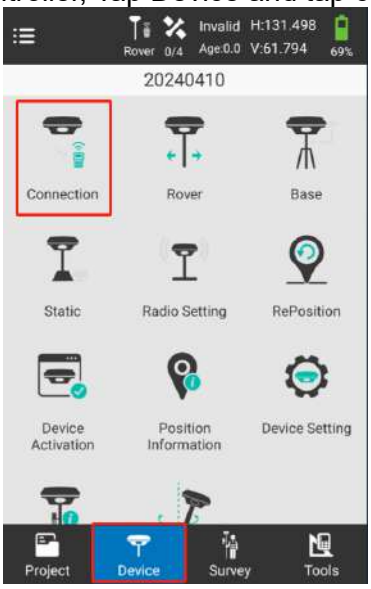
Quick guide to using PRECISE X

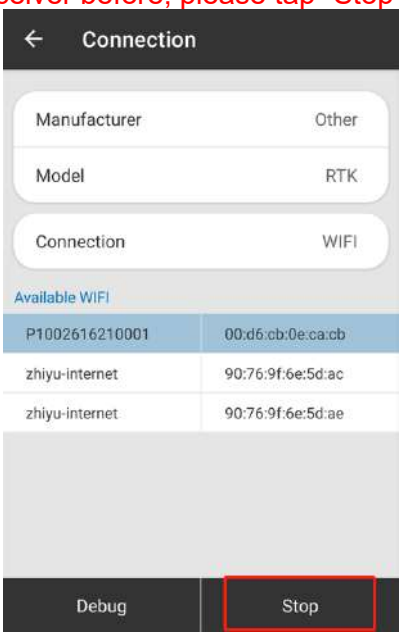
1. **GNSS receiver connection**

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



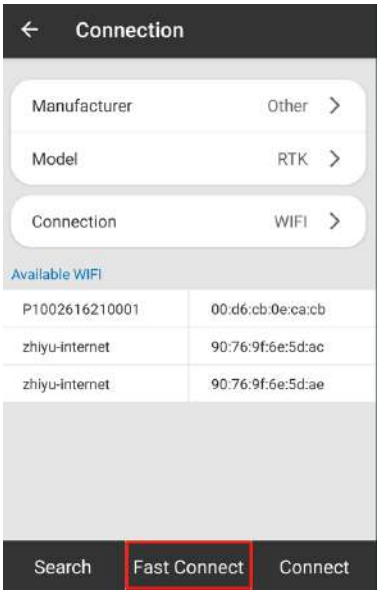
It can be connected to WIFI or Bluetooth.

If you connected another GNSS receiver before, please tap “Stop” at first.



