

PRECISE



PRECISE X

GNSS Receiver

Think PRECISE!

QUICK GUIDE

Release Month 2025/03

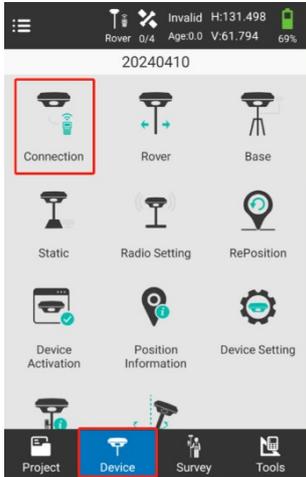


MENU

1 GNSS receiver connection	3
1.1 Connect with WIFI or Bluetooth	3
1.2 Fast Connect with NFC	4
2. Set a new project	5
3. Localization.....	7
4. Set Base station	8
5. Set Rover station.....	8
6. Survey and Stake out.....	9
6.1 Point Survey	9
6.2 Point Stakeout	10
7. Export data	11
7.1 Path of Handheld controller	11
7.2 Path of PC.....	12

1 GNSS receiver connection

1.1 Connect with WIFI or Bluetooth



Open the XField on handheld controller, Tap Device and tap communication

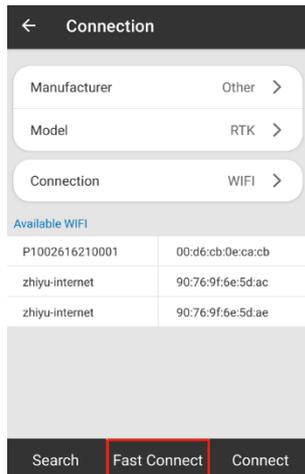


It can be connected to WIFI or Bluetooth.
 If you connected another GNSS receiver before, please tap "Stop" at first.



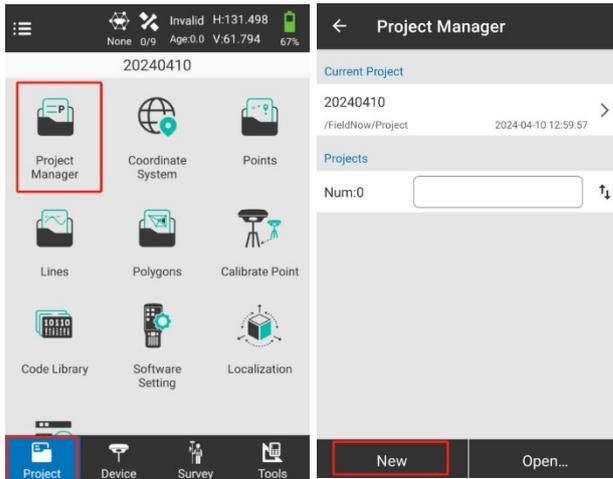
The name of "Available WIFI" is same as GNSS receiver code.

1.2 Fast Connect with NFC



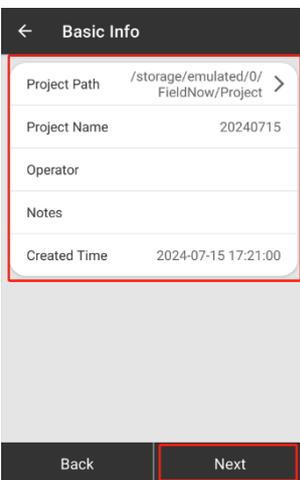
“Fast connect” means handheld controller could find your nearest GNSS receiver and connect fast by NFC. You do not need to choose any of receivers on screen.

