GEO MASTER SURVEY APP USER MANUAL

ANDROID DATA CONTROLLER



COMPATIBLE HARDWARES





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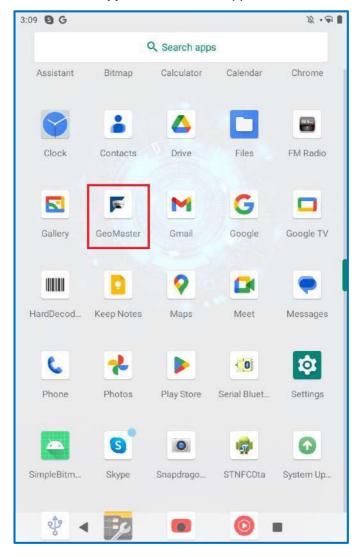
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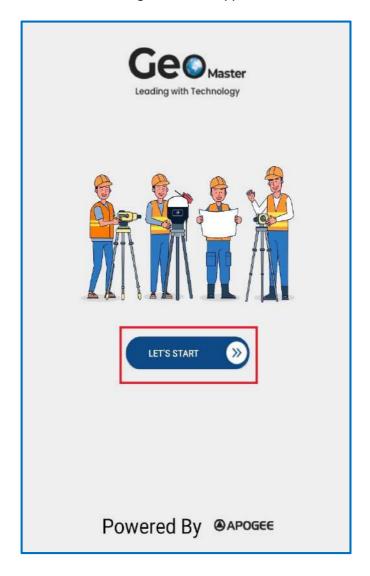
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1 Introduction

Click on the **GeoMaster app** icon to start the application.

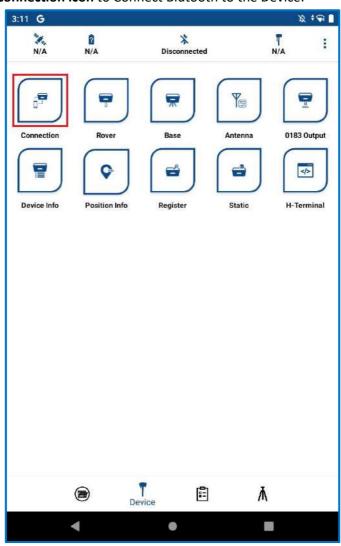


Click on Let's start button to go inside the app.



2 Connect Bluetooth to the Device

Click on **Connection icon** to Connect Blutooth to the Device.



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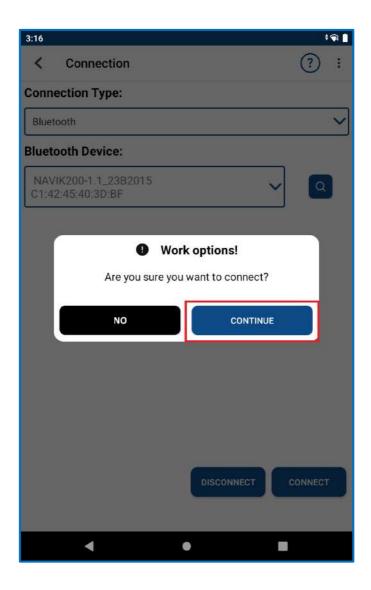
Search for the available devices and select.



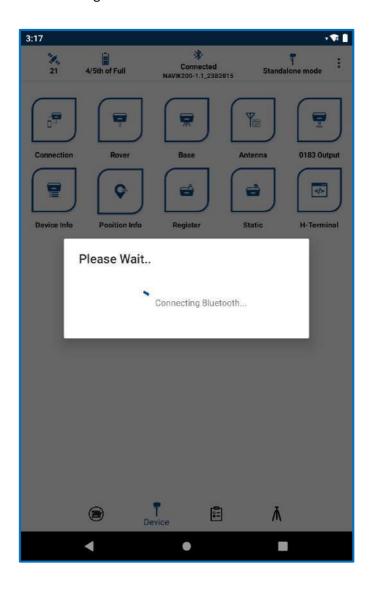
Click on **Connect button** to connect the device with Geo Master Survey app.



Click on **Continue button** to connect device.

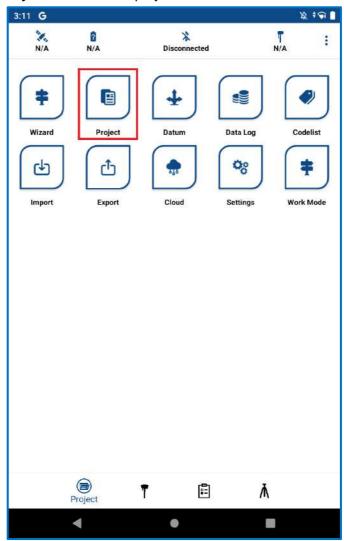


Bluetooth is connecting.



3 Start a New Project

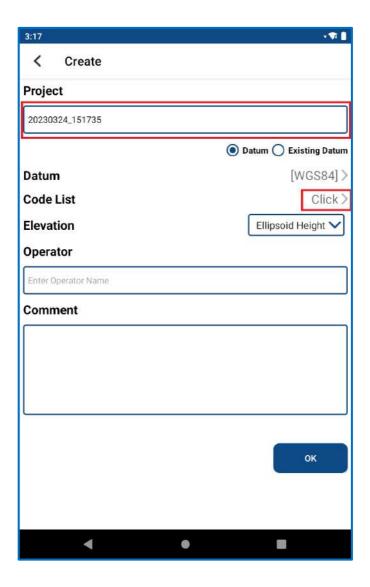
Click on **Project icon** to create project.



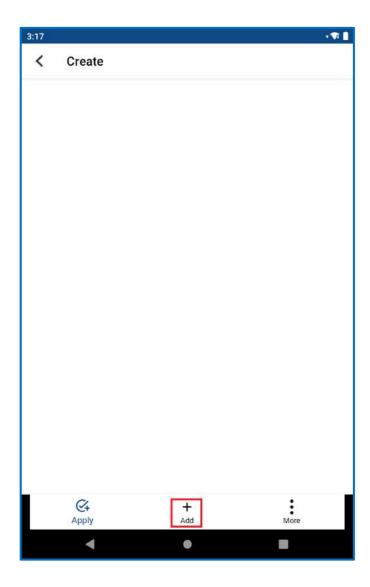
Click on + icon to create new project.



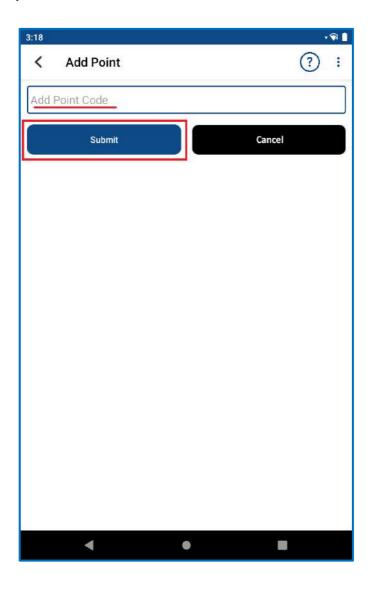
Enter details like project name, datum, code list, etc.



To crete codelist click on add icon.

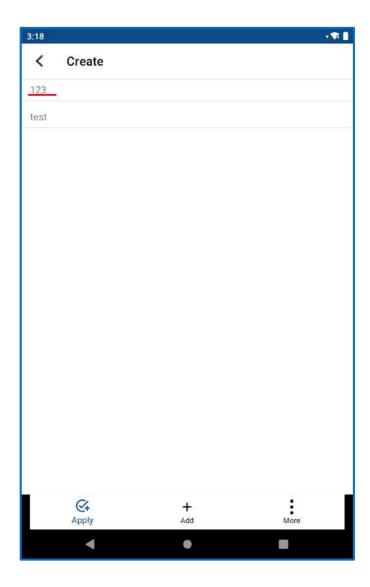


Write any no or letter and click on submit button to create the code list.

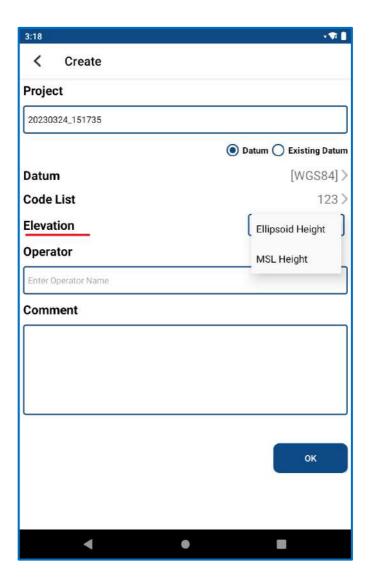


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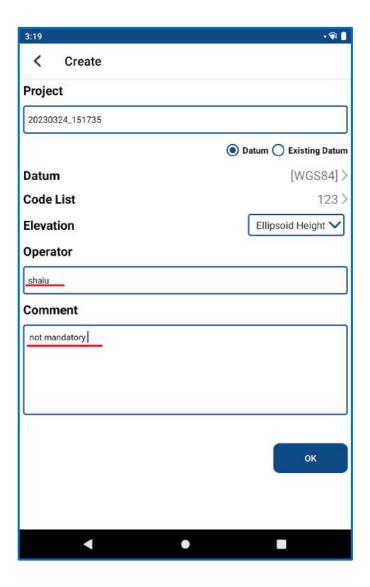
There are **two code lists**. Select any one of them.



Select any one of the elevation height.



Fill the rest of details and click ok.

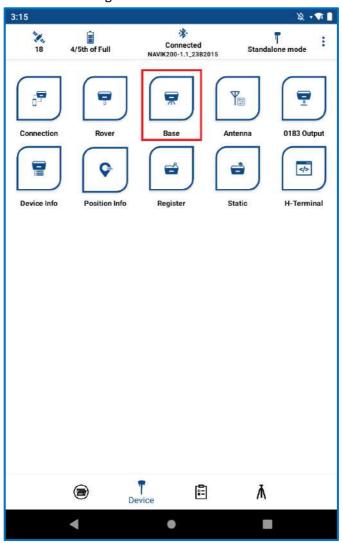


A new project has been created.

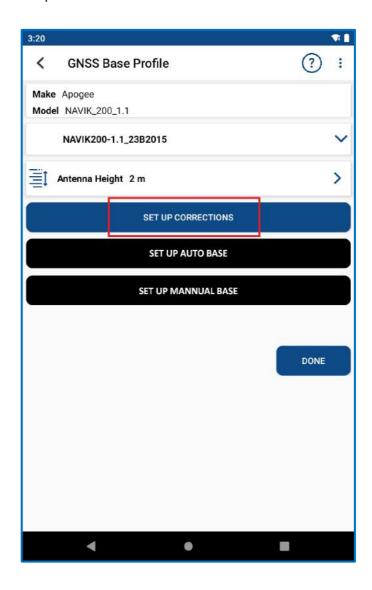


4 Start a Base Station by GeoMaster

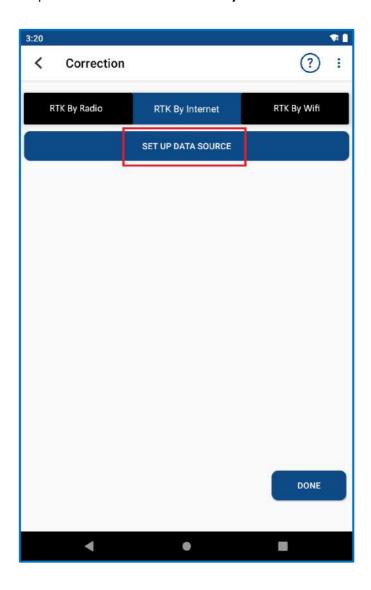
Click on Base icon to configure base.



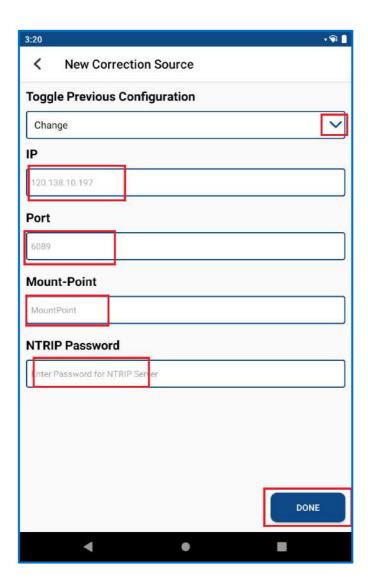
Click on set up correction to connect base.