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

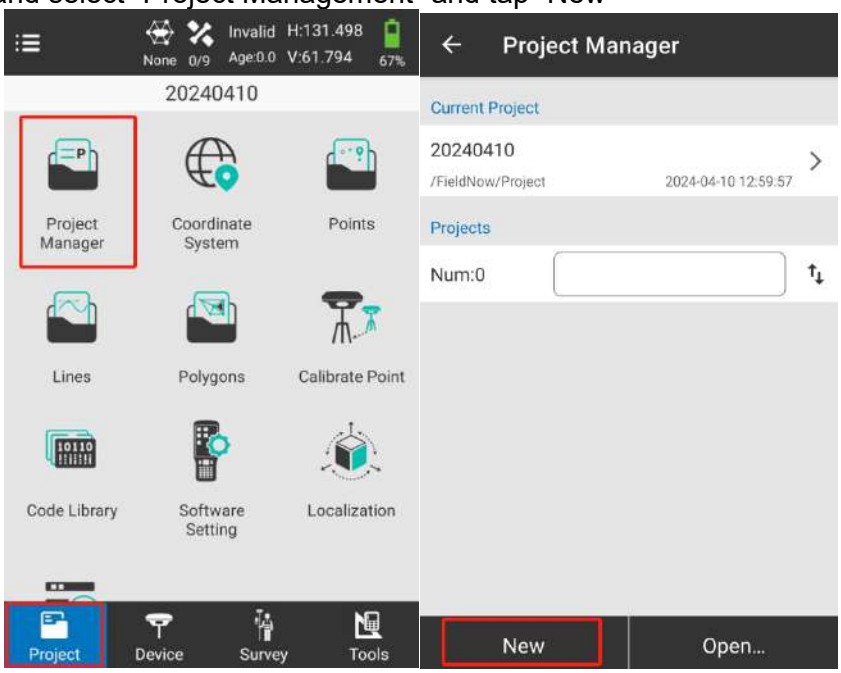
1.1.1 Fast connection with NFC



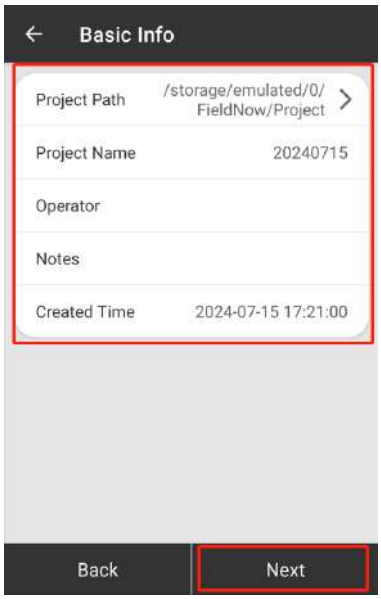
"Fast connect" means handheld controller could find your nearest GNSS receiver and connect fast by NFC. You do not need to choose any of receivers on screen.

2. Set a new project

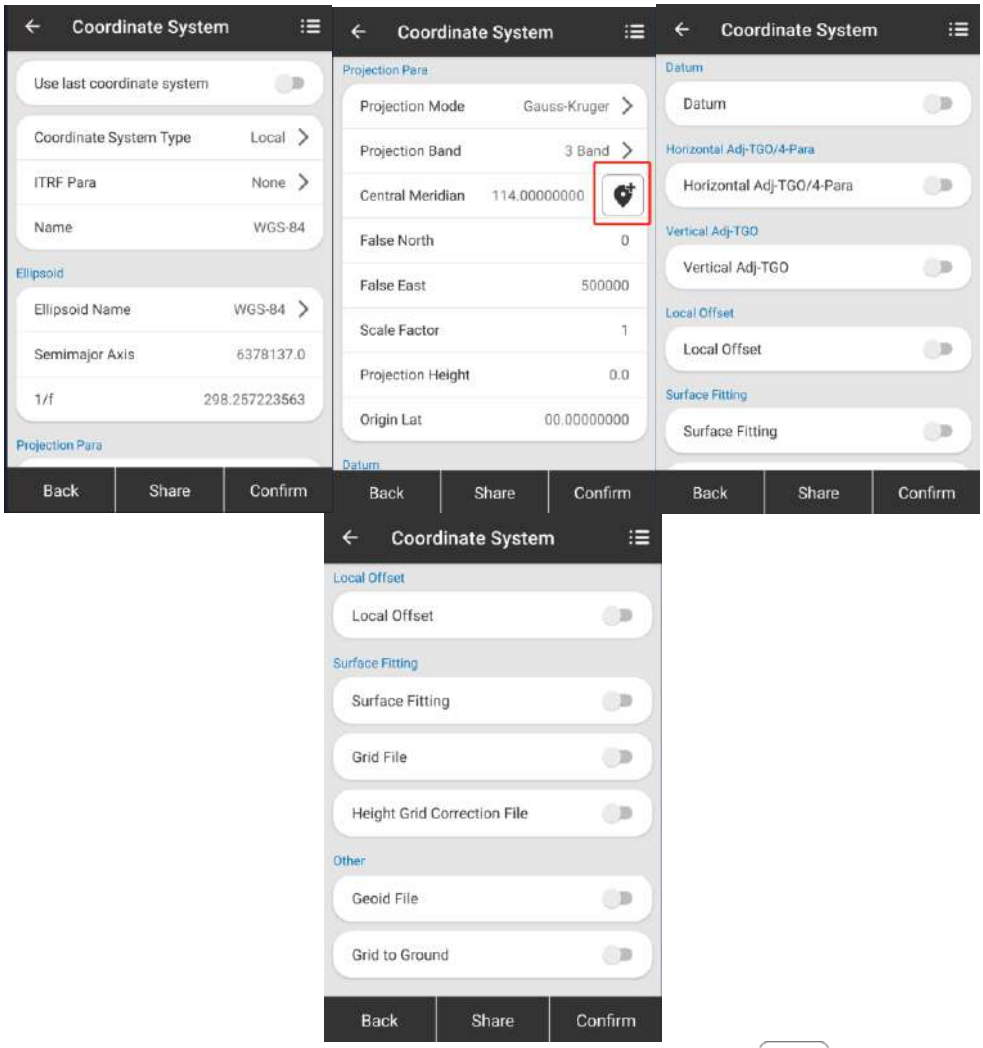
2.1 Tap "Project" and select "Project Management" and tap "New"



