**
Companion does not return to field maps	Use the phone's **Recent Apps / app switcher** to return manually. Leave VM Companion Link running.

Note: Screen appearance may differ between Android and iOS.

Vivax-Metrotech Corp. (Headquarters)
3251 Olcott Street, Santa Clara, CA 95054, USA
T/Free: 1-800-446-3392
Tel: +1-408-734-1400
Fax: +1-408-734-1415
Email: SalesUSA@vxmt.com
Website: www.vivax-metrotech.com

Visit us at www.vivax-metrotech.com to view our full product line and worldwide locations.