

# USER MANUAL

GPSTRACKWIRELESS





## **GENERAL INFORMATION**

The GPSTRACKWIRELESS is a battery-operated GPS/AGPS dual positioning tracker that is designed to transmit its location at intervals of your choice. It also contains LBS (Land Based System) to give approximate location based on mobile phone cell sites if, for some reason there is no satellite GPS reception. LBS will show which cell tower area the tracker is within – not an actual accurate location.

It contains a high capacity battery and the mobile APP displays the current battery condition. The battery is re-chargeable – use the charger supplied. The tracker also contains strong magnets to assist in attaching the tracker to the desired vehicle, equipment or asset.

The tracker allows free access to a 3rd party mobile APP and online PC website. The APP is a powerful tool and is used for tracker location, historical travel as well as issuing commands that control how the tracker operates. Location data is stored on the website for a continuing 3months period. More detailed travel history and reporting functions can be found on the website.

Please read this manual to familiarize yourself with its features and how it works.

### **How does GPS tracking works?**

The tracker uses fixed orbit GPS satellites to find its location on the earth. The tracker therefore needs to be able to 'see' the sky in order to receive satellite information.

The tracker requires its own mobile SIM card so it can send GPS locations to the website and the mobile APP. It also allows for text and voice communications.

Locations are automatically uploaded to the website using inexpensive mobile data. The website saves the location data for up to 3months.

The mobile APP is used to display the information stored on the website. The APP and the website are also used to control and change tracker settings. The tracker, APP and website work seamlessly together with virtually no delay in operation.

#### ***The trackers 3G SIM card must have the ability for voice, text and data.***

The only ongoing cost is for the SIM card usage payable to the SIM provider. Due to the nature of this product, a PrePay SIM card is sometimes more than sufficient, but ensure 'auto top-up' is selected when registering the SIM phone number with the service provider.



## **GETTING STARTED**

1. Fully charge the battery until the red charging LED goes out before using – see below.
2. Insert the SIM card and turn on outdoors. (on/off switch is next to SIM slot) LEDs flash when GSM and GPS signals are located.
3. Pair your mobile phone to the tracker and set the time zone.
4. Set the desired upload frequency of location & start reporting.
5. Download the mobile APP and logon to see your tracker.

## **BATTERY & CHARGER**

We recommend to fully charge the battery for 12 to 18 hours. Subsequent charging should take approximately 5~8 hours. Charge until the red charging LED goes out. Use the charger supplied.

The charging lead has a USB connector to the supplied wall charger.

NOTE: Do not use the USB lead connected to other equipment such as a computer to charge - charging time will be considerably extended. The battery is 20,000mAh Li-ion and allows for up to 6 months on standby. Battery life is shorter when being used and is dependent on the settings chosen. Example: If used to track a vehicle every 30 seconds when moving, battery life is approximately 4 weeks.

## **SIM card Installation**



Lift the rubber cover



Insert the SIM card & turn on



Close the dust cover

The LEDs light solid whilst searching for both GSM and GPS signals. After approximately, 20~40 seconds the LEDs should start to flash. Reminder, the tracker must be outdoors or very close to a window/door to receive GPS signals. Once signals are acquired, it can be initialized as detailed on the following pages.



## **PLACEMENT & SECURITY OF THE TRACKER**

The tracker has built-in magnets to assist with attaching the tracker to a vehicle, equipment or asset. Ideally, it should not be placed under metal which can block GPS satellite reception. We strongly recommend experimentation in different placements before deciding on a long-term location.

In some situations, the built-in magnets may not be strong enough, or suitable, to keep it attached. Locations such as on a trailer chassis and then driving over speed bumps or potholes the shock of which could cause the tracker to become detached. Placement must also take into consideration the rubber cover over the on/off switch and SIM card slot. This should not be easily accessible to anyone wishing to disable or turn the tracker off.

