

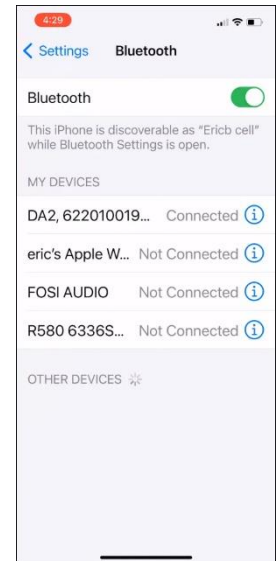
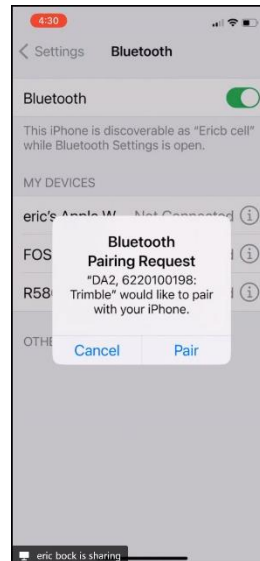
## Configure Trimble DA2 in Trimble Mobile Manager on iOS to work with Esri Field Maps

### Download App

- 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 esri Field Maps applications.

### Connecting via Bluetooth to Trimble DA2 GNSS receiver

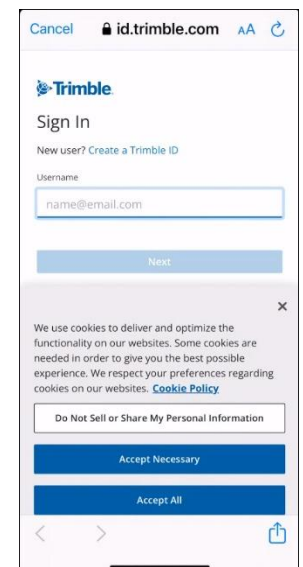
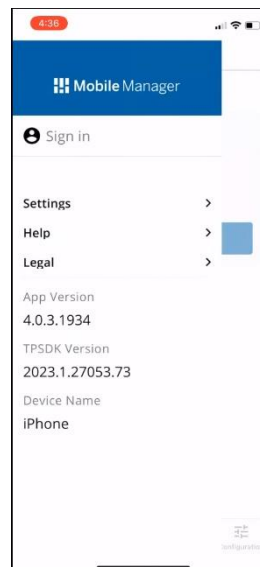
- Power up the Trimble DA2
- Go into the mobile device Bluetooth settings and make sure **Bluetooth is On**
- The Trimble DA2 should show in the under **“other devices”** along with the serial number. **Click on it to Connect**
- Note\* In some versions of iOS the DA2 bluetooth will appear as a popup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



