



# VG102

Motorcycle GNSS Tracker

The VG102 is a compact 2G tracking terminal that is best suited for use in the two-wheeled motorcycle mortgage business. It has a built-in GNSS module that supports GPS and BDS to determine the location of a motorcycle in real time and a built-in relay that allows the fleet manager or owner to remotely cut off the fuel supply to the motorcycle if an exception occurs. The VG102 also offers features such as historical trip playback and automatic power disconnection from the vehicle's power supply when the motorcycle's battery drops to a critical level. When an adapter cable compatible with your motorcycle is used, the VG102 can be a plug-and-track terminal without the hassle of wire cutting or other complicated steps.



### GPS/BDS/GLONASS Positioning

A synergy of multiple positioning systems ensures that locations are accurately displayed on the cloud platform.



### Remote Cut-Off (Fuel/Power)

Immobilize a vehicle by cutting off its power source/fuel supply via the PCB relay.



### Plug-and-Track Design (Optional)

An adapter cable with compatible interfaces to mate with these on the vehicle for effortless and damage-free installation. Refer to specifications for compatibility.



### Tip-Over Alert

Send instant notifications to the owner and fleet manager if the vehicle is tipped over to the side.



### Vehicle Battery Protection

Disconnect from the vehicle's power supply and operate on its internal battery when the device detects the vehicle battery drops to a critical level.



### IP66 Water & Dust Resistance

Rugged design ensures continued optimal performance, even in the toughest conditions.

#### Two-Wheeler Mortgage



#### Two-Wheeler Leasing



#### Motorcycle Dealers



## GNSS

Positioning system	GPS/BDS/GLONASS
Frequency	L1/B1
Positioning accuracy	< 2.5m CEP
Tracking sensitivity	-165dBm
Acquisition sensitivity	-148dBm
TTFF (open sky)	Avg. hot start ≤ 2sec
	Avg. cold start ≤ 38sec

## Cellular

Communication network	2G
Frequency	GSM 850/900/1800/1900MHz

## Power

Battery	270mAh/3.7V industrial-grade Li-Polymer battery
Standby current	≤ 5mA
Input voltage	9-30VDC

## Interface

LED indication	GNSS (Blue), Cellular (Green), Power (Red)
SIM	Nano-SIM
Data storage	32+32Mb

## Physical specification

Dimensions	92 x 28 x 14mm
Weight	40.7g

## Operating environment

Operating temperature	-20 C to +70 C
Operating humidity	5% to 95%, non-condensing
IP rating	IP66

## Feature

Sensors	Accelerometer
Scenarios	Tip-over alert, Vibrating alert, Speed alert, SOS call, Tamper alert, Geo-fence entry/exit alert, Vehicle battery protection, Remote immobilization, Power disconnection alert, Low internal battery alert
	Readily available plug-and-track adapter cables for Honda Beat 110cc, Honda Vario 150cc, Honda Scoopy, Honda PCX 160cc, Yamaha Mio 125cc, and Yamaha Fazzio 125cc
Accessory Support	Buzzer