



PREFACE

Thank you for purchasing the GPS Magnet. This manual shows how to operate the device: read this manual carefully before using the device. Please note that specification and information contained in this manual are subject to change without prior notice. Any change will be integrated into the latest release. The manufacturer does not accept liability for any errors or omissions that may be contained in this document.

SUMMARY

The GPS Magnet combines the latest GPS position and GSM GPRS (mobile communication network) technologies.

The tracker can be operated either by a phone call, by SMS text message, or via the internet (web application, Android and iOS App).

This product can be directly inserted into USB porting your computer, or directly inserted into another USB port; tablet, car, powerbank etc. The tracker can also be used during charging.



1. USB port
2. Indicator light
3. SIM card slot
4. Lanyard hole
5. Strong Magnet

LED INDICATOR STATUS	EXPLANATION
GREEN-Not lit	Device fault or dormant
GREEN-Continuously lit	No Mobile Network (GPRS) signal
GREEN-Flashing	Mobile Network (GPRS) communication established
Center-RED-Not lit	Device is fully charged
Center-RED-lit	Continuously Device is charging
BLUE-Not lit	No power to the unit or the unit cannot start
BLUE-Continuously lit	Searching for GPS signal
BLUE-Flashing	Successfully receiving a strong GPS signal

2. SIM INSTALLATION

3. COMMANDS

INSTRUCTION	COMMAND	REPLY
Reboot the device	begin123456	begin ok
Change the password **	Password123456 newpassword	Password ok
Authorize a number. Only this number will be allowed to configure and query the tracker	Admin123456 phonenummer	admin ok
Remove authorized number	noadmin123456	noadmin ok
Set SOS number	Sos123456 phonenummer	sos number ok
Cancel SOS number	nosos123456	nosos number ok
Obtain current position ***	G123456#	Google link
Set time zone (in relation to GMT)	Timezone123456 1 timezone123456 -1	time ok
Standby setup. Sets the number of minutes after which the tracker will go into standby mode. Default is 5 minutes	Sleep123456 time	sleep time ok
Wake up on movement ****	Sleep123456 shock	Sleep shock ok
Turn off Standby mode	Sleep123456 off	sleep off ok
Exit/End Data mode	Nogprs123456	Nogprs ok
Set Data mode – the device will use data communication to send position information to our servers- *****	gprs123456	gprs ok
Set monitor mode	monitor123456	monitor ok
Set tracking mode	tracker123456	tracker ok
Format the device *****	format	
Over-speed alarm setting	speed123456 070	speed ok

** The default password is 123456. If you change it, please replace 123456 in the commands above with the new password.

*** Always check the location received has been freshly calculated (GPS signal should be V:A). If the signal

status is V:V, it could be that the device has entered Standby Mode. Call the number attached to the device to wake it out of Standby.

**** Sends the device into Standby Mode until movement is detected by the motion sensors, at which point, the device activates and resumes normal functioning.

***** To use Data Mode, the device needs to be setup to use the internet. This is discussed in Section 5 below.

***** This command can only be sent from an authorized number

4. OPERATING THE TRACKER BY SMS TEXT MESSAGE

Call the mobile number attached to the tracker and hang-up after it rings once. The tracker will respond by sending you an SMS as described in Section 3.1 below. Click on the link to open google maps and see the location of the tracker.

4.1 EXPLANATION OF PARAMETERS/CODES IN SMS MESSAGE



```
lat:22.63930
lon:114.17172
speed:000
T:14/12/11 05:23
bat:60%
8737000001
http://maps.google.com/m
aps?
q=22.63930%2c114.1717
2
```

Picture 1



```
Now:
Lac:253B DD56
T:14/11/10 06:08
bat:100%
Last-lat:22.63955
lon:114.17111
T:03:52
http://maps.google.com/m
aps?
q=22.63955%2c114.17111
```

Picture 2

Picture 1: As areal-timepositioning information of satellitesignalrecovery

- * **lat:22.63930 lon:114.17172:** The real-time GPS position
- * **Speed: 000** This indicates the latest known speed of the unit in KM/H.
- * **T:14/12/11 05:23** Timestamp of the time and date when the GPS position was calculated.
- * **Bat: 60%** The approximate level of the battery. A value between 10% and 100%, with 100% being fully charged.
- * **8737000001:** The IMEI (International Mobile Station Equipment Identity) number of this device.
- * **Google Maps link:** This is the link to the Google map showing the position of the tracker unit. Clicking on the text will open Google maps to show the position of the unit.

Picture 2: Historical positioning information, without satellitesignal (GPS)recovery but with GPRS (LBS)

- * **Now: lac:253B DD56:** The real-time LBS position
- * **T:14/11/10 06:08:** Timestamp of the time and date when the LBS position was calculated.
- * **Bat: 100%** The approximate level of the battery. A value between 10% and 100%, with 100% being fully charged.
- * **Last: lat: 22.63955 lon: 114.17111:** the last GPS position
- * **T:03:52** The time the last GPS position was calculated
- * **Google Maps link:** The last GPS position

5. OPERATING THE TRACKER ONLINE.

COMMAND INSTRUCTION TO SET THE ACCES POINT NAME (APN)

INSTRUCTION	COMMAND	REPLY
Set new APN (any existing will be replaced)	Apn123456 apncontent	apn ok
Set APN username	Apnuser123456 content	apnuser ok
Set APN password	Apnpasswd123456 content	apnpasswd ok
Set data upload interval (default:120 seconds)	Upload123456 30	Upload ok

! The APN must be setup for the device to be able to upload data over the internet.

Also, after setting the APN, the tracker must be set to Data mode. Ask your mobile provider for the correct APN settings. This can also be generally found in the FAQ online.

5.1 Using the internet

Platform : <http://2.tkstargps.net/>

IMEI: Printed on the back of the device

Password: 123456

5.2 Using the App for ANDROID/iOS

Search TKSTAR in the Apple App Store/Google Play Store to install the applications on your device.

Select "Log in by IMEI"

Server: 2.tkstargps.net

IMEI: Printed on the back of the device

Password: 123456

*** The default password is 123456. If you change it, please replace 123456 in the commands above with the new password.*