### Configure Trimble Mobile Manger (TMM)

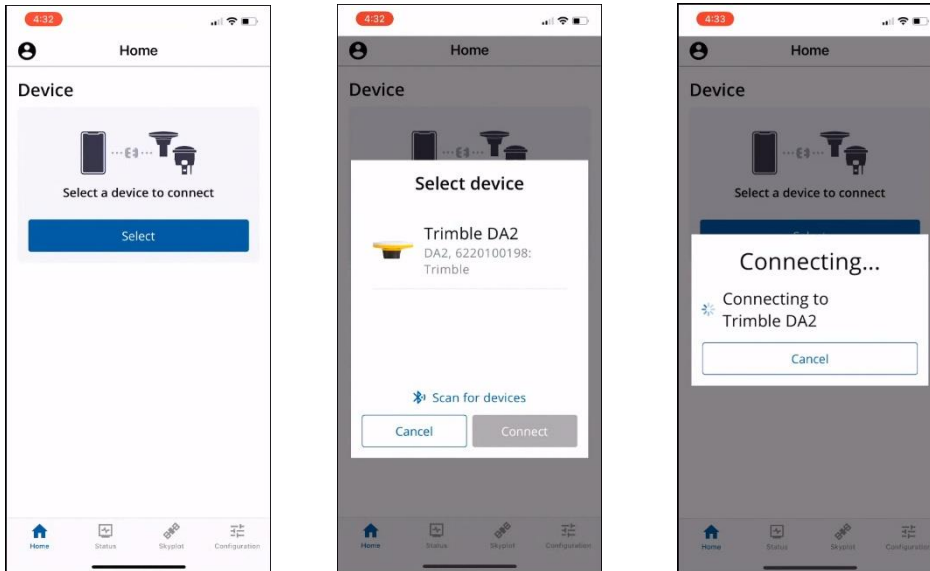
#### Sign into TMM

- 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.

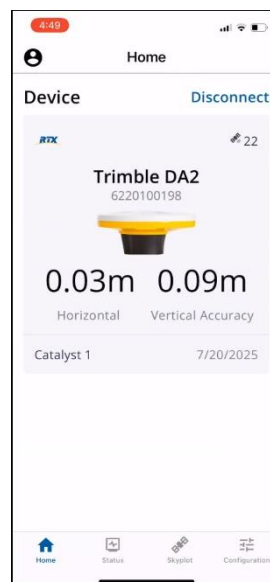


## Connect to Trimble DA2

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

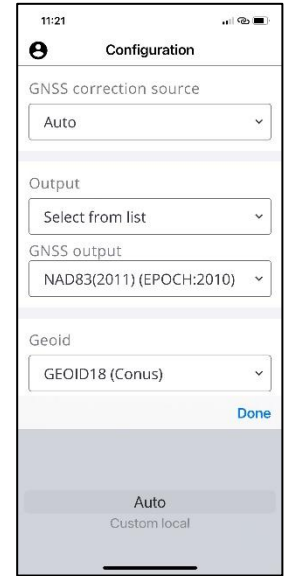
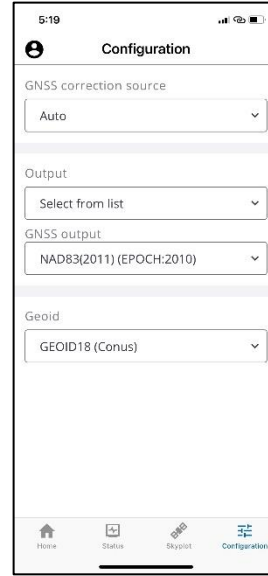


- Once connected the application will show Device Name, battery life, number of satellites, horizontal & vertical accuracies, and real-time type along with the expiration date.



## 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 (depending on Catalyst License type)
  - 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)**

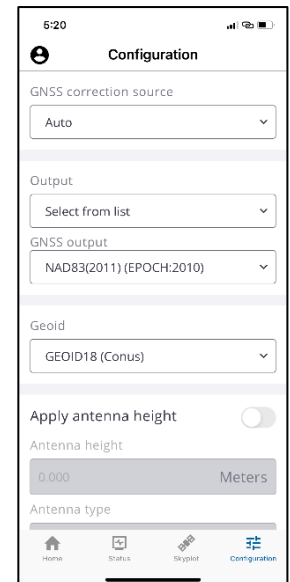
## Geoid

- Set the Geoid to **GEOID18 (Conus)**
- This setting is to output Elevation as Mean Sea Level (MSL)

(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).

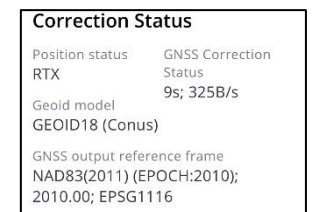
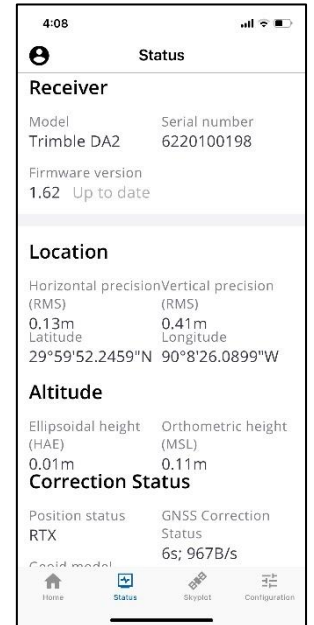
## Apply Antenna Height

- 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 R580 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

- Close down Trimble Mobile Manager.

