

Teltonika FMP100

Teltonika FMP100 GPS Tracker User Manual

Model: FMP100

Brand: Teltonika

1. INTRODUCTION

The Teltonika FMP100 is a highly versatile and easy-to-use Plug and Play GPS tracker. It features GNSS, GSM, and Bluetooth connectivity, designed for straightforward installation via a cigarette lighter power connector. This device is an ideal solution for various light vehicle tracking applications, including courier delivery services, car rental and leasing, and insurance telematics, where simple integration is paramount. Equipped with Bluetooth 4.0 LE, the FMP100 offers advanced tracking capabilities, such as data reading from Bluetooth Low Energy sensors, hands-free headset usage, and convenient firmware and configuration updates.

2. PRODUCT OVERVIEW

The FMP100 is a compact and efficient GPS tracker that plugs directly into a vehicle's cigarette lighter socket. It is designed for quick deployment and provides reliable tracking data. The device includes a built-in USB charger, allowing users to power other devices even when the tracker is in use. Its integrated button and RGB LED/Buzzer provide real-time status indications and allow for mode switching.



Figure 2.1: Front view of the Teltonika FMP100 GPS Tracker, showing its compact design and USB charging port.

3. KEY FEATURES

- **Easy Installation:** Plug and Play design with a cigarette lighter power connector for quick and simple setup.
- **Built-in Button:** Allows users to switch between Private/Business trip modes or generate an alarm event in case of emergency.
- **RGB LED / Buzzer:** Provides real-time status indications and event notifications, with customizable alerts.
- **USB Charger:** Integrated USB port for charging external devices like smartphones or tablets, ensuring the cigarette lighter port remains functional.
- **Bluetooth Connectivity:** Bluetooth 4.0 LE for connecting to external devices and Low Energy sensors.
- **Integrated Scenarios:** Supports various intelligent scenarios including Crash detection (based on accelerometer data), Green Driving, Over Speeding detection, Jamming detection, GNSS Fuel Counter, Excessive Idling detection, Unplug detection, Towing detection, Auto Geofence, Manual Geofence, and Trip management.

- **Various Sleep Modes:** Includes GPS Sleep, Online Deep Sleep, Deep Sleep, and Ultra Deep Sleep modes for optimized power consumption.
- **Intelligent Data Collection:** Data collection based on time, distance, angle, ignition status, speed, and I/O events.

4. PACKAGE CONTENTS

Upon opening the package, please verify that all components are present and undamaged. The standard package for the Teltonika FMP100 GPS Tracker includes:

- Teltonika FMP100 GPS Tracker Unit
- Internal Battery (pre-installed)



Figure 4.1: The Teltonika FMP100 device alongside its retail packaging.

5. SETUP AND INSTALLATION

The Teltonika FMP100 is designed for extremely easy, plug-and-play installation. No complex wiring or professional assistance is typically required.

1. **Locate Cigarette Lighter Socket:** Identify an available 12V cigarette lighter power socket in your vehicle. Ensure the socket is clean and free of debris.
2. **Insert the Device:** Firmly insert the Teltonika FMP100 into the cigarette lighter socket. Push it in until it is securely seated.
3. **Power On:** Once inserted, the device will automatically power on. Observe the RGB LED for status indications

(refer to the Operating section for LED behavior).

4. **Initial Configuration (Optional):** For advanced features or specific tracking parameters, the device can be configured via Bluetooth using the appropriate Teltonika software or mobile application. Refer to the official Teltonika website for software downloads and detailed configuration guides.



Figure 5.1: Close-up view of the FMP100, highlighting the USB charging port and the cigarette lighter connector.

6. OPERATING THE DEVICE

The FMP100 operates largely autonomously once installed. However, certain features and indicators provide user interaction and status information.

6.1. Built-in Button Functionality

The device features a single button for specific actions:

- **Trip Mode Switching:** Press the button to toggle between Private and Business trip modes. This helps categorize

your travel data.

- **Emergency Alarm:** In case of an emergency, pressing and holding the button may trigger a pre-configured alarm event, sending a notification to designated contacts or monitoring systems. Refer to your specific configuration for details.

6.2. RGB LED and Buzzer Indicators

The RGB LED and integrated buzzer provide visual and audible feedback on the device's status and events. The exact meaning of LED colors and buzzer patterns can be customized, but common indications include:

- **Power Status:** Indicates if the device is powered on and receiving power.
- **GNSS/GPS Status:** Shows if a GPS fix has been acquired.
- **GSM/Network Status:** Indicates connection to the cellular network.
- **Bluetooth Status:** Shows active Bluetooth connections.
- **Event Notifications:** Alerts for specific events like overspeeding, geofence entry/exit, or unplug detection.

