F-Droid



GPSLogger

A lightweight GPS logger, battery efficient, GPX/KML, add notes, share, upload.

New in version 138

* New Fused Location provider option
* Dawarich: send null when location has no speed
* Dawarich: allow setting motion and activity via Tasker command
* Bugfix: KML when, coords sequence was incorrect
* KML: added LineString to output
* Maintenance: Removed the profile name icons, unmaintained library
* Automation: you can now enable/disable logging from gps, network, fused, passive

A lightweight, battery efficient GPS Logger. The purpose of this app is to log your GPS coordinates at specified intervals to a file on your SD card. This app runs in the background so that you can on a long walk, hike, flight ride or photo session or even go buy some milk and have this running as long as possible. Once you're back at your computer, you can then use the files to geotag photos, upload to travel sites, view in Google Earth and so on.

For more information, see https://gpslogger.app

Note: Please remember to **Allow all the time** for this app in your OS settings, to allow it to log locations in the background.

Features

- Can log to GPX, KML, CSV, NMEA and CSV formats. Can also log to a custom URL or just the screen.
- Logs GPX points as tracks and track segments
- Also logs speed, direction and altitude if available
- Add a description to a point using the annotate menu, gets added as a waypoint
- Configure time intervals between points
- Configure a minimum distance filter between points or an accuracy filter
- Notification icon with coordinates and quick actions
- Uses cell towers for location when GPS is disabled
- Selectively choose network, gps and passive location providers
- Automatically upload or email the file at set intervals to destinations such as Email, FTP, Dropbox, OpenStreetMap, Google Drive, Custom URL.
- Share location or log files via SMS/Email (and other apps such as Facebook or Twitter depending on what you've got installed)
- Start logging on phone bootup
- Invoke operations from Tasker or other automation apps.
- You can give it a preset file with your own values for distribution
- Multiple profiles with different settings are possible

Bugs, feature requests, questions - please submit them to github.com/mendhak/gpslogger (issue tracker).

Notes

A data connection is used by this app only if you use auto send features or Custom URL features

Although the app allows 0 second frequencies, it is not recommended as the recording and logging is happening very fast; this could cause instability/hangs. Try 1-3 seconds instead.

Explanation of permissions

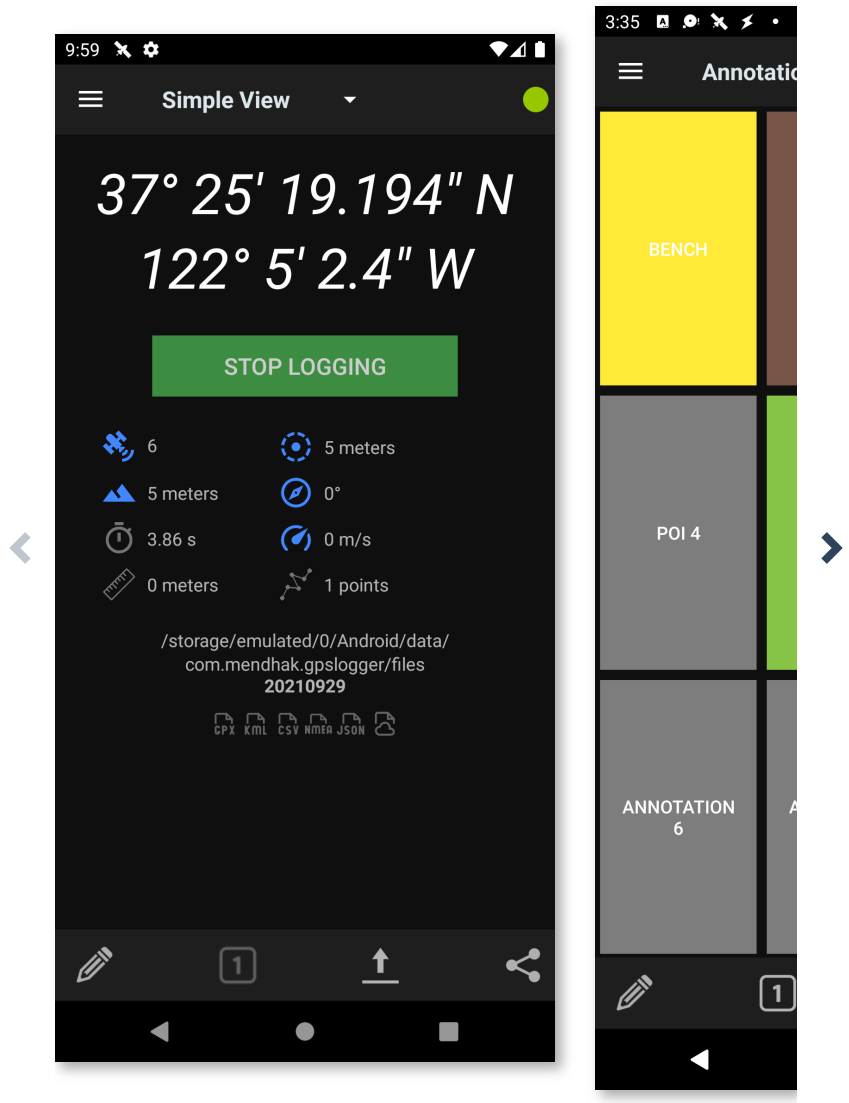
Storage - reading and writing files to the GPSLogger folder on your SD card