**Other means of securing the tracker from becoming detached or tampered with must be sought.**

## **TAMPER ALARM (SOS)**

The tracker has a built-in optical tamper detector on its base. If the tracker is removed or falls off, it will trigger an alert. The switch is spring loaded and the tracker must be secured to a flat surface for the switch to be depressed. The magnets allow attachment to most suitable flat metal surfaces.

When setting up the tracker or testing its features you can cover the optical tamper with say black tape to prevent unwanted alerts





Just send these 4 text commands from your mobile phone to the trackers phone number

### 1. Pair your mobile phone to the tracker.

The tracker needs to know your mobile phone number so it can communicate with you.

Send this text message from your phone to the trackers SIM number;

**admin123456 04XXXXXXXX**

↑  
space here

123456 is default password - 04XXXXXXXX is your mobile number.

Reply: admin okay

### 2. Set the time zone

Send this text message **timezone123456 10** (10hours ahead of GMT).

Reply: Time ok

↑  
space here

### 3. Set upload frequency

Send this text message **upload123456 30** (upload location to website every 30 sec's).

Reply: Upload ok

↑  
space here

### 4. START GPRS DATA LOCATION REPORTING

Send this text message gprs123456

Reply: GPRS ok

## THE APN NUMBER

The APN (Access Point Name) is the address of the SIM card provider's data connection. Some SIM cards, such as those in Australia automatically adds the APN to this GPS tracker which means you don't have to do anything.

Open and login into the mobile APP and if there is a message at the top of the screen 'not enabled', this means that the website has not received any data from the tracker. One reason may be the APN needs to be set. Contact your SIM card provider for the correct APN.



Here are some Australian examples;

Telstra	<b>telstra.internet or telstra.wap</b>
Optus	<b>connect or yesinternet or connectme</b>
Vodafone AUS	<b>live.vodafone.com</b>
Aldi	<b>mdata.net.au</b>

To set the APN, send this text message: **apn123456 xxxxxxxxxxxx**

Reply: apn ok

**\*Note xxxxxxxxxxxx is your SIM cards APN**

### **DOWNLOAD THE MOBILE APP**

Open Google Play Store or Apple App Store and search for **LKGPS** and download the Android or IOS APP. Or scan the QR Code to download.



For IOS



For Android



The mobile APP gives you full control of the trackers features as well as showing real time location and historical travel. The APP can only be used on Apple or Android smartphones and tablets.

Not compatible with Windows Smart Phones.



## APP LOGIN

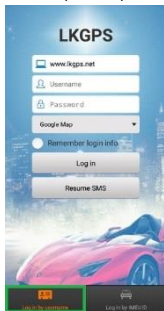
For single user please select “**Log in by IMEI/ID**” in the bottom right corner of the screen. Then input the **IMEI number of your device** and the default password “**123456**”.



Please look for a sticker under the USB SIM cover of your device for your IMEI number.



For multiple user please select “**Log in by Username**” in the bottom right corner of the screen.



**Note:**

For Multiple user please email us at [sales@elinz.com.au](mailto:sales@elinz.com.au), contact us at 1300 881 773 or chat with us so we can create username and default password for you.



## START TRACKING

Icon	Description
Real-time	Shows current or last reported location.
Historical	Shows where the tracker has been.
Geo-fence	set permitted areas of travel
Issue	Let you control how the tracker works
Device info	Details of phone numbers and other tracker information
Device messages	A record of alerts sent to your phone
Alarm	Alerts do you want to receive
Change Password	Change the password on the app
Logout	Logout



## FORGOT APP PASSWORD?

Please email us at [sales@elinz.com.au](mailto:sales@elinz.com.au), contact us at 1300 881 773 or chat with us so we can reset the password for you.





## ONLINE TRACKING WEBSITE

Visit [www.lgps.net](http://www.lgps.net) and log onto to the website as you would for the mobile APP.

The website stores all the location data. Travel is more detailed with engine start times, stop times etc. Reports can be saved and printed. If you have more than one tracker, contact us to request a username account and your own password that allows you to monitor and tracker all devices.