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



2.3 In Coordinate System

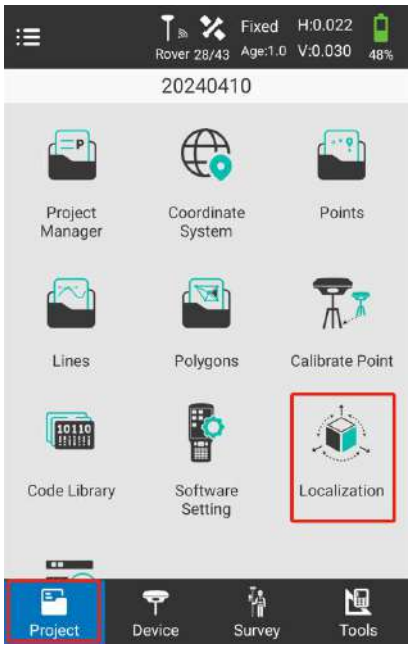


In this step. It is necessary to set “Central Meridian”, you could tap  to acquire your local central meridian automatically.

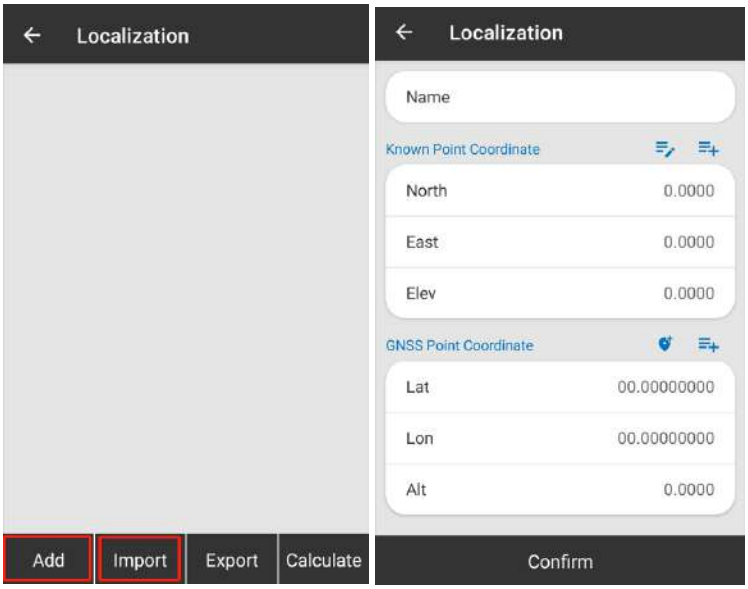
You also could change ellipsoid of coordinate system such as “WGS-84” and other options as your requirements.

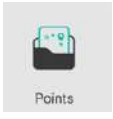
3. Localization

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”