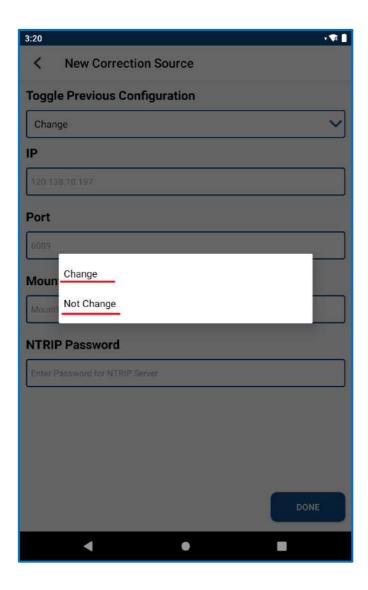


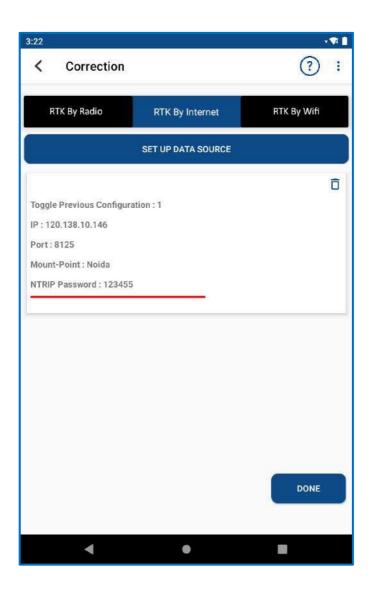
Click on set up Data source to connect base by internet.



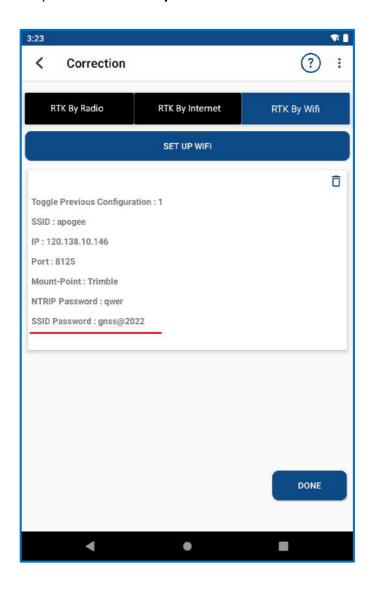
Select the **Toggle Previous Configuration**, fill up rest of the details and click on done.



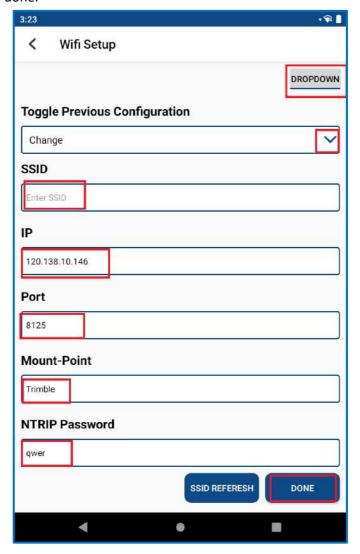




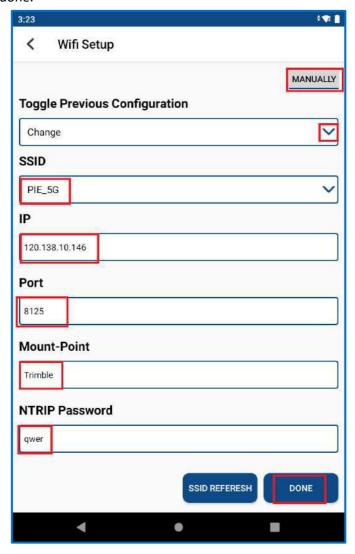
Click on set up Wi-Fi to connect by Wi-Fi.

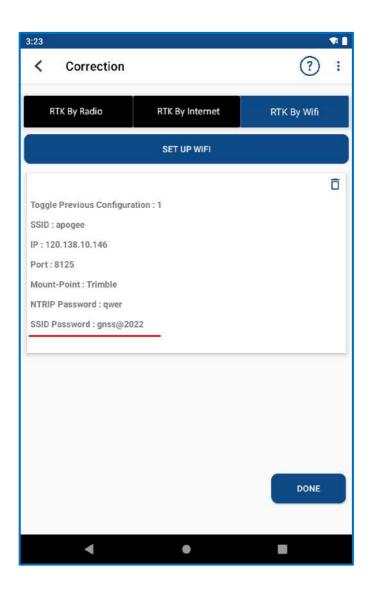


Select the **Toggle Previous Configuration**, fill up rest of the details and click on done.

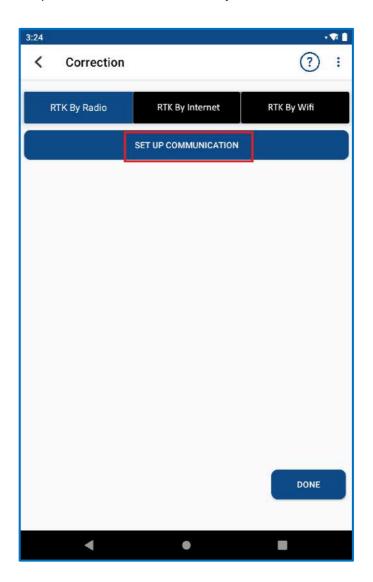


Select the **Toggle Previous Configuration**, fill up rest of the details and click on done.

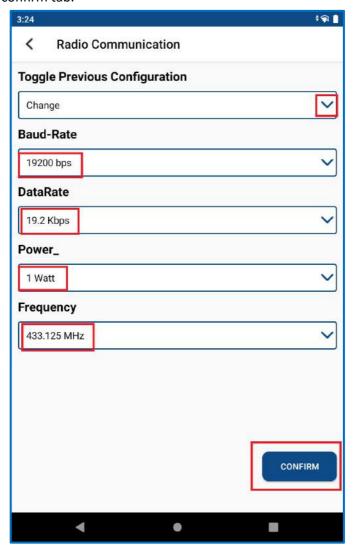


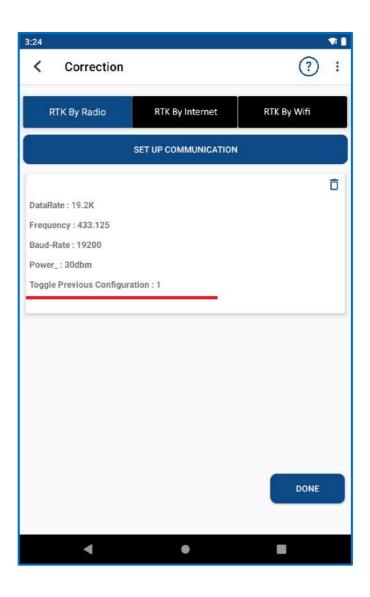


Click on set up communication to **connect by Radio**.

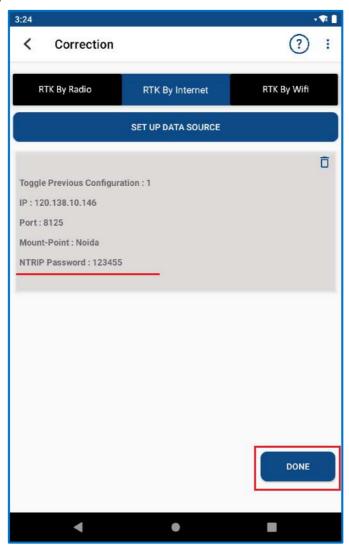


Select the **Toggle Previous Configuration**, fill up rest of the details and click on confirm tab.



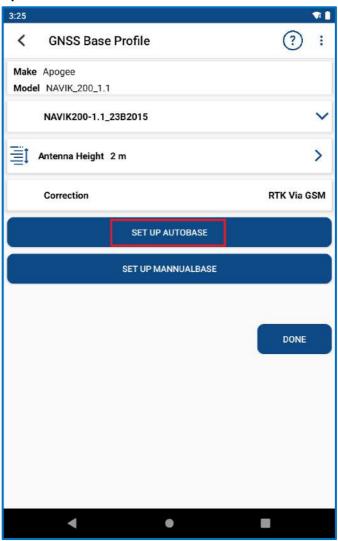


Select the given information and click on Done to **connect base by internet**.

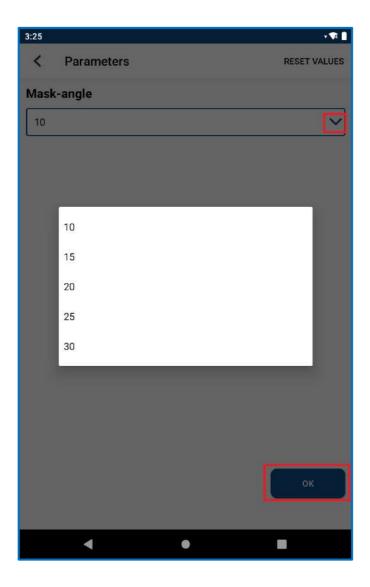


4.1 Auto Base Setup

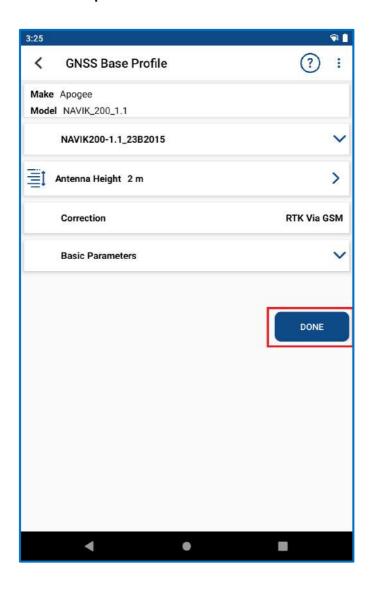
Now, Set up Auto Base.



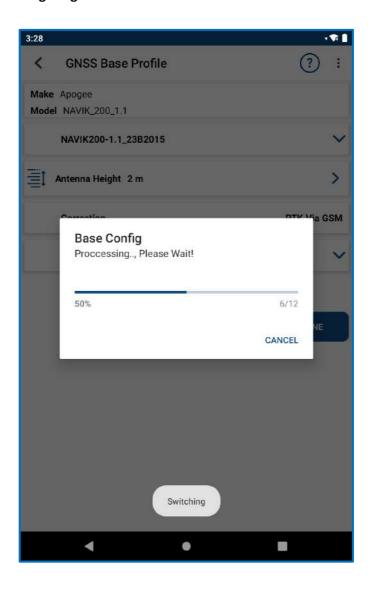
Select Mask Angle from the given options.



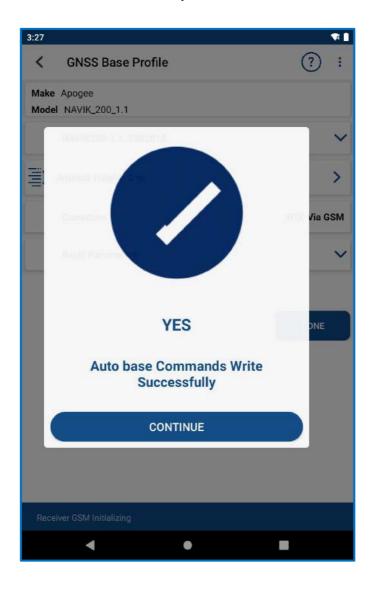
Click on Done to set up auto base.



Base is Configuring.

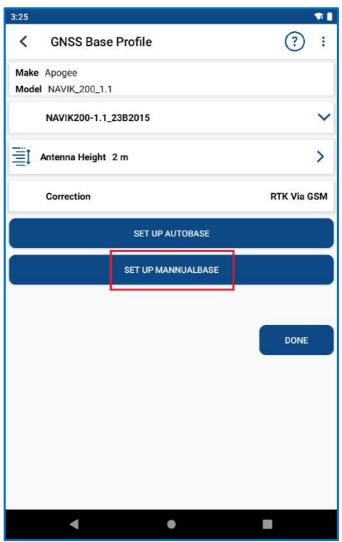


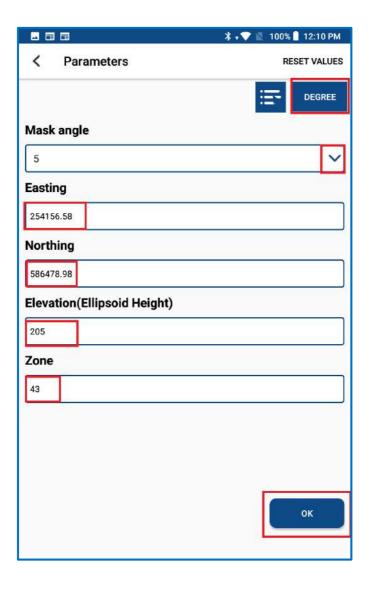
Auto Base has connected successfully.

