

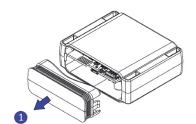
TAT100 *BLE ASSET TRACKEREASY

Quick Start Guide



01. FIRST START

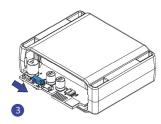
- 1. Remove the cover.
- Insert Micro-SIM card as shown with PIN request disabled or read Security info how to enter it later in Configurator. Make sure that Micro-SIM card cut-off corner is pointing forward to slot.
- Flip the switch to ON.
- Configure the device. When it is done, reattach the cover and push it in place.
- Device is ready to be used.

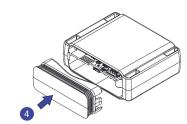






Micro-SIM card insertion/removal must be performed when device is turned off. Otherwise Micro-SIM card might be damaged or device will not detect it.





02.CONFIGURE YOUR DEVICE

02.01. PC PREPARATION (WINDOWS)

1. Please download Teltonika COM port drivers from here:

https://wiki.teltonika-mobility.com/wikibase/images/d/d0/ TeltonikaCOMDriver.zip

- Extract and run TeltonikaCOMDriver.exe.
- Click **Next** in driver installation window.
- In the following window click **Install** button.
- Setup will continue installing the driver and eventually the confirmation window will appear. Click Finish to complete the setup.

02.02. CONFIGURATOR (WINDOWS)

Upon purchase, the device will have default factory settings unless pre-configured device settings are ordered. These settings should be changed according to the user's needs. Main configuration can be performed via Teltonika Configurator software. Configurator operates on Microsoft Windows OS and uses prerequisite MS .NET Framework. Make sure you have the correct version installed: MS .NET Framework 4.6.2 or newer.

- Connect device to computer using Micro-USB cable and open Teltonika Configurator.
- Configuration process begins by pressing on connected device:



- After you have finished configuring the device, press **Save to device** button. When configuration is saved, disconnect the device from USB and reattach
- the cover.

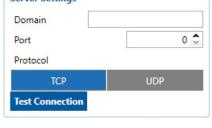
02.03. IMPORTANT CONFIGURATION NOTES

GPRS SETTINGS

We strongly recommend testing the network connection from device to the server before adjusting TAT100 configuration to your needs.

Use the following steps to perform this test:

- Configure these parameters: APN, server Domain and server Port:
- Save configuration to the device by clicking on a Save to device button; Initiate connection by pressing the **Test Connection** button.
- Server Settings



Teltonika TM2500

GSM/GPRS/GNSS/Bluetooth

At this point, TAT100 will create one high-priority record and initiate connection to the server immediately.

If connection was not initiated, it can mean any of the following: Improperly inserted SIM Card

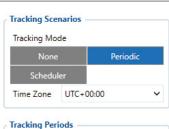
- Incorrect values are set to these fields: APN, Domain or Port;
- GPRS functionality disabled by GSM provider
- No GSM coverage
- Server cannot be reached

Try solving this problem before proceeding with further device configuration.

TRACKING SETTINGS

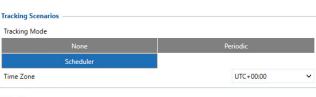
On Stop (s)

On Moving (s)



Periodic: This mode is used to get positioning data at fixed intervals. Configuration range is from 360 to 259200 (in seconds).

Scheduler: This mode is used to get positioning data at fixed schedule. Device can send positioning data up to 6 times on set days.



28800 \$

28800 \$

Day of the Week	Records per day		1st	2nd	3rd	4th	5th	6th
Monday	1	~	12:00	12:00	12:00	12:00	12:00	12:00
Tuesday	1	~	12:00	12:00	12:00	12:00	12:00	12:0
Wednesday	1	~	12:00	12:00	12:00	12:00	12:00	12:0
Thursday	1	~	12:00	12:00	12:00	12:00	12:00	12:0
Friday	1	~	12:00	12:00	12:00	12:00	12:00	12:0
Saturday	1	~	12:00	12:00	12:00	12:00	12:00	12:00
Sunday	1	~	12:00	12:00	12:00	12:00	12:00	12:0

Main rules of setting Schedule:

Memory

- Intervals between different times must be at least 6 minutes.
- Days of the week must be selected and highlighted for the device to send records according to set schedule.

More details about device configuration using Teltonika Configurator can be found in the Teltonika TELEMEDIC wiki knowledge base https://wiki.

