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

# TCT Device Status

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Contents

The **Telematics Configuration Tool (TCT)** provides real-time information about your Telematics unit **Device Status**. Main device information, GNSS status, cellular information and other useful device details can be accessed instantly. Additionally, you can update firmware, reboot the device, format the device's internal storage, export all of the information as a .HTML file, enable SIM security, reset SMS/network data, collect dump/log files, read accelerometer values, and control digital outputs in the same window. More detailed information about all of the mentioned features can be found below:

Device information

Displays all the details about device hardware, internal memory, power source, and more, including:

- **IMEI** - Displays a unique 15-digit number used to identify device within a mobile network.
- **Firmware version** - Displays devices' current firmware version.
- **Last Start time** - Displays devices' the last start time.
- **RTC time** - Displays devices' Real Time Clock information.
- **Device uptime** - Displays devices' working time since last start.
- **Power voltage -** Displays the external power supply voltage that device is connected to.
- **Ext storage (used/total)** - Displays devices' total amount of storage used and the total storage capacity.

- **Battery voltage -** Displays devices' the current battery voltage.
- **Internal battery status -** Displays devices' current battery level and battery status (Charging/Not charging).
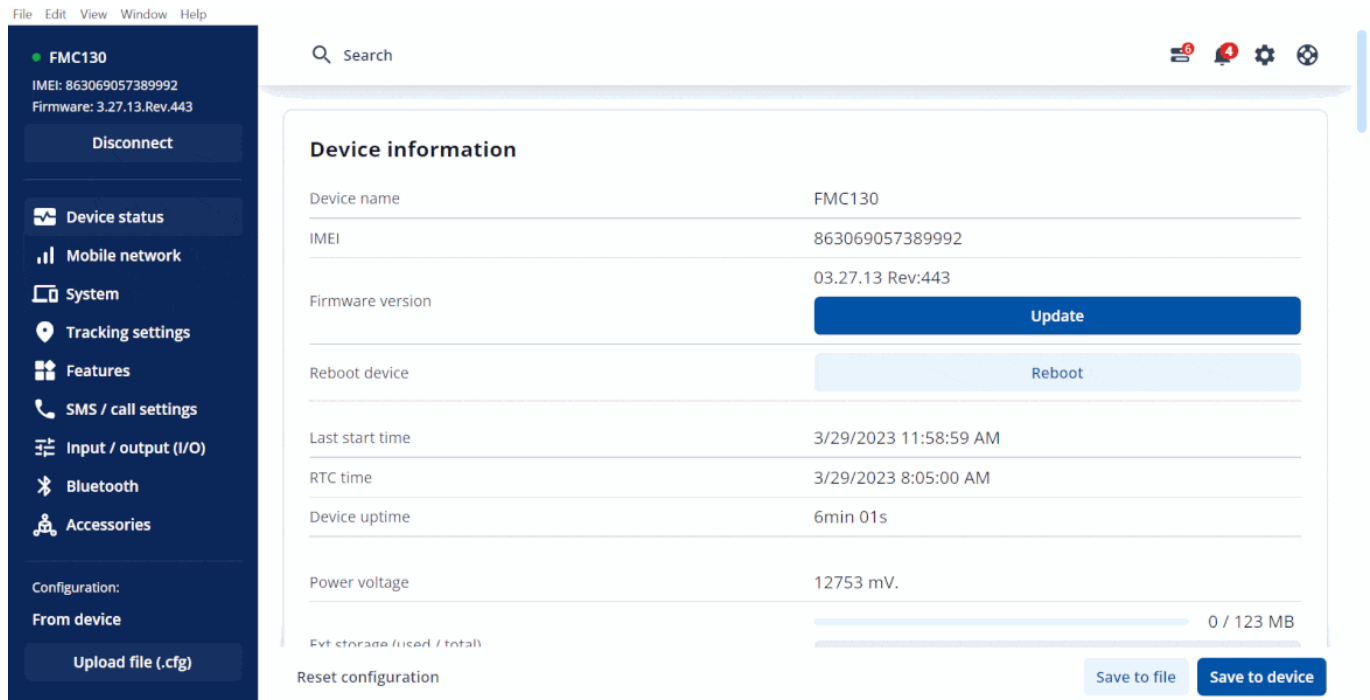
Update
This button is used to update the firmware of the device. To do this please follow the steps below.
1. First, you must have a firmware file (e.xim).
2. Then click the update button and locate your firmware file.
3. Select the file and wait for the device to update its firmware.
Reboot
This button is used to reboot (restart) your connected device.