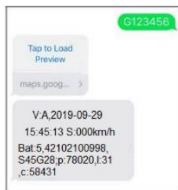
## TEXT (SMS) LOCATION REQUEST

If not using the APP, send this text from any smart mobile phone to the trackers mobile number:

**123**

You will receive a text reply . Tap the blue link 'to view' portion of the text message and the mobile phones own maps open to show the location.

**If you require a status update as well as the link, send tis text: G123456**



- **Google link:** tap the link, it opens the phones map to show location.
- **v:A** = GPS signal ok. **v:V** = no GPS signal
- **2019-09-29 15:45:13:** the last reported date and time of GPS information.
- **Spd:000km/h:** the speed of tracker.
- **Bat:5** state of battery back-up charge
- **ID:4102100998:** Unique IMEI code of device
- **S45G28 ; p:78020** GSM operator data
- **Lac:31, cellid:58431** LBS data



LED INDICATOR	MEANING
Green LED	Mobile GPRS signal state
Unlit	Off or asleep
Lit solid	Searching
Flashing once every 3 sec's	Working
Blue LED	GPS signal state
Unlit	Off or asleep
Lit solid	Searching
Flashing once every 3 sec's	Working
Red LED	Battery
Lit solid	Charging
Off	Fully charged or not connected to charger

## **DEVICE INFO**

**IMPORTANT:** If not completed, some functions will not operate.

On APP, select 'device info' and complete all the details.

## **FREQUENCY OF LOCATION REPORTING**

To maximize the battery life to the expected 240 days, the tracker should be set to report its location at reasonable time intervals. The more often it reports, the battery life will incrementally decrease. The tracker only reports when moving.

When stationary for more than 10 minutes, it enters sleep mode – turns off GPS reception and stops reporting locations to preserve battery life. Mobile reception (GSM) is still on.

There are two ways to set the upload frequency;

1. Send this text message **upload123456 30** (upload every 30 seconds when moving)
2. Use the APP: 'Issue command' – 'Send via GPRS' – 'Common' – Select 'Upload frequency'



## **SLEEP MODE–AWAKE BY SHOCK**

When the tracker detects no movement for at least 10 minutes, it will enter sleep mode. GPS reception and location data upload are turned off to provide maximum battery life. Mobile reception is still on.

The tracker will wake up either by detecting movement from its built-in shock sensor or by receiving a text message.

**NOTE:** If the shock sensor doesn't receive sufficient movement, it may not immediately wake up

You can turn on sleep mode by APP command or this text message: **sleep123456shock5**

Note: Sensitivity is between 1 & 9 –1 being most sensitive.

You can cancel sleep mode by APP command or this text message: **nosleep123456**

## **TIME-ZONE**

GPS time is based on GMT (Greenwich Mean Time). To get accurate reporting times, a text command to the tracker must be sent to set the correct time zone& daylight saving.

**timezone123456 01** –when no daylight saving (Europe example)

**timezone123456 02** –with daylight saving (Europe example)

**NOTE:** The tracker does not automatically update time –it must be done manually.

## **PHOTO ELECTRIC SWITCH**

The GPSTRACKWIRELESS has a photo electric tamper.

It can also be used to send the 'SOS' alert by using it as a light sensitive trigger.

For example, in a dark enclosed area, (say in a race car trailer) leave the tracker on its side so the photo cell is not covered. If someone opens the door to let light in, the tracker will send the SOS alert - a silent alarm!



## GEO-FENCE



A geo-fence is an invisible boundary around a fixed location. This boundary can have a minimum radius of 100m to a maximum of 5000m. Geo-fences can be added and deleted. If the tracker moves out of or into a geo-fenced area, it will send a text alert to the authorized numbers confirming it is either 'IN' or 'OUT' of the geo-fenced area.

NOTE: In normal use this can become an unnecessary text, costly and will shorten battery life. Only use the feature when required. To stop it sending texts, either delete the geo-fence or turn off in 'alarm settings' on the mobile APP.

