

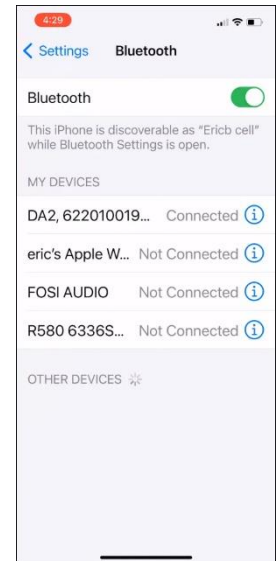
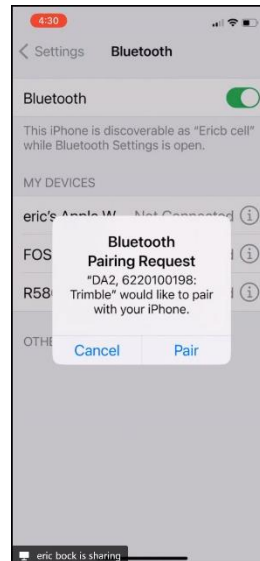
Configure Trimble DA2 in Trimble Mobile Manager on iOS to use with Futura (2/25)

Download Apps

- If not using a cellular IOS device, then 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) and Futura FieldPro

Connecting via Bluetooth to Trimble DA2 GNSS receiver

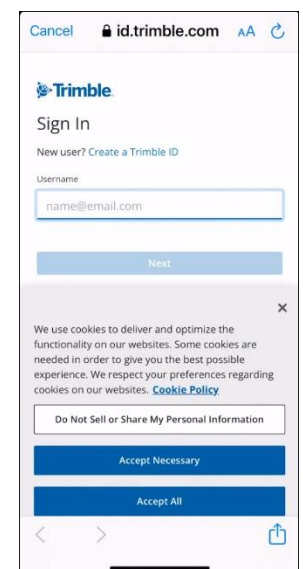
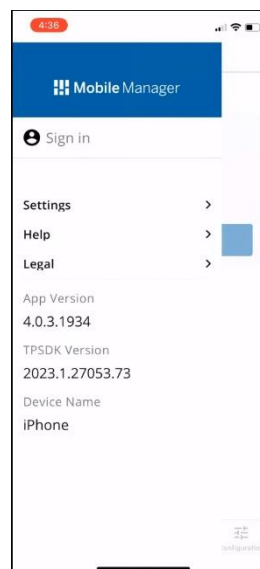
- Power up the Trimble DA2
- Go into the mobile device Bluetooth settings and make sure **Bluetooth is On**
- The Trimble DA2 should show in the under **“other devices”** along with the serial number. **Click on it to Connect**
- Note* In some versions of iOS the DA2 Bluetooth will appear as a popup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



Configure Trimble Mobile Manger (TMM)

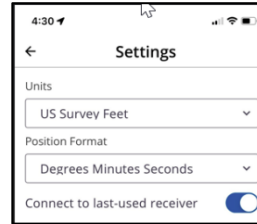
Sign into TMM

- 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.



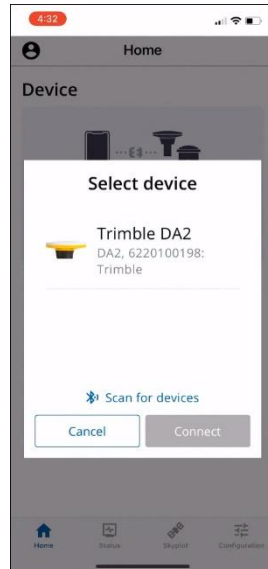
Configure Settings

- Go back into the Profile Menu and Click on Settings
 - Set **Units** and **Position Format** as needed
 - Turn on **Connect to last-used receiver**
- Select the Back arrow to return to the **Home** screen