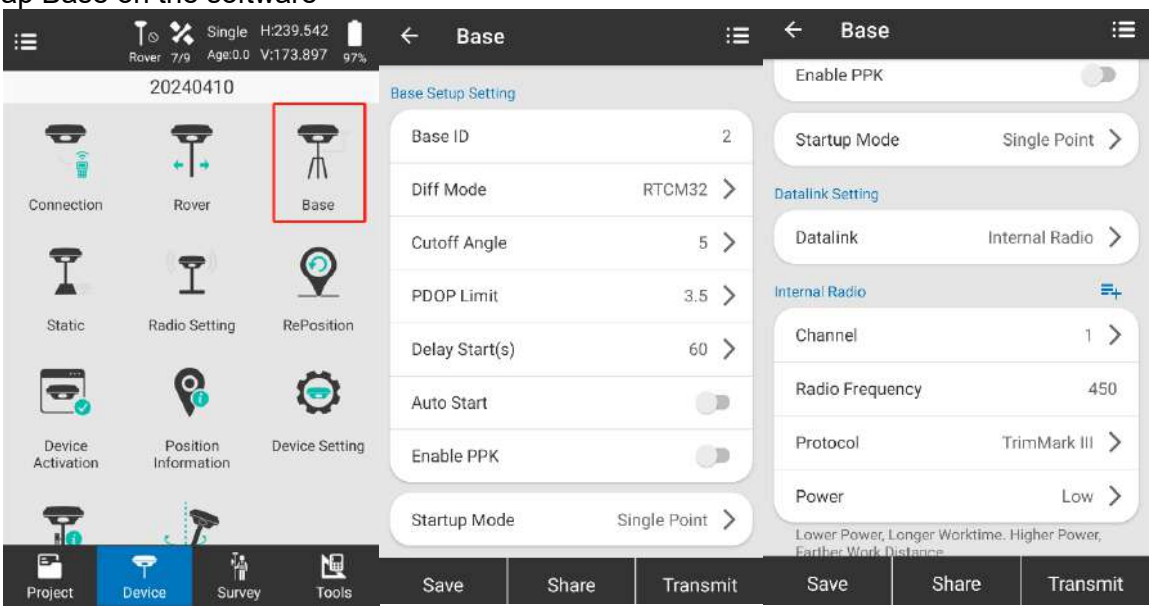
You could add known point coordinate and measure GNSS point coordinate and could import many points from the “Points” 

After that, you could calculate the conversion parameters and export them.

