

To ensure quickly and correctly use, please read this manual carefully before using. Any changes to the product appearance, color or accessories are without notice.

To operate its features, this device needs a SIM card, enabled for VOICE and GPRS traffic.

## 1. Product Features

### 1.1 Main Functions

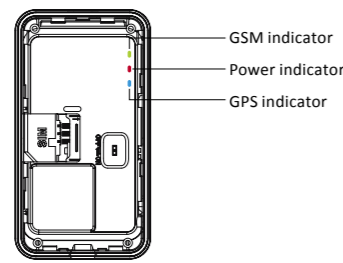
- Real-time tracking
- Geo-fence
- Power off alert
- Movement alert
- Intelligent power saving
- Vibration alert
- Remotely control electricity/petrol
- Low battery alert

## 1.2 Specifications

Frequency	GSM 850/900/1800/1900MHz
GPRS	Class 12, TCP/IP
Operating Voltage	7-18VDC
Location Time	Cold start: <35s Hot start: <2s
Location accuracy	<10 meters
Operating temperature	-20°C— +70°C
Dimension	80(L) x 43(W) x 13(H) mm
Weight	48.5g

## 2. Appearance

### 2.1 Appearance



## 2.2 LED indicators

GPS LED Indicator - Blue		
●-●	Blinking	Searching GPS signal
●-○-●	Blinking slowly	GPS positioned
○	OFF	GPS sleep or off

GSM LED Indicator - Green		
●-●	Blinking	GSM initializing
●-○-●	Blinking slowly	GSM working/GPRS Online
●	Solid green	Calling on the line
○	OFF	No GPS signal or SIM signal

Power LED Indicator - Red		
●-●	Blinking	Low battery
●-○-●	Blinking slowly	Full charged/Working
●	Solid red	Charging process
○	OFF	Low battery/Internal error

●-●-●-●-●	Blink in a loop	Device is arming status
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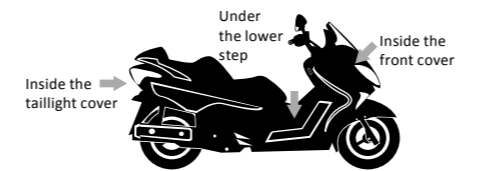
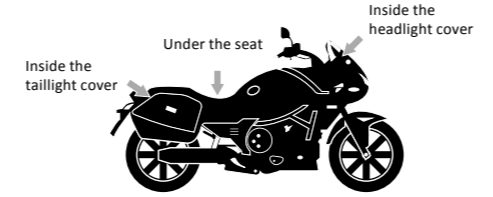
## 3. Wiring & Installation Instructions

### 3.1 Installation

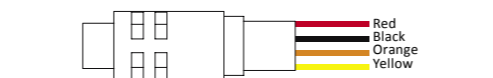
Assistance from professional services is recommended. Ignition key connection is mandatory, this signal activate and deactivate the arming of device. When ignition key is on, device is not armed and some alarms are disabled. When ignition key is off, after a timeout, all alarms are active.

Notes:

- Stay away from water
- Use double-side tape and cable tie to fix
- Place side with Interphone logo UP.