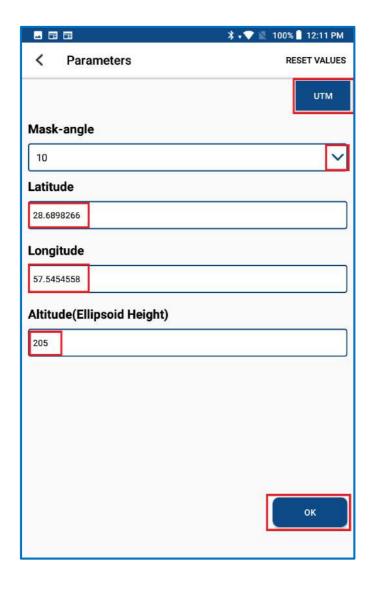


4.2 Manual Base Setup

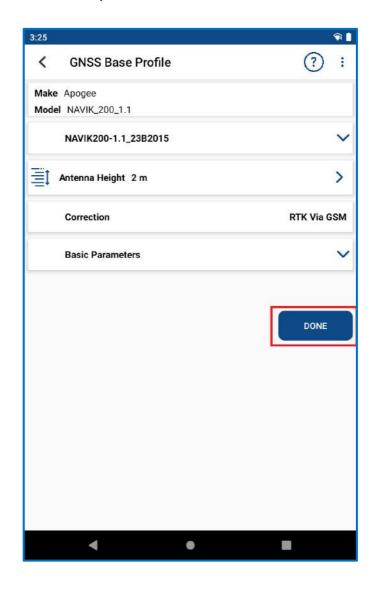
Now, Connect Manual Base.



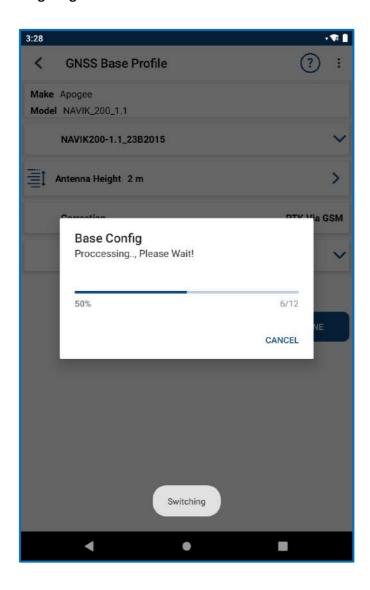




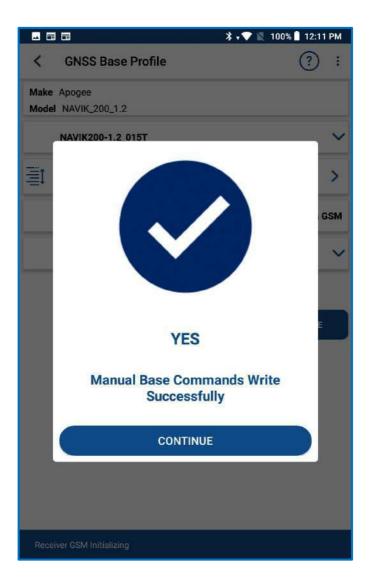
Click on **Done to set up manual base**.



Base is Configuring.

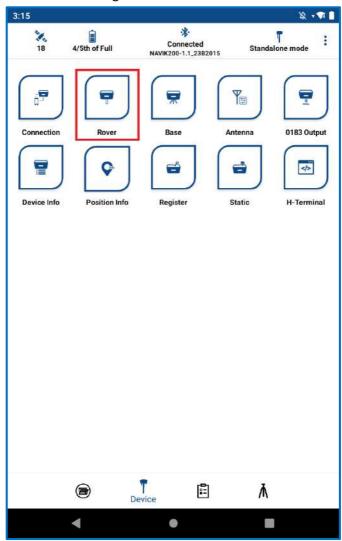


Manual Base has connected successfully.

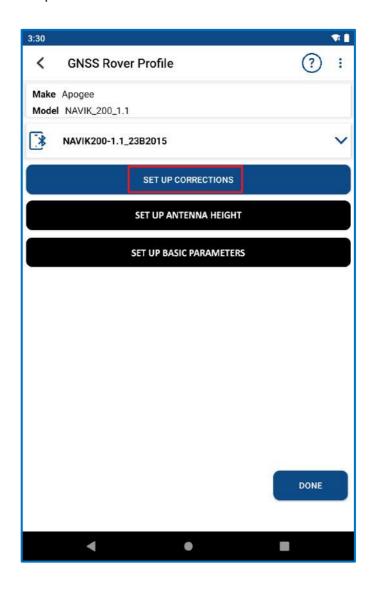


5 Start Rover Station by GeoMaster

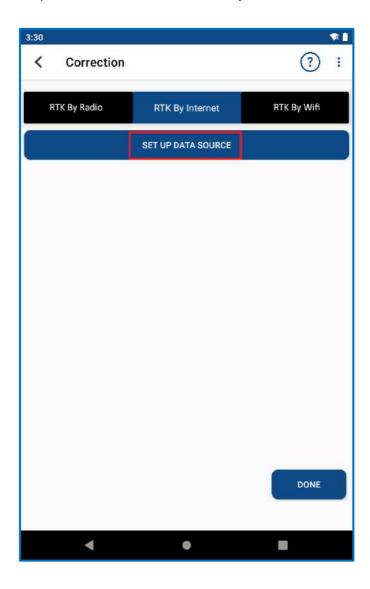
Click on Rover icon to configure Rover.



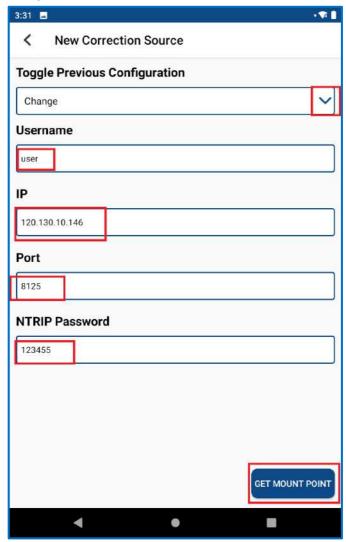
Click on set up correction to connect Rover.



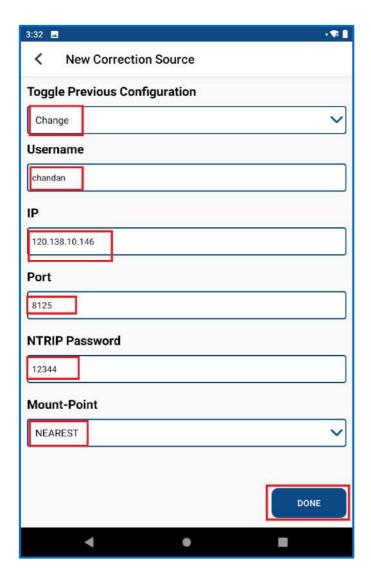
Click on set up Data source to connect rover by internet.

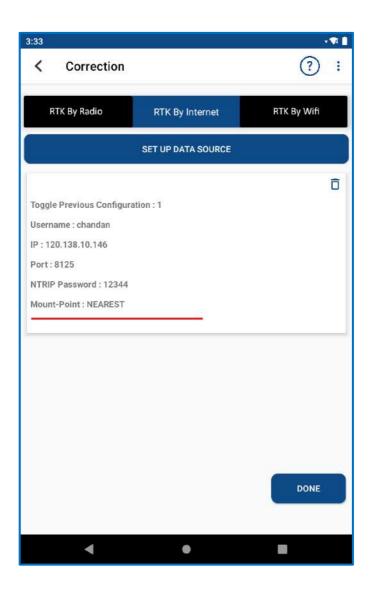


Enter IP address and Port of the CORS server which are provided by the Network RTK Service Provider. Enter your **Username** and **Password**. Click on **Get Mountpoints**.

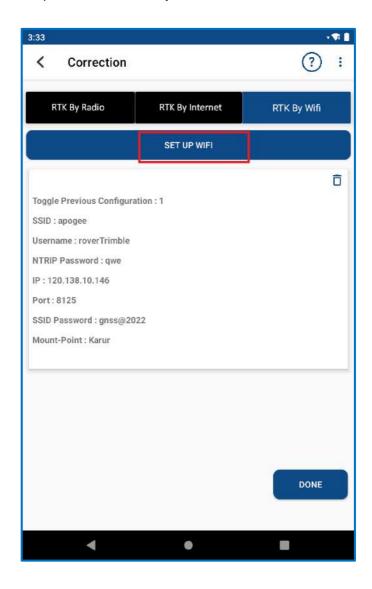


Click on **Done** to connect by internet.

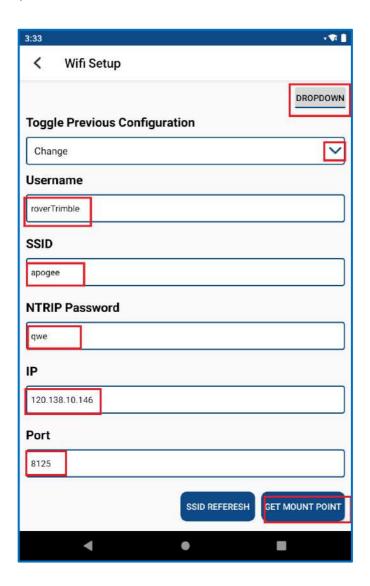




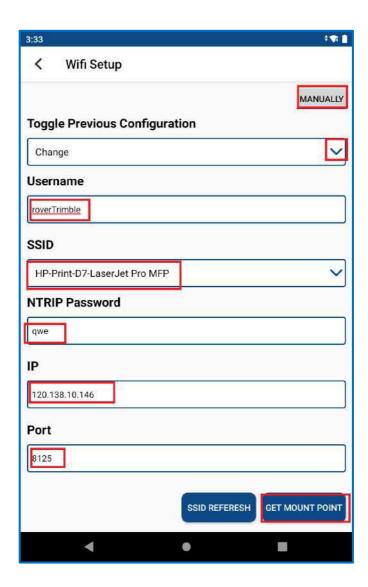
Click on set up Wi-Fi to connect by Wi-Fi.

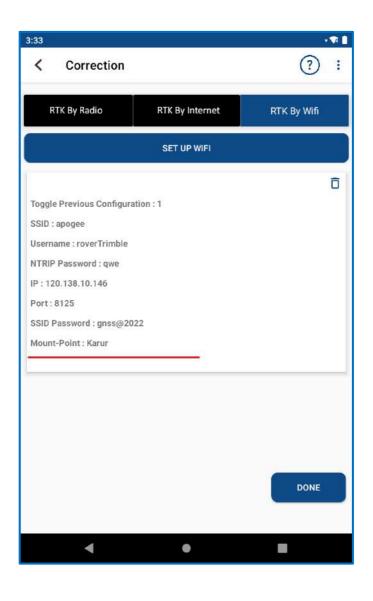


Select the **Toggle Previous Configuration**, Enter **IP**, **Port**, **Username**, **Password**, **SSID** and click on **done**.

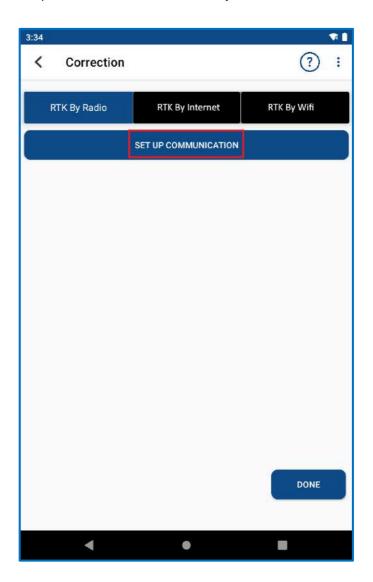


Select the **Toggle Previous Configuration**, fill up rest of the details and click on done.

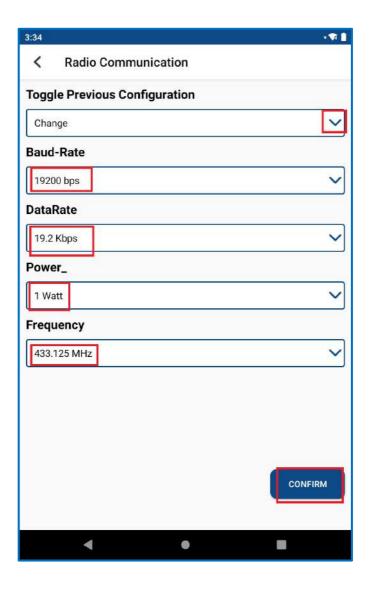


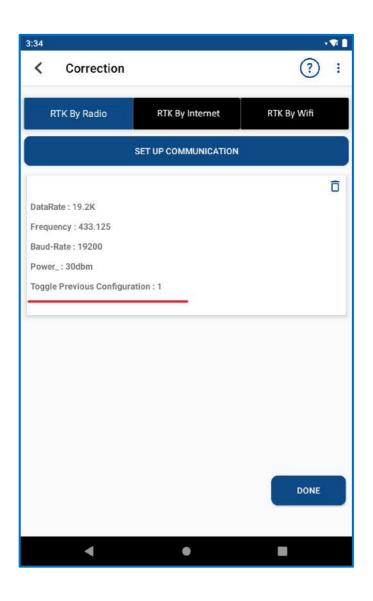


Click on set up communication to **connect by Radio**.

