

Product Model: Hornet-01

Hardware version: V1.0

Software Version: V1.0

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**Document Revision History**

Version	Revision Date	Version Description
V1.0	2023/10/19	New Document

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## 1. Basic product introduction

### 1.1 Product Introduction

Hornet-01 is an intelligent terminal meticulously designed for vehicle management and monitoring. It integrates 4G wireless communication technology with GPS/BDS satellite optimized positioning technology. The terminal features a built-in antenna design and smart power-saving wake-up functionality. It includes features such as work time detection, ACC detection, vibration detection, and high output control. Paired with a global positioning service platform, it enables real-time vehicle data acquisition, tracking and positioning, vehicle locking, and remote fuel/power cut-off functionality.

### 1.2 Product images



### 1.3 Application Scenario

Application Scenarios:

Rental vehicles  
Credit vehicles  
Passenger vehicles  
Taxis  
Freight vehicles  
Electric vehicles  
Vehicle tracking and monitoring  
Agricultural machinery monitoring  
Construction machinery  
Insurance industry  
Corporate fleet management  
Automobile manufacturers/4S stores  
Vehicle management and real-time location monitoring

### 1.4 Harness Definition

Pin number	Color	Pin Name
1	red	Positive electrode
2	black	Positive electrode
3	blue	First level car lock control
4	orange	Working hours detection
5	purple	Power-on status detection



## 1.5 Product size



## 1.6 Product Usage Introduction

### Indicator Light Description

Yellow indicator light:

Light status	Meaning
Flash	Communication initialization
Always on	Communication is normal

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Not bright	Sleep/Shutdown
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Red indicator light:

Light status	Meaning
Always on	Power supply is OK
Not bright	Sleep/Shutdown

Blue indicator light:

Light status	Meaning
Flash	Positioning initialization
Always on	Positioning normal
Not bright	Sleep/Shutdown

## 2. Features

- Working time statistics, car search and car lock functions
- 1500mAh large capacity battery, supports deep sleep function
- The shell is made of PA66 composite material, which has good reliability
- IP65 waterproof design
- Comes with magnet, easy to install

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### 3. Product parameters

Supply voltage	DC:9-95V
Working current	<50mA
Standby current	<10mA
Analog Input	none
Switch input	High: 9-70V, Low: 0V
Built-in battery capacity	1500 mAh
Cold start time	Average 23 seconds
Hot start time	Average 1 second
Host size (length, width and height)	103mm*54.5mm*23.7mm
Shell material	PA66 Composites
Waterproof grade	IP65
SIM card	Standard SIM card
Positioning accuracy	< 5m
Timing accuracy	1s

#### Physical properties

Temperature	Operating temperature	- 20°C - 75°C
	Storage temperature	- 30°C - 80°C