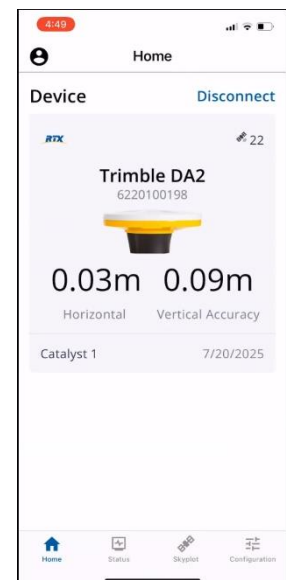


Connect to Trimble DA2

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



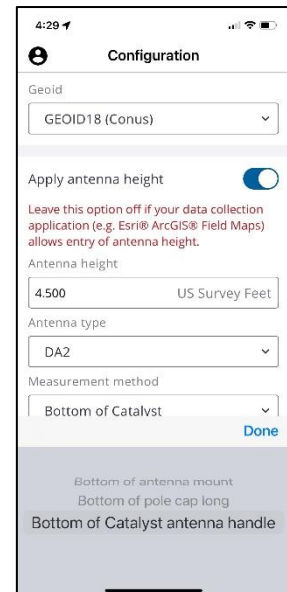
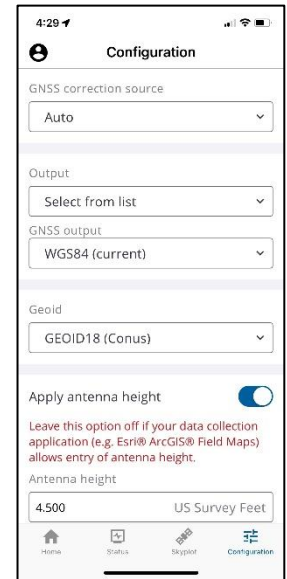
- Once connected the application will show the type of real-time correction, Device Name, number of satellites, horizontal & vertical accuracy, and the Catalyst license type with the expiration date.



Configuring real-time and output

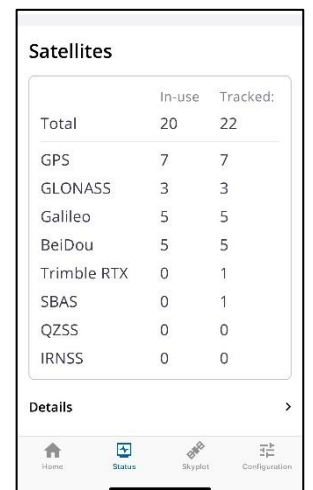
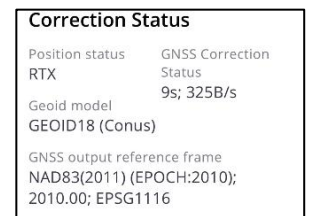
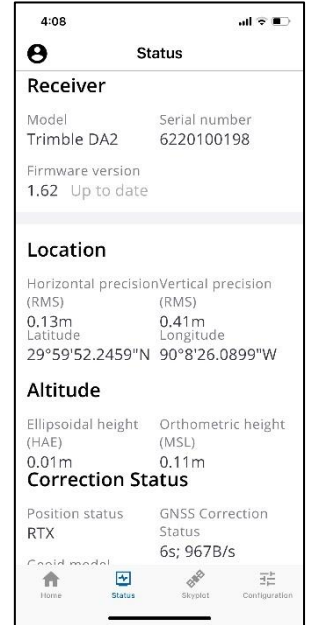
The configuration menu is located at the bottom righthand corner of the application screen

- **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 **WGS84 Current**
- **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:** Turn on Antenna Height
- **Antenna Height:** Enter the height of your antenna
- **Measurement Method:** Set to **Bottom of Catalyst Antenna Handle**