2. Set a new project



Step1

Tap “Project” and select “Project Management” and tap “New”



Step2

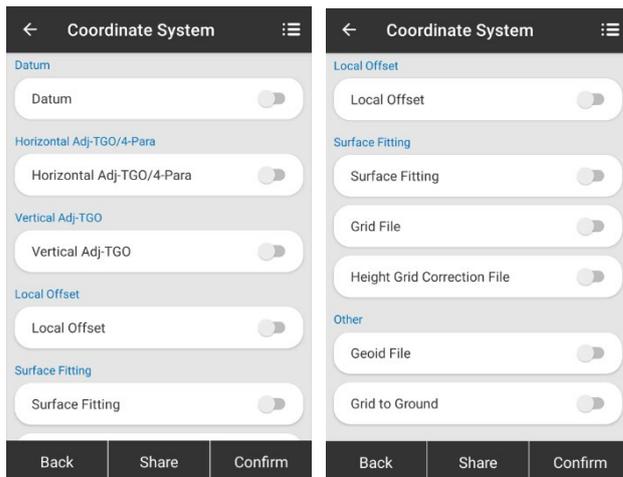
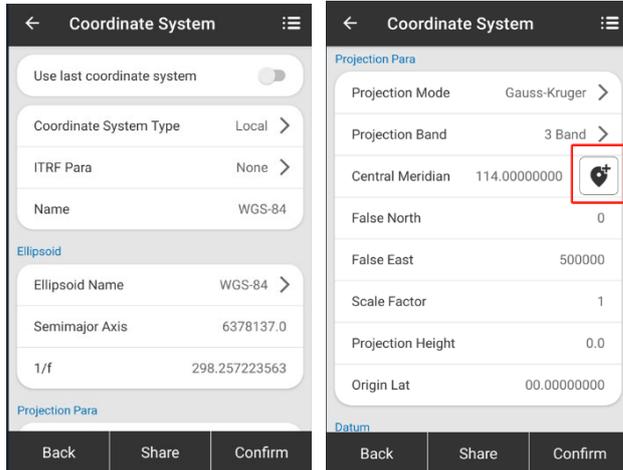
In Basic Info, you could change the project path, project name, operator and notes as you want. After that go next.

Step3

In Coordinate System

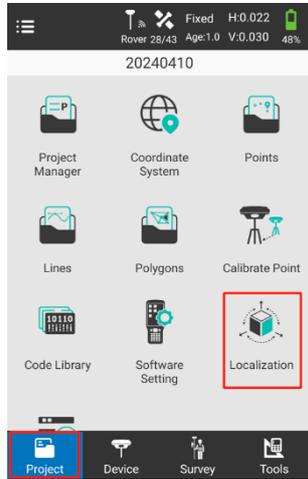
In this step. It is necessary to set “Central Meridian”, you could tap  to acquire your local central meridian automatically.

You also could change ellipsoid of coordinate system such as “WGS-84” and other options as your requirements.

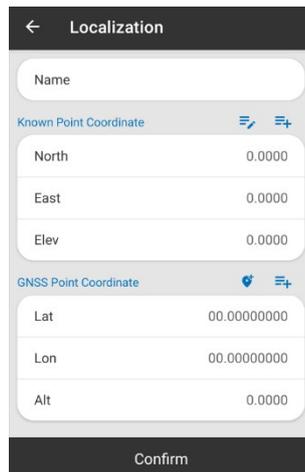
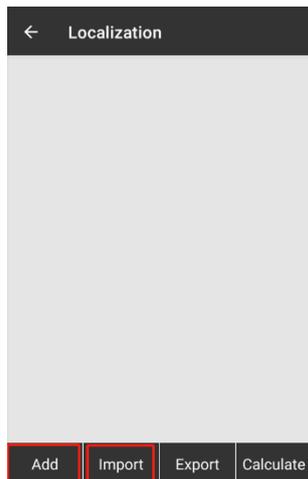


3. Localization

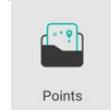
Localization means calculating conversion parameters. You could calculate the conversion parameters to convert coordinate system from the global standard to your local standard.



