

# How to set up Eco Driving in Wialon app

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## How to set up Eco Driving in Wialon app

### Solution applies for these FM devices

This solution is suitable for all devices of the FMB, FMC, FMM, FMU lines.

### Eco Driving setting in the configurator

Please note that the functionality is available from firmware **Ver.03.27.XX**.

Enable parameter 258 (Eco Driving Maximum) in the configurator.



### Creation of Unit sensors

To configure the Eco Driving Wialon application, you need to create Unit sensors. To do this, go to the Unit properties.



Select the sensors tab and select the "New" function.



Create a sensor based on the **io\_258** parameter.

### **Accel\_MAX**

**Accel\_MAX** sensor formula:

```
((io_258:48*const32768)-  
(io_258:33*const1+io_258:34*const2+io_258:35*const4+io_258:36*const8+io_258:37*c  
onst16+i  
o_258:38*const32+io_258:39*const64+io_258:40*const128+io_258:41*const256+io_258  
:42*cons  
t512+io_258:43*const1024+io_258:44*const2048+io_258:45*const4096+io_258:46*con  
st8192+io  
_258:47*const16384))*io_258:48)/const1000
```



### **Brk\_MAX**

**Brk\_MAX** sensor formula:

```
((-  
(io_258:33*const1+io_258:34*const2+io_258:35*const4+io_258:36*const8+io_258:37*c  
onst16+i  
o_258:38*const32+io_258:39*const64+io_258:40*const128+io_258:41*const256+io_258  
:42*cons  
t512+io_258:43*const1024+io_258:44*const2048+io_258:45*const4096+io_258:46*con  
st8192+io  
_258:47*const16384))*(io_258:48-const1))/const1000
```



### **Crn\_MAX**

**Crn\_MAX** sensor formula:

```
(-  
(io_258:17*const1+io_258:18*const2+io_258:19*const4+io_258:20*const8+io_258:21*c  
onst16+i  
o_258:22*const32+io_258:23*const64+io_258:24*const128+io_258:25*const256+io_258
```

:26\*cons

t512+io\_258:27\*const1024+io\_258:28\*const2048+io\_258:29\*const4096+io\_258:30\*const8192+io\_258:31\*const16384)\*(io\_258:32-const1))/const1000+((io\_258:32\*const32768)-(io\_258:17\*const1+io\_258:18\*const2+io\_258:19\*const4+io\_258:20\*const8+io\_258:21\*const16+i  
o\_258:22\*const32+io\_258:23\*const64+io\_258:24\*const128+io\_258:25\*const256+io\_258:26\*cons

t512+io\_258:27\*const1024+io\_258:28\*const2048+io\_258:29\*const4096+io\_258:30\*const8192+io\_258:31\*const16384))\*io\_258:32)/const1000



## **Adding new criterion**

After creating the sensors, go to the Eco Driving tab and add new criterion for each of the sensors. Set the values according to the screenshots:



### **Acceleration**



### **Braking**



### **Cornering**



### **Calculation**

**Please note that «Calculate acceleration by: Eco Driving parameters» must be selected to calculate Eco Driving for io\_258.**



### **Eco Driving app**

After completing the setup, take a test drive and view the results in the Eco Driving app:



*Apps -> Eco Driving*



## **Driving quality in the EcoDriving app**

View the driver's quality in the app:

