



Kingwo

**Specification**

**2020**

**MT100**  
**Smart GPS Tracker**

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[www.kingwoiot.com](http://www.kingwoiot.com)

# MT100 Technical Specification

## 1 Description



MT100 is a compact GPS Tracker for vehicles, it is small in size and with internal GPS/GSM antenna. It is designed for cars, vehicles, scooters and motorcycles, the device itself supports 9-90 volts, and it has one digital output for power off relay connecting and one digital input for ignition detect and Bluetooth function as well.

## 2 Highlights

- ◆ Support GPS, AGPS and LBS, super-fast and accurate positioning
- ◆ Supports GPS/LBS /AGPS positioning
- ◆ Support upload interval by time, distance and speed
- ◆ Built in high sensitive G-sensor accelerometer Real-time GPS tracking, History playback, Blind data storage, Cornering compensation
- ◆ Built in light sensor for removal alarm
- ◆ Driving behavior monitor (Speeding, harsh deceleration, harsh acceleration, cornering alarm)
- ◆ 9-90 Wide voltage
- ◆ Dual IP supported (Main server and backup server)



- ◆ IP block features
- ◆ Support Kingwo,GT800 protocol and JT808 protocol , and protocol switch by SMS or [Bluetooth setting](#)
- ◆ OTA for easier maintenance
- ◆ Bluetooth features for parameter setting and sensors connecting
- ◆ [Light sensor](#)
- ◆ [1000 data storage on each IP](#)

### 3 Function

- ◆ Real-time tracking monitoring, Real-time GPS tracking, History playback, Blind data storage, Cornering compensation
- ◆ Track according to time, distance and speed
- ◆ LBS and AGPS Positioning
- ◆ Driving behavior including hard declaration, acceleration, speeding, sharp turn, collision
- ◆ Low voltage and main power cut off alarm
- ◆ Towing alarm
- ◆ Flip over alarm
- ◆ Remote power and fuel cut off (Relay required)
- ◆ Mileage statistics
- ◆ [Bluetooth configurations](#)
- ◆ [Removal alarm](#)

### 4 Specification

Physical	Dimension	75*40*13mm
	Weight	45±3g
Cellular &GPS	Module	Simcom SIM868E
	GSM	Quad-band 850/900/1800/1900MHz GPRS multi-slot class 12/10 GPRS mobile station class B Compliant to GSM phase 2/2+ –Class 4 (2 W @ 850/900MHz) –Class 1 (1 W @ 1800/1900MHz) GPRS class 12: max. 85.6 kbps (downlink/uplink) PBCCH support Coding schemes CS 1, 2, 3, 4 PPP-stack USSD



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	GPS	<p>Receiver type</p> <ul style="list-style-type: none"> <li>-33 tracking /99 acquisition</li> <li>-channel Sensitivity</li> <li>-Tracking: -167 dBm</li> <li>-Reacquisition: -161 dBm</li> <li>-Cold starts : -149 dBm</li> <li>Time-To-First-Fix –</li> <li>-Cold starts: 28s (typ.)</li> <li>-Hot starts: &lt;1s</li> <li>Warm starts: 22s</li> <li>Accuracy</li> <li>-Horizontal position : &lt;2.5M CEP</li> </ul>
Bluetooth	Bluetooth 3.0	
Power	Input voltage	9-90V
	Battery	NI-MH AAA 3.6V/60mA,1.5hours working time based on 2-3 minutes upload
	Power consumption	Average Current: <30mA (DC 12V) Maximum current: <10mA (DC 12V)
Interface	Digital input 1	Ignition detect
	Digital output 1	Relay
	GSM antenna	Internal High Gain
	GPS antenna	Internal High Gain
	SIM	Microsim
	Indicator	2 status LEDs, Green: GPS, Red: GSM
	Memory	1000 pcs
Environmental Parameter	Working Temperature	-20°C ~ +70°C
	Humidity	5% ~ 95% (no fog)
	Ingress Protection Rating	IP65