

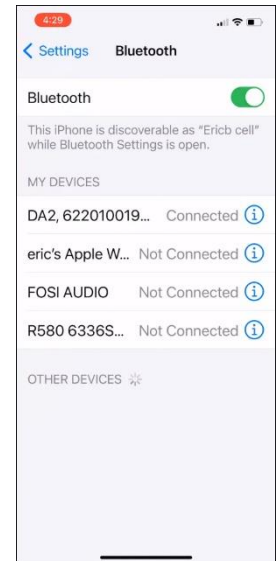
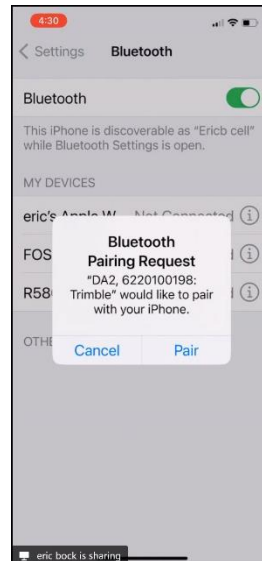
## Configure esri Survey 123 on iOS using Trimble DA2 (3/2025)

### Download Apps

- Connect your handheld to an internet source using the Wi-Fi settings in the settings menu
- Go to App store
- Install the Trimble Mobile Manager (TMM) App and Survey 123 applications

### Connecting via Bluetooth to Trimble DA2 GNSS receiver

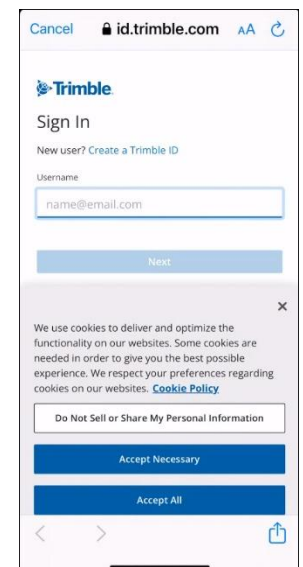
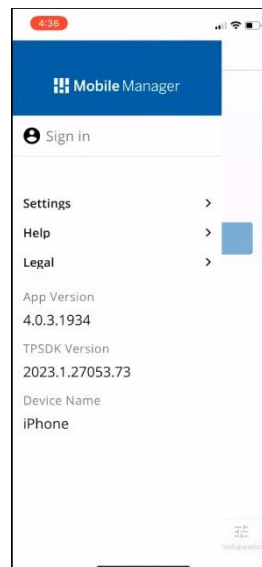
- Power up the Trimble DA2
- Go into the mobile device Bluetooth settings and make sure **Bluetooth is On**
- The Trimble DA2 should show in the under **“other devices”** along with the serial number. **Click on it to Connect**
- Note\* In some versions of iOS the DA2 bluetooth will appear as a popup asking you to **PAIR**.



### Configure Trimble Mobile Manger (TMM)

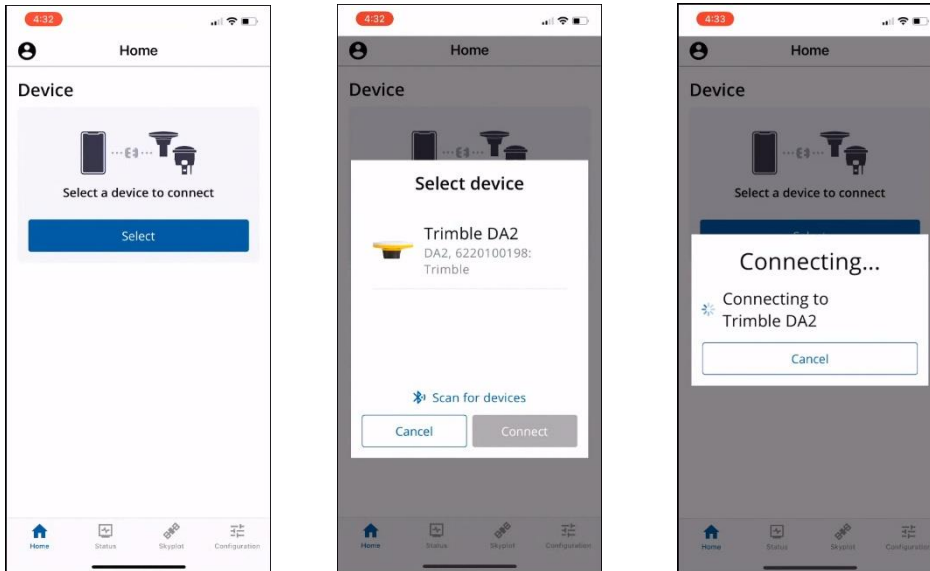
#### Sign into TMM

- Run TMM
- On Home Screen, click on the Profile Icon in the top left corner of the application.
- **Click on Sign in.** This will bring you to a web browser. Sign in with your Trimble ID that has the Trimble Catalyst License Assigned to it.

