

 **Trimble.**

**LEAP**

**GNSS RECEIVER**

# Owner's Manual

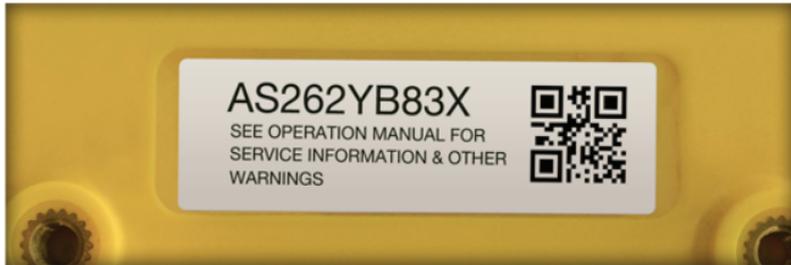


# DEVICE SET-UP & ACTIVATION

## STEP 1: ACTIVATE DEVICE

Register and activate your Trimble Leap GNSS Receiver in just a few easy steps. This process activates your receiver, Trimble ViewPoint RTX subscription, and the supported mobile apps.

- Go to **TrimbleLeap.com**. Click Register Leap link.
- Type in Serial Number. **Tip:** The serial number is located on the bottom of the receiver.



- Follow on-screen instructions to finish activation process.

### Charge Device

Plug the included USB charging cable into your computer then connect the Trimble Leap GNSS Receiver. A full charge takes roughly 10 hours. Red charging light turns off when fully charged.

## STEP 2: GET APPS

You need to install two apps on your mobile device to use the Trimble Leap GNSS Receiver.



### Install Trimble Leap App

This app manages communication between the GNSS receiver, mobile device, and any available correction services (like Trimble ViewPoint RTX). To download, go to Google Play Store or Apple App Store on your device and search for “Trimble Leap.” Download app.



### Install TNP Mobile App

Use this app to collect the high-accuracy info. Go to Google Play Store or Apple App Store on your device and search for “Terrain Navigator Pro.” Download app.

**+ Go to [TrimbleLeap.com](https://www.trimble.com) for the latest list of supported apps.**

## STEP 3: PAIR DEVICES

Once both apps are installed, you can pair the Trimble Leap to a smartphone or tablet via Bluetooth.

1. Turn on the Trimble Leap GNSS Receiver.
2. Turn on the Bluetooth signal on your mobile device.
3. Launch the Trimble Leap app.
4. Follow on-screen instructions within the app to pair the Trimble Leap GNSS Receiver to your mobile device. Then pick your preferred Correction Mode (e.g., Trimble ViewPoint RTX, DGPS).

After the receiver is paired, you are ready to collect high-accuracy data using TNP Mobile app.

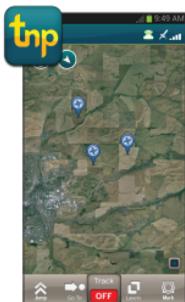


## STEP 4: COLLECT DATA

Mount the Trimble Leap GNSS Receiver onto a smartphone mount, monopod, or tripod for best results. Follow these steps to collect high-accuracy data:

1. Launch TNP Mobile app. Log into your account.
2. Tap the Map icon from the Main Menu.
3. Hit the Mark button and select the type of point or geo-pin you want to place.
4. The Marker screen shows your current position, correction mode, and accuracy. You can also add name and description to the Marker. Hit Save.
5. The high-accuracy data is saved to your Project within the app. Repeat process as needed.

**Note:** Accuracy will depend on correction mode, terrain, and how long you stay in one position.



+ Learn more about Trimble Leap and Trimble ViewPoint RTX at: [trimbleleap.uservoice.com](https://trimbleleap.uservoice.com)

## STEP 5: VIEW & EXPORT DATA

1. Go to [TrimbleLeap.com](https://TrimbleLeap.com). Log into your TNP Leap Connect account.
2. Hit the Project icon to view and export data synced from the TNP Mobile app.

+ Learn more about TNP Mobile App and TNP Leap Connect services at: [terrainnavigator.com](https://terrainnavigator.com)

- 1 Power Status:** This light indicates battery life.

**Green** = 80-100% power

**Yellow** = 40-79% power

**Orange** = 10-39% power

**Blinking Red** = Less than 10% power

**No Light** = No power

- 2 Accuracy Status:** This light indicates what accuracy range the Leap GNSS Receiver is reporting to the mobile device.

**Green** = 1 meter or less

**Yellow** = 1 to 2 meters

**Orange** = 2 meters or more

**No Light** = No Accuracy/Accuracy Unknown/No Application Connected

- 3 Trimble ViewPoint RTX Status:** This light shows the status of the real-time Trimble ViewPoint RTX correction service.

**Blinking Yellow** = RTX convergence in progress

**Blue** = RTX converged

**Blinking Blue** = RTX connection lost

**No Light** = No RTX signal found/Not operating in RTX Mode

- 4 Power Button:** Press black button to turn on device. Press and hold button to turn off device.