Tap “Project--Localization”



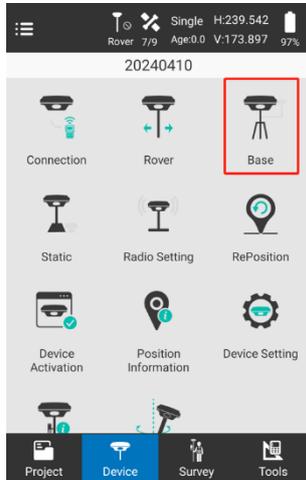
You could add known point coordinate and measure GNSS point coordinate and could import many



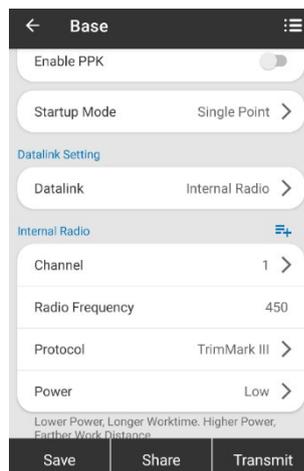
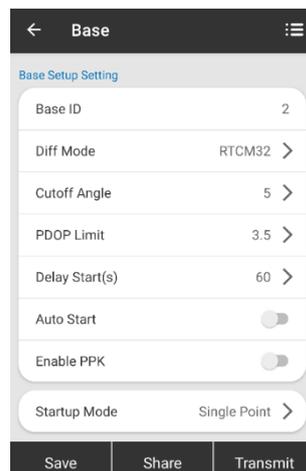
points from the “Points” After that, you could calculate the conversion parameters and export them.

4. Set Base station

Making sure the GNSS receiver of Base is established, including tripod centered and leveled.

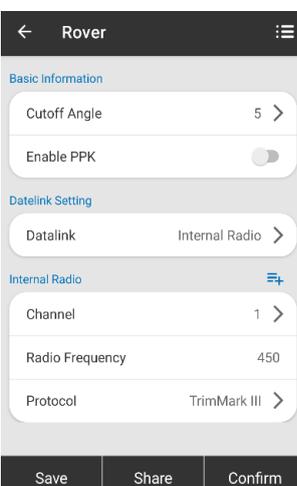
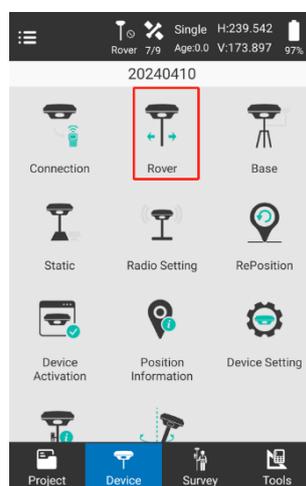


Tap “Base” on the software



The meaning of all detail parameters is indicated in User manual.

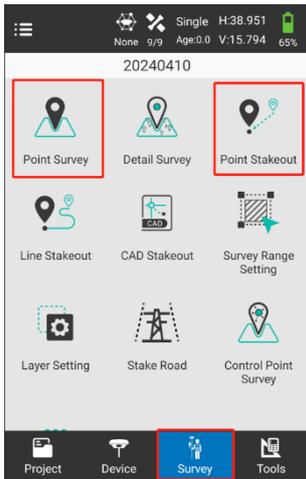
5. Set Rover station



Tap “Rover”

The meaning of all detail parameters is indicated in User manual.

