

GPS Vehicle tracker (LDW-TKV318)

(GPS+GSM+SMS/GPRS)

User Manual

(Version 1.4)



Please read this manual carefully before attempting installation and online activation.
Pictures are for indication and illustration purposes only.

Attention

1. Make sure to read this manual carefully before using this product.
2. Please insert the SIM card before installing, and make sure the SIM card has no password, otherwise the tracker will not work normally.

3. 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.
4. The tracker works in wireless communications, so please cut off the host power before your vehicles entering fuel depot and dangerous material place.
5. The tracker's work voltage is 10V-36V. Please use the tracker in the scope of work voltage.
6. The host of GPS tracker is a low-power wireless transmitter and receiver. It receives and sends radio frequency signal when it is working.
7. To avoid electromagnetic interference or incompatible configuration, please stop using your tracker in the noticed place.

Preface

LDW-TKV318 represents the perfect combination of GSM, GPRS and GPS technologies. It's a good tool to protect your car from thief. With fleet management platform, it can help the car rent company, logistical company, tax company etc. to improve the management efficiency a lot.

As a professional security and positioning company, we will provide you with more and better products and services. Before use, please spend several minutes reading this user's manual in order to understand operation details and obtain better services.

1. Appearance



2. Application

1. Global positioning
2. Real-time monitoring
3. Vehicle locating
4. Timing tracking
5. Cutting off power and circuit by remote control
6. Vehicle rental / Fleet management etc

3. Main functions

1. 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.
2. 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.
3. Remote controlling oil and circuit: you can control the oil and circuit via the unit by SMS in anywhere and anytime.
4. Remote Monitoring: In anywhere and anytime, call the phone number in the unit, when it connects, you can monitor the sound around 5 meter.
5. 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..

- 6. Over-speed Alert:** Send SMS to the unit to start the movement alert function. When the vehicle is over-speed, the unit will send the over-speed alert to all authorized numbers.
- 7. 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.
- 8. Restart the unit:** send SMS to resume the default of unit.
- 9. Auto Track:** You can set up auto track by SMS or on-line positioning platform.
- 10. Mileage statistics; ACC checking; cutting off power and alarm.**
- 11. Compatible with the original anti-theft alarm:** It will send SMS alarm after the original anti-theft alarm warning.
- 12. Support bidirectional talk.** You can talk with other person by this tracker.
- 13. Support GPS data record.** In no network signal, tracker record GPS data. After come from signal, tracker sends record data to server.
- 14. Support LED advertisement screen.** Platform center can send advertisement message to car with this tracker and LED advertisement screen.
- 15. Support information LCD.** Platform center can send information to tracker's information LCD.

4. Specifications

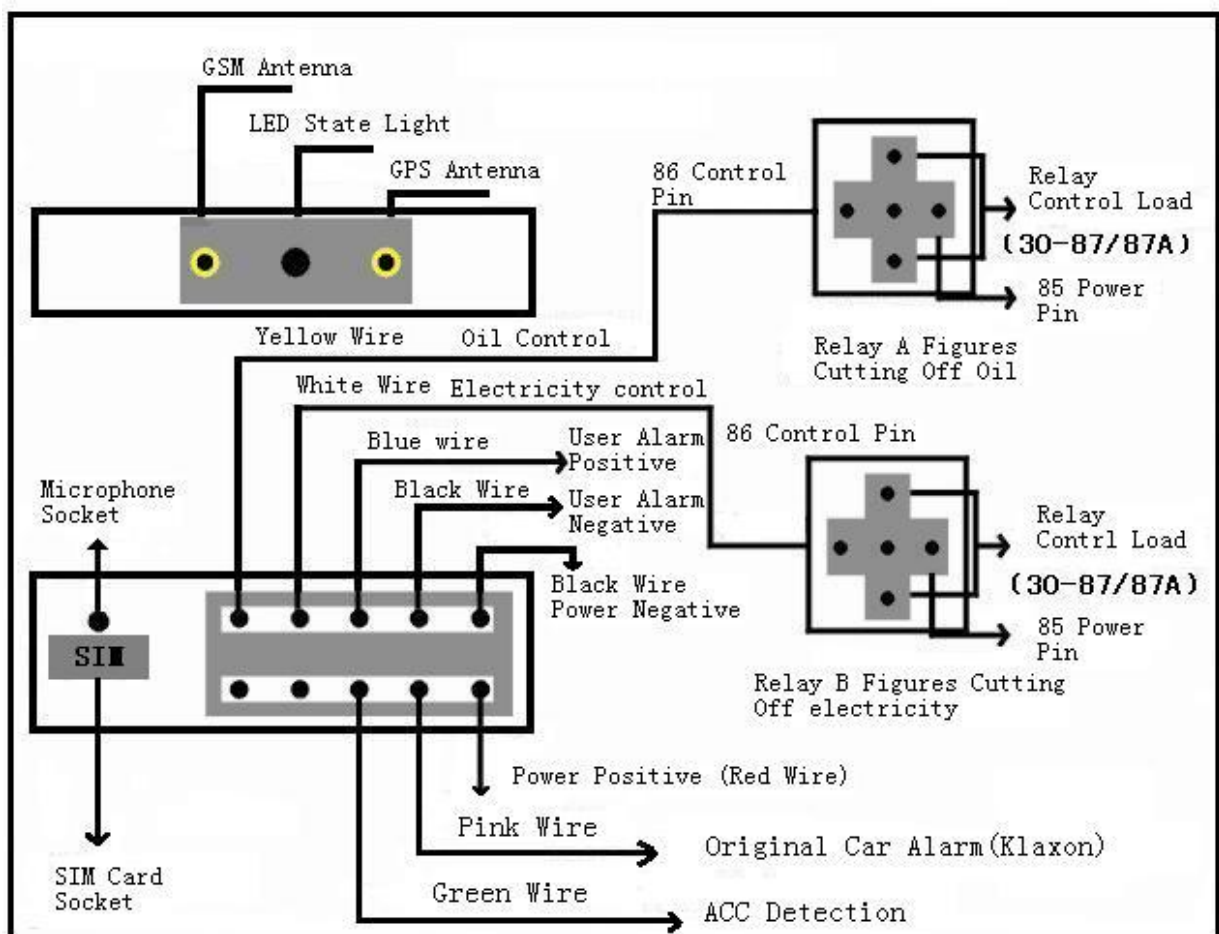
Content	Specs.
Dim.	113 * 91* 31 (mm)
Weight	210g
Network	GSM/GPRS
Band	900MHz/1800MHz/1900MHz /850MHz
GPS chip	SIRFIII chip
GPS sensitivity	-159dBm
GPS accuracy	5 m
Time To First Fix	Reacquisition 0.1s Cold status 45s Warm status 35s Hot status 1s
Work Voltage	DC 9V—40V
Battery	Chargeable changeable 3.7V / 0.9Ah Li-ion battery
Standby work	< 30mA

