

# GEO-MEASURE Setup Guide

This document explains how to use the GEO-MEASURE device with the official GEO-MEASURE mobile application via Bluetooth. It shows how to:

1. Power on and connect the device
  2. Obtain GNSS and RTK status
  3. Use the Sky and Map features
  4. Record and export measurements
- 

## Hardware Setup

- Turn on the GEO-MEASURE device.
    - Press and hold the **Power Button** for 3 seconds.
    - The **indicator light** will turn on.
    - A beep will confirm the device is powered on.
- 

## Mobile Device Setup

The GEO-MEASURE mobile app is available on both **Android** and **iOS** platforms.

- Download the **GEO-MEASURE App** from the App Store (iOS) or Google Play (Android).
  - Ensure that **Bluetooth** and internet **connection** are enabled on your phone.
  - Open the GEO-MEASURE App.
  - The app will automatically go to the **Add New Device** page.
- 

## Connecting GEO-MEASURE

- Ensure the GEO-MEASURE device is powered on.
- On the **Add New Device** page, select your device from the list.
- Confirm the **pairing request** when prompted.
- Once connected, the app will switch to the **Device Page**.

You should see:

- **Bluetooth** → **Connected**
- **GEODNET** → **Connected** (if not, check your mobile data or Wi-Fi connection).

---

## GEO-MEASURE App Overview

The app contains **five main tabs**:

- **Device** → Displays device information and status
- **Sky** → Shows current satellite signals received by the device
- **Map** → Main workspace for measurement and navigation
- **Project** → Project management and export options
- **Settings** → App version and configuration options

---

## Performing Basic Measurements

1. **Check RTK Mode**
  - On the **Map page**, verify the RTK status in the top-left corner.
  - Tap for more information if needed.
2. **Create a New Project**
  - Tap the **New Project button** (top right).
  - Enter a **username/description**.
  - Enter a **project name**.
  - Select the appropriate **units**.
  - Save and return to the Map page.
3. **Start Measurement**
  - Tap the **Ruler icon** on the left to enter measurement mode.
  - Tap **Go** to begin recording.
  - When finished, tap **Stop**.
4. **Export Data**
  - Open the **Project tab**.
  - Select your project.
  - Choose a **file format** (CSV, TXT, etc.).
  - Export via email, messaging, or file share.

---

## Tips for Use

- Keep the device in open sky areas for best GNSS performance.
- Always verify **RTK Fix** before recording data.
- Update the GEO-MEASURE app regularly for the latest features.

---

## Troubleshooting

- **Device not found in app** → Ensure device is powered on and within Bluetooth range.
- **GEODNET not connected** → Check mobile internet connection.
- **App freezing** → Restart the app and check for updates.
- **Not connected to RTK** → Ensure you're outdoors when connecting to GEO-MEASURE. Connecting indoors or under large structures can delay satellite signal detection.