

Teltonika FMC003 4G 4G LTE OBDII tracker



Short installation and operating instructions



<https://wiki.flexcom.hu>

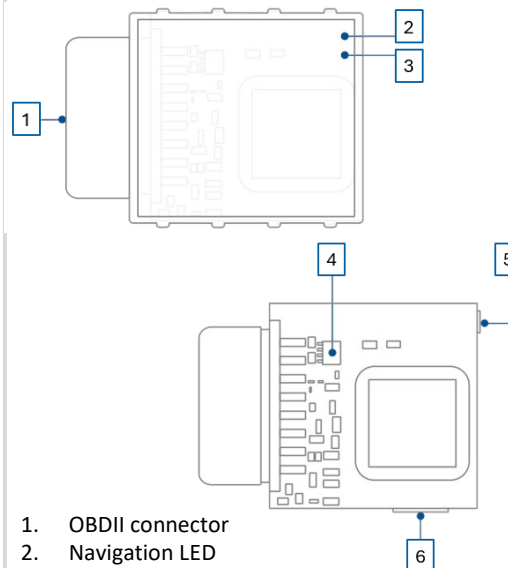


The device is a tracking device with satellite and GSM connection, capable of determining, collecting and transmitting the geographical coordinates of the device via the GSM network to a central server. The device has a standard OBD-II interface, which also allows monitoring the basic parameters of the vehicle.

Compact and intelligent tracking device with internal High Gain GNSS and GSM antennas and a built-in backup battery. In addition to the American GPS satellite system, it can also connect to GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS networks for location determination.



1. Device parts (top view)



1. OBDII connector
2. Navigation LED
3. Status LED
4. Battery connector
5. USB connector
6. SIM slot

Műszaki adatok

Size	67.2x49.6x25mm
Weight	63g
Network	2G: MeiG SLM320-PE2C: GSM: B2/B3/B5/B8 MeiG SLM320-L16A: GSM: B2/B3/B5/B8 4G: MeiG SLM320-PE2C: MeiG SLM320-PE2C LTE-FDD: B1/B3/B7/B8/ B20/B28 LTE-TDD: B38/B40/B41 MeiG SLM320-L16A: LTE FDD: B1/B2/B3/B4/B5/B7/ B8/B20/B28 LTE-TDD: B40
Accuracy	3m
Input voltage	10-30V
Battery	170 mAh Li-ion battery 3.7 V (0.63 Wh)
Charging time	1 hour
Standby time	30 minutes

2. Startup

2.1 Preparing the SIM card

If you did not obtain your SIM card from your dealer, you must set it up before inserting / using it in your device:

Insert the SIM card into your phone.

- **turn off the PIN code request option** in your phone settings,
- **Turn off the auto-answer option** and
- **call forwarding.**

After the above, insert the card After turning off the above, insert the card into the tracking device as per point 2.3, which will automatically turn on after being connected to a power source. the tracker.

2.2 Data traffic setup

If you did not get your SIM card from the distributor, you must connect it to the GSM network. This can be done by sending the following SMS messages to the card's phone number.

1. Set APN name SMS: setparam 2001: <APN name>
2. Set APN username SMS: setparam 2002:<APN username>
3. Set APN password SMS: setparam 2003:<APN password>

If your mobile service provider did not provide an APN username and password, messages 2 and 3 do not need to be sent.

If you have previously operated the device with the software of a tracking application provider, you should consult with the service provider before switching to a new SIM card, because they may have previously set a password for monitoring SMS traffic on the device and this must be deleted first.

Examples of provider APN names

The correct APN setting is essential to ensure the device has an internet connection. This setting guarantees the device's uninterrupted mobile internet connection, which is a prerequisite for the tracker to function. Use the following format and the values according to your service provider, for example:

- Telekom: setparam 2001:internet.telekom
- Yettel: setparam 2001:online
- One (Vodafone) subscription: setparam 2001:internet.vodafone.net
- One (Vodafone) prepaid: setparam 2001:vitamax.internet.vodafone.net

After the SMS is successfully sent, the device will respond with a confirmation message confirming the success of the setting.

2.3 Charging and inserting the SIM card

Charging

The internal battery is charged and maintained charged (with overcharge protection) by the vehicle's power source (battery) during normal operation.

If the device is not connected to a vehicle, a phone charger can also be used to charge the jump battery.

Inserting the SIM card



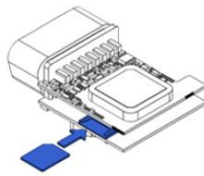
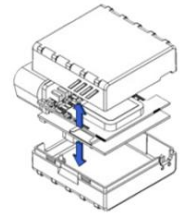
Inserting or removing the card can only be done when the device is switched off (disconnected from external power source, internal battery excluded) – otherwise the card may be damaged.

