

RECREATIONAL VEHICLES GPS TRACKING AND SAFETY

INTRO

In recent years, people have turned to nature after being deprived of freedom of movement in cities. This is reflected in the [sales](#) of motorised recreational vehicles globally. However, off-road offers a much more demanding terrain than perfectly paved concrete surfaces or tarmac. That said, Teltonika has developed an all-rounder waterproof GPS tracker for a wide range of recreational vehicles.

CHALLENGE

With diverse terrain options, poor roads or no roads at all, different vehicles are needed for recreational activities: SUVs, motocross and quad bikes, jet skis and even snowmobiles. An exact choice depends on the climate in the region, time of the year, level of income, local culture, traditions, etc.

Most recreational fleet owners offer a variety of vehicles, depending on the season. Usually, these activities take place on weekends for most people. They can be cancelled or postponed due to weather conditions or other reasons. Recreational vehicles are parked most of the time and used only once or twice a month. Most have small batteries, and the additional device can drain them quickly.

Moped and motorcycle rentals are especially popular among tourists, as an affordable way of getting around at close distances. However, these vehicles are exposed to challenging weather conditions, especially rain, showers or drizzle. For instance, monsoons in Asia and Latin America drop up to 75%-90% of annual rainfall. For this reason, to avoid potential tracking challenges, the GPS device on recreational vehicles must be waterproof.

Quad bike and motorcycle safaris are one of the most popular activities around the world, regardless of climate. They are liked worldwide because of their simplicity and off-road capabilities. However, they pose a risk if mishandled or driven by an inexperienced driver. As most quads and motorcycles are ridden on difficult terrain, including water, sand and mud, even small mistakes can cost dearly. It applies to any rental equipment, potentially causing not only harm to the driver but the owner of the fleet, requiring maintenance.

Recreational vehicles are not equipped with a closed cabin, safety belts, airbags or other safety equipment. In 2019 it was [estimated](#), that the number of deaths on motorcycles was nearly 29 times the number in cars. That said, these challenges need to be addressed and Teltonika Telematics is ready to offer an efficient solution.

SOLUTION



“IP67 CASING IS CAPABLE TO HANDLE ANY TERRAIN”

For the adventure tourism sector, Teltonika offers a brand-new waterproof GPS tracker model - [FMB965](#). Due to its compact size (L79 x W43 x H22 mm) and dented edges for better grip, the device can be fitted in most vehicles. A robust and waterproof IP67-rated casing can be used on jet skis and two-wheelers too. It has been designed with a 'Clip-On' system, instead of screws. This useful feature makes the device quicker to install and longer-lasting, as there are no metal parts that can be affected by rust or corrosion.

The new GPS device is based on the most popular Teltonika tracker - [FMB920](#). The key difference - a large capacity 1,200 mAh battery with a new [Power Off Sleep Mode](#). In this mode, the device consumes less than 1 mA of power and can operate for up to 30 days on a single charge, with data transmissions every 4 hours.