Network communication - used when uploading the files (Dropbox, Openstreetmap) or sending emails or authorizing you with Dropbox, Openstreetmap

Your location - used to determine your GPS or tower based location

System tools (automatically start at boot) - used if you choose to start GPSLogger on bootup

Shared storage permissions - in Android 11, used to allow writing files to custom file paths



Author: Mendhak — License: GNU General Public License v2.0 only — Issue Tracker — Source Code — Changelog — Build Metadata — Reproducibility Status

Versions

Although APK downloads are available below to give you the choice, you should be aware that by installing that way you will not receive update notifications and it's a less secure way to download. We recommend that you install the F-Droid client and use that.

DOWNLOAD F-DROID

Version 138 (138) suggested Added on Oct 31, 2026

`arm64-v8a` `armeabi` `armeabi-v7a` `x86` `x86_64`

This version requires Android 5.0 or newer.

It is built and signed by F-Droid, and guaranteed to correspond to this source tarball.

▼ Permissions

- **access location in the background**
  This app can access location at any time, even while the app is not in use.
- **access approximate location only in the foreground**
  This app can get your approximate location from location services while the app is in use. Location services for your device must be turned on for the app to get location.
- **access precise location only in the foreground**
  This app can get your precise location from location services while the app is in use. Location services for your device must be turned on for the app to get location. This may increase battery usage.
- **android.permission.ACCESS_MOCK_LOCATION**
- **view network connections**
  Allows the app to view information about network connections such as which networks exist and are connected.
- **run foreground service**
  Allows the app to make use of foreground services.
- **run foreground service with the type "location"**
  Allows the app to make use of foreground services with the type "location"
- **have full network access**
  Allows the app to create network sockets and use custom network protocols. The browser and other applications provide means to send data to the internet, so this permission is not required to send data to the internet.
- **android.permission.MANAGE_EXTERNAL_STORAGE**
- **show notifications**
  Allows the app to show notifications
- **read the contents of your shared storage**
  Allows the app to read the contents of your shared storage.
- **run at startup**

Allows the app to have itself started as soon as the system has finished booting. This can make it take longer to start the phone and allow the app to slow down the overall phone by always running.

- **ask to ignore battery optimizations**
  Allows an app to ask for permission to ignore battery optimizations for that app.
- **prevent phone from sleeping**
  Allows the app to prevent the phone from going to sleep.
- **modify or delete the contents of your shared storage**
  Allows the app to write the contents of your shared storage.
- **com.mendhak.gpslogger.DYNAMIC_RECEIVER_NOT_EXPORTED_PERMISSION**

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New in version 137

* OpenStreetMap visibility options "public" and "private" are deprecated, defaulting to "trackable"

Version 137 (137) - Added on Aug 17, 2026

`arm64-v8a` `armeabi` `armeabi-v7a` `x86` `x86_64`

This version requires Android 5.0 or newer.

It is built and signed by F-Droid, and guaranteed to correspond to this source tarball.

▶ **Permissions**

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New in version 136

* HTTP File Upload Target (separate from normal Custom URL logger)
* Significant motion heartbeat interval setting; forces log if some time elapses

* Log to Dawarich
* Bugfix - GPX track segments in same file were not being created correctly
* Bugfix - inaccurate passive locations were being recorded
* Bugfix - don't start new file if already logging to file
* Auto send batch size, delay options

Version 136 (136) - Added on Jul 20, 2026

`arm64-v8a` `armeabi` `armeabi-v7a` `x86` `x86_64`

This version requires Android 5.0 or newer.

It is built and signed by F-Droid, and guaranteed to correspond to this source tarball.

▶ **Permissions**

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Edit on GitLab