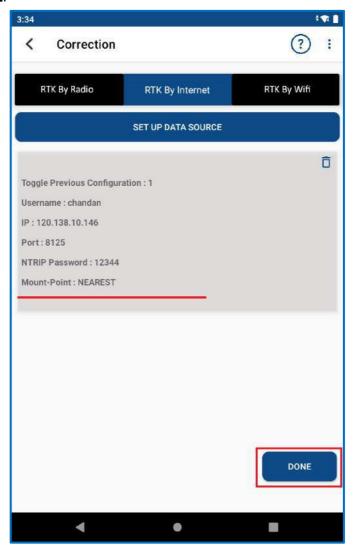


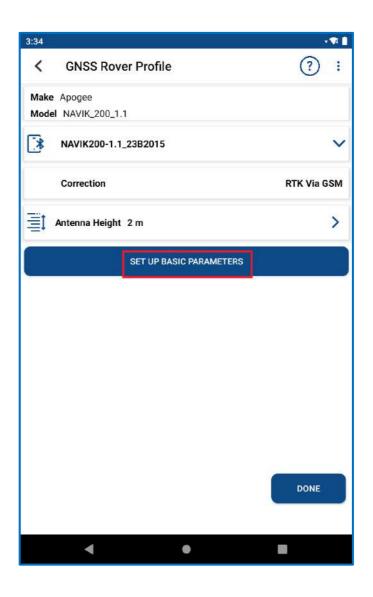
Select the **Toggle Previous Configuration**, fill up rest of the details and click on confirm tab.



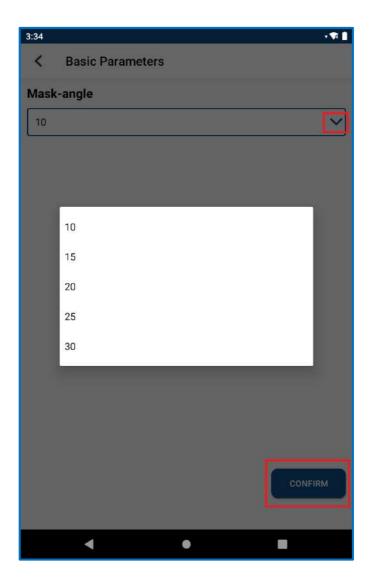


Select the given information and click on Done to **connect base by internet**.

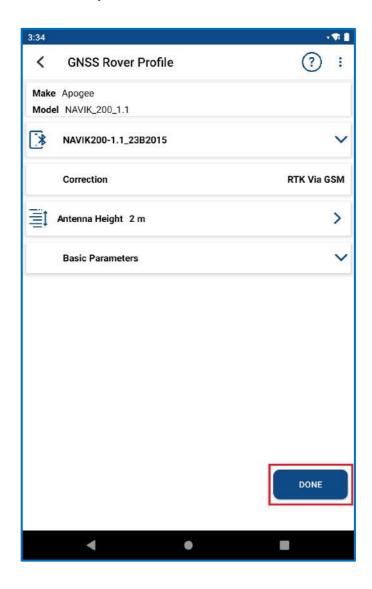




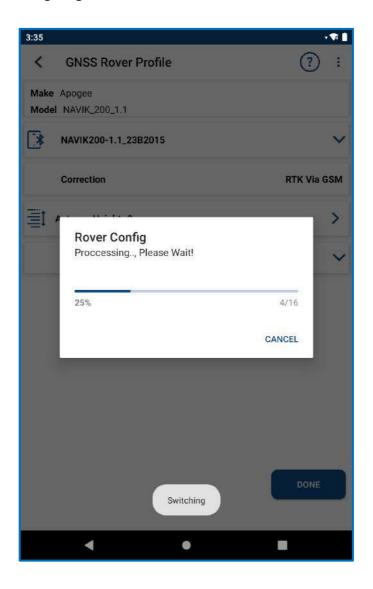
Select Mask Angle from the given options.



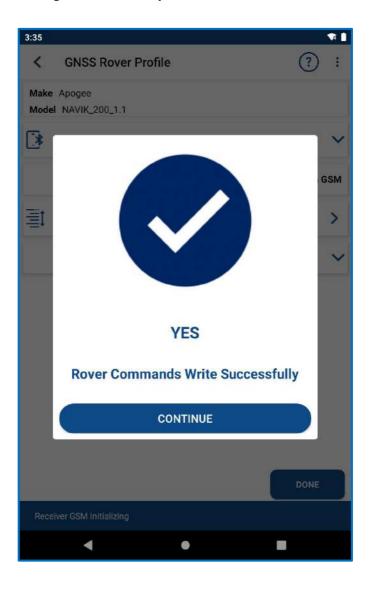
Click on Done to set up rover.



Rover is configuring.

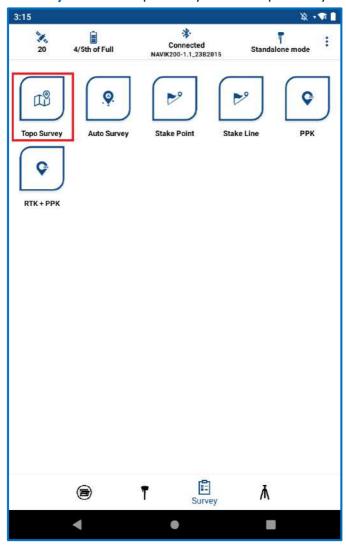


Rover has configured successfully.

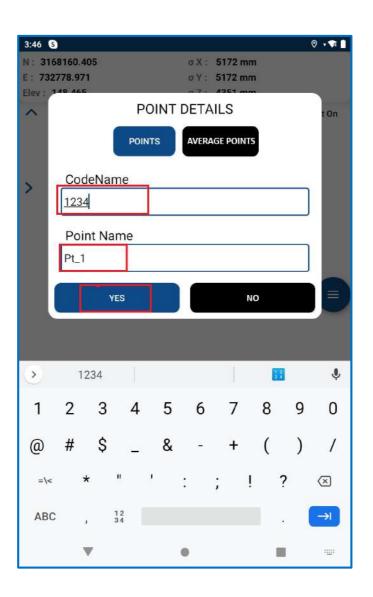


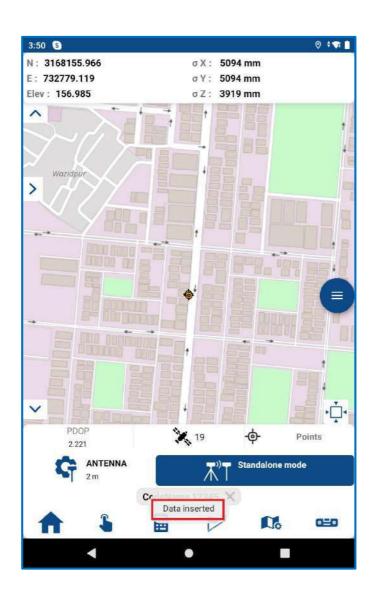
6 Basic Survey Functions:

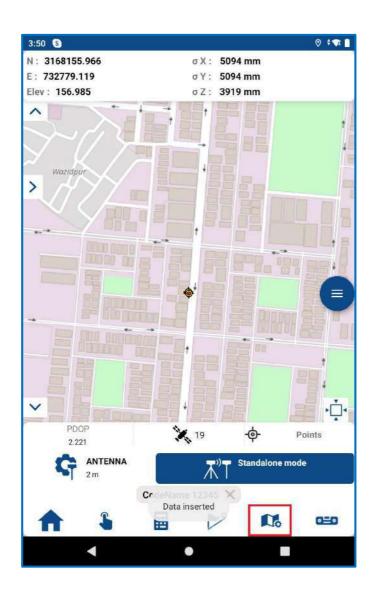
6.1 Topo Survey: Now for Topo Survey click on Topo Survey icon.