6.3. USB Charging Port

The FMP100 includes a standard USB charging port. This allows you to charge other portable electronic devices, such as smartphones or tablets, directly from the tracker while it is plugged into the vehicle's cigarette lighter socket. This ensures the socket remains available for charging other devices.

6.4. Intelligent Data Collection and Modes

The device intelligently collects data based on various triggers and can operate in different power-saving modes:

- **Data Triggers:** Data can be recorded based on time intervals, distance traveled, angle changes, ignition status, vehicle speed, and specific input/output (I/O) events.
- **Sleep Modes:** To conserve power, the FMP100 supports several sleep modes:
 - *GPS Sleep:* GPS module is off, but GSM remains active.
 - *Online Deep Sleep:* Device stays connected to the server but consumes less power.
 - *Deep Sleep:* Device disconnects from the server and wakes up on specific events.
 - *Ultra Deep Sleep:* Lowest power consumption mode, device wakes up only on ignition or external power.

7. MAINTENANCE

The Teltonika FMP100 is designed for low maintenance. To ensure optimal performance and longevity, consider the following:

- **Keep Clean:** Periodically wipe the device with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals or abrasive cleaners.
- **Environmental Conditions:** Operate the device within its specified temperature and humidity ranges. Avoid exposing it to extreme heat, cold, or direct moisture.
- **Secure Connection:** Ensure the device remains securely plugged into the cigarette lighter socket to prevent intermittent power loss.
- **Firmware Updates:** Regularly check the official Teltonika website for available firmware updates. Keeping the firmware updated can improve performance, add new features, and resolve potential issues.

8. TROUBLESHOOTING

If you encounter issues with your Teltonika FMP100, try the following basic troubleshooting steps:

- **No Power/LED Off:**
 - Ensure the device is fully inserted into the cigarette lighter socket.
 - Check if the vehicle's cigarette lighter socket is functional (test with another device).
 - Verify the vehicle's ignition is on, as some sockets are only powered when the ignition is active.
- **No GPS Signal:**
 - Ensure the vehicle is in an open area with a clear view of the sky. GPS signals can be obstructed by buildings, tunnels, or dense foliage.
 - Allow sufficient time for the device to acquire a GPS fix, especially after initial power-up or long periods of inactivity.
- **No Data Transmission (GSM Issue):**
 - Check the GSM LED indicator. If it's not active, there might be a network issue or SIM card problem (if applicable, though FMP100 typically has an internal SIM).
 - Ensure you are in an area with cellular network coverage.
- **Unplug Detection Alarm:**
 - If you receive an "Unplug Detection" alert, it means the device has been removed from its power source. Re-insert it securely.
- **Device Not Responding:**
 - Carefully remove the device from the socket and re-insert it to perform a soft reset.

For persistent issues or advanced troubleshooting, please refer to the official Teltonika support resources or contact their technical support.

9. TECHNICAL SPECIFICATIONS

Specification	Value
Brand	Teltonika
Model	FMP100
Manufacturer	Teltonika
Item Model Number	FMP100
Package Dimensions	17.3 x 15.1 x 3.6 cm
Item Weight	150 g
Compatible Devices	Smartphone (for app control)
Special Features	Built-In Bluetooth, GPS Navigation
Mounting Hardware	Battery (internal)
Number of Items	1

Specification	Value
Audio Wattage	50 Watts (for USB charger output)
Wattage	5E+1 (50 Watts)
Batteries Required	No (internal battery for backup)
Wireless Type	Bluetooth
Connector Type	Bluetooth, Cellular, USB (for charging)
Country of Origin	Lithuania
Connectivity Technology	Bluetooth, Cellular
Controller Type	Android (via app)
Number of Channels	1
Control Method	App

10. WARRANTY INFORMATION

The Teltonika FMP100 GPS Tracker typically comes with a standard manufacturer's warranty. While specific warranty terms may vary by region and retailer, a 1-year extended warranty option was noted for this product. For precise details regarding your product's warranty period, coverage, and claims process, please refer to the warranty card included with your purchase or visit the official Teltonika website.

11. SUPPORT AND CONTACT

For further assistance, technical support, or to access additional resources such as firmware updates, software tools, and detailed documentation, please visit the official Teltonika website:

<https://teltonika-gps.com/>

You may also find helpful information and community support through Teltonika's online forums or by contacting their customer service directly through the contact details provided on their website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question