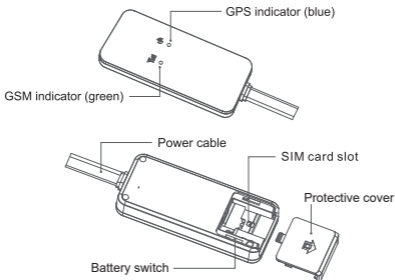


GT06S

2G Mini
GPS Vehicle Terminal
Quick Start Manual
V1.1

Product overview



Position tracking

GPS, BDS and LBS positioning

Real-time location query

Tracking by time/distance/ cornering/ignition

Anti-theft

Remote cut-off (standard)

Tamper alert (G-sensor)

Vibration alert

Geo-fence

External power cut-off alert

Monitoring

ACC detection (ignition status)

Driver behavior analysis

(Harsh acceleration/ harsh braking/ harsh cornering)

Low external power alert

Low internal power alert

Over-speed alert

Drifting alert

Listen-in

Over-the-air (OTA)

Standard list

Item	Quantity
Standard package	1
GT06S device	1
Power cable	1
Relay (12/24V)	1
Microphone	1

Specification

GSM Band	850/900/1800/1900 MHz
GNSS Type	GPS, BDS, LBS
Antenna	Built-in GPS ceramic antenna; GSM quad-band antenna
LED indicator	GPS (blue), GSM (green)
Battery	60mAh/3.7V Li-Polymer battery
Working voltage	9-90V DC
Standby current	<5mA
Operating temperature	-20°C to +70°C
Weight	29g
Dimension	71.9*30.2*12.9mm

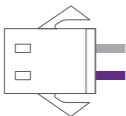
Interface

4-Pin Connector (Standard):



V+	Red	To the positive end (9–90V)
V-	Black	To the negative end
ACC	Orange	For ACC detection
RELAY	Yellow	For cutting fuel/power supply

2-Pin Connector (Microphone):



MIC+	Gray	To the microphone
MIC-	Purple	To the microphone

LED indications

GNSS Status (Blue)

Blinking	GNSS synchronizing
Solid on	Positioned
Off	GNSS module is in sleep mode or is not active

GSM Status (Green)

Quick blinking (0.3s on, 0.3s off)	Module initializing
Slow blinking (0.3s on, 2s off)	Normal signal receiving
Solid on	GSM call/ GPRS is active
Off	No signal received or no SIM card detected

Power Status (Blue & Green)

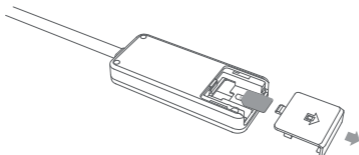
Blue and Green indicator solid on for 3s	External power supply connected
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Insert SIM card and power on

1. Choose Micro SIM card with access to GPRS and SMS.



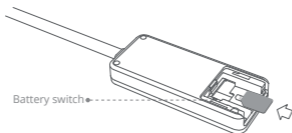
2. Make sure the power switch is OFF (Before installing or removing the SIM card, you must switch off the device).



Open the cover by pushing it by the arrow. Make sure the switch is OFF.

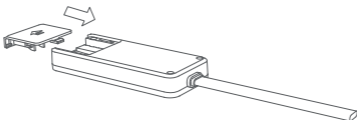
3. Insert SIM card into the card slot.

4. Toggle the battery switch to ON.



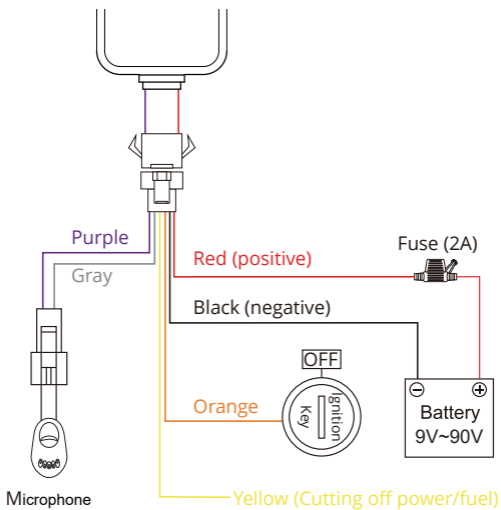
After the SIM card is inserted in place, slide the battery switch to ON.

5. Mount the cover back in place.



Attach the cover back by the arrow until it clicks.

Wiring indication



SMS configuration

Track on mobile phone

Send the SMS command [URL#](#) to the device.

The device will reply with an SMS containing a map link. Tap on the link to view the location directly on Google Maps on your phone.

If device replies 'Positioning, please wait for a moment' or 'Positioning fail', it means the device is not in GPS covered area.

Monitor by tracking platform

APN & Server setting

To ensure normal network operation, please confirm your APN and server setting before login. In most countries, APN could be automatically adapted to local mobile operators. If not, please send SMS to set the APN.

If user name and password are required for APN, please add it into the command.

[APN,apnname#](#)

E.g.APN,internet#

[APN,apnname,user,pwd#](#)

E.g.APN,internet,CLENTE,AMENA#

Confirm the server address and setting with distributors. If server is incorrect, please send SMS to change.

[SERVER,mode,domain name/IP,port,0#](#)

E.g: SERVER,1, www.ydpat.com, 8011,0#

SERVER,0,211.154.135.113,8011,0#

mode=1 means set with domain name

mode=0 means set with IP address

Please login the designated service platform and enjoy your monitoring experience.



iOS



Android

GPS upload interval setting

By time interval (Set to ON by default)

TIMER,T1,T2#

T1: Upload interval when ACC ON

T2: Upload interval when ACC OFF

Range: 0 / 5~18000 (seconds); 0 means no upload

Default valid setting: TIMER,10,10#

Query current TIMER setting: TIMER#

By distance interval (Set to OFF by default)

DISTANCE,D#

D = 0 / 50~10000 (meters)

Note: When enabled, the TIMER setting becomes invalid.