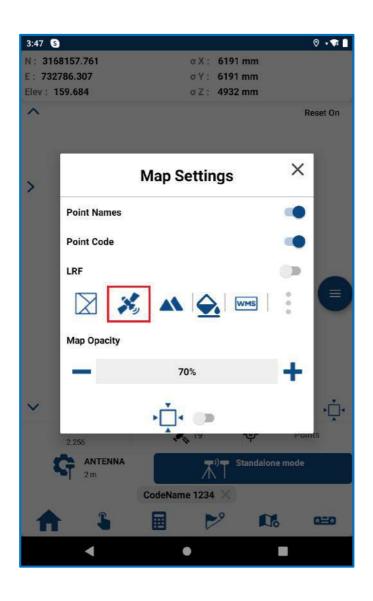








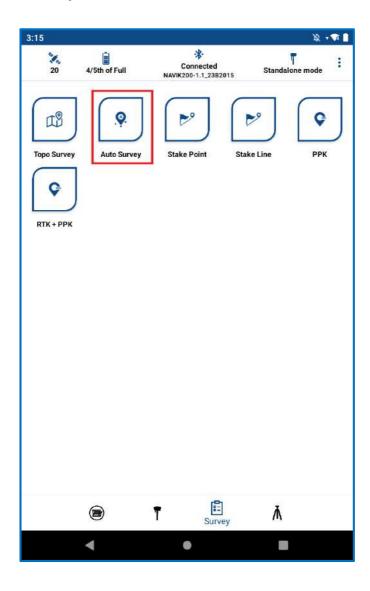




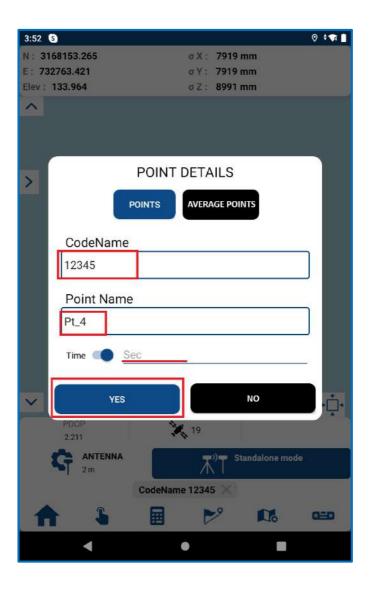


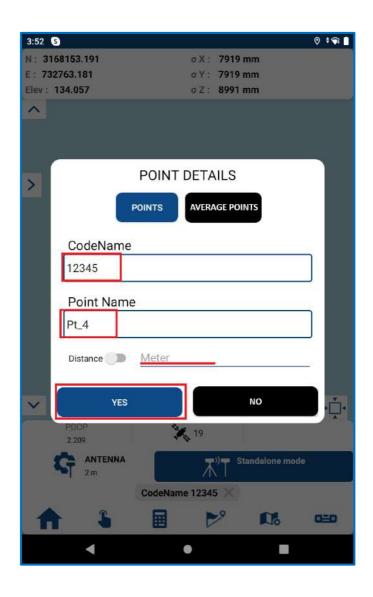


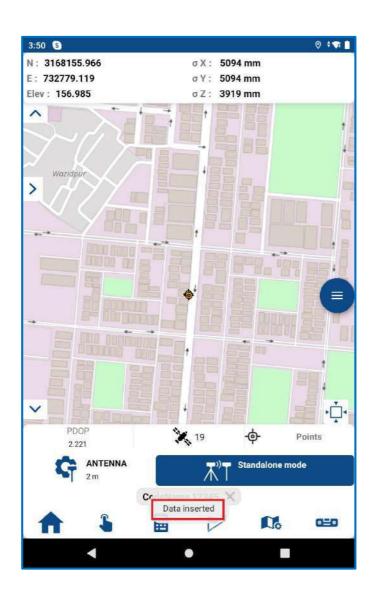
6.2 Auto Survey

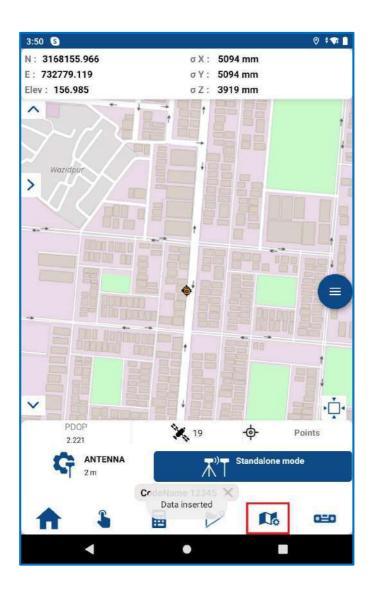


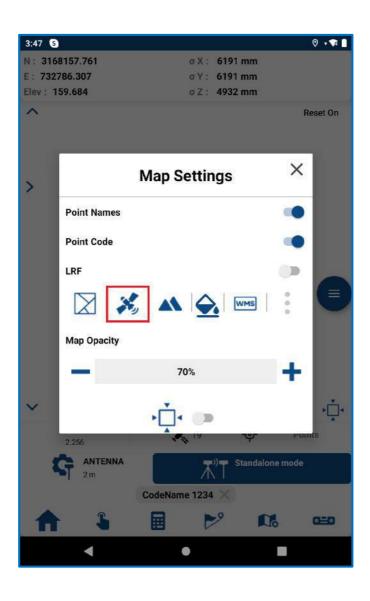








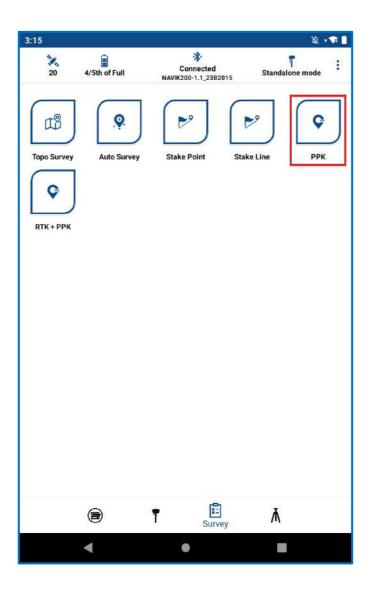


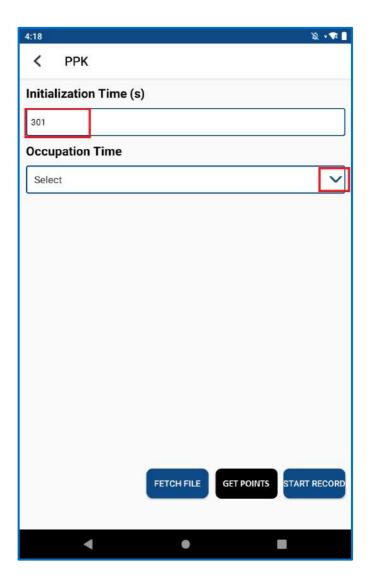


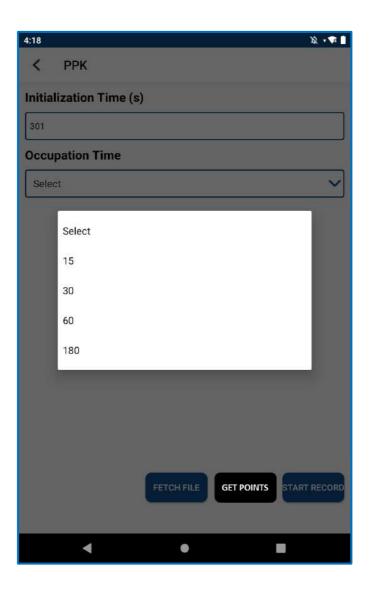


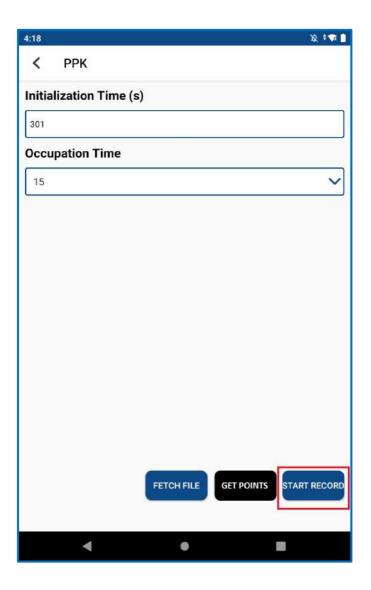


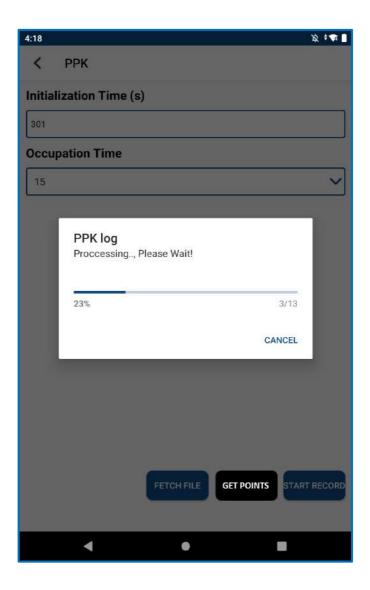
6.3 PPK





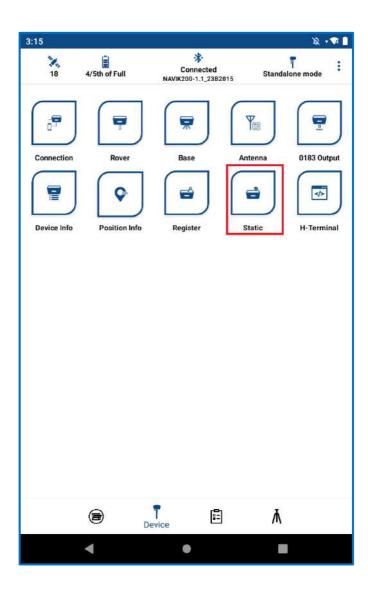


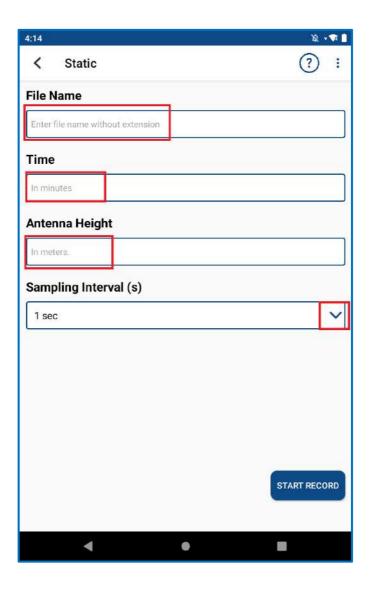


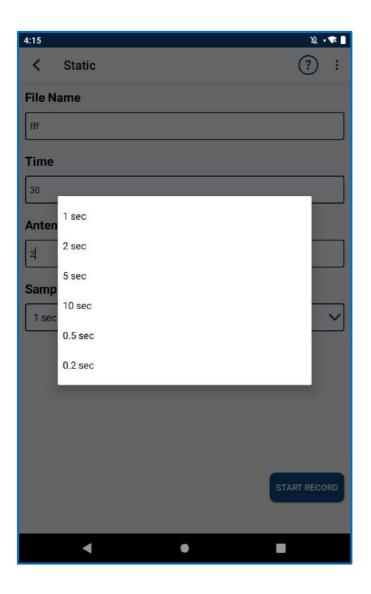


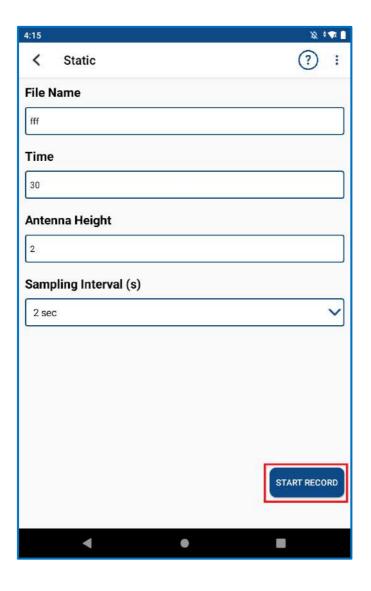


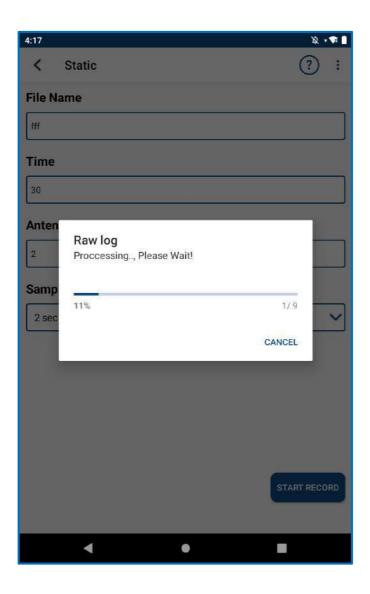
6.4 Static

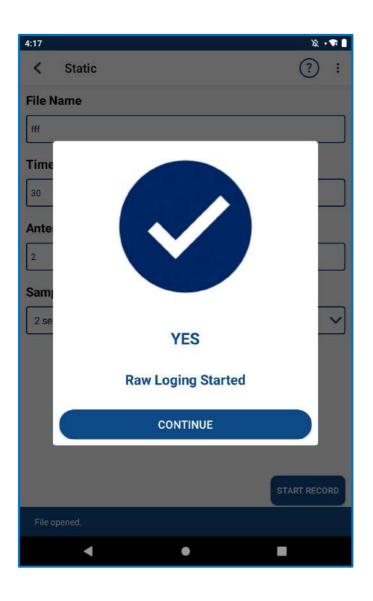


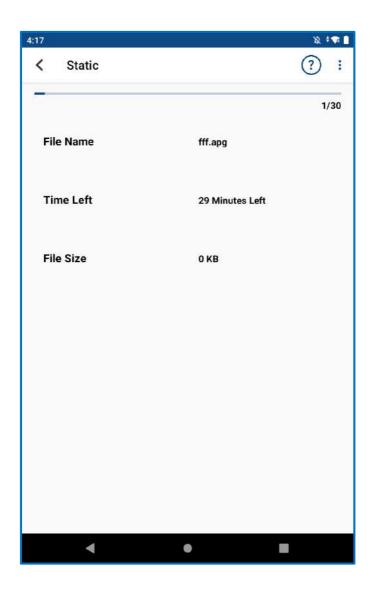




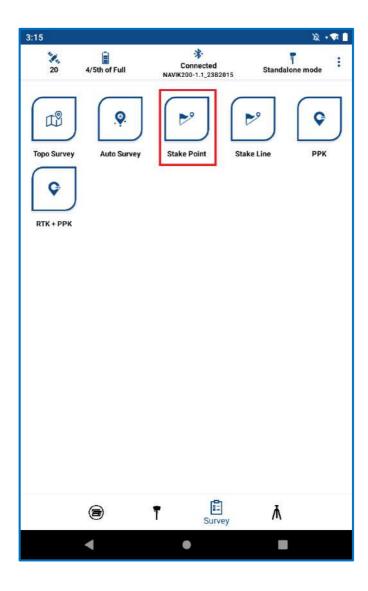


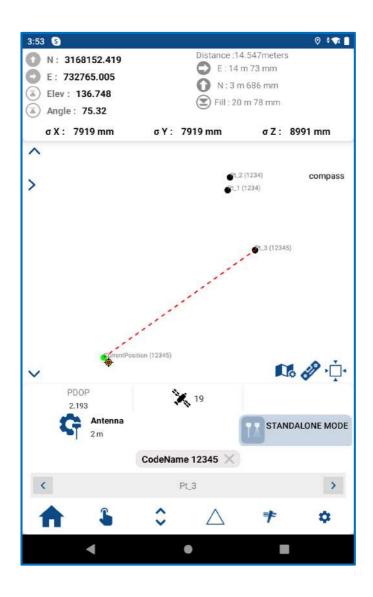