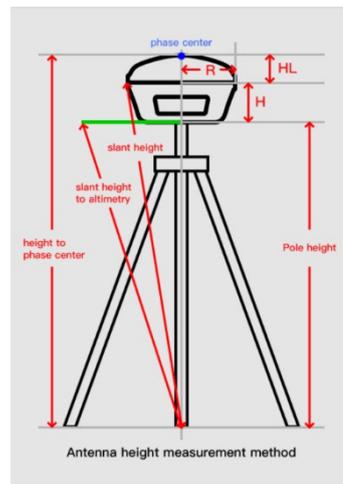
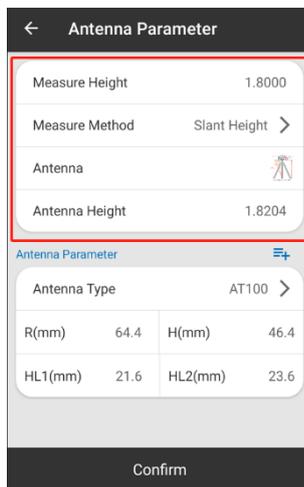
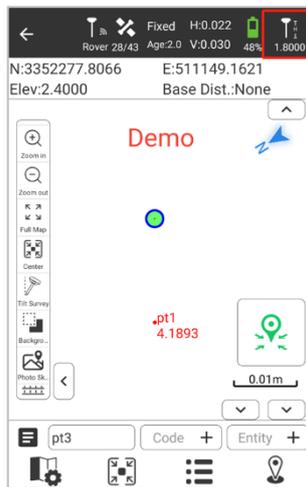
6. Survey and Stake out



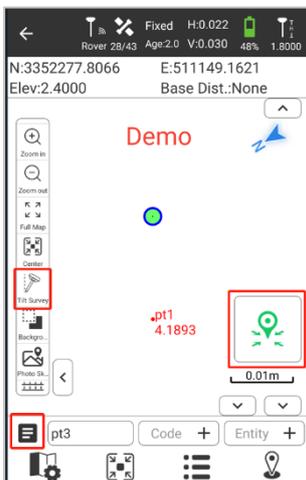
Tap “Survey”

Currently, we have three surveys and three stakeouts. You could choose any of them to survey in your work according to your requirements. Now I take Point Survey and Point Stakeout for an example.

6.1 Point Survey

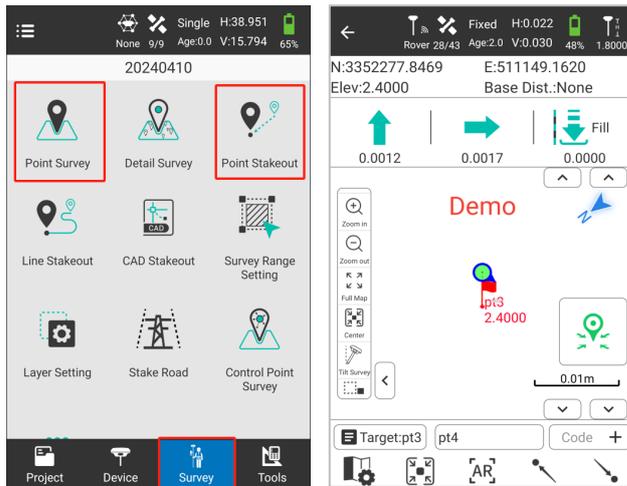


At first, it is necessary to set the height of antenna. Tap  and change antenna parameters. the whole figure of measuring methods is as follow.



In addition, Tilt Survey is also supported. After initializing IMU you could tap  to capture your point. Tapping  you could find “Points” which you have been collected.

6.2 Point Stakeout



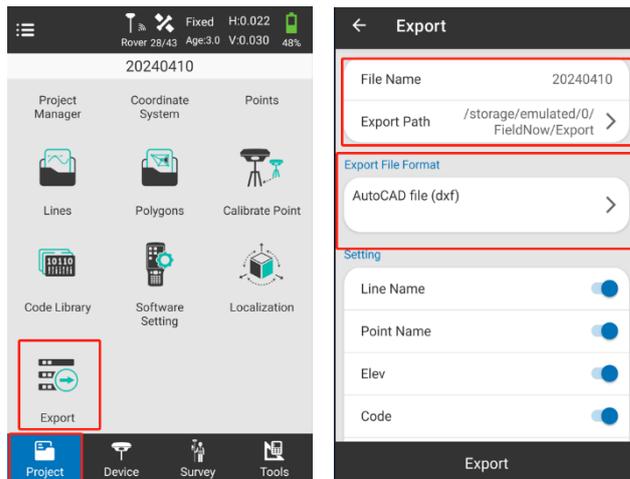
In Point Stakeout, you could see the direction clearly which you need to go forward or backward or ground filling.



