

# EarthRanger Track™ Users Guide

**Document Version:** 1.00  
**Released:** September 1, 2020

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## Installing EarthRanger Track from Google Play Store

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To install EarthRanger Track (Track) on a device, visit the Google Play Store at the following link and click on the “Install” button. Track is currently supported on all Android devices running at least Android 4.

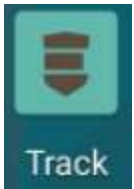
[EarthRanger Track in the Google Play Store](#)

You can also search for “EarthRanger Track” in the Google Play Store.

## Logging into Track

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After installing Track onto a device, open the app by finding and selecting the following app icon:



Track App Icon

After clicking the icon, you may be asked to allow track to access the devices location. Select “Allow” to enable the app to get current locations.

You will then be prompted to configure the application by entering the information shown below:

The image shows the configuration screen for the EarthRanger Track app. At the top left is the EarthRanger logo (a shield with three bars) and the text "EARTH RANGER TRACK". Below this are four input fields: "username" with a red underline and the prompt "Your EarthRanger user name"; "password" with a red underline, a toggle icon, and the prompt "Your EarthRanger password"; "site name" with a red underline and the prompt "Your EarthRanger site name, ie 'site-name.pamdass.org'"; and "device name" with a red underline and the prompt "The name that will appear in EarthRanger for this device". At the bottom center is a green rounded button with the text "Sign In".

Track Configuration Screen

**username** – enter the user name of the EarthRanger account you would like position data to be recorded under in the EarthRanger system

**password** – enter the password of the EarthRanger account

**site name** – enter the EarthRanger site name for the account (i.e. 'site-name.pamdass.org')

**device name** – enter a name for the device, which will appear in EarthRanger as the Subject Name.

### EarthRanger Configuration

The device name will automatically be created in EarthRanger as a Subject. To configure which Subject Group it is displayed under in EarthRanger and who has permissions to see it, see the EarthRanger Admin section on Subject Groups or contact EarthRanger support.

If you have any questions or issues, see the Getting Help section below.

## Viewing the Track main screen

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Upon successfully logging in you will see the following main Track screen:



**Track Main Screen**

Before going into the details of what's displayed on the Track screens, it's important to understand how Track's GPS recording logic works. Once tracking is enabled, Track will immediately capture the device's lat/long position and continue to record the device's position every 10 seconds as long as the device has travelled at least 25 meters from its last recorded position. If after 10 seconds a device has not travelled at least 25 meters from the previously recorded position, a new position will not be recorded. This ensures a sufficient sampling rate, while minimizing battery consumption.

When tracking is enabled, Track will also continually attempt to submit the most recently recorded position to the EarthRanger system in real-time. It will do so as long as it has an active connection to a cellular or wireless

network. If it does not have an active connection, the positional data will still be recorded, but will be stored in a local cache on the device. Once an active connection to a network is reestablished, Track will begin sending the cached data to the EarthRanger system until all of it has been successfully transmitted. As long as there is cached data remaining on the device, Track will transmit it to EarthRanger whenever it has a network connection.

At the top of the screen the **Device name** is displayed. This is the name of the device specified when logging into the app and is used as the Subject Name in the Earth Ranger system.

Within the large pin icon the following information is provided:

**Tracking Status** – tracking status will be displayed as “ON” or “OFF” indicating whether GPS position capture is currently enabled or disabled respectively.

**Last recorded position** – when tracking is enabled, just below the tracking status the last known position recorded by the app is displayed in lat/long and the date and time it was recorded.

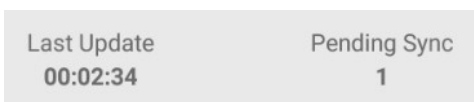


Tracking Status (On) and Last Recorded Position



Tracking Status (Off)

At the bottom of the screen in the shaded grey area the app displays two important fields:



Last Update and Pending Sync

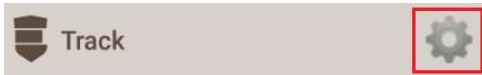
**Last Update** – this is the time that has elapsed since the last time track had an active network connection and transmitted position data from the device to the EarthRanger system. This is displayed in HH:MM:SS format (HH = hours, MM = minutes, SS = seconds).

**Pending Sync** – this displays the number of position points that have been recorded to the device’s cache and have not yet been transmitted to the EarthRanger system

## About and Settings

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At the far right side of the main Track title bar is a gear icon that can be selected to access the About and Settings screens:

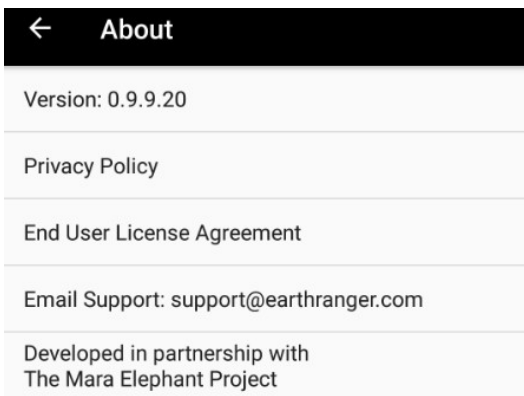


Gear icon to access About and Settings Screens

### About

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Selecting the About menu takes you to the About screen which includes several panels, some of which can be selected to provide additional information about the Track app.



About Screen

**Version** – displays the current version of the app that’s installed on the device

**Privacy Policy** – selecting will launch a browser window and display the current EarthRanger Privacy Policy

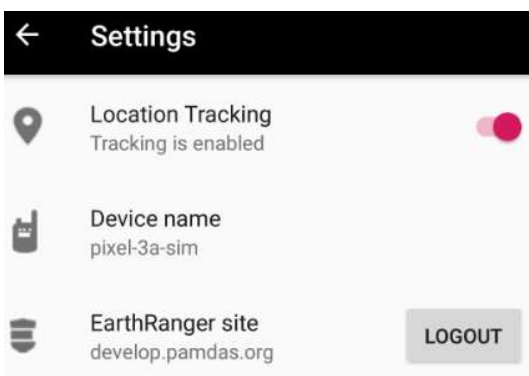
**End User License Agreement** – selecting will allow users to view the current EarthRanger End User License Agreement

**Email Support** – displays the EarthRanger support email address and selecting will launch the device’s email app, allowing you to send an email to our support team

### Settings

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Selecting the Settings menu takes you to the Settings screen where you can update the configuration of the app.



## Settings Screen

**Location Tracking** – toggle switch which allows you to enable or disable location tracking. Note that if there is cached data on the device, it will still be transmitted to EarthRanger after reconnecting to a network, regardless of whether tracking is enabled or disabled.

**Device Name** –Selecting this will present a pop-up which allows you to update the Device Name and the corresponding Subject Name in the EarthRanger system.

**EarthRanger site** – selecting the LOGOUT button will immediately log the app out of the EarthRanger system. Location positions will no longer be recorded after logging out.

## Getting Help

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If you need help with Track, here are some resources to try:

- **Talk to peers and your local administrator:** Other users of Track may be the quickest and easiest sources of information. Your administrator, in particular, should be able to help with any concerns about logging in, permissions, or system performance.
- **Read the Help documents:** This user guide and any other support documents available to you should answer most common questions.
- **Contact the EarthRanger team:** Send email to [support@earthranger.com](mailto:support@earthranger.com) with a detailed description of the issue and questions about how the EarthRanger team can be of help.

## Help Improve EarthRanger Track

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If you have comments, corrections, or suggestions about this document, please email them to [support@earthranger.com](mailto:support@earthranger.com).