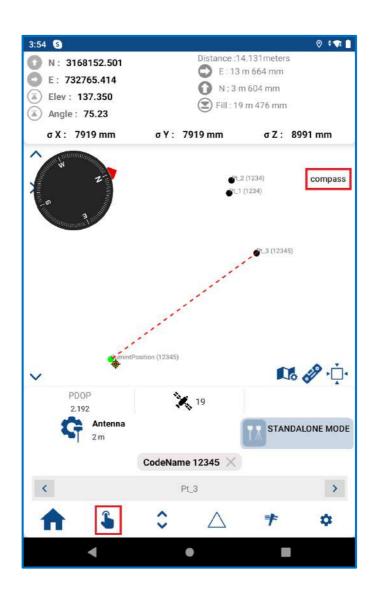


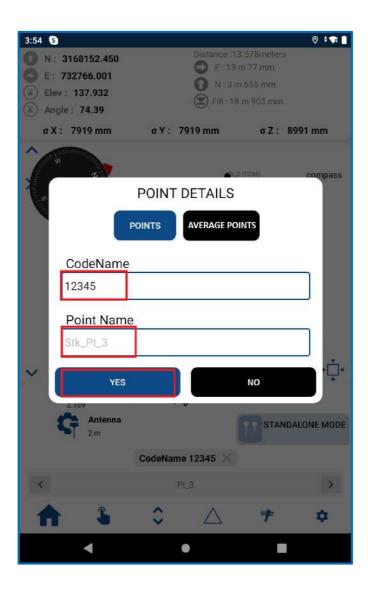


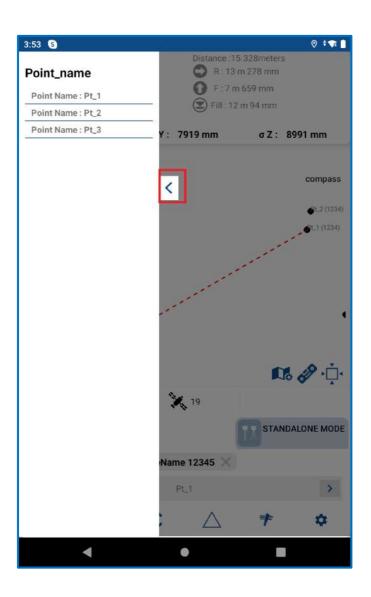
6.5 Stake Point





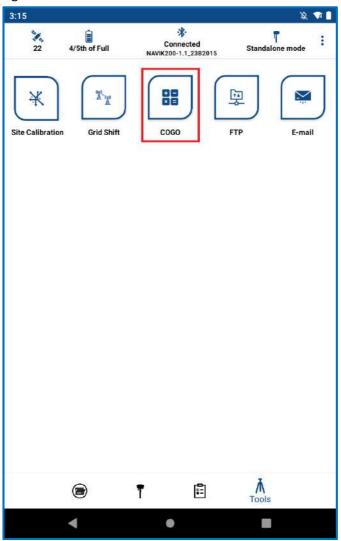




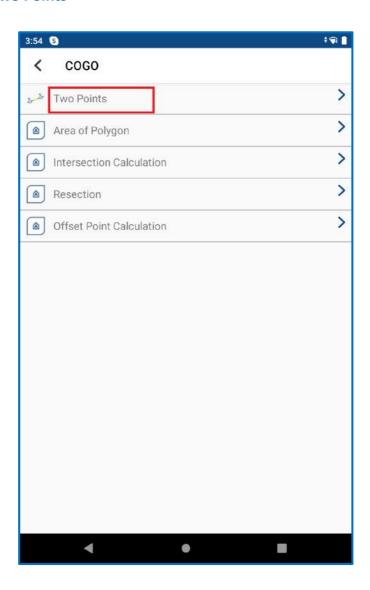


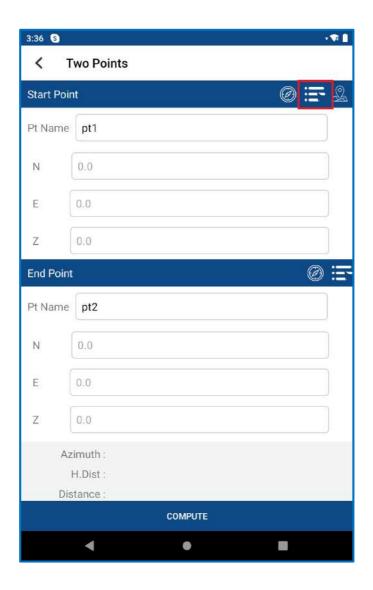
7 Cogo

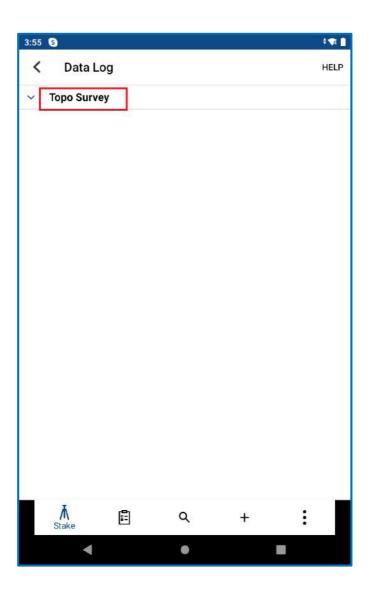
Click on Cogo icon

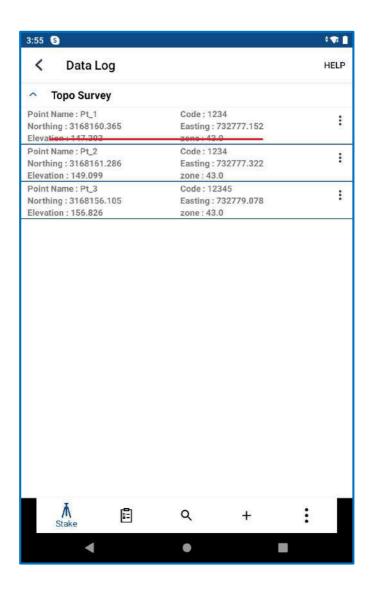


7.1 Two Points

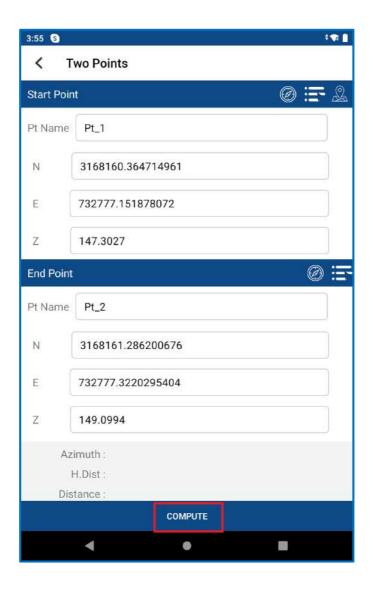






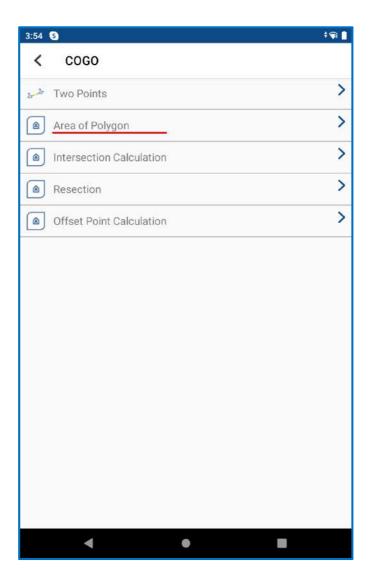


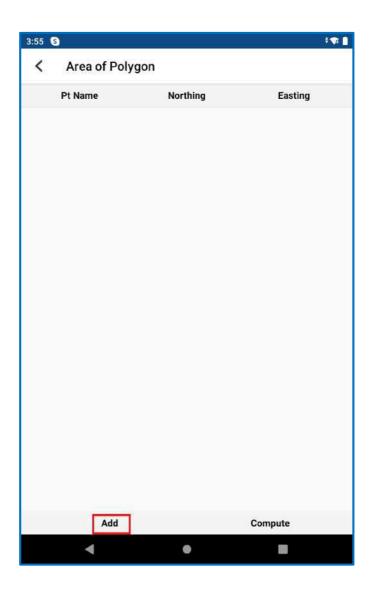


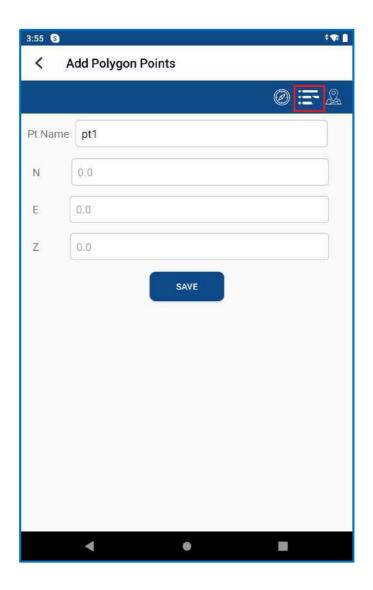


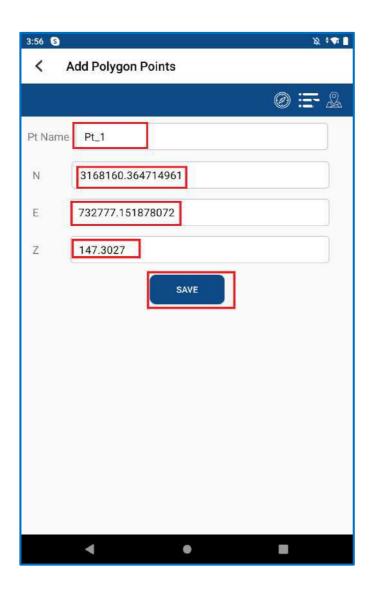


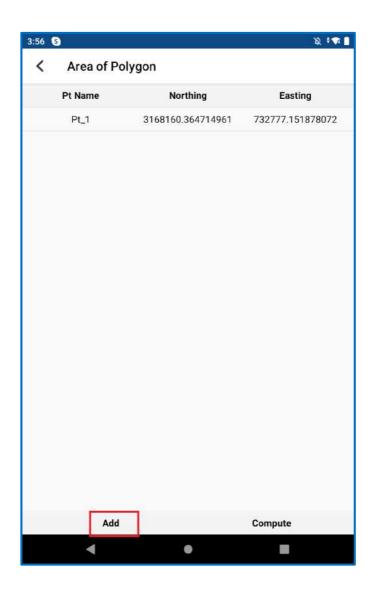
7.2 Area of Polygon





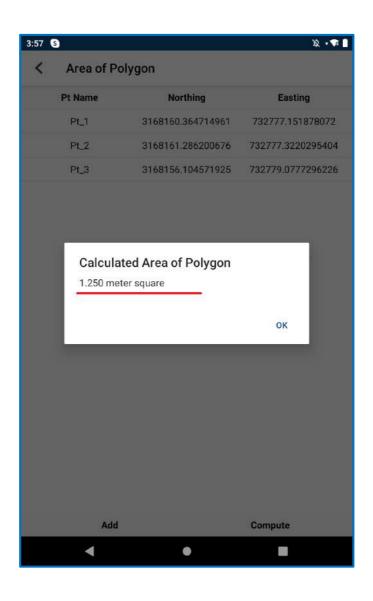




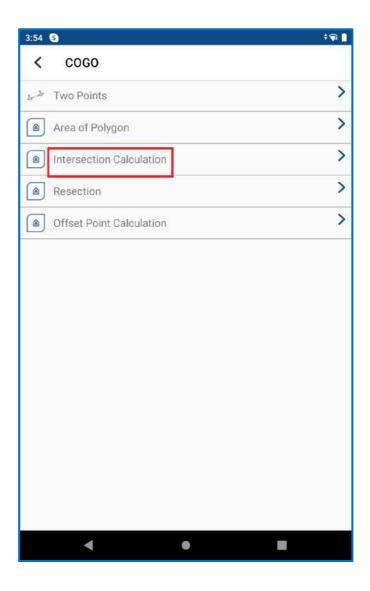


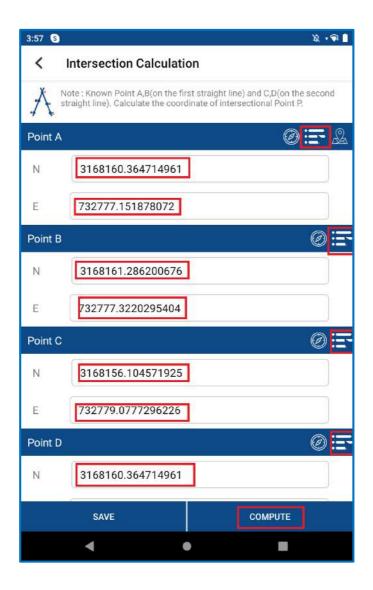


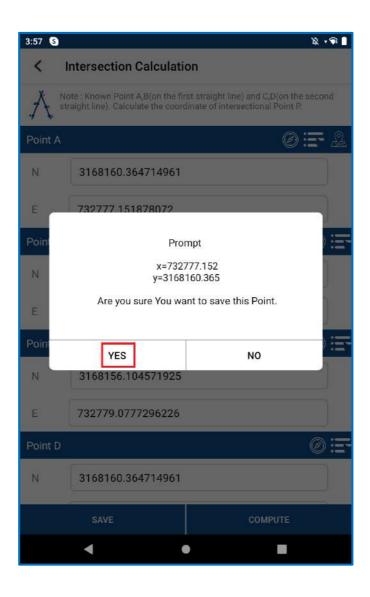


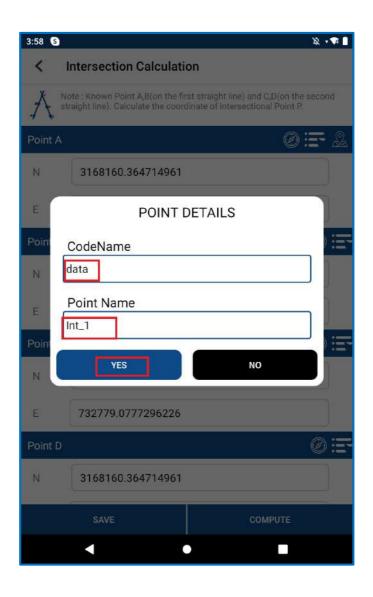


7.3 Intersection Calculation