**\*\*\*NOTE\*\*\*** You will NOT run this application when running Esri Field Maps. If you try to run both applications at the same time you will have Trimble Connection issues in esri Field Maps.

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

### Open the Field Maps app

- Sign into your esri account

### Configure Location Provider

- Click on the Profile icon  at the top left corner
- Scroll down to Location section
- Choose Provider
- Click on Add. Choose your Trimble DA2 receiver and type in the height of your antenna pole. Click Done
- Integrated & your Trimble DA2 receiver should be listed. Click on your receiver to make it current/active.
- An action window will pop up. That reads “Mobile Manager Required. Browse to the Trimble Mobile Manager folder to use your device”. Click browse.
- Choose the Trimble Mobile Manager folder and then click **Open**. You should only have to do once per Trimble receiver connected to your device. **Note**, if you don’t see the Mobile Manager Folder make sure your Explorer is looking at the internal Storage instead of the iCloud Drive folder. Another option is to use the search feature and type in “mobile manager”.
- TMM will briefly pop up and disappear. Your receiver will now have a check mark next to it

### Configure Location Profile (If you are using SBAS you can select default and skip this section)

- Scroll down to Location
- Choose Profile
- Click on Add a profile
- **GNSS Coordinate System** - Click on magnifying glass and type in 2011, click on search, and choose GCS NAD 1983 2011 (6318). Click on Next
- **Map Coordinate System** - Click on search, type in web, choose WGS 1984 Web Mercator Auxiliary Sphere (3857).  
(Note, if you pick WGS 1984 web Mercator the GPS will not Work) Click on Next
- **Area for Collection** - Click on the icon in top right corner of the map and this will

<b>GNSS coordinate system</b> GCS NAD 1983 2011 6318
<b>Map coordinate system</b> WGS 1984 Web Mercator Auxiliary Sphere 3857
<b>Horizontal datum transformation</b> ~WGS_1984_(ITRF08)_To_NAD_1983_2011 USA - CONUS and Alaska; PRVI

auto zoom to your location or zoom into your area for collection. Click on Next

- *Horizontal Datum Transformation* - Choose ~WGS\_1984\_(ITRF08)\_To\_NAD\_1983\_2011. Click on Next
- Set the new profile as CURRENT by clicking on it then Choose the back button

### **Configure any other settings you may need**

- Accuracy
- Streaming
- Photo upload size
- Units

### **Normal Receiver – Field Maps workflow once configured**

- Power on the Trimble DA2 and the TDC600 Mobile Device
- Go into your iOS settings and make sure the DA2 is connected to Bluetooth
- 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.
- Open Field Maps. TMM will briefly be shown on screen then minimize itself.
- Ensure your receiver is selected under provider.
- Open the map/project you would like to work within
- Your GPS accuracy will be shown at the top of the map
- Collect data

### **Tips & Tricks for Trimble Mobile Manager**

- When switching between Auto (SBAS) and Custom Local within the GNSS Configuration options you must slide the Connect to Position Source to off on the home screen. Once you turn it off then go into GNSS Configuration and select the configuration that you would like to use. After that, slide the Position Source back to on and proceed as normal.
- Sign into Trimble Mobile Manager when you know that you have internet connection. If you get to a location without an internet connection and try to sign into TMM it will not work.

Please feel free to reach out to NEI at our Lafayette headquarters at 800-949-1446 if you have any questions.