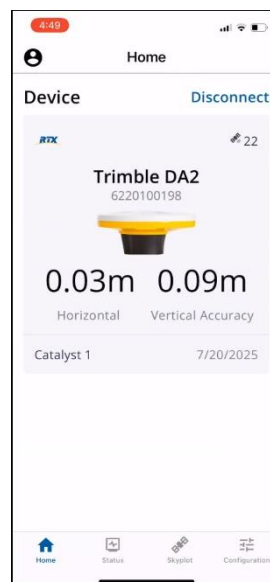


## Connect to Trimble DA2

- On the TMM Home Screen, choose **Select** under Select a Device to Connect
- Choose your Trimble DA2 to highlight it, then click on **Connect**

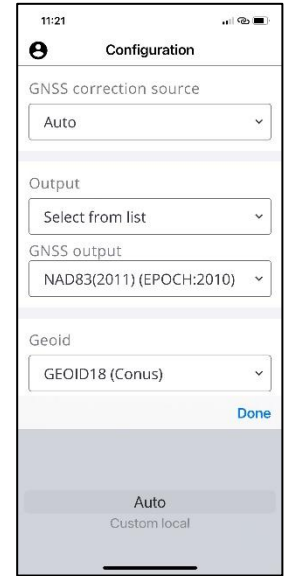
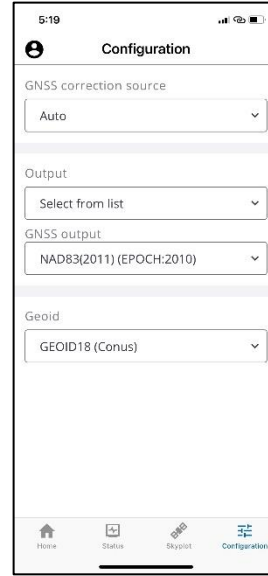


- Once connected the application will show Device Name, battery life, number of satellites, horizontal & vertical accuracies, and real-time type along with the expiration date.



## Configuring real-time and output

- The configuration menu is located at the bottom righthand corner of the application screen
- **GNSS Correction Source:** There are 2 options, **Auto** or **Custom local**
  - **Use AUTO for Catalyst.** This will use the Trimble Correction Hubs that includes SBAS, RTX satellite or RTX Internet, and Trimble VRSnow real-time corrections.
  - Use Custom local when inputting your own base station or a local VRS



## Output

- Options are **Auto** or **Select from list**. Choose **Select from list**

## GNSS Output

- Set it to **NAD83 (2011) (EPOCH 2010)**

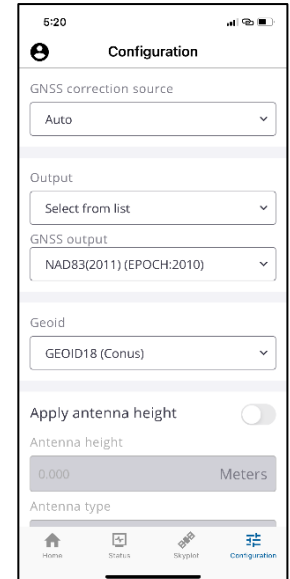
## Geoid

- Set the Geoid to **GEOID18 (Conus)**

(Real time correction may require an internet connection/cell signal) If you are not connected to an internet source, select Auto and your unit should revert to SBAS or RTX Satellite (if purchased).

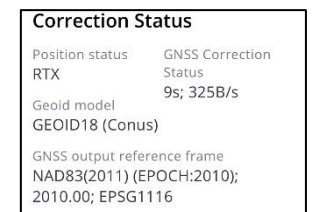
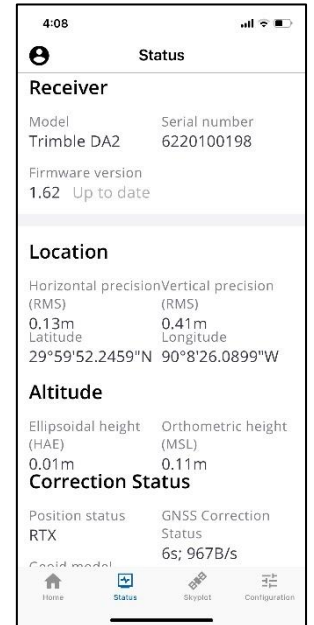
## Apply Antenna Height

- Only turn this on if you are using apps other than Trimble TerraFlex or Esri Field Maps, or ones that don't have the option for you to enter an antenna height.
- Setup units and antenna height as needed.