## SHOCK ALERT –ON/OFF

When the tracker is stationary and it receives a heavy shock, it will send the text alert.

You can activate shock alert by APP command or text message: **shock123456**

You can cancel shock alert by APP command or text message: **noshock123456**

## MOVE ALERT

Once the tracker has remained stationary for more than 3~10 minutes, you can set a move alert.

**move123456**

reply: **move ok**

If the tracker moves more than 500m (default), it will send a text alert to the paired mobile phones.

Move alert can also be set from the APP and move distance can be adjusted. To cancel this mode, send

**nomove123456**

reply: **nomove ok**



### SPEED ALERT

You can set a speed limit for the tracker and receive a text alert if this speed is exceeded every 5 minutes

send: **speed123456 100**

reply: **speed ok**

To cancel this alert, send **nospeed123456**

reply: **nospeed ok**

Do not set speeds lower than 60km/h as GPS will be inaccurate at low speeds.

### LOW BATTERY ALERT

When battery voltage is too low, it will send a text alert 'bat:1' every 30 minutes. Battery condition is shown on the mobile APP.

### MONITOR / TRACK MODE

Track mode is for GPS tracking. Monitor mode is for listening in to the built-in microphone. The mode has to be selected to use it.

**To monitor** Send: **monitor123456**

reply: **monitor ok**

Quality and volume depend on tracker location and surrounding noise. Make a phone call to the tracker to listen in. When in monitor mode, GPS tracking is off. Switch back to tracker mode when finished

**To Track** Send: **tracker123456**

reply: **tracker ok**

Note; to use monitor mode, the trackers GSM SIM card must have voice capability. Voice capability may be unavailable from SIM card suppliers depending on the services they provide.

### GLOBAL RE-SET

The tracker can be re-set to factory settings which erases any settings you may have set.

From the paired phone,

send: **begin123456**

reply: **begin ok**

or

send: **format**

Noreply



**CAUTION:**

- This product contains a Li-ion battery which has harmful chemicals.
- Don't dismantle, drop, bump, puncture or treat it violently.
- Do not get wet.
- Never incinerate.
- Never submerge.
- Do not leave the battery discharged as this will prevent its recharge ability.

This GPS tracking device uses the 3G GSM mobile network for sending data and texts. We are not responsible or liable if the mobile network becomes unavailable for any reason.

The purchase of this product provides access to a mobile APP and website. These are operated by a 3rd party and We has no control over the design or operation. We accept no liability or responsibility if the APP or website become unavailable or access terms change.



## TEXT COMMAND CHART

Instruction	Text to send to trackers SIM #	Reply
Cell phone pairing (master user #1)	<b>admin123456 xxxxxxxxxx</b> <i>(xxxxxxx = your mobile phone number)</i>	admin ok
Cancel pairing	<b>noadmin123456 xxxxxxxxxx</b>	noadmin ok
SOS – Tamper alert	<b>sos123456 xxxxxxxxxx</b> mobile no' <b>sossms123456</b> Text alert <b>soscall123456</b> Call alert To cancel, insert 'no' in front of text eg: nososcall123456	ok
Set time zone	<b>timezone123456 02</b>	time ok
Set upload frequency	<b>upload123456 30</b>	upload ok
Start sending data	<b>gprs123456</b>	gprs ok
Set sleep mode on Turn off sleep mode	<b>sleep123456 shock4</b> <b>nosleep123456</b>	sleep ok nosleep ok
Move alert	<b>move123456</b> <b>nomove123456</b>	mbve ok nomove ok
Speeding alert	<b>speed123456 100</b> <b>nospeed123456</b>	speed ok nospeed ok
Shock alert	<b>shock123456</b> <b>noshock123456</b>	shock ok noshock ok
Request location	<b>g123456</b>	
Set mobile APN	<b>apn123456 xxxxxxxx</b> <i>(xxxxxxx = APN name)</i>	APN ok