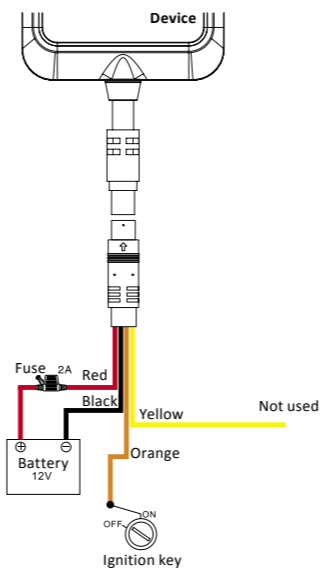
### 3.2 Wiring Definition



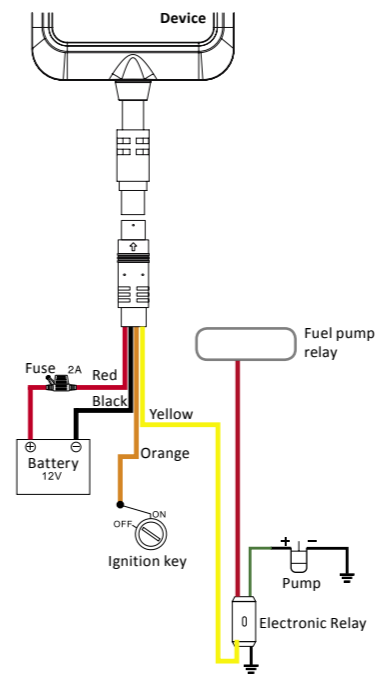
No.	Definition	Color	Illustration
1	V+	Red	Positive pole (9-18V)
2	V-	Black	Negative pole
3	ACC	Orange	Ignition key signal
4	Relay	Yellow	Power cutoff (relay needed)

## 3.3 Wiring

### 1. Standard connection

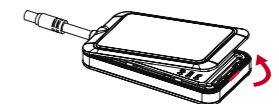


### 2. Fuel pump remote control connection



## 4. Switch ON/OFF

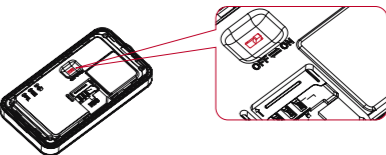
### 4.1 Remove the surface cover



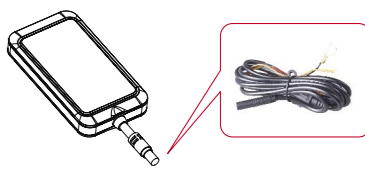
### 4.2 Insert the SIM card



### 4.3 Toggle the battery switch to ON



### 4.4 Place the cover back and connect to external power that will supply power for the battery.



## 5. Function

### 5.1 Power cut-off alert

When the power supply is disconnected, it will activate cut-off alarm and alert will be sent to preset SOS number.

## 5.2 Low battery alarm

When battery is in low level, the device will activate low battery alarm.

## 5.3 Vibration alert

When vehicle is moved or fall down, the vibration alarm will be triggered. The device will send vibration alarm message immediately.

Notice: Ignition key line should be connected correctly; otherwise, false alarm may arise.

Default ON. Turn ON/OFF by SMS or APP. For vehicle towing or transportation, turn off this alarm.

## 5.4 Geo-fence alert

In APP, you can geo-fences in specific area. When the device enters or exits specific areas, it will send alarm to APP.

## 5.5 Movement alert

Device will send movement alarm when vehicle moves out the pre-set distance (when Ignition key is off and GPS is fixed).

Notice: SMS alert is available only if SOS number is set. Default OFF. Turn ON/OFF by APP

## 5.6 Petrol/Electricity cutoff

Petrol/Electricity cutoff is to disconnect the fuel pump power supply or starting motor to stop the vehicle. This function requires installation of the provided relay. User can send command by APP to cut off or restore power.

## 5.7 Battery Protection

When the motorcycle's battery voltage decreases to a certain value, the battery protection function will be activated. Device will transfer to power saving mode after low battery alert is sent. In power saving mode, the device is offline, GPS is off and vibration alert still works.

Notice: This function requires correct connection with the Ignition key wire (Ignition key wire can't be connected to constant electric); otherwise, device can't wake up in battery protection status.

## 6.1 Download APP

Please download and install the APP GPSANGEL, APP store or Google Play store.



Create your account and associate your device with the APP.

## 6.2 SMS command

Set the SOS number (it's the vehicle owner phone number) to use SMS command and receive SMS alerts. SMS command can be sent only from SOS registered number. This operation can be done via APP.

## 7. Trouble shooting

If you are having trouble with your device, try these troubleshooting procedures before contacting our customer care.

