

Eco Driving module in Wialon

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Agenda

1. Why do I need that?
2. Settings
3. Output



Why do I need that?

- Fuel economy due to a smoother acceleration\deceleration
- Driver behaviour reports for the Insurance companies (discounts for good drivers)
- Lower vehicles wear out rate
- Safety for both people and cargo




Settings



- <https://gurtam.com/en/gps-hardware>

AVL hardware

Being one of the most popular GPS tracker types among Wialon users, automatic vehicle locators (or car trackers) provide real-time unit location, speed, and other parameters which are essential for high-quality tracking.

At this page you can see the list of GPS vehicle trackers, compatible with Wialon system.



Nº	Device	Manufacturer	Total units
1			
2			
3			
4			

AVL hardware

- AVL hardware
- Mobile software
- Personal trackers
- Video monitoring
- Asset trackers
- Protocols and retranslators
- OBD trackers
- Tachographs
- Additional hardware

Features of the device:

[More](#)

Functionality in Wialon:

- ECO driving

[Hide](#)

Settings

- My tracker is not in the list!

If you know the initial and final velocity of a car and the time used - the average acceleration can be calculated as:

$$a = \mathbf{dv} / \mathbf{dt}$$

where

a = acceleration of object (m/s², ft/s²)

dv = change in velocity (m/s, ft/s)

dt = time used (s)



Basic rules and particularities

- Execute reports for a full previous week or month. Do not try to run them for a current day and then compare results at the end of the week. Due to averaging the results may change along with the trips mileage and duration.
- Increase messages polling rate to increase reports accuracy. The more data we have the better result is (note: Wialon can not handle intervals less then a second).
- For speedings Wialon uses Gurtam Maps. Some regions are covered better some not.

Thank you!

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