128 MB internal flash memory (220'000 records)

03. CHARACTERISTICS

MODULE

Name

Technology

		_			
GNSS	GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS				
Receiver	33 channel	33 channel			
Tracking sensitivity	-165 dBM				
Accuracy	< 3 m				
GNSS receiver start ti	nes Hot < 1s, Warm < 25s, Cold < 35s	Hot < 1s, Warm < 25s, Cold < 35s			
CELLULAR					
Technology	GSM/GPRS Multi-Slot Class 12 (up to 240 kbps)/ GPRS Mobile Station Class B				
2G bands	Quad-band GSM 850 / 900 / 1800 / 1900 MHz				
Data support	SMS (text)				
POWER					
Internal batteries	2x 2700mAh extremely low self-discharge Li-SOCl2 batteries 3.6V (19.44 Wh)				
INTERFACE					
GNSS, GSM antenna	Internal High Gain				
Chipset	Ultra-low-power Bluetooth BlueNRG-232				
Sensors	Accelerometer				
USB	2.0 Micro-USB				
SIM	Micro-SIM, eSIM possibility				

Buttons On/		Off switch				
FEATURES						
Configuration and firmware update	FOTA Web (cloud-based firmware over the air solution) Teltonika Configurator (USB)					
Scenarios	and Tem fend	nanced tamper detection, Accelerometer wake up, GNSS d LBS, Indoor tracking, Bluetooth sensor support (Light, nperature, Humidity, etc.), Recover mode, Manual Geoce, Movement detection, Scheduler with time zones, toking on stop / on move, Backup Tracking, Static navigation.				
Protocols	UDP/TCP					
Data sending	Main, Duplicate and Backup servers					
Security	Configuration password urity SMS login and password Authorized GSM numbers list					
Time Synchronization	ime Synchronization GNSS, NTP, NITZ					
PHYSICAL SPECIFICATION	ı					
Dimensions		78 x 63 x 28 mm (L x W x H)				
Ingress Protection Rating		IP68				
BLUETOOTH						
Specification		Compliant with Bluetooth v4.2 + LE				
Supported peripherals		Temperature and humidity sensor				
CERTIFICATION & APPROVALS	8					
Regulatory (pending)		CE(RED), EAC, UCRF, REACH				

04. SAFETY INFORMATION

This message contains information on how to operate TAT100 safely. By following these requirements and recommendations, you will avoid dangerous situations. Please read these instructions carefully and follow them strictly before operating the device! Use only original batteries



All wireless devices are sensitive to electromagnetic interference,

and liquids

as a result wireless devices might affect the performance of each



Operate the device in suitable conditions Comply with local traffic laws, do not operate the device with your

hands while driving. Your safety is of utmost importance when you Be cautious near flammable materials



Using uncertified manufacturer or different type batteries may cause the device to malfunction or even explode.

Protect batteries from moisture. Avoid extensive operation at high temperatures. Batteries are integrated, do not attempt to change or charge the batteries.



Other In order to prevent device from mechanical damage it is advisable to transport it in a shock-resistant packaging. If device stopped



working properly regardless of the settings only a qualified specialist can help. It is recommended to contact your local seller or your UAB Teltonika Telemedic manager in such a case.

05. TROUBLESHOOTING

TAT100 doesn't send data to your configured server: Check if the device is turned on.

- Make sure that Tracking settings are configured correctly. If using Scheduler tracking mode, make sure that days are selected and highlighted in the configurator.
- Make sure that correct time zone is selected.
- Check if your APN, Domain and Port are entered correctly and GPRS data is enabled.
- If the device is not detected by the PC while plugged in: · Reinstall TeltonikaCOMDriver. Try using a different COM port.

Try different Micro-USB cable. Reinstall MS .NET Framework. More information about troubleshooting can be found in:

wiki.teltonika-mobility.com

to the sky is not obstructed.

If these recommendations did not help, please contact your sales manager or contact us directly through Teltonika VipHelpDesk. Find recommendations on how to fill in a query in our FAQ page in the Teltonika Wiki Knowledge base.

06. MOUNTING RECOMMENDATIONS

- We recommend placing the device in such a way, that the GNSS antenna is facing upwards to the sky. We recommend to install the device in a place where the TAT100 line of sight

reduced 6 month warranty period. If a product fails within mentioned warranty

07. WARRANTY AND RETURN POLICIES TELTONIKA devices are given with 24 months warranty. All batteries carry a

- period the product can be:
 - Repaired
 - Replaced with a new product Replaced by a repaired product

production is discontinued.

Replaced by an equivalent product if the

This warranty does not apply to products you purchased from unauthorized reseller, or where product is damaged as a result of abuse, accident, modification

or other cause beyond our reasonable control. How to submit a warranty claim

To obtain warranty service, please register Return Merchandise Authorization

(RMA) query in VIP Helpdesk or contact your sales manager. After gathering information support engineer will initiate RMA form, which the user would need to fill in. Once the form is confirmed, it must be printed and sent with the shipment.

More information can be found at: https://teltonika-iot-group.com/warranty-repair/

08. CERTIFICATIONS AND APPROVALS

- TAT100 EAC TAT100 UCRF TAT100 REACH
- TAT100 Declaration of IMEI assignment
- **TAT100 Declaration of IMEI security**