4. **Set Base station**

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

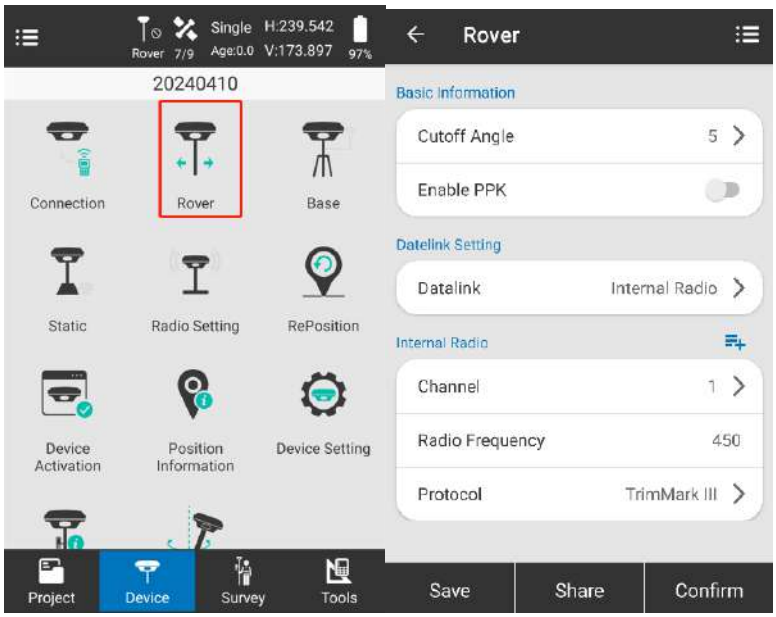
4.2 Tap Base on the software



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

5. **Set Rover station**

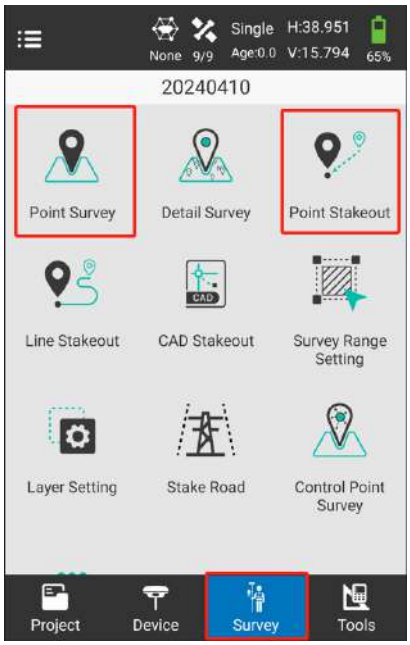
5.1 Tap Rover



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

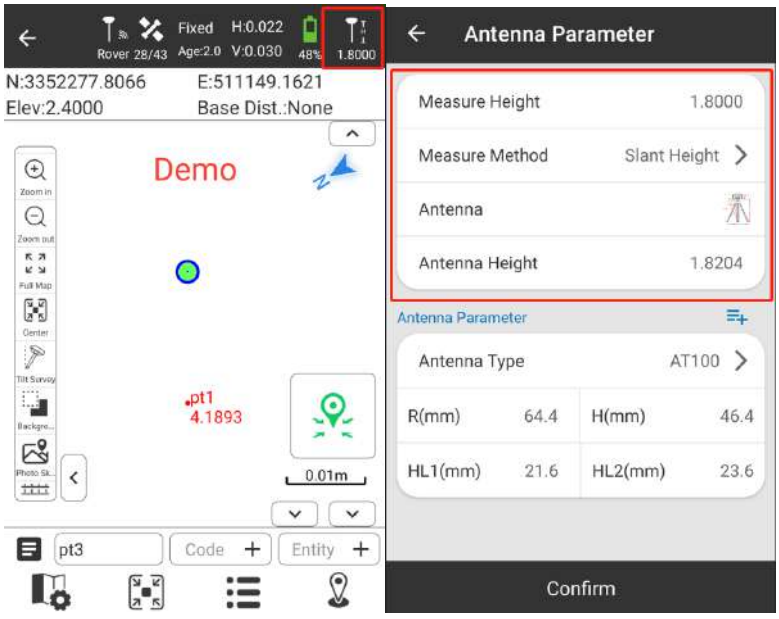
5. Survey and Stake out

5.1 Tap “Survey”



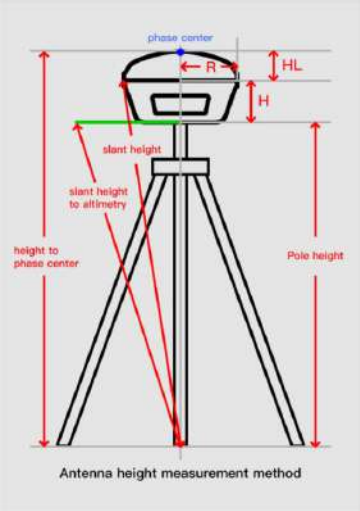
Currently, we have three surveys and three stakeouts. You could choose any of them to survey in your work according to your requirements. Now I take Point Survey and Point Stakeout for an example.

5.2 Point Survey

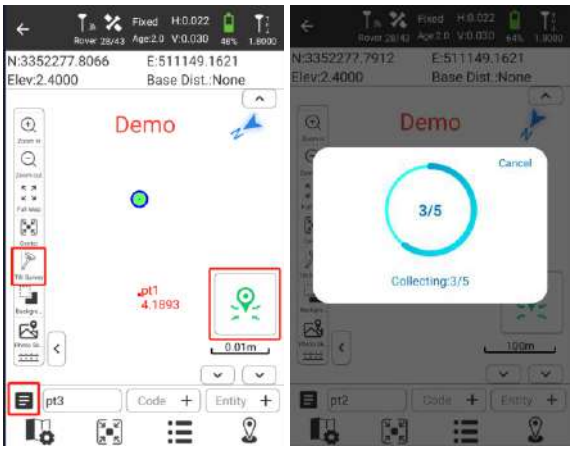


At first, it is necessary to set the height of antenna. Tap 

and change antenna parameters. the whole figure of measuring methods is as follow.