current	
Storage Temp.	-40°C to +85°C
Operation Temp.	-20°C to +70°C
Humidity	5%--95% non-condensing

5. Start up

Put the SIM card in place and installed the tracker in the car, the red indicator is on. About 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 GSM module is no communication. When the blue indicator is light, the unit has been located.

6. Installation diagram of The Tracker



GPS Vehicle Tracker Installation Diagram

TKV318 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 unfortunate damage should be compensated by himself.

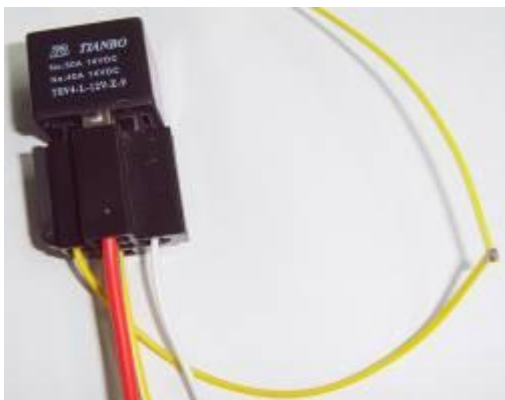
Installation steps (caution: the following installation should under no power, otherwise will be dangerous)

1. Power supply line: The red wire connects 12V“+”; Black wire connects to 12V“-”



2. Wire for cutting off oil of the tracker

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



3. Wire for cutting off circuit of the tracker

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



4. Emergency triggering alarm

The blue wire connects the positive of the alarm button, and the black wire

connects the negative of the alarm button.



SMS command format

Note: All the setup below can be only made by Center number.

Super User Setup

Set the new center number and new password by SMS through mobile phone. If the setup is successful, the module will send a reply with 'Config OK the Main User and Password Is Reset To 13689645010 (center no.): 123456 (new password)'.

Format: #CJML# SN code # new password (6 digits) # Center number#

Please find the SN code in this way:

You can send #888# to the device sim card number; it will send you back with the device IMEI.

Sn code is "0" + the last 11 numbers of the IMEI, total 12 numbers.

Example: #CJML#886600000633#000000#13689645010#

Note: Center number must be a mobile phone number, telephone number will not work.

Center Number Setup

Set the center number by SMS through mobile phone. If the setup is successful, the sender will receive "CONFIG OK The main user is: 13286689393" from the tracker

Format: #710# former password # new password (6 digits) #center number#

For example: #710#000000#000000#13689645010#

Note: All alarming information thereafter including SOS, low power, electronic fence etc. will be sent to this number. 000000 is the default password.

APN (Access Point Name) Setup

Set APN by SMS through mobile phone. If the setup is successful, the sender will receive "CONFIG OK" from the tracker

Format: #802#GSM provider name #APN # Log user name # Log password #

The default APN is CMNET, if the APN doesn't have login user name and password, it can be set 0.

