**Jimi IoT**

# 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.



### Two-Wheeler Mortgage



### Two-Wheeler Leasing



### Motorcycle Dealers

**Plug-and-Track Design (Optional)**
Equip with an adapter cable with compatible interfaces to mate with these on the vehicle for effortless and damage-free installation. Refer to Optional Configuration* 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.

**Customizable Connector**
Allow businesses to customize the connector on the device cable to be compatible with specific vehicle makes and models.

**External Buzzer Support**
Warn the driver once the tracker detects any exception like speeding or give out audible warning to indicate a vehicle's whereabouts.

# Standard Configuration

## Positioning & Location

| | |
|---|---|
| **Technology** | GPS, BDS, AGPS, GLONASS |
| **Accuracy** | <2.5m CEP (open sky) |
| **Tracking sensitivity** | −165 dBm |
| **Acquisition sensitivity** | −148 dBm |
| **TTFF (open sky)** | Avg. hot start ≤ 2sec; Avg. cold start ≤ 38sec |

## Cellular

| | |
|---|---|
| **Technology** | 2G (GSM) |
| **Frequency** | GSM 850/900/1800/1900MHz |

## Power

| | |
|---|---|
| **Battery** | 270mAh/3.7V industrial-grade Li-Polymer battery |
| **Input voltage** | 9-30VDC |
| **Power consumption** | Standby: <5mA<br>Working: <50mA |

## Operating environment

| | |
|---|---|
| **Operating temperature** | −20℃ to +70℃ |
| **Operating humidity** | 5% to 95%, non-condensing |
| **IP rating** | IP66 |

## Physical specification

| | |
|---|---|
| **Dimensions** | 92.5 x 28.4 x 14.0mm |
| **Weight** | 40.7g |

## Interface

| | |
|---|---|
| **LED indication** | GNSS (Blue), Cellular (Green), Power (Red) |
| **SIM** | Nano-SIM |
| **Digital I/Os** | 1*ACC detection, 1*Buzzer |
| **Analog I/Os** | N/A |
| **Voltage detection** | 0–30V |
| **Memory capacity** | 1000 GPS data entries |
| **USB** | N/A |
| **No. of onboard relays** | 1 |
| **GNSS antenna** | Internal |
| **Bluetooth antenna** | N/A |
| **Serial ports** | 1*TTL（Optional） |

## Feature

| | |
|---|---|
| **Voice monitoring range** | N/A |
| **Sensors** | Accelerometer |
| **Ignition detection** | Support |
| **Firmware update** | Support |
| **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 |
| **Bluetooth** | N/A |
| **Configuration support** | SMS, Tracksolid Pro |
| **Certification** | CE |

# Optional Configuration*

| | |
|---|---|
| **Plug-and-track adapter cable** | Readily available for Honda Beat 110cc, Honda Vario 150cc, Honda Scoopy, Honda PCX 160cc, Yamaha Mio 125cc, and Yamaha Fazzio 125cc |
| **Buzzer** | |

*Optional Configuration required to be customized or purchased separately.