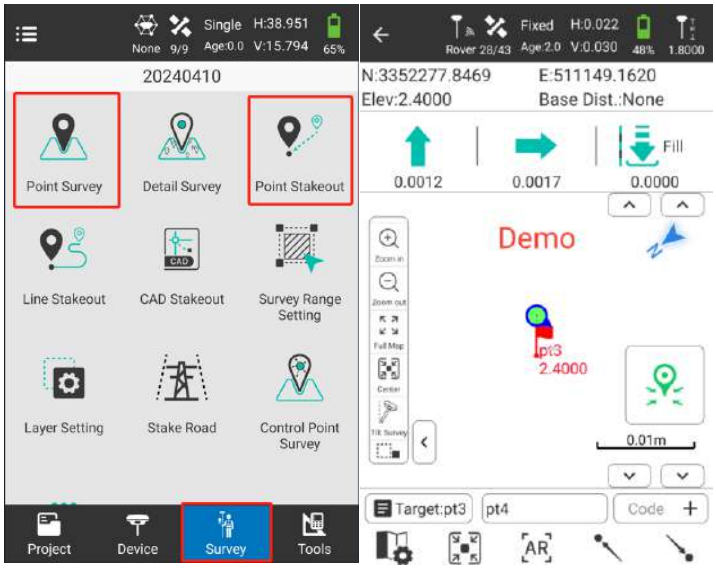


Antenna height measurement method



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.

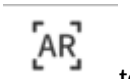
5.3 Point Stakeout



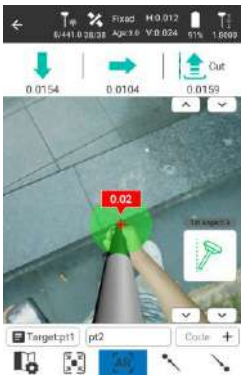
In Point Stakeout, you could see the direction clearly which you need to go forward or backward or ground filling.

It supports tilt stakeout. Tapping 

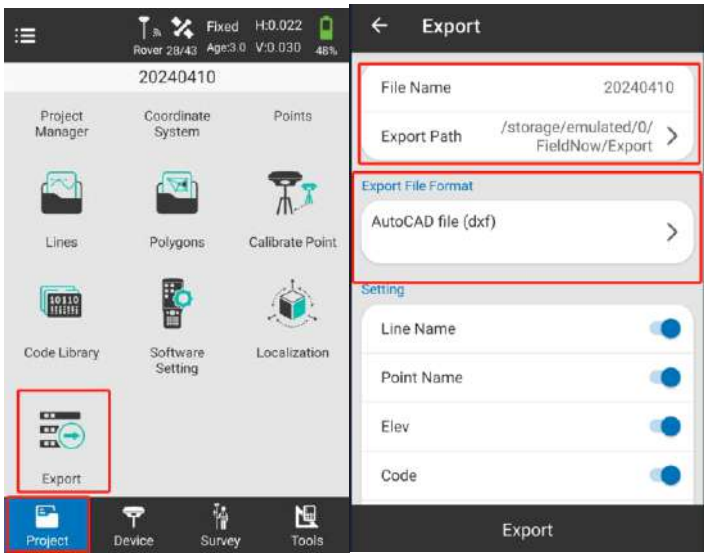
to use tilt survey.

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.