## Test the Trimble DA2 and real-time corrections in Trimble Mobile Manager

- Take the Trimble DA2 outside in an open sky location
- Run the Trimble Mobile Manager app.
  - On the TMM home screen ensure that your Trimble DA2 is connected
  - Verify that you are tracking satellites.
    - You will need at least 4 satellites to display a position.
    - Note, some real-time corrections may require access to the internet
- Choose the **Status icon** in the bottom middle of the application screen
  - **Receiver**
    - This will show you Model, Serial Number and Firmware version
  - **Location**
    - This will display horizontal & vertical accuracies along with Latitude/Longitude Coordinates
      - Precisions will depend upon the Trimble Receiver and Accuracy option that you have
      - Precisions will depend on # of satellites, dop values, antenna field of view, etc.
  - **Altitude**
    - This will display HAE and MSL heights depending on your Geoid Model settings configured previously
  - **Correction Status**
    - This will display Position Status, GNSS Correction Status, Geoid model in use, and GNSS Output Reference frame.



- **Satellites**

- This displays the GNSS constellations your are tracking and ones that your GNSS receiver is currently using

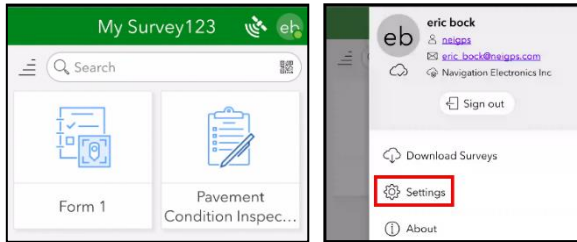
Satellites		
	In-use	Tracked:
Total	20	22
GPS	7	7
GLONASS	3	3
Galileo	5	5
BeiDou	5	5
Trimble RTX	0	1
SBAS	0	1
QZSS	0	0
IRNSS	0	0

Details >

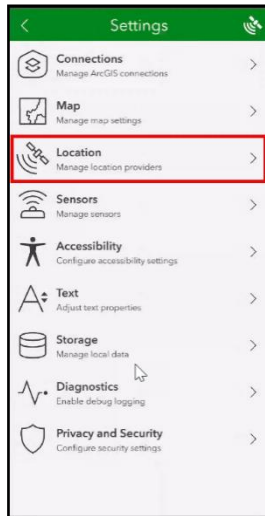
Home Status Skyplot Configuration

**Configure the Esri Survey123 field application**

- Open ESRI Survey123 and sign in with your esri credentials.
- Click on your Profile Icon in the top right corner and choose Settings

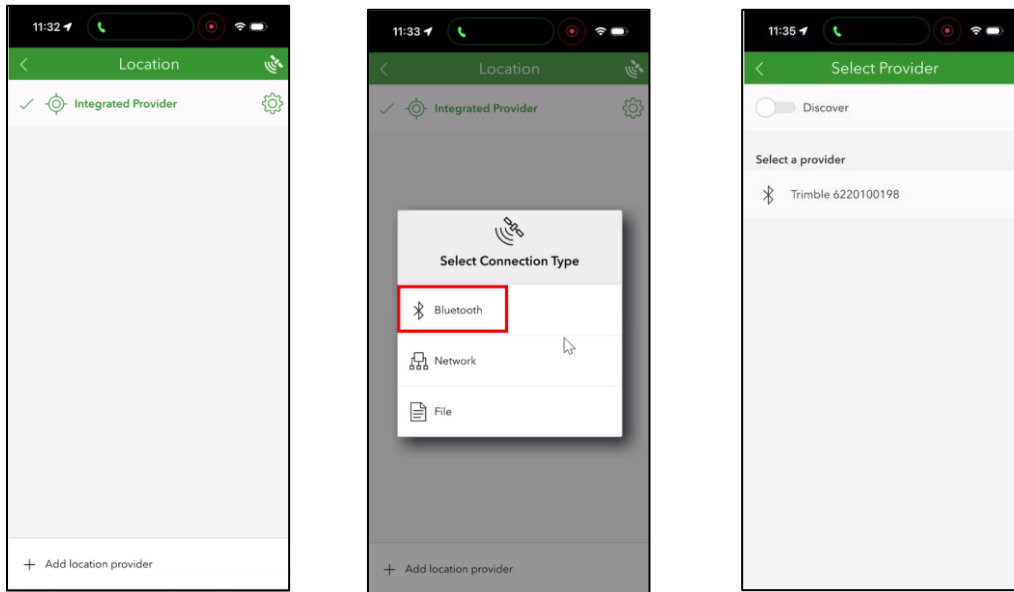


- Select the arrow next to Location.