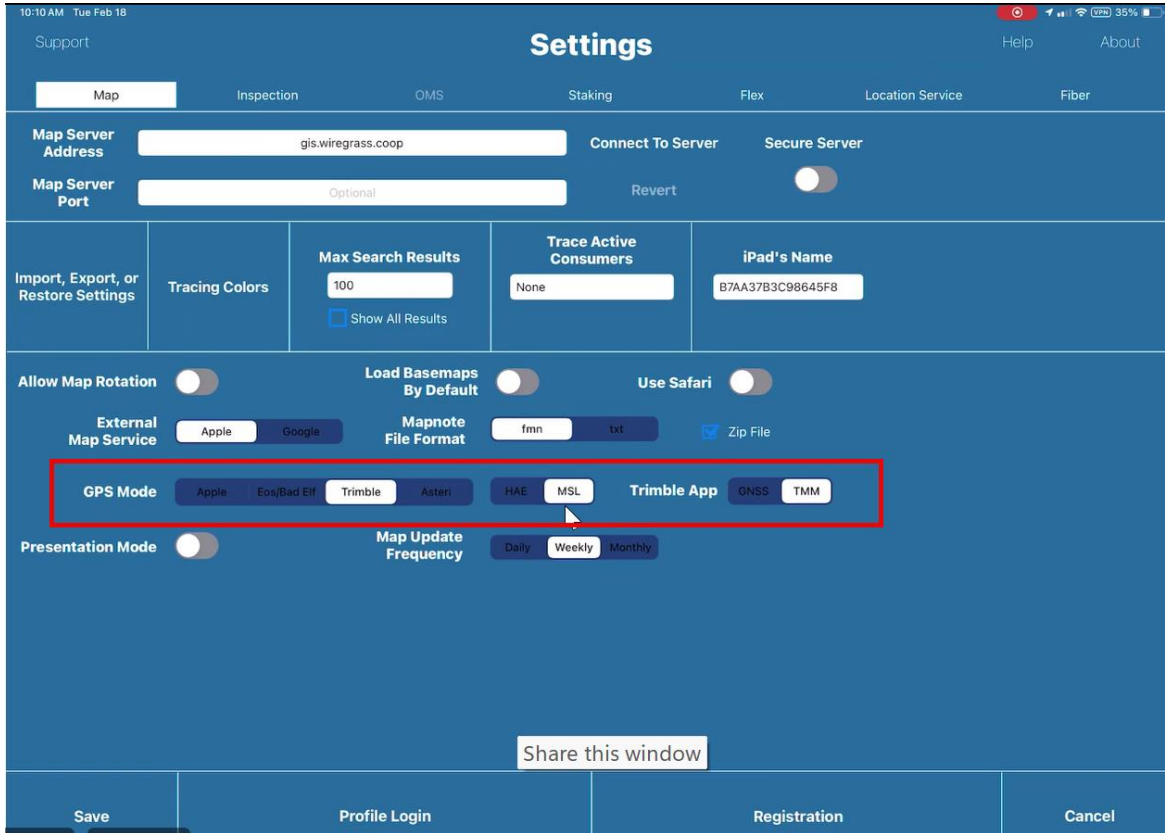
Test the Trimble DA2 and real-time corrections in Trimble Mobile Manager

- 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
 - Horizontal & Vertical Precision 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



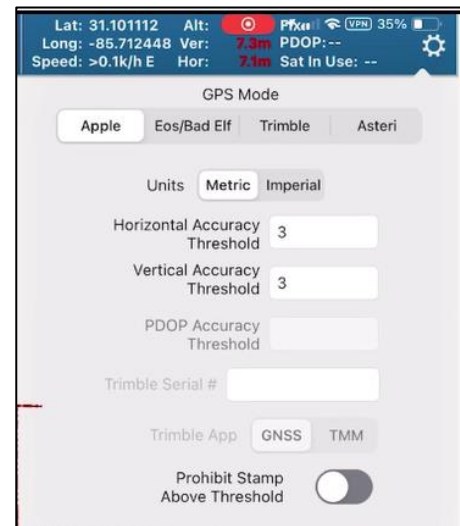
Configure Futura FieldPro (Option 1)

- Click on the **Settings Icon** in the bottom right corner of the screen
- Find **GPS Mode** and select **Trimble**
- Set to **MSL**
- Set Trimble App to **TMM**
- Click on **Save**



Configure Futura FieldPro (Option 2)

- Click on the **Settings Icon** in the top right corner of the screen
- Find **GPS Mode** and select **Trimble**
- Set your **Units** as needed
- Set your **Horizontal and Vertical Accuracy Threshold** as needed.
- Set your **PDOP Accuracy Threshold** as needed.
- Set Trimble App to **TMM**
- Click on **Save**



Normal DA2 workflow for use in Futura FieldPro

- Power on the Trimble DA2 and the iPad.
- Make sure the DA2 connects to IOS Bluetooth (DA2 power button light will be solid blue if connected. If its blinking blue then go into IOS Bluetooth settings, find the Trimble DA2 in the list, and click on **Not Connected** to **Connect** to it).
- 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 Trimble Mobile Manager (TMM) and make sure the DA2 connects, tracks satellites and receives corrections
- Leave TMM running, minimize, and run Futura FieldPro.
- Check the GPS Status information in the top right corner of FieldPro. You can go back to TMM to check to see if the Estimated Horizontal Accuracy matches.
- Collect data
- Once field work is completed, you can power off the Trimble DA2 with a slight one second press. **Note**, To avoid clearing stored Bluetooth device settings, do not press-hold for more than ten (10) seconds.

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