Format
This button is used to format your connected devices' internal flash storage.
Export
This button is used to export connected devices' statuses to .HTML file format.

GNSS information

Device location with general GNSS data information. Typically, this data is used to troubleshoot location issues or time synchronization issues using GNSS.

Location

A mini-map is displayed along with all the detailed information for the device location, such as:

- **Latitude/Longitude**
- **Altitude**
- **Speed**
- **Angle**
- **HDOP**
- **PDOP**

GNSS status

This feature displays all detailed information regarding GNSS status, including:

- **Module status** - ON, GPS Sleep, Deep Sleep, Online Deep Sleep, Ultra Deep Sleep mode.
- **GNSS packets** - Displays the number of GNSS packets received.
- **Fix status** -Fix/No Fix. *(Note: Fix time strongly depends on indoor/outdoor location ,to achieve best performance acquiring **GNSS fix** device should be used in outdoor locations)*
- **Fix time** - Displays the last GNSS fix time.
- **Satellites**
  - **Visible** - Displays the number and type of satellites that are visible.
  - **In use** - Displays the number of satellites used for location positioning.
    - **GPS**
    - **GLONAS**
    - **BeiDou**
    - **Galileo**
    - **IRNSS**
    - **Satellites** - Total number of **Visible** and **In use** satellites.

Cellular information

Device modem, cellular, and network-related information:

Cellular Status

- Modem status
- Network status
- Current operator code
- Signal Level

Network traffic

- Sent data - Data sent by device calculated in bytes without network data usage. This counter can be reset by pressing **Reset** button.
- Received data - Data received by device calculated in bytes without network data usage. This counter can be reset by pressing **Reset** button.
- Total Traffic - A sum of **Sent data** and **Received** data in bytes.

Socket

- Type
- Socket - Current socket open for data sending. Structure: IP address : Port number (Protocol).

Records

- Sent records count - The number of records sent.
- Last record send - The time when the last record was sent.
- Last server response time - The time when the last server response was received.

SMS

- Sent SMS - The number of SMS sent. This counter can be reset by pressing **Reset** button.
- Received SMS - The number of SMS received. This counter can be reset by pressing **Reset** button.
- SMS count - A sum of **Sent SMS** and **Received SMS.**

File Edit View Window Help

● **FMC130**
IMEI: 863069057389992
Firmware: 3.27.13.Rev.443

Disconnect

🔍 Search

Cellular information

Check the current status of the cellular modem and other cellular-related information. The following information contains cellular status, network traffic, sockets, records, and SMS.

Cellular status

Modem status	On
Network status	Activated
Current operator code	42402
Signal level	Excellent signal

- 📈 Device status
- 📶 Mobile network
- 🖥 System
- 📍 Tracking settings
- 🔲 Features
- 📞 SMS / call settings
- 🎛 Input / output (I/O)
- ⚹ Bluetooth
- ⚘ Accessories

Configuration:

From device

Upload file (.cfg)