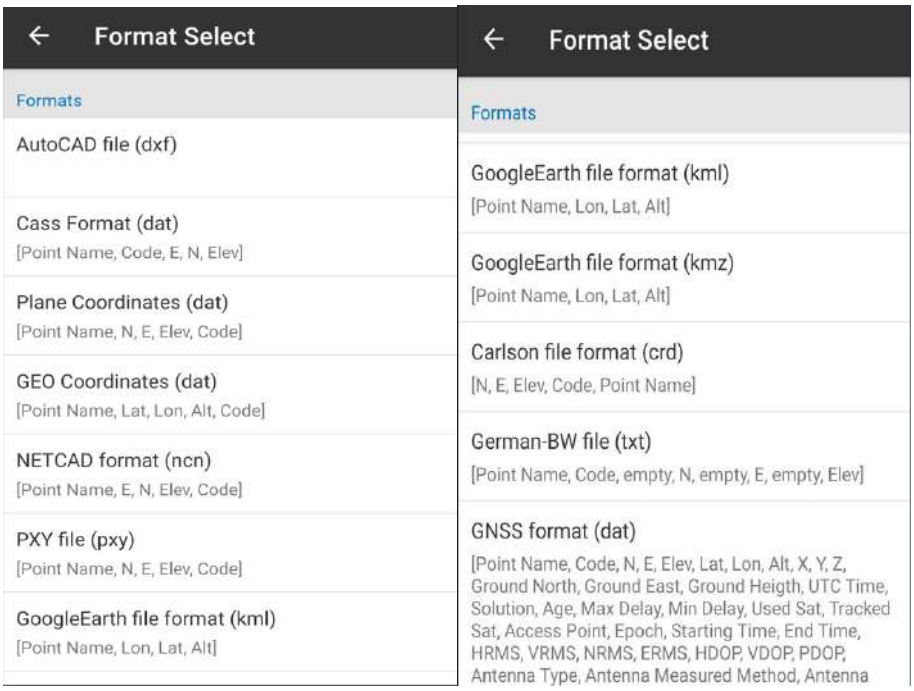
6.Export data



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.

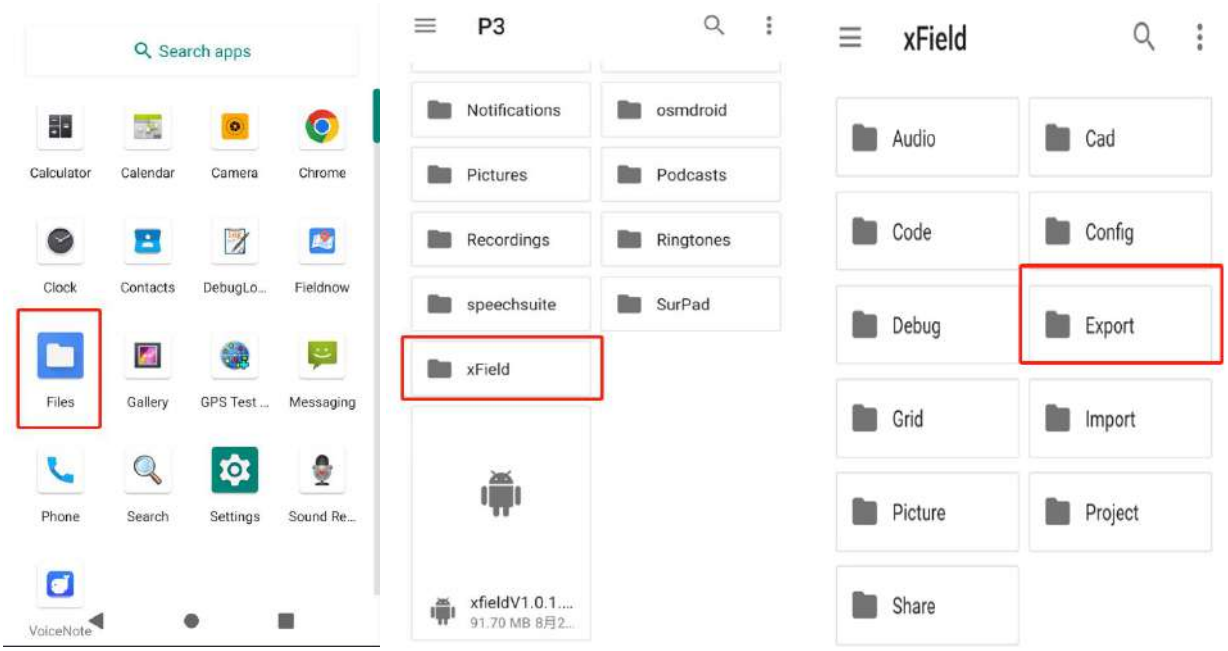
For export file format. The supported file formats are as follows.