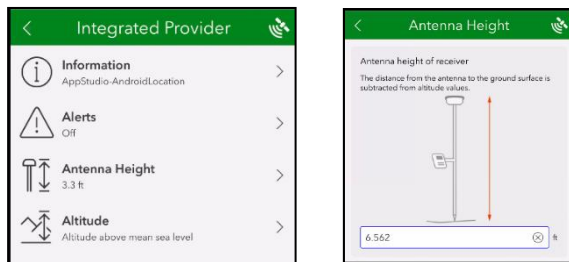


- At the bottom lefthand side of the screen choose **Add location Provider**
- Choose **Bluetooth**

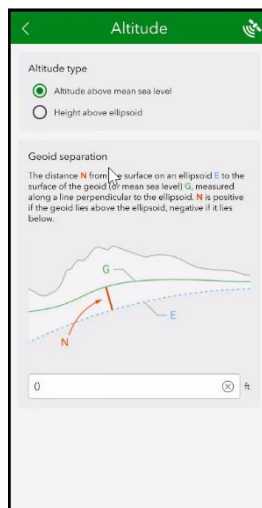
- *Select your Trimble DA2 serial number in the list*



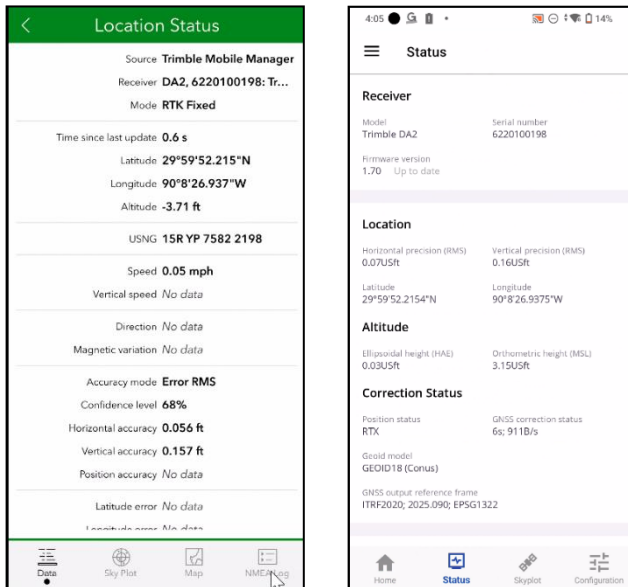
- *You will see four options to view and configure.*
- *Click arrow next to Antenna Height. Set your Antenna Height as needed. Click on the back arrow when finished.*



- *Click on arrow next to Altitude and make sure the Altitude type is set to Altitude above mean sea level. Click on the back arrow when finished.*



- You are now ready to collect data but first verify your accuracy via clicking on the GPS icon in the top right.
- Once the accuracy gets down to what you want then you are ready to collect data.
  - If you want you can click on the minimize application button and open Mobile Manager to compare.



### **Normal Receiver – 3<sup>rd</sup> party app workflow once configured**

- Power on the Trimble DA2 and the Mobile Device
- Go into iOS Bluetooth settings and make sure the Trimble DA2 is connected.
- You should start all projects in the most wide-open area in your vicinity (no or limited overhead obstructions). This will ensure that your GPS unit can achieve its best accuracy.
- Run TMM and make sure the GPS tracks satellites and receives real-time corrections.
- Leave the DA2 connected and minimize Mobile Manager.
- Run Survey123 and select your project
- Collect Data

### **Resources**

- TMM Help: <https://help.trimblegeospatial.com/TMM/Home.htm>
- DA2 Firmware Update: <https://help.trimblegeospatial.com/TMM/Update-firmware.htm>
- Catalyst DA2 Help: <https://help.trimblegeospatial.com/Catalyst/DA2.htm>

**If you have questions, please feel free to reach out to NEI at our Lafayette headquarters at 800-949-1446.**