Network traffic

Sent data	754020 B
	Reset
Received data	18074 B
	Reset

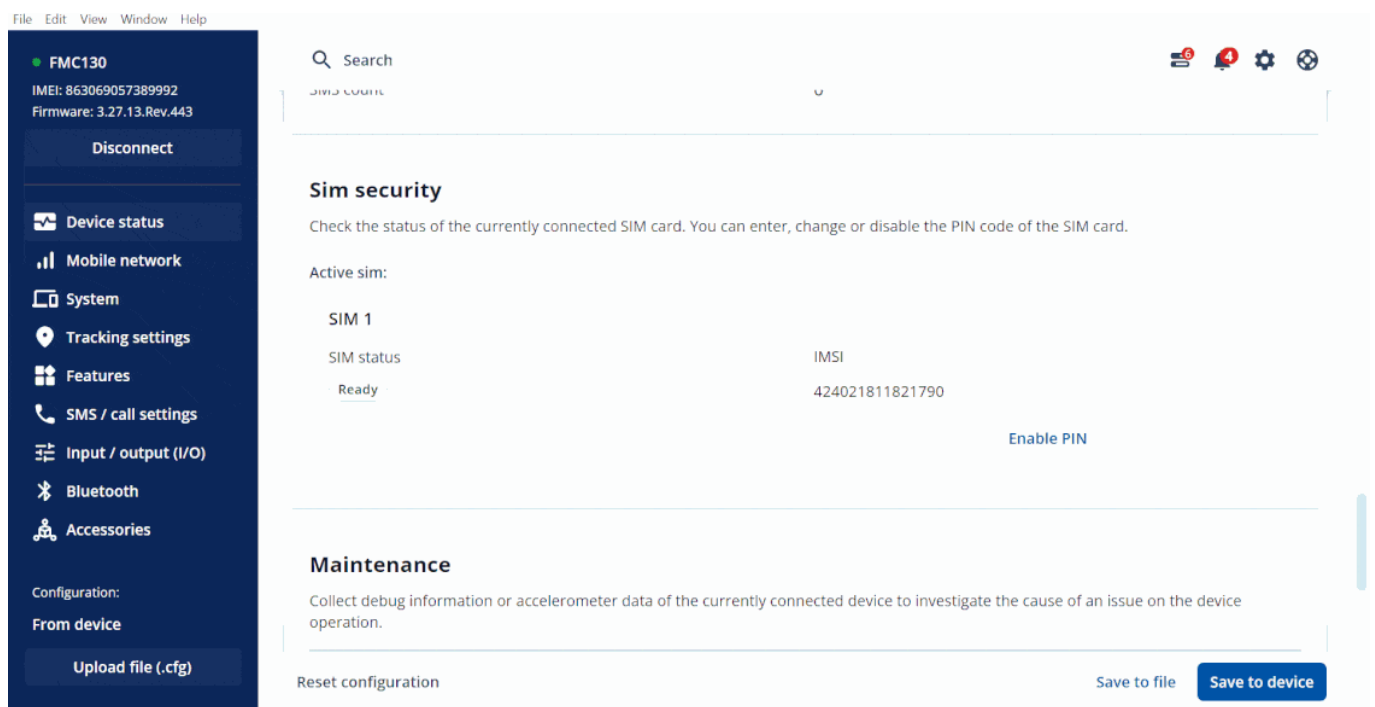Reset configuration   Save to file   **Save to device**

Sim security

SIM card information, as well as ability to enable or disable PIN code.

Enable PIN

Enables PIN code of the SIM card for additional security.

- To activate SIM PIN click the **Enable PIN** button and type your desired PIN.

Note: This is available only when PIN code is removed on the SIM card.

Maintenance

Device debug information that allows to investigate the cause of an issue with the device.

Log

After clicking **Log** button, the device will start capturing logs for 10 minutes (can be canceled anytime). When logging in finished it will be added to a compressed file along with configuration of device. Logs can be open directly using notepad.
Archive name: YYYY_MM_DD_HH_MM_SS_FMC130_IMEI_Log.zip

Dump

After clicking **Dump** button, the device begins capturing the **.dmp** logs from devices' internal memory. When capturing in finished it will be added to a compressed file along with configuration of device. Dump files can only be read by special software, Teltonika Support or your sales manager can assist you with these files if necessary.
*Archive name: YYYY_MM_DD_HH_MM_SS_FMC130_IMEI_Dump.zip*

Open file

After taking logs or dump logs this button will appear at the lower left corner of the screen , once you click this button it will redirect you to the directory where the logs and dumps will be save. *Default Directory: C:\Users\<username>\AppData\Roaming\Teltonika\logs*

