

# FTC921 First Start

[Main Page](#) > [Basic Trackers](#) > [FTC921](#) > **FTC921 First Start**

**Small and smart tracker**



## Contents

- [1 KNOW YOUR DEVICE](#)
- [2 HOW TO INSERT NANO-SIM CARD AND CONNECT THE BATTERY](#)
- [3 PC CONNECTION \(WINDOWS\)](#)
- [4 HOW TO INSTALL USB DRIVERS \(WINDOWS\)](#)
- [5 CONFIGURATION \(WINDOWS\)](#)
- [6 PINOUT](#)
- [7 MOUNTING RECOMMENDATIONS](#)

## KNOW YOUR DEVICE



## HOW TO INSERT NANO-SIM CARD AND CONNECT THE BATTERY

1. Gently remove FTC921 **cover** using **plastic pry tool** from one side.
2. Gently remove FTC921 **cover** using **plastic pry tool** from another side.
3. Insert **Nano-SIM** card as shown. Make sure that Nano-SIM card **cut-off corner** is pointing forward to slot.
4. Connect the battery as shown on device. Position the battery in place where it does not obstruct other components.
5. Attach device **cover** back. Device is ready to be connected.



**Nano-SIM card insertion/removal must be performed when device is powered off -**

- external voltage and internal battery disconnected. Otherwise Nano-SIM card might be damaged or device will not detect it.**

## PC CONNECTION (WINDOWS)

1. Power-up FTC921 with DC voltage (10-90V) power supply using power wires. LEDs should start blinking, see "[LED behaviour description](#)".
2. Connect device to computer using USB Type-C cable and install USB driver, see "[HOW TO INSTALL USB DRIVERS \(WINDOWS\)](#)".

## HOW TO INSTALL USB DRIVERS (WINDOWS)

1. Please download COM port drivers from [here](#).
2. Extract and run **TeltonikaCOMDriver.exe**.
3. Click **Next** in driver installation window.
4. In the following window click **Install** button.
5. Setup will continue installing the driver and eventually the confirmation window will appear. Click **Finish** to complete the setup.

## CONFIGURATION (WINDOWS)

At first FTC921 device will have default factory settings set. These settings should be changed according to the user's needs. Main configuration can be performed via [Teltonika Configurator tool \(TCT\)](#).

## PINOUT

PIN NUMBER	PIN NAME	DESCRIPTION
1	VCC	(Red) Power supply (+10-90 V DC) (+).
2	GND	(Black) Ground (-).
3	DIN1	(Yellow) Digital input, channel 1. DEDICATED FOR IGNITION INPUT. Input range: 7.5-90 V DC.
4	AIN1	(Grey) Analog input, channel 1. Input range: 0-90 V DC.
5	DOUT1	(White) Digital output. Open collector output. Max. 0,5 A DC.

## MOUNTING RECOMMENDATIONS

### CONNECTING WIRES

- Wires should be fastened to stable wires or other non-moving parts. Any heat emitting and/or moving objects should be kept away from the wires.
- There should be no exposed wires. If factory isolation was removed while connecting wires, the isolation material should be applied.
- If the wires are placed in the exterior or in places where they can be damaged or exposed to heat, humidity, dirt, etc., additional isolation should be applied and the wires should not be loose.
- Wires cannot be connected to the board computers or control units.

### CONNECTING POWER SOURCE

- Be sure that after the car computer goes to sleep mode, power might be still available on the power wires. Depending on car, this may happen in 5 to 30 minutes period.
- When module is connected, measure voltage again to make sure it did not decrease.
- It is recommended to connect to the main power cable in the fuse box.
- 3 A, 125 V external fuse shall be used.

### **CONNECTING GROUND WIRE**

- Ground wire is connected to the vehicle frame or metal parts that are fixed to the frame.
- If the wire is fixed with the bolt, the loop must be connected to the end of the wire.
- For better contact scrub paint from the spot where loop is going to be connected.