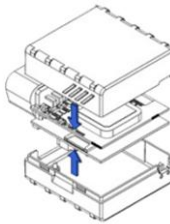
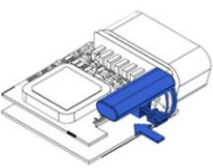
When replacing the card, remove the battery first after removing the device cover!



Only MICRO size SIM cards can be used with this product.

A SIM kártyát és az akkumulátort az alábbiak szerint helyezze be a készülékbe:





1 Removing the cover

2 Inserting a card

3 Connecting the battery

4 Reinstalling the cover

3.1 Settings and information

If you have SUBSCRIBED to the software service provided by the distributor, you can set and receive additional operating parameters of the device and all information related to tracking using the appropriate functions of the software.

If you have NOT SUBSCRIBED to the software service, you can find detailed information about the device settings and operation on the following website:

<https://wiki.teltonika-gps.com/view/FMC003>



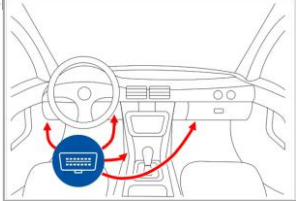
If you have subscribed to the software service, DO NOT USE the options on the above website.

Any extra costs incurred as a result or the costs of resolving any operational problems they may cause will be reimbursed by the service provider.

2.4 Device placement

The device is connected to the vehicle's standard OBD-II connector. By extending the connecting cable (professionally), the device can be placed anywhere inside the vehicle (in a place protected from environmental influences), usually in the passenger compartment of the vehicle.

Standard connection points:



Compatible OBD protocols:

- ISO 9141-2 (5 baud init, 10.4 kbaud)
- ISO 14230-4 KWP (5 baud init, 10.4 kbaud)
- ISO 14230-4 KWP (fast init, 10.4 kbaud)
- ISO 15765-4 CAN (11 bit ID, 250 kbaud)
- ISO 15765-4 CAN (11 bit ID, 500 kbaud)
- ISO 15765-4 CAN (29 bit ID, 250 kbaud)
- ISO 15765-4 CAN (29 bit ID, 500 kbaud)
- ISO 14229 (UDS)
- J2819 (VW TP2.0)



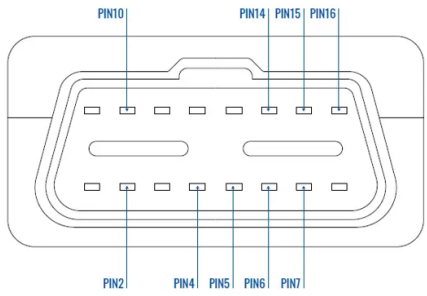
When connected to a power source (external or internal battery) and if the SIM card is inserted, the device turns on automatically.

3.2 Use your device through the application

Separate software is available to set or change the device parameters, query information, and use more advanced services (e.g. map route display, waiting and travel points, diagrams, travel notes, etc.). The distributor provides this as a subscription system, in the form of an application that can be downloaded on desktop computers and tablets in a browser (<https://gpspositions.net/map>), and on Android and iPhone cell phones.

After launching the application in a browser or phone:

1. In the login window, enter the username and password you received from the reseller or registered on its website.
2. Carefully review the information on using the software in the Help.



PIN 2	PWM_BUS+/VPW	
PIN 4	GND (-)	Ground
PIN 5	GND (-)	Ground
PIN 6	CAN_H	CAN high
PIN 7	K-Line	
PIN 10	PWM_BUS-	
PIN 14	CAN_L	CAN low
PIN 15	L-Line	
PIN 16	VCC (10-30)V DC(+)	Power source

3.3 App installation

If you have subscribed to a software service from your device vendor, then:

- For Android phones, you can install the app by scanning this QR code.
- For iPhone devices, use this code.





To use the software, you need an active internet connection on your phone or computer!

3. Using the device

LED indicators inform the user about the operation and status of the device.

Status indicator LED

Signal	Meaning
Flashes every 1 second	Normal mode
Flashes every 2 seconds	Sleep mode
Flashes quickly for a short time	Data traffic in progress
Off	The device is not working or is being powered on.

Navigate LED

Signal	Meaning
Constantly lit	No satellite connection
Flashes every 1 second	Satellite connection on
Off	No satellite connection (device is not working or in sleep mode)
Continuously flashing quickly	The device's own software is being updated.