Example 1: #802#Chinamobile#CMNET#0#0#

APN is CMNET, no login user name, no login password

Example 2: #802#CHINAMOBILE#CCDLLEN#QIUXIA.21#RX0000#

APN is CCDLEN; the login user name is QIUXIA.21 and login password is RX0000.

Note: The default APN of this product is CMNET.

Server connection Setup

Format: #803# domain name or IP address # port number#

This command is used to set GPRS center server address, which could be fixed IP number. After the setup is successful, the module will send a reply with 'config ok, the ip server is 59.188.20.67:8545'.

Example: #803#59.188.20.67#8545#

Setup via domain name:

Example: #803#www.gps288.com#8545#

Regular Upload Interval Setup

The defaulted factory upload time interval of this device is 10 seconds for getting the point and uploading one point location information. The user could change such parameter according to actual demand.

Format: #730# sampling interval #

The value of sampling interval from 10 seconds to 3600 seconds

For example: #730#30#

Note: The parameter "30" indicates getting and uploading one point location information every 30s.

Cut oil supply by SMS

Format: #DY# password # state #

The value of state is "0" and "1","1" is cut off oil, "0" is restore oil

Example: #DY#000000#1#

For safety, this command will be function when the speed less than 5KM/h

After sending command successfully, the tracker will return a message "config OK" and cut oil supply of the vehicle.

Monitor mode

There are three modes for monitor.

- 1) All Monitor Modes: Send SMS "AllMonitor" to the unit, the unit will return to this mode. In this mode, any number can monitor this unit.
- 2) Restrict Monitor Mode: Send SMS "RestrictMonitor" to the unit, the unit will return to this mode. In this mode, authorized number can monitor this unit.
- 3) Close Monitor Mode: Send SMS "CloseMonitor" to the unit, the unit will return to this mode. In this mode, all number can't monitor this unit.

Over-speed Alarm Setup

Format: #CSBJ# speed limit (km/h) # state #

The value of state is "0" and "1","1" means "open over-speed alarm", "0" means "close over-speed alarm".

Example: #CSBJ#80#0#

After sending command successfully, the tracker will return a message "config OK The Warning Speed Is: 80 Off".

Time Zone Setup

Format: #896# E or W # time zone #

The value of state is "E" and "W", "E" means "eastern time zone", "W" means "western time zone".

Example: #896#E#8#

After sending command successfully, the tracker will return a message "config OK Set Current time zone as: E8".

Note: The default time zone is GMT+8. So you need recover it to GMT 0 first with command "#896#w#8#". Then you can set your time zone accordingly.

After sending command successfully, the tracker will return a message "config OK".

Pre-stored numbers Setup

Format: #711#password#phone number1# phone number2# phone number3# phone number4#

For example: You want to set four stored numbers

#711# 000000#13567892314#13892341600#13625678900#13625678901#

The new numbers will replace the old numbers, and it will send confirmation to the sender if the password is right....CONFIG OK.

SOS button (Emergency call button)

In case of emergency, please press SOS button over 3 seconds, center number will receive a call and SMS.

Note: SMS will be sent only when the device is online on the tracking system.

Remote Restart

Format: #90382#password#

Example: #90382#000000#

After sending command successfully, the tracker will return a message "Config OK The Machine Will Restart!"

Restore factory settings

Format: #HFSZ#

Example: #HFSZ#

After sending command successfully, the tracker will return a message "Config OK Device Has Been Reset To Factory Setting"

SMS & Platform Tracking

SMS location inquiry

There is no need for Center number to add the password to inquiry. Other numbers need to add the password to inquiry.

Longitude & latitude tracking

Format: #888#password#

For example you send #888#000000# to the tracker, you will get a reply SMS with link.

<http://map.google.com/?q=22.677327N,114.120738E> SPEED: 000.0

Date: 12-05-28

Time: 15:52:04

IMEI: 353509000924608

Visit the link by your phone or computer; you will know the name of the location in detail.

When there is no GPS signal, you will get a reply SMS as follow:

MCCMNC: 460010 LAC: d1e3 CELLID: 2535

Tracking on platform

Please visit www.gps288.com for online real-time tracking and fleet management.

Step one: Log on our service website www.gps288.com

Step two; click the terminal name, the map will automatically indicate terminal's location.

Remark: If you already have the user name, you could login our service website directly. If not, please contact your distributor for opening user account.

For more details, please refer to our tracking system user manual.

Notes

1. This non-waterproof equipment, please be sure to have waterproof bag.
2. This equipment has to work with GSM network.
3. Please ensure that there are enough expenses in SIM card in order to avoid the inconvenience of using.
4. This equipment cannot work in the power failure state and outside the service areas, even if the registered users.
5. This equipment supports GPS and GSM/GPRS double positioning, regarding as the same with the GPS positioning results.
6. Please use this equipment in the legal areas. The consequences of any violation of the law will be undertaken by the users themselves.