Accelerometer

After clicking **Read** button, the device will start capturing accelerometer values for 10 sec
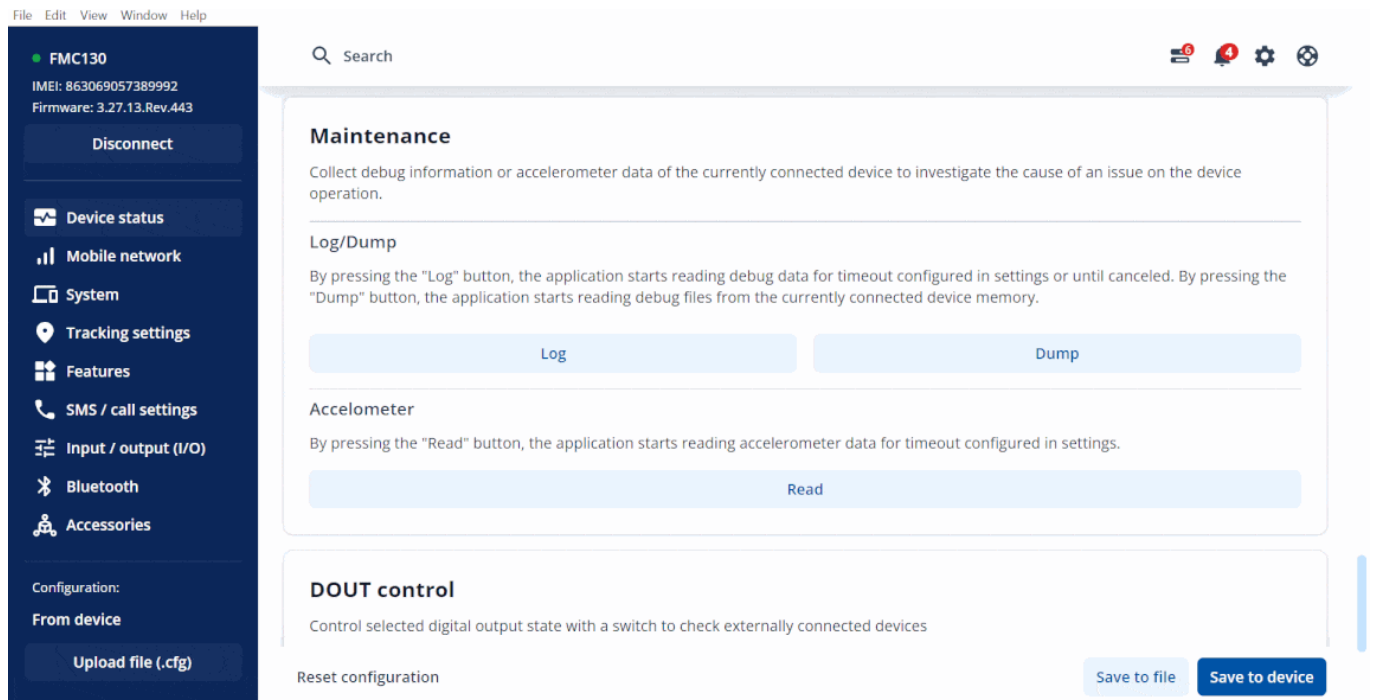
DOUT control

By using the toggle button, you can manually regulate the device's digital output (DOUT), which typically provides a negative power signal used to control relays, LED lights, buzzers, and other devices.

FMC130

IMEI: 863069057389992
Firmware: 3.27.13.Rev.443

Disconnect

Device status

Mobile network

System

Tracking settings

Features

SMS / call settings

Input / output (I/O)

Bluetooth

Accessories

Configuration:

From device

Upload file (.cfg)

Search

Accelometer

By pressing the "Read" button, the application starts reading accelerometer data for timeout configured in settings.

Read

DOUT control

Control selected digital output state with a switch to check externally connected devices

DOUT 1

DOUT 2

DOUT 3

Reset configuration   Save to file   **Save to device**