If you do not use (have not subscribed to) the software service provided by the distributor, you can query or modify the device settings and functions by sending SMS messages to the phone number of the device's SIM card or using a computer using Teltonika's configuration software (Teltonika Configurator).

You can find more information on the manufacturer's websites below:

<https://teltonika-gps.com/products/trackers/fmc003>

https://wiki.teltonika-gps.com/view/Teltonika_Configurator

Teltonika FMC003 4G 4G LTE OBDII tracker



Operating instructions and further information



<https://wiki.flexcom.hu>



Place of origin: Lithuania

Manufacturer

TELTONIKA IOT GROUP

Country : Litvánia

Address : Saltoniškių st. 9B-1, LT-08105, Vilnius, Lithuania

Phone : +37-052409650

Email : info@teltonika.lt

Website : <https://teltonika.lt>

Importer / distributor

FLEXCOM COMMUNICATION LTD.

Address: 2151 Fót, Szent Imre str. 94. Hungary

Phone: +36 1 769 1005

Mobile 1: +36 70 3333 525

Mobile 2: +36 70 3333 527

Phone service: (Monday–Thursday) 9.00–15.00

Email: info@flexcom.hu

Website: <https://flexcom.hu>

Safety information

The appliance is not intended for use by persons with reduced physical, sensory or mental capabilities, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

When using a GPS device, the following safety precautions must be observed to ensure proper operation of the device:

- **Power supply:** Operate the device only with the specified power supply voltage. Check that the power source meets the technical requirements of the device and only use chargers recommended by the manufacturer.
- **Storage:** Keep the device in a dry and well-ventilated environment. Do not store in a damp or humid location as this may damage the internal circuits.
- **Temperature:** Avoid extreme temperatures. It may cause the device to malfunction or fail if left in an overheated (above 50°C) or overcooled (below 0°C) environment.

- **Handling:** Handle the device with care. Avoid shock, strong vibration and mechanical shock, which may damage the device.
- **Cleaning:** Use a dry, soft cloth to clean the device. Do not use chemicals, cleaning agents or solvents. Always disconnect the device from the power source before cleaning.
- **Disassembly:** Do not attempt to disassemble or modify the device. Disassembly may not only invalidate the warranty but may also cause the device to malfunction. If you do disassemble the device, first disconnect it from the power supply and remove the SIM card.
- **Child protection:** Keep the device out of the reach of children, especially as it contains small parts that could cause choking if swallowed.
- **Environmental awareness:** Dispose of the device and its components in accordance with local waste disposal regulations. Do not dispose of electrical and electronic waste in household waste.

- **Installation:** The device must only be installed by a qualified person. The device must be installed in accordance with the regulations.
- **Interference:** This device emits radio frequency signals—do not use where these signals may cause interference with other devices.
- **Battery use:** If you notice that the operating time is significantly reduced, have the battery replaced as soon as possible to avoid malfunction. Have the battery replaced by a qualified service technician - contact your product dealer for information.
- **Programming:** Always set up and program the device according to the manufacturer's instructions.
- **Warning for expectant mothers:** Due to the radio frequency signals emitted by the device, it is recommended that expectant mothers use the device at a distance of at least 20-30 cm and avoid direct contact with the abdominal area.

- **Emergencies:** The GPS device is not a substitute for traditional emergency call systems. In the event of an emergency, use the communication channels provided by local authorities.

Declaration of Conformity and Certificate

Manufacturer declares under its sole responsibility that the product identified above is in compliance with the essential requirements and other relevant provisions of the following directives:

- 2014/53/EU - Radio Equipment Directive (RED)
- 2014/30/EU - Electromagnetic Compatibility Directive (EMC)
- 2011/65/EU - Restriction of Hazardous Substances (RoHS)

Guarantee

The product is covered by a 2-year warranty, valid from the date of purchase. The warranty covers material and manufacturing defects that occur under normal use.

The warranty does not cover:

- damage resulting from improper use,
- physical damage and
- unprofessional repair or modification.

In warranty matters, please contact the place of purchase or the distributor. The original proof of purchase is required to validate the warranty.

Related documents

Declaration of conformity, standards, certificates; environmental and detailed technical and usage information: <https://wiki.flexcom.hu>

	This symbol indicates that this product should not be disposed of with household waste at the end of its life. Please hand it in at a designated recycling point or use the services of your local collection point.
	The CE marking shows that the product complies with the safety, health and environmental requirements of the European Union.
RoHS	RoHS compliance indicates that the product does not contain hazardous substances such as lead, mercury or cadmium above specified limits.