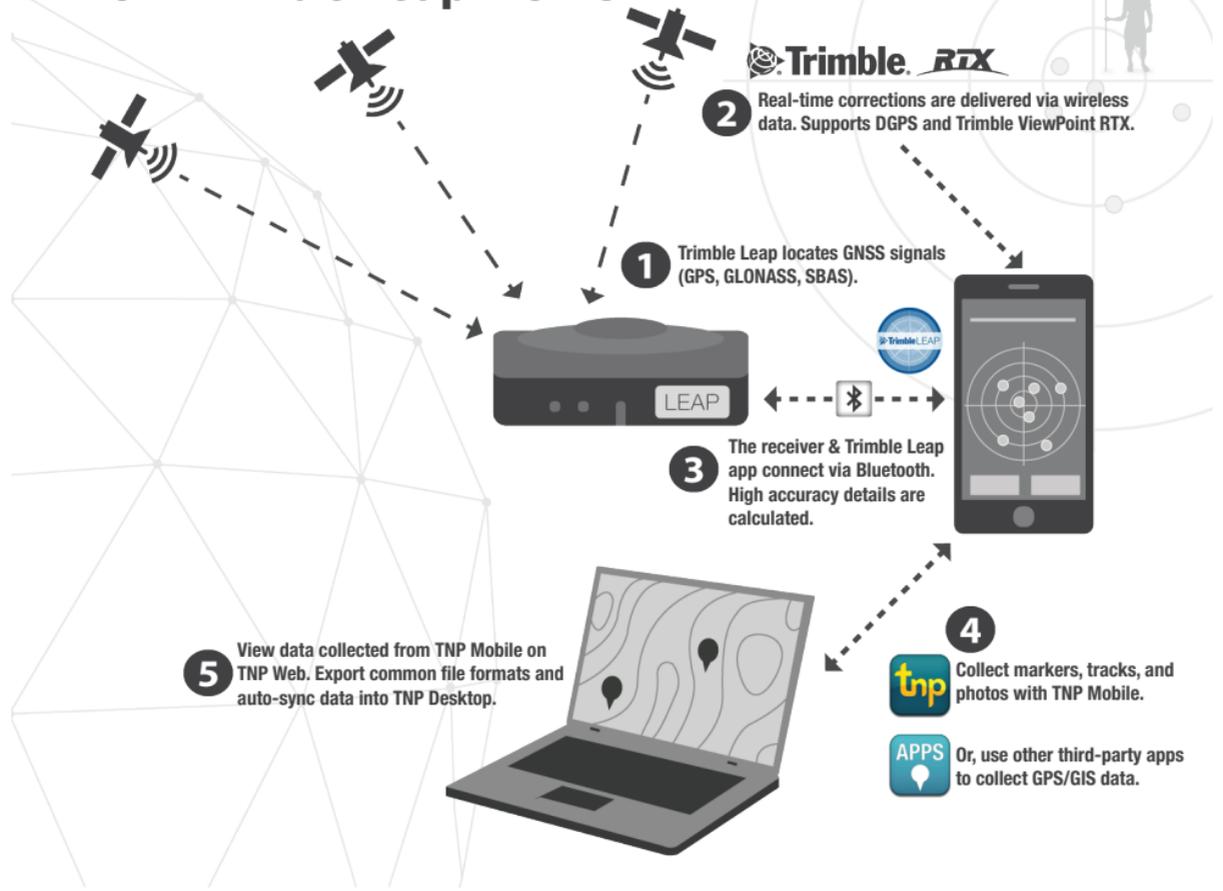


- 5 USB Charging Port & microSD Card Slot**

- 6 Rubber Cover:** Protects internal electronics from dust and water. IP Rating 62.

- 7 Threaded Mounts:** Use these to attach smartphone and pole mounts to the receiver.

# How Trimble Leap Works



**2** Real-time corrections are delivered via wireless data. Supports DGPS and Trimble ViewPoint RTX.

**1** Trimble Leap locates GNSS signals (GPS, GLONASS, SBAS).

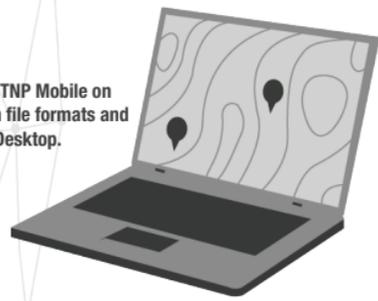
**3** The receiver & Trimble Leap app connect via Bluetooth. High accuracy details are calculated.



**4**  Collect markers, tracks, and photos with TNP Mobile.

 Or, use other third-party apps to collect GPS/GIS data.

**5** View data collected from TNP Mobile on TNP Web. Export common file formats and auto-sync data into TNP Desktop.



## Troubleshooting

Some helpful tips:

1. You must activate your Trimble Leap GNSS Receiver and Trimble ViewPoint RTX subscription before you can begin collecting GPS data in the field.
2. You must pair your receiver with a mobile device by using Bluetooth. Please make sure the devices are within Bluetooth range of each other (ideally less than 10 feet).
3. You must have two apps—Trimble Leap and TNP Mobile—installed on your mobile device to fully access and collect data from the receiver.
4. You need to have a data connection (e.g., 4G, LTE, WiFi) on your mobile device to receive real-time Trimble ViewPoint RTX corrections.

## Warranty Information

Trimble warrants that all Trimble Leap GNSS Receiver products are free from defects in manufacturing, materials, and workmanship for a period of one year from date of retail purchase. For full warranty details, visit [TrimbleLeap.com](http://TrimbleLeap.com).

## Customer Service and Support

Got questions? Let us help. Visit our Support website for more helpful tips.

**Support Website:** [trimbleleap.uservice.com](http://trimbleleap.uservice.com)

**Email:** [support@trimbleleap.com](mailto:support@trimbleleap.com)

**Phone:** (623) 777-4949; Monday-Friday, 8 a.m.– 5 p.m. Mountain Time (US)



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