



User Requirement & Specifications

Vehicle Tracking User Manual (HAT-Website)

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1. REVISION HISTORY

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Sachin Yadav	9 th February 10	First Draft	1.0



2. Content

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3. Preface



Thank you for purchasing our products. This deliberately edited manual is to introduce the tracker with the complete technical data and the instructions showing how to operate the device smoothly and correctly. Make sure to read this manual carefully before using this product. Most problems could be solved through the explanations and the troubleshooting tips. Once you finish reading it, keep it handy for necessary reference. Please note that specification and information are subject to changes without prior notice in this manual. Any change will be integrated in the latest release. The manufacturer assumes no responsibility for any errors or omissions in this document.



4. Attention

- Make sure to read this manual carefully before using this product.
- Please insert the SIM card before installing, and make sure the SIM card has no password, otherwise the tracker will not work normally.
- Please make sure that all the cables of the tracker has been connected rightly, and then connect the tracker to host power. Must not install or take down the tracker when it is power on. If you found any troubles or omissions about the connections of cables, please cut off power first, otherwise you will easily damage the tracker.
- The tracker works in wireless communications, so please cut off the host power before your vehicles entering fuel depot and dangerous material place.
- The tracker's work voltage is 10V-36V. Please use the tracker in the scope of work voltage.
- The host of GPS tracker is a low-power wireless transmitter and receiver. It receives and sends radio frequency signal when it is working.
- To avoid electromagnetic interference or uncompatible configuration, please stop using your tracker in the noticed place.



5. Hardware Description

Host Tracker: - HVT-111



Start up

Put the SIM card in place and installed the tracker in the car, the red indicator is on. In 10 or 40 seconds, the unit will begin to work and acquire the GSM signals as well as the GPS signals, and the red indicator will keep flashing every 2 seconds when the GPS module is in standby mode. When the blue indicator is keep shine, the unit has been located.

Main functions

- **Positioning and Tracking:** Through the on-line Positioning Platform or the cell phone to locates at times, and get the working status. You can choose the Positioning Platform by yourself.
- **Triggering Emergency Alarm:** When there is a emergency happened on the vehicle, you can put on the button and the installed unit will send out alarm to the authorized numbers.



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- Remote controlling oil and circuit: you can control the oil and circuit via the unit by SMS in anywhere and anytime.
 - Remote Monitoring: In anywhere and anytime, call the phone number in the unit, when it connects, you can monitor the sound around 5 meter.
 - Movement Alert: Send SMS to the unit to start the movement alert function. When the vehicle is moving, the unit will send the movement alert to all authorized numbers.
 - Overspeed Alert: Send SMS to the unit to start the movement alert function. When the vehicle is overspeed, the unit will send the overspeed alert to all authorized numbers.
 - Geo-fence: Set up a geo-fence for the unit to restrict its movements within a district. The unit will send the message to all authorized numbers when it breaches the district.
 - Auto Track: You can set up auto track by SMS or on-line positioning platform.
 - Mileage statistics; ACC checking; cutting off power and alarm.



	<p>GSM/GPRS ANTENNA</p>
	<p>GPS ANTENNA</p>
	<p>PRESS BUTTON TO TAKE OUT SIM CARD</p>
	<p>WIRE</p>



	<p style="text-align: center;">SIM CARD</p>
	<p style="text-align: center;">MICROPHONE</p>

6. Setup

Overspeed alert

Set up: Send SMS `speed+password+space+080` to the unit (support the speed is 80km/h). For example, send SMS `speed123456 080`. "speed" as instructions, "80" as limit speed, "123456" as password. Cancel: Send SMS `nospeed+password` to deactivate the overspeed alert.



Device positioning

Send SMS **position** to the unit, then the unit will send SMS with real-time longitude and latitude to the cellphone.

Movement alert

Set up: The user can send SMS **Move+password** to the unit, then the unit will reply **move ok!** .In case of such a movement, it will send SMS **Move** along with a Geo-info to the authorized numbers. For example, send SMS **Move123456** to the unit. "Move" as instructions, "123456"as password. Cancel: Send SMS **nomove+password** to deactivate the movement alert.

Control Circuit

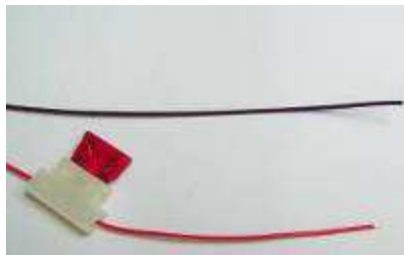
Send SMS **stopelec+password** to control circuit.For example send SMS: **stopelec123456"stop oil"** as instructions, "123456" as the password. To supply the circuit again, send SMS **supplyelec+password** to the unit. For example, send SMS **Supplyelec123456** to the tracker. "Supply" as instruction, "123456" as password. If there is no authorized number, all number



7. HVT-111 Installation

HVT-111 tracker should be installed by technical professional of local service centre. Without permission, the user can't repair and move the tracker randomly. If users do, any unfortunated damage should be compensated by him. Installation steps (caution: the following installation should under no power, otherwise will be dangerous)

1. Power supply line: The red wire connects 12V''+□; Blank wire connects to 12V''-□



2. Wire for cutting off circuit of the tracker

White wire connects relay feet 86; 85 feet to 12 V DC anode, 87 feet and 30 feet are in series power supply circuits. Caution: Wrong connection of yellow wire will damage the tracker.





3. Emergency triggering alarm

The blue wire connects the anode of the alarm button, and the black wire connects the cathode of the alarm button.



8. Application

- Global positioning
- Real-time monitoring
- Vehicle locating
- Timing tracking
- Cutting off power and circuit by remote control
- Vehicle rental / Fleet management etc



9. Specification

Content	Spec
Dim	86*60*25 (mm)
Weight	144g
Band	900/1800/1900Mhz
GPS chip	SIRF3 chip
GPS sensitivity	160dBm
GPS accuracy	5 m
Working Voltage	DC 9V - 30V



10. Guarantee Item

- 2 months upon date of purchase, if there is function problem, we should offer the same item subject to goods and packing maintain perfect.
- 1year upon date of purchase, we will guarantee to keep the goods in repair.(not including fittings)
- Guarantee service is subject to normally using.
- All of damage by man-made (tear open the housing, tear off the sticker, unnormally using will not guarantee.