Remote power/fuel cut-off

Add SOS number

SMS command to the device to add the SOS number.

SOS,A,No.1,No.2,No.3#

"A" means to add new numbers, for example:

SOS,A,18116552975,18116552976,18116552977#

It will reply:

"OK! SOS1: 18116552975 SOS2: 18116552976 SOS3:18116552977"

after set successfully.

If your vehicle is being stolen, you can send a remote immobilization command via the designated platform, app, or SMS.

Notice:

1. Make sure ACC is correctly connected.
2. When ACC is OFF, command will be executed immediately.
3. When ACC is ON but GPS is not fixed, the execution will delay.
4. When ACC is ON and GPS is fixed, command will be executed when vehicle speed is less than 20km/h.

To cut-off/restore the fuel by SMS command, you have to authorize a center number.

Set the center number: **CENTER,A,mobile number#**

Delete the center number: **CENTER,D#**

Notice:

Only the preset SOS number can set/delete the center number.

Only one center number can be set.

To cut-off fuel/power connection: **RELAY,A#**

A=0/1 (0=restore fuel; 1=cut-off fuel) Default value: 0

E.g. RELAY,1#

Listen-in

Enable monitoring

Send the following SMS command to the device to make it dial the preset SOS number

JT#

Set listening permission

MONPERMIT,A#

A=0/1/2/3 (0=Disable monitoring; 1=Only the center number can monitor;

2=Only SOS number(s) and center number can monitor; 3=Any number can monitor); Default value: 2

Query current MONPERMIT setting

MONPERMIT#

Delay to enable monitoring

DELAY,A#

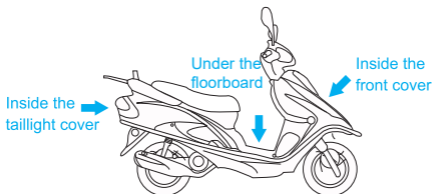
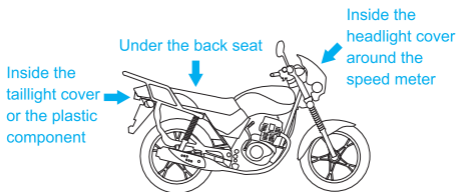
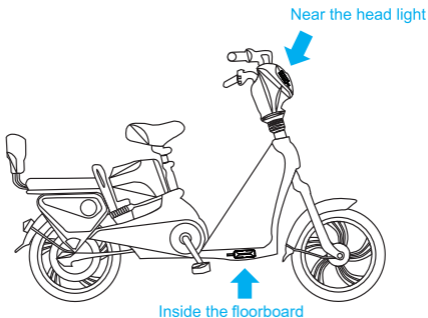
A=5~18 seconds; Default value: 10

Common SMS setting command

Command	Description	Remark
STATUS#	Check device's status	
VERSION#	Check firmware version	
GPRSSET#	Check device network setting	
DEFENSE,A#	Delay defense setup	A=1~60 (mins); Default: 10
DEFENSE#	Check current defense setting	
SENALM,S,M#	Enabled vibration alarm	S=1 means ON; S=0 means OFF M=0/1/2/3, way of alarming, 0: GPRS only, 1: SMS+GPRS, 2: GPRS+SMS+Call, 3: GPRS+Call
SENALM,OFF#	Disabled vibration alarm	
SENALM#	Check the alarm setting	
RESET#	Reboot	Device will reboot in 20s

Installation recommendation

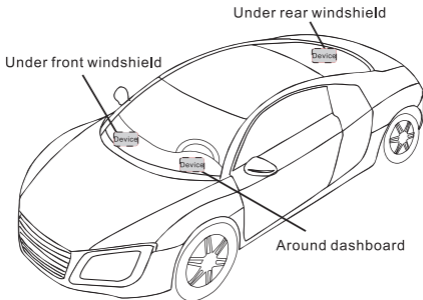
Please install the device under the guidance of professional personnel.



Note:

The device should face up to the sky.

Metal thermal barrier or heating layer of the windshield affects the signal. Please change installation places to receive better signal.



Troubleshooting

Type	Use
Unable to connect to tracking platform	Check the APN and IP settings. Check whether the data service of SIM card is enabled. Check the balance of SIM card.
Tracker shows offline	Check whether external power is still connected. Check if the vehicle entered network blind area. Check the balance of SIM card.
Unable to locate	Make sure the top side facing upward without metallic things shielded. Make sure it's not in area with no satellite coverage.
Location drift	In areas with poor GNSS signals (such as near tall buildings or underground), location drift may occur. Check whether vibration happens, which may activate the accelerometer and cause false location data reporting.
No command reply	Make sure command format is correct. Vehicle may be in network blind area. Make sure SIM card is well inserted and have SMS service.

Warranty instructions

1. The warranty is valid only when the warranty card is properly completed, and upon presentation of the proof of purchase consisting of original invoice indicating the date of purchase, model and serial No. of the product. We reserve the right to refuse warranty if this information has been removed or changed after the original purchase of the product from the dealer.
2. Our obligations are limited to repair of the defect or replacement the defective part or at its discretion replacement of the product itself.
3. Warranty repairs must be carried out by our Authorized Service Centre. Warranty cover will be void, even if a repair has been attempted by any unauthorized service centre.
4. Repair or replacement under the terms of this warranty does not provide right to extension or renewal of the warranty period.
5. The warranty is not applicable to cases other than defects in material, design and workmanship.

Maintenance Record

Date		Serviced by	
Product Model			
IMEI Number			
Fault Descriptions			
Comments			