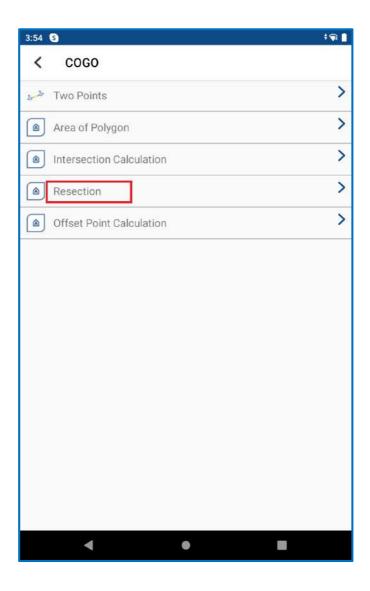


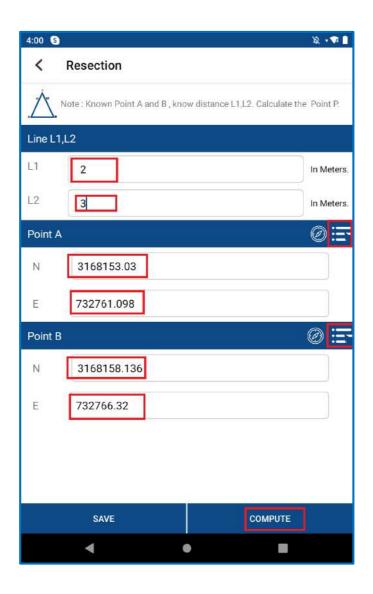


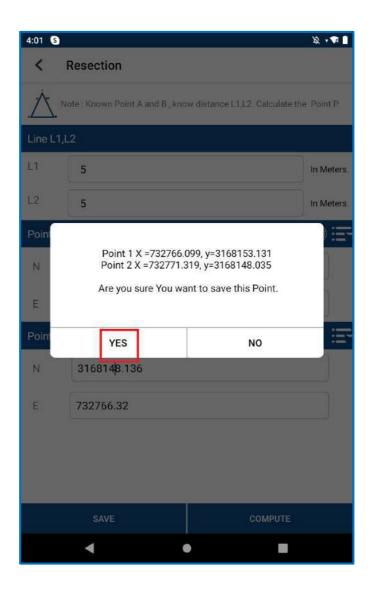




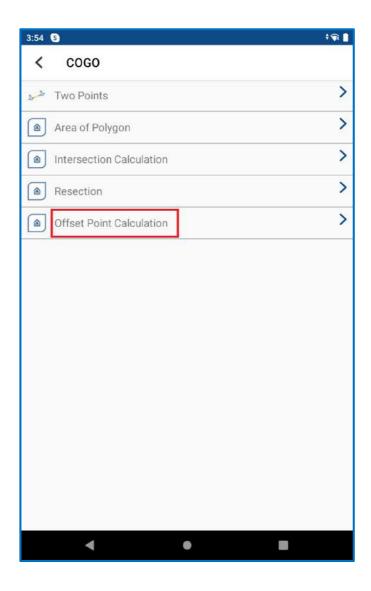
7.4 Resection

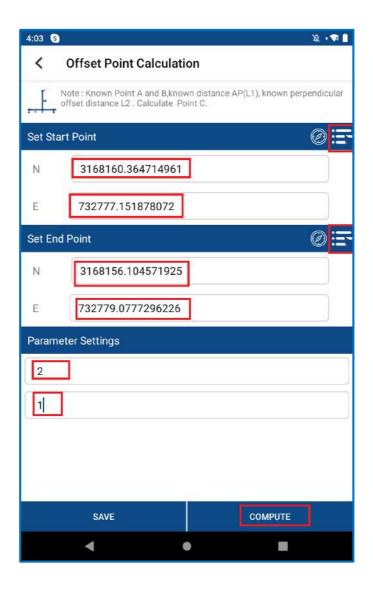


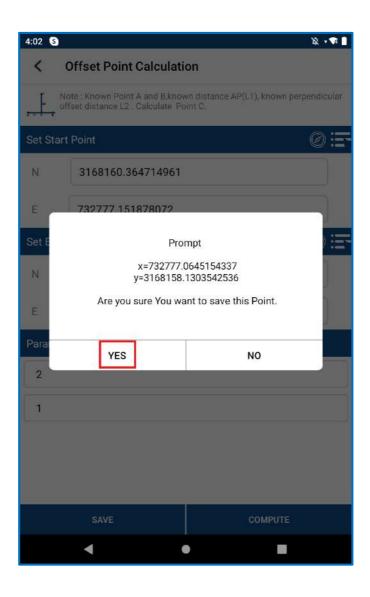




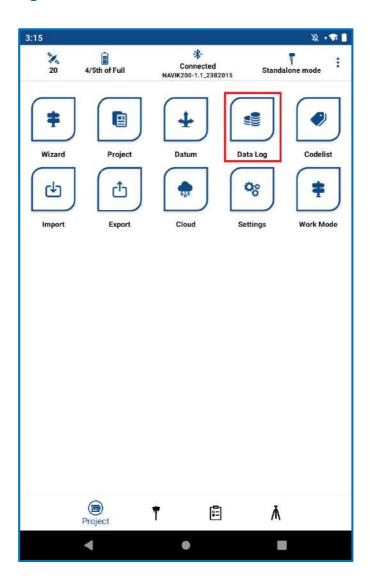
7.5 Offset Point Calculation

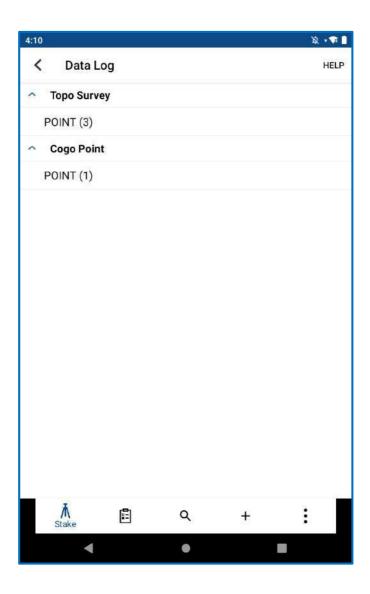




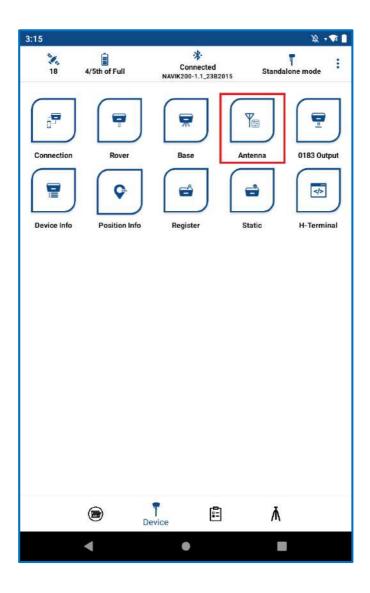


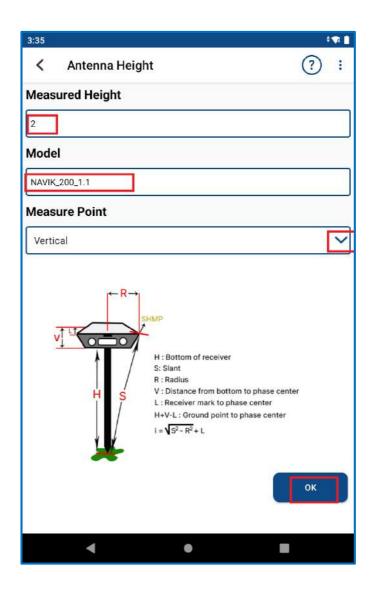
8 Data Log



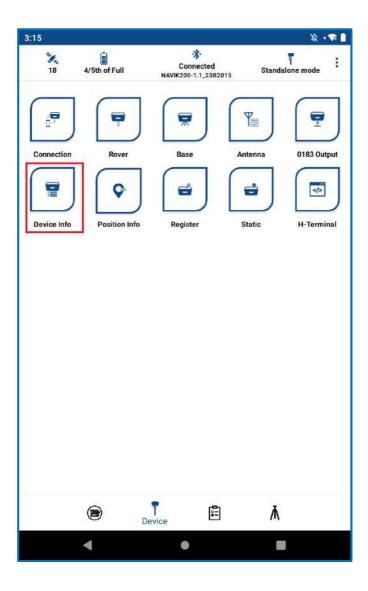


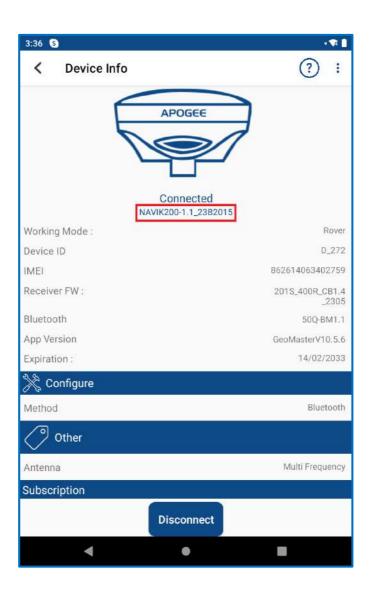
9 Antenna





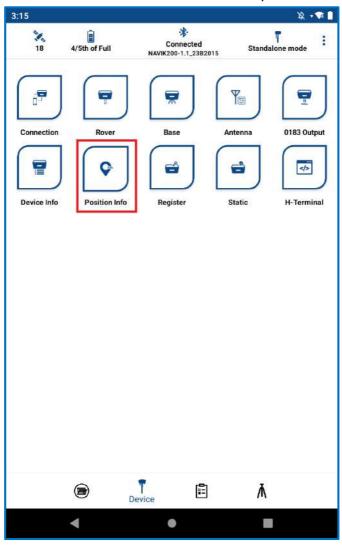
10 Device Info



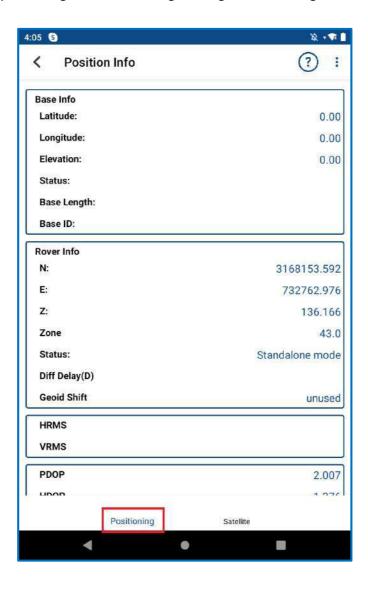


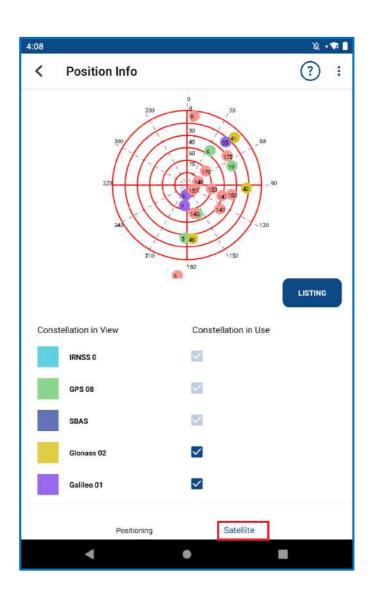
11 Position Info

Click on **Position Info** to know about the location of your device.

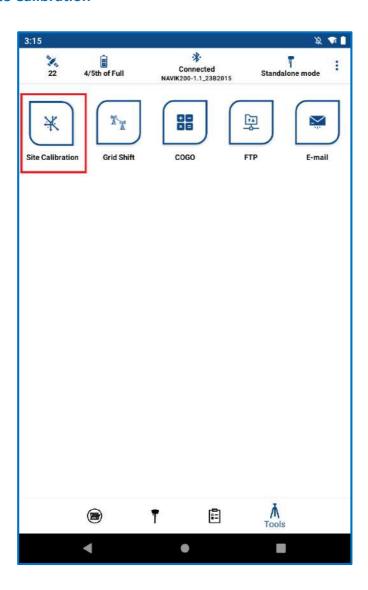


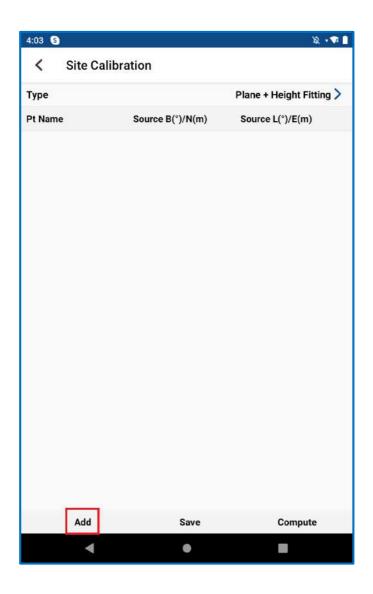
Click on positioning to know Northing, Easting, Latitude, Longitude etc.

