

# Wialon+ADAS solution



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## ADAS on Wialon platform

Our devices are supported by many third-party platforms however, currently only one platform, Wialon supports our advanced driver safety system [ADAS](#).

In this chapter, we will show you how to configure the device and also how to configure the Wialon platform for receiving information from ADAS.

## Configurator set-up instructions for Spec ID on FMX640

**It is important to note that ONLY specific ADAS cameras starting with the Serial Number S/N: 9C can be connected and used with FMX640 devices. Cameras starting with different S/N numbers for example; 9B, are currently not supported.**

Base firmware version of the device will not have the ability to connect ADAS through RS235 connection, it has to be activated using special(spec) firmware. If you want to remove spec ID, you need to install **FMX64.Ver.01.02.10.Rev.103\_ID1** firmware, after that you can install spec **ID1039** firmware.

To use firmware **FMX64.Ver.01.02.10.Rev.103\_ID1039** which has spec ID a spec key is required to be inserted into the configurator **Teltonika.Configurator\_1.7.40\_B.FM64\_R.55**

To do that please go to Teltonika configurator window and press **Ctrl+Alt+I** on your keyboard.

Copy the key:

**jXIEpOLMg6bIyPDZdpIpKgSVCTVdvLyNEua76CNP2TQAAADTTaD1uQ/FhdhfRCCi7PRdtISu  
tkbDlC9c1UejUWUUSo5bwNhCHG5N**

**GCdn8Qh/DhVppOsbSfH/9Y+8SjUhbqvVNBiKZw9LTIT4nveAKc3ODwy7aumxvQoZEynV9+B  
44ucUIzDjk9WLVfQfjr54+40747drg4m**

**/HxoTFGoGg0GuLi7UKFsERiVClqT+b2Qh30L3hBgwqwqxjoUABAAAAAACIsf**

to “New key” section and press Register. If everything is OK, you will see new device added on the left side. After that you can use ADAS on FMX640

# Device configuration

## Step 1

Enable codec 8 extended.



## Step 2

Configure Domain and Port for the device to send data to the Wialon. This information you will find then you register the device in Wialon

Server Settings ⓘ

Domain

Port

Protocol

TCP UDP

TLS Encryption

None TLS/DTLS

## Step 3

Go to RS232/RS485 and enable ADAS in order for the configurator to open additional settings.



Configure the ADAS image sending and camera settings for your needs in the ADAS window which opens after selecting ADAS in RS232 input.



## Step 4

Go to I/O element and select required or desired parameter priority to Low.



## Step 5

ADAS server settings will be different:

Domain: Will be the same as from Wialon for the device

Port: 22297



# Wialon configuration

## Step 1

Login into Wialon and go to the Units and select New.

Configure the device and activate ADAS device according to the GIF.

**Note:** You must enter device IMEI in "Unique ID" to identify device in Wialon platform.

New unit

General

Access

Icon

Advanced

Sensors

Custom fields

Unit groups

Commands

Eco driving

Profile

Trip detector

Service intervals

Name: \*

New unit

Unit type:

Device type: \*

Teltonika FMC125

Teltonika FMB920

Teltonika TAT100

Unique ID:

Phone number:

Password:

Creator:

academyiot

Account:

Mileage counter:

GPS

Current value:

0

km

☐

Auto

Engine hours counter:

Engine ignition sensor

Current value:

0

h

☐

Auto

GPRS traffic counter:

Reset counter

Current value:

0

KB

☐

Auto

Export to file

Cancel

OK

## Step 2

Setting the command to request a photo.

Go to "Units tab" and push on "wrench" icon.

Now select "Commands" and press new.

Then you should press "New" button to call out new window.

You'll need to create the name of the command and select the command type according to the GIF.

After that press ok and the command will appear.

Unit Properties – MFMB640-ADAS

General

Access

Icon

Advanced

Sensors

Custom Fields

Unit Groups

Commands

Eco Driving

Profile

Trip Detector

Service Intervals

Name: \*

MFMB640-ADAS

Unit type:

Vehicle

Specify the vehicle type!

Device type: \*

Teltonika FMB640

Teltonika FMT100

Teltonika FMB640

TR06

Server address:

nl.gpsgsm.org:21756

IP

Unique ID:

352093088892905

Phone number:

Password:

Creator:

academyiot

Account:

teltonika\_free

Mileage counter:

GPS

Current value:

6

km

Auto

Engine hours counter:

Engine ignition sensor

Current value:

0

h

Auto

GPRS traffic counter:

Reset Counter

Current value:

125

KB

Auto

Restore Properties

Export to File

Cancel

OK

### Step 3

After the command was created, you should to go to the "Monitoring" tab, select needed device and press the arrow and select GPRS command.

After that you will see new window opened and a message where command was sent. A few more replies will be received with information that a photo was found and will be downloaded. Once the photo is downloaded, a notification icon will appear on the bottom-right corner, once clicked, the downloaded photo will appear on the screen.