Problems	Causes	Solutions
Poor signal	The signal waves unable to transmit when use the GPS tracker in the places that have poor signal reception, such as: tall building around or basement.	Using the GPS tracker in the places that have good signal condition.
Unable to boot	Low battery	Charge the device battery
Unable to connect to the network	SIM card inserted incorrectly	Check SIM card
	Dirty things exist above the SIM card	Clean SIM card
	Invalid SIM card	Contact network supplier
	Not in GSM service area	Move to service area
Unable to Charge	Poor signal	Move to area with strong signal
	Poor contact	Check power cable
Fail to locate	SIM has no access to GPRS	Contact network supplier to get GPRS service
	Always reply "Address inquiry failed"	Contact supplier

## 8.SMS Command List

Type SMS command indicated in the right column of following table to the device SIM number to achieve respective function as below:

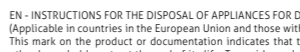
1	Device status	STATUS#
2	Device coordinate	WHERE#
3	Location URL	URL#
4	Check version	VERSION#
5	Network setting	GPRSET#
6	APN setting	1. APN, [apnname]# E.g: APN,internet# 2. APN, [apnname],[user],[pwd]# E.g: APN,internet,CLIENTE,AMENA#
7	Server setting	SERVER,mode,domain/IP,port,0# E.g. SERVER,1,www.ydpat.com,8011,0# SERVER,0,211.154.135.113,8011,0# mode1 means set with domain name mode 0 means set with ip addr
8	SOS setting	1. Add SOS number: SOS,A,number 1,number 2,number 3# 2.Delete subjected sequence of SOS number: SOS,D,number sequence 1, number sequence 2, number sequence 3# E.g. SOS,D,1,2,3# 3. Delete the SOS number: SOS,D,phone number# 4. Query SOS number:SOS#
9	GPS data upload time interval	TIMER,T1,T2# T1=5~18000 seconds;ACC ON upload interval;default value:10 T2=5~18000 seconds;ACC OFF upload interval;default value:10 (when GPS is not sleep)
10	GPS data upload distance interval	DISTANCE,D# D=0, 50~10000 meter; Distance interval; default value: 300, unit: meter;

11	Delayed defense setting	DEFENSE,A# A:1~60 minutes, set delayed defense, default value: 5 minutes
12	Vibration alarm (default OFF)	1. SENALM,ON# 2. SENALM,OFF#
13	Displacement alarm setting (default OFF)	1. MOVING,ON,R,M# R=100~1000; Displacement radius, unit: meter M=0-2; Alert way 0:GPRS-1:SMS+GPRS; 2: GPRS+SMS+CALL E.g. MOVING,ON,200,2# 2. MOVING,OFF#
14	Set center number	Set center number : CENTER,A,mobile number# Delete center number: CENTER,D#
15	Power/oil control (center number is used for fuel cut off command)	RELAY,A# A=0/1 0= restore petrol; 1=cut off petrol Default value: 0 E.g. RELAY,1#
16	Restart	RESET# Device restart 20 seconds after receiving this command



EN - Cellularline S.p.A. declares that this device complies with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following address: www.cellularline.com/\_declaration-of-conformity

Cellularline S.p.A. also declares that this device complies with the RoHS Directive 2011/65/EU.



EN - INSTRUCTIONS FOR THE DISPOSAL OF APPLIANCES FOR DOMESTIC USERS (Applicable in countries in the European Union and those with separate waste collection systems) This mark on the product or documentation indicates that this product must not be disposed of with other household waste at the end of its life. To avoid any damage to health or the environment due to improper disposal of waste, the user must separate this product from other types of waste and recycle it in a responsible manner to promote the sustainable re-use of the material resources. Domestic users should contact the dealer where they purchased the product or the local government office for all the information regarding separate waste collection and recycling for this type of product. Corporate users should contact the supplier and verify the terms and conditions in the purchase contract. This product must not be mixed with other commercial waste. This product has a battery than cannot be replaced by the user. Do not attempt to open the device to remove the battery as this could cause malfunctions and seriously damage the product. When disposing of the product, please contact the local waste disposal authority to remove the battery. The battery inside the device was designed to be able to be used during the entire life cycle of the product

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User Guide

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