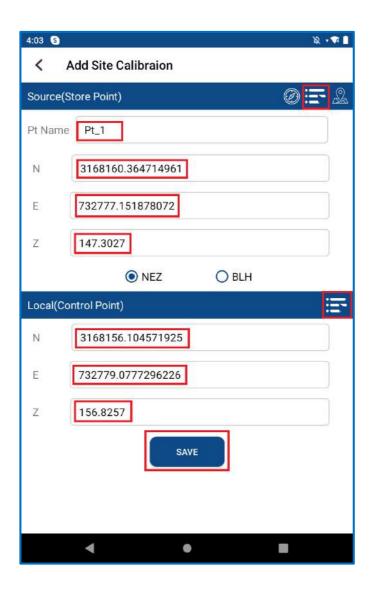




12 Site Calibration

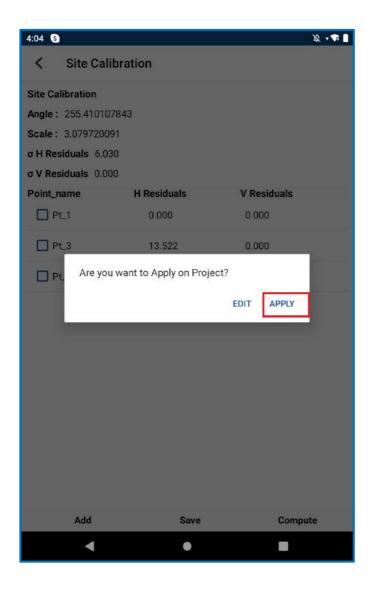




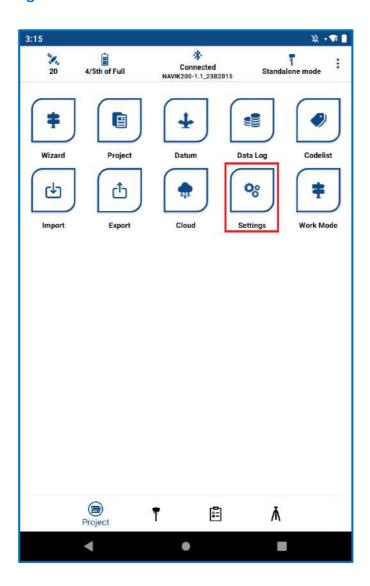


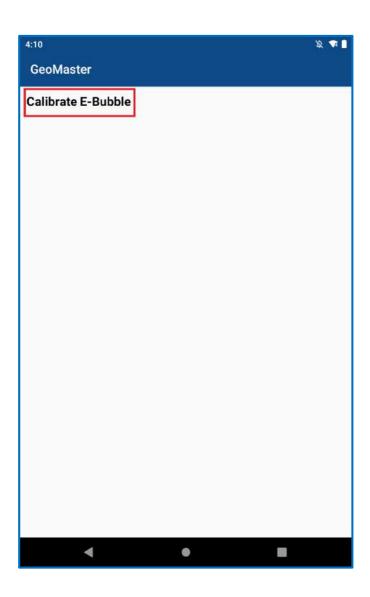


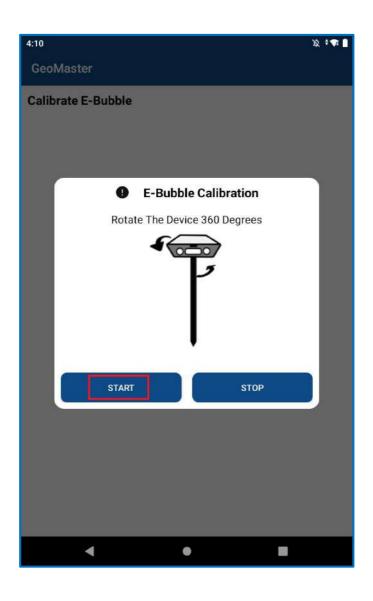


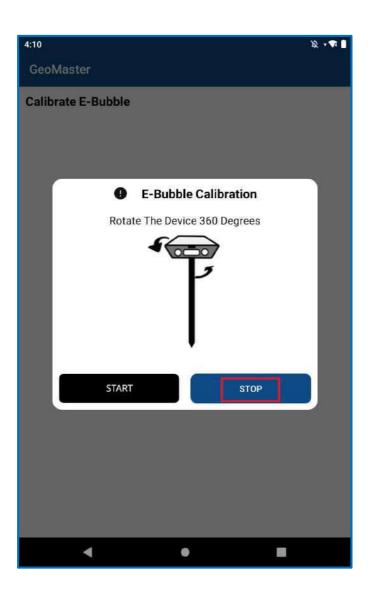


13 Settings



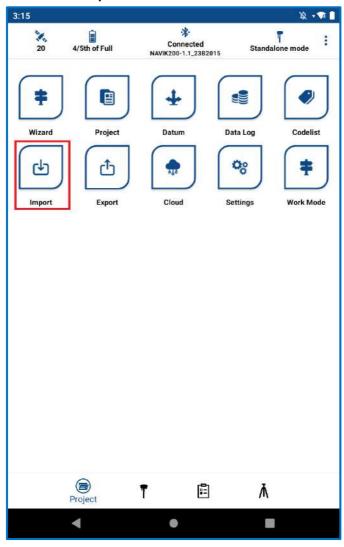




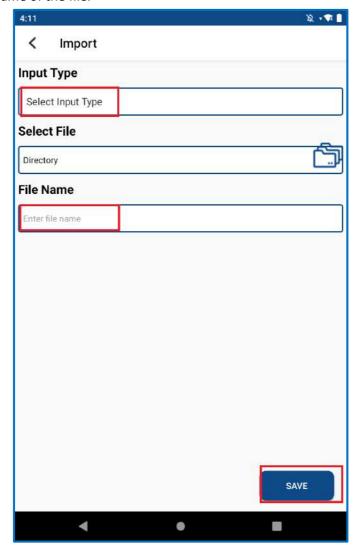


14 Data Import

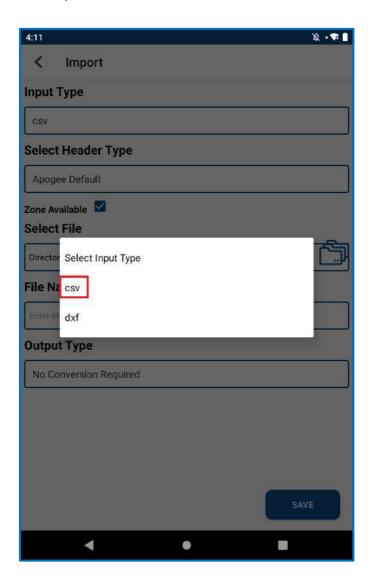
To import file click on Import icon

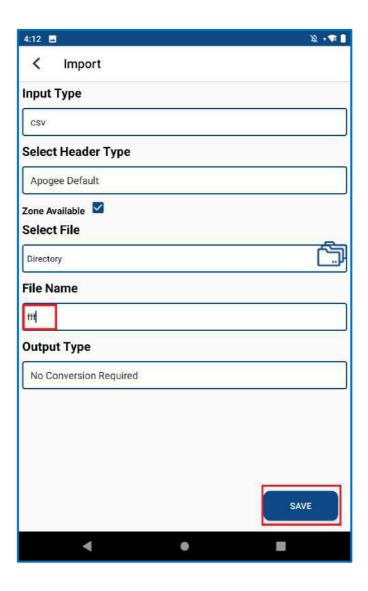


Enter input type of file, Select file from the internal folder of controller and enter name of the file.



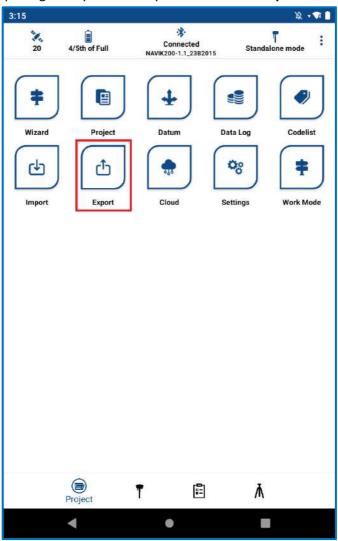
You can import file in custom formats.



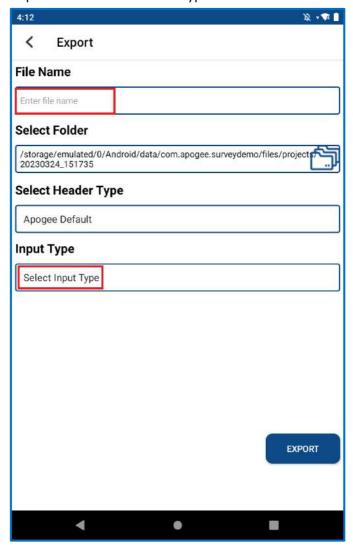


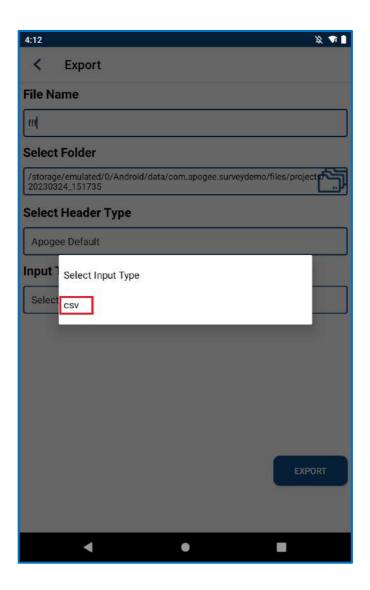
15 Data Export

After completing survey work to export data click on **Export** icon.

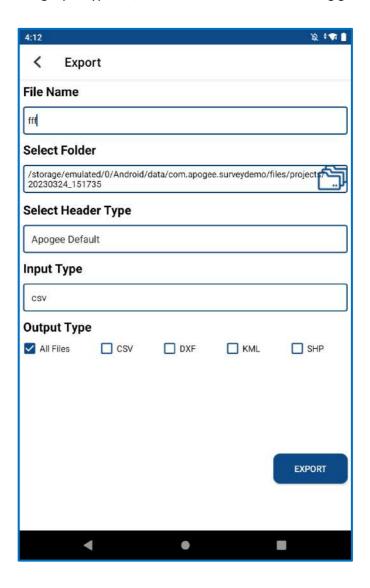


Enter file namewhat you want to give your file and select input type of the file from given options. Folder and header type are default.

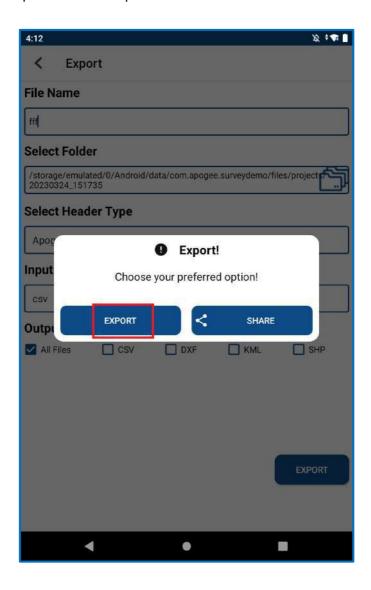


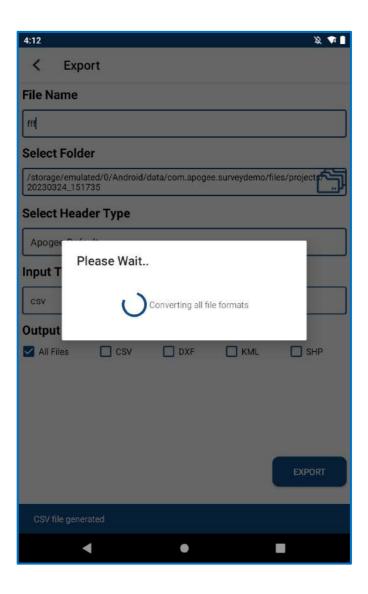


After selecting input type csv, select desired file format among given options.



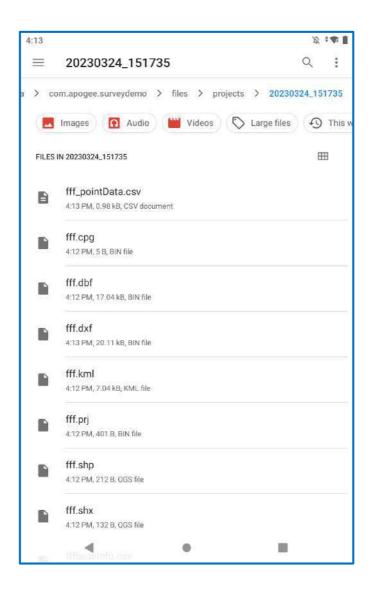
Click on Export button to export the data.





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Data will store on internal memory of controller. To open it visit path of the folder.



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