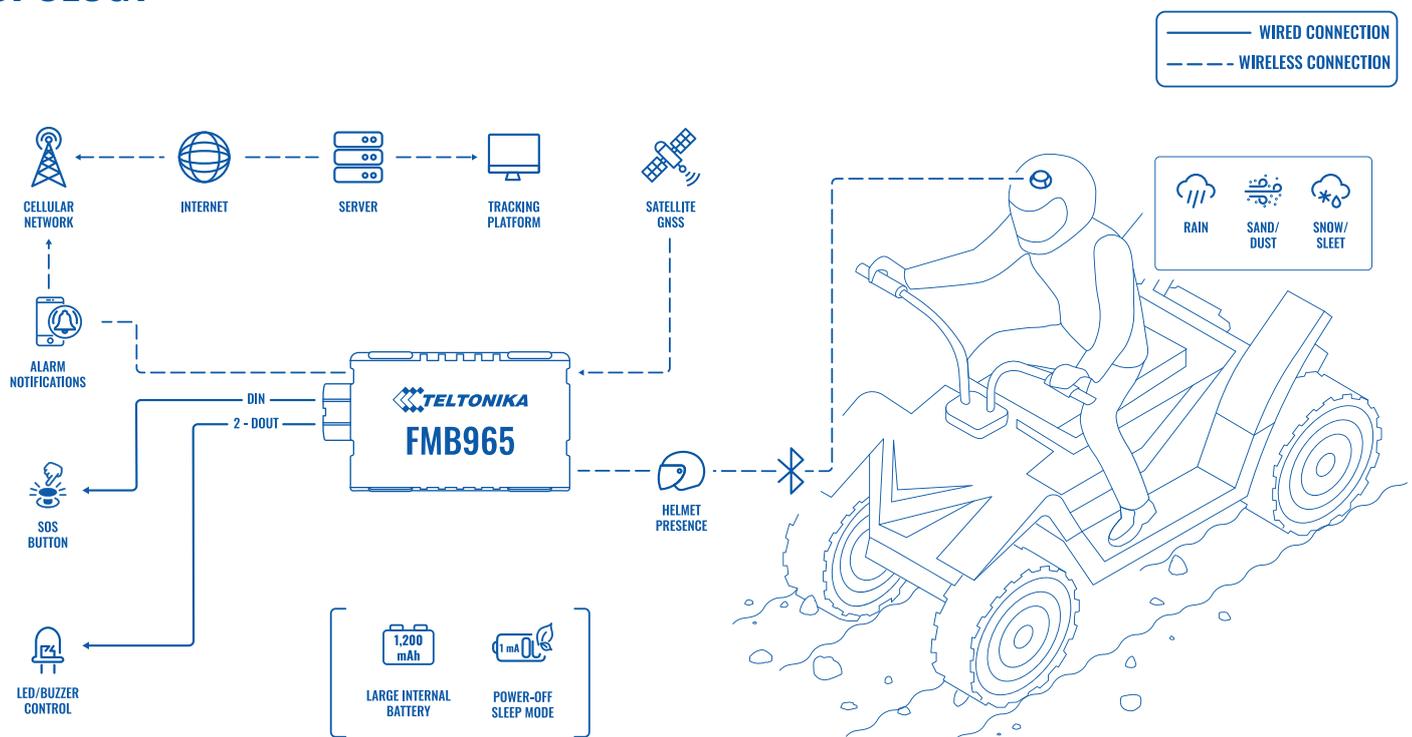
When the motorcycle, moped or quad bike (and therefore the mounted FMB965) moves, it switches from sleep mode to a normal state and immediately starts sending tracking data. This feature is pretty handy when recreational vehicles are parked most of the time - for instance, they are only used at weekends. In cases where the vehicle is used less frequently and is not charged from the alternator, we recommend installing the model in a way that disconnects it from a motorcycle or quad bike battery when the ignition is switched off.

To improve drivers' safety and reduce the risk of accidents, Teltonika has packed an FMB965 tracker with useful features. First of all, [EYE Beacon](#) can be fitted to a helmet and act as an immobilizer, to prevent even starting a vehicle without a helmet. 2 digital output (DOUT) connections can be programmed to notify a driver with a LED warning light and buzzer to put on a helmet, alert when overspeeding or crossing a predefined geofencing zone.

In the worst-case scenario, the vehicle can be fitted with a panic button. Upon pressing it, the GPS tracker will immediately contact the local emergency services with the exact location data. This is particularly useful if adventurers get lost and do not have a power supply for their navigation equipment.

Finally, thanks to the extensive and practical set of features, the new FMB965 is a preferred choice not only for motorcycle and quad bike fleets but also for snowmobiles, all sorts of modern all-terrain light utility vehicles, water transport such as luxury boats and jet skis, trailers, etc. The GPS tracker firmware updates and configuration changes can be made remotely using the [FOTA WEB](#) tool - a powerful software solution helping to manage all Teltonika vehicle GPS trackers with exemplary efficiency.

TOPOLOGY



BENEFITS

- **Waterproof and dustproof IP67-rated device casing** to ensure reliable tracking in harsh weather conditions and a wide range of climates.
- **A high-capacity internal battery and a unique sleep mode** are practical features for recreational vehicles parked for longer periods (up to 30 days).
- **Helmet wear detection option** to ensure riders' safety and reduce the risk of accidents.
- **2x DOUT for an extended number of use cases**, such as a panic button, LED notifications, buzzer or others.
- **More business opportunities** - the FMB965 prominent features allow it to be used in a wider range of markets and regions, resulting in more projects, revenue streams and competitive advantage.

WHY TELTONIKA?

Teltonika Telematics vehicle tracking solutions are used all over the world, with millions of devices already deployed. The waterproof and certified casing provides complete telematics functionality to recreational vehicles, where a robust casing is needed to cope with challenging and varied conditions. Easy and quick installation, a large capacity backup battery and a very low power consumption mode complement the safety features to create a versatile recreational vehicle GPS tracker for a wide range of use cases and usage scenarios.

FEATURED PRODUCT

FMB965

RECOMMENDED PRODUCTS

FMB202, FMB204, FMB209

RECOMMENDED ACCESSORIES

EYE BEACON

