Driving Habits Study - Samsung Battery Optimization

Samsung recently accelerated its rollout of Android 9 to several of its phone models. Samsung has introduced aggressive battery optimization settings where apps that are not launched often get “blacklisted” (in settings, this is called Background Restricted), affecting trip recordings. This issue affects both App-only and App+Tag use cases.

Instructions to manually Exempt the App from Battery Optimization

This section highlights the step the user will need to manually exempt your application from battery optimization. Screen shots are included to help you visualize the flow.

From the Settings screen:

- **Click the search magnifying glass icon**

  ![Search Magnifying Glass](image)

- **Type “optimize battery usage”**
- **Click** “Special access Optimize battery usage”

- **Click** “Optimize battery usage”
- **Select** “All” from the highlighted dropdown

![Optimize battery usage screen](image)

Turn on Optimize battery usage for individual apps. Some functions, such as those that use mobile networks or sync data, will be restricted to save battery power.

- **Scroll down** to “Driving Habits Study” app
- **Click** the radiobox to off (highlighted below)
It's a good idea to also go to the app battery screen and verify that **Optimize battery usage** is set to **Not optimized**.

- Go to **Settings**
- Click **Apps**
• Scroll down and click Driving Habits Study
• Click Battery
- **Verify** that Optimize battery usage is set to “Not optimized”