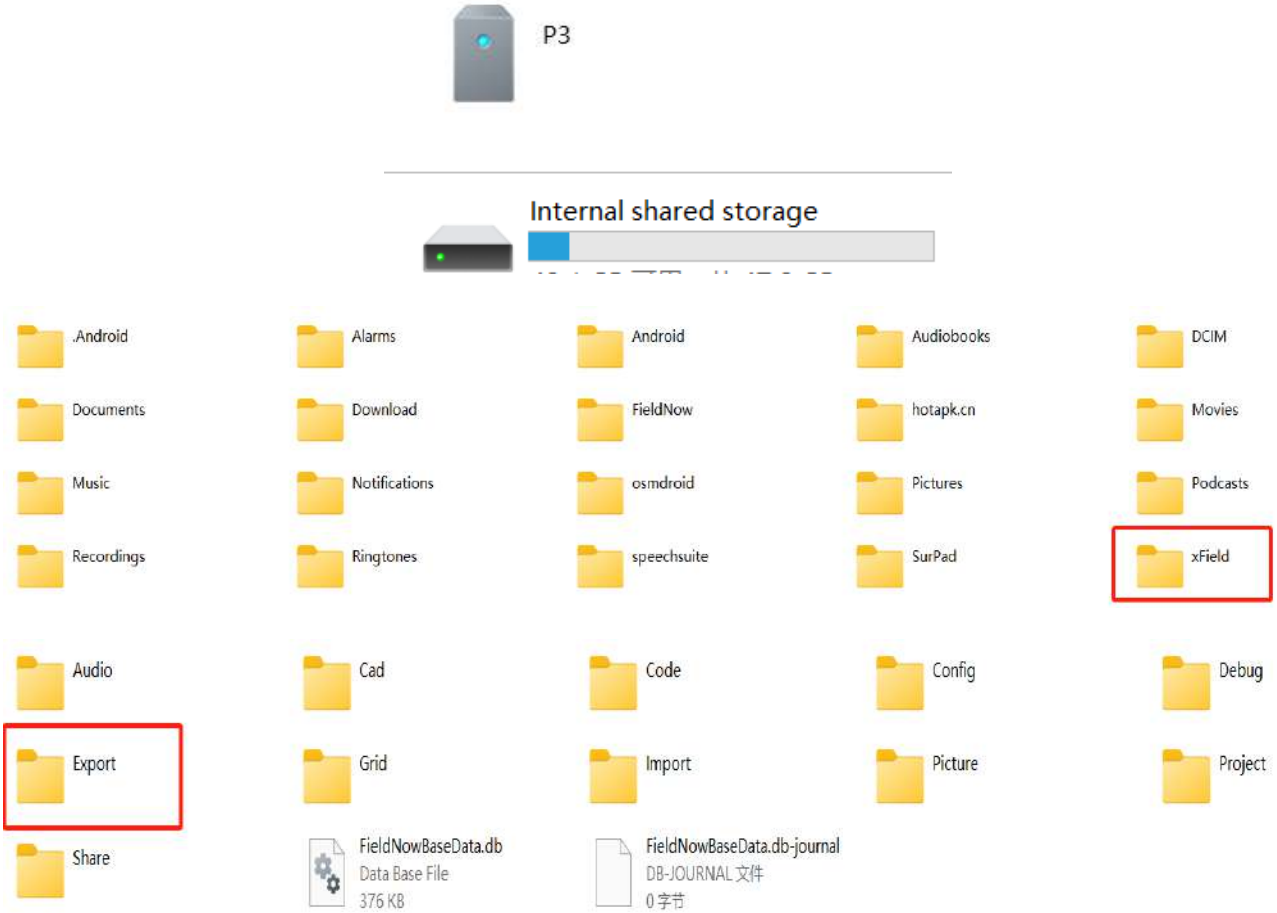
You could select any of file format as your requirements.

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.

6.1 Path of Handheld controller



6.2 Path of PC


P3
Internal shared storage
.Android
Alarms
Android
Audiobooks
DCIM
Documents
Download
FieldNow
hotapk.cn
Movies
Music
Notifications
osmdroid
Pictures
Podcasts
Recordings
Ringtones
speechsuite
SurPad
xField
Audio
Cad
Code
Config
Debug
Export
Grid
Import
Picture
Project
Share
FieldNowBaseData.db
Data Base File
376 KB
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