

# 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 varied terrain, bad roads or no roads at all, a variety of vehicles are needed for recreational activities: SUVs, motocross and quad bikes, jet skis and even snowmobiles. The exact choice depends on the region's climate, time of year, income level, local culture, traditions, etc.

Most recreational fleet owners offer a variety of vehicles depending on the season. Typically, these activities take place at weekends for most people. They may 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 extra equipment can drain them quickly.

**Moped and motorcycle rentals** are particularly popular with tourists as an affordable way to get around. However, these vehicles are exposed to harsh weather conditions, especially rain, showers or drizzle. In Asia and Latin America, for example, the monsoon season brings up to 75-90% of the annual rainfall. Therefore, to avoid potential tracking problems, the GPS device on recreational vehicles needs to be waterproof.

**Quad and motorcycle safaris** are one of the most popular activities in the world, regardless of climate. They are popular worldwide for their simplicity and off-road capabilities. However, they can be dangerous if mishandled or ridden by an inexperienced rider. As most quads and motorcycles are ridden over difficult terrain, including water,

sand and mud, even small mistakes can be costly. This applies to all rental equipment, which can cause damage not only to the rider but also to the fleet owner, who will need to carry out 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

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.

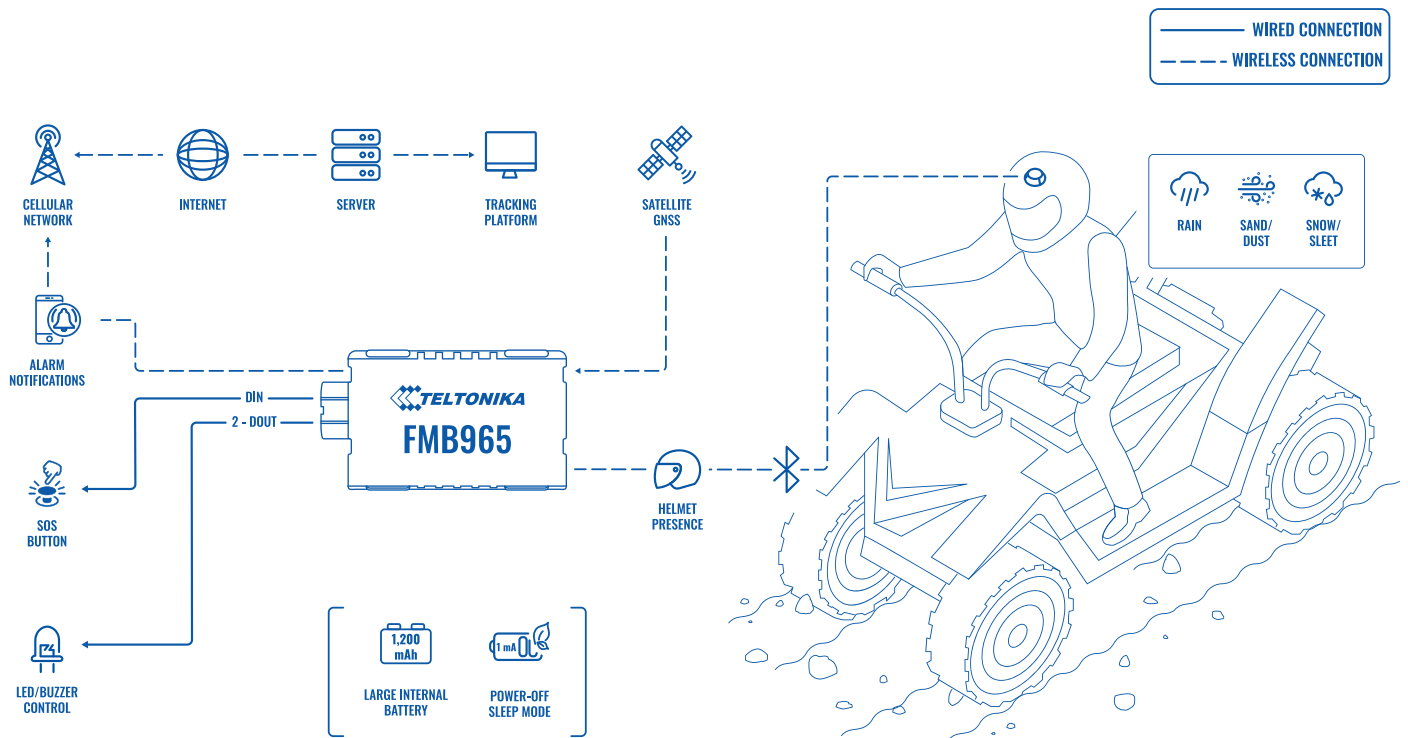
When the motorcycle, moped or quad bike (and therefore the mounted FMB965) moves, it switches from sleep mode to a normal state and immediately starts sending tracking data. This feature is pretty handy when recreational vehicles are parked most of the time - for instance, they are only used at weekends. 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, the [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 (DOU) connections can be programmed to notify a driver with an 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

- **Ultimate safety assurance** - our IP67-rated waterproof and dustproof casing ensures that GPS tracking remains reliable even in the harshest weather conditions. Never compromise on safety.
- **Extended battery life** - enjoy up to 30 days of uninterrupted use with our unique sleep mode. Ideal for RVs parked for long periods.
- **Helmet detection for driver safety** - our advanced helmet detection technology not only ensures driver safety but also minimises the risk of accidents, making it essential for responsible fleet management.
- **Multi-functional digital outputs** - from panic buttons to LED notifications and buzzers, our 2x DOUT offers a variety of use cases, enhancing both safety and user experience.
- **Diverse market applicability** - the versatility of the FMB965 opens doors to a wider range of markets and geographies, giving you a competitive edge and new revenue streams.
- **Remote emergency assistance** - with a built-in panic button, Teltonika GPS tracker can immediately alert local emergency services and provide accurate location data. A lifesaver when adventurers are lost or in distress.
- **Seamless firmware updates** - benefit from remote firmware updates and configuration changes using our FOTA WEB tool, ensuring Teltonika GPS trackers are always up to date and performing at their best.

## WHY TELTONIKA?

Teltonika Telematics is one of the recognised leaders in the IoT industry, with products and solutions in daily use in over 160 countries. Our commitment to quality and innovation is evident in our waterproof, certified tracking devices, which are also perfectly suitable for recreational vehicles.

Our products, accessories, and solutions are well-known and trusted worldwide for a reason. Not only are these trackers robust, but they are also designed with the varied terrains and conditions they may be exposed to in mind. With easy installation, an impressive backup battery, and a power-saving mode, Teltonika GPS devices is a promise of safety and reliability for a wide range of applications. So, why settle for less than the best?

## FEATURED PRODUCT

FMB965

## RELATED PRODUCTS

FMB202, FMB204, FMB209

## RELATED ACCESSORIES

Eye Beacon