It supports tilt stakeout. Tapping  to use tilt survey.

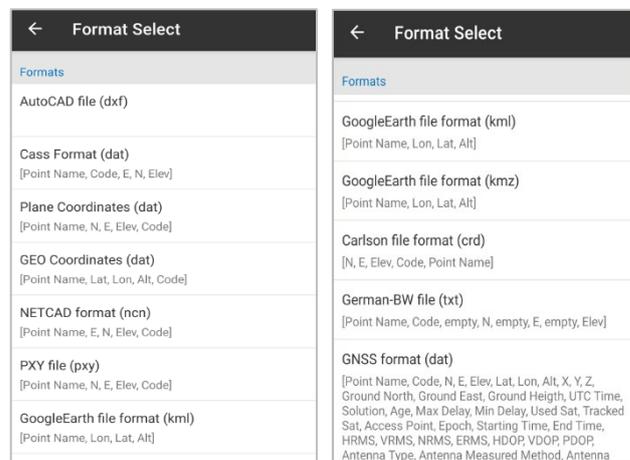
It also supports AR stakeout. Tapping  to use AR stakeout which means you could see the stake point directly with camera and follow the leading indicators to stake.

7. Export data



Tap “Project—Export”. You could export all points which you have been collected in different format.

In “Export”, you could change the file name, export path (In default, the path is P3/Internal shared storage/XField/Export) and Export file format.

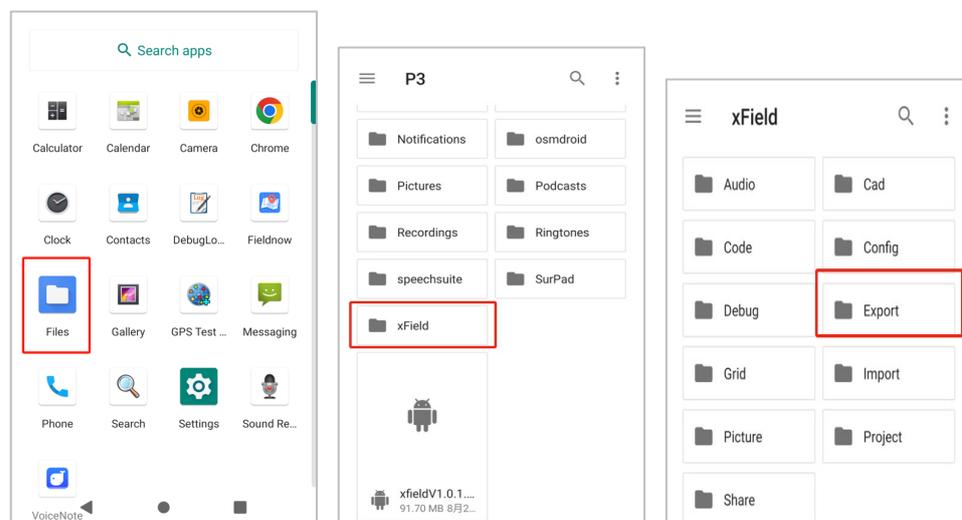


For export file format. The supported file formats are as follows.

You could select any of file format as your requirements. After that, you could find your export files both in the handheld controller and the PC with USB cable. The detail of export file paths are as follows.

7.1 Path of Handheld controller

File – xField – Export





7.2 Path of PC

P3 – Internal shared storage – xField - Export



Enjoy a
PRECISE,
RELIABLE,
and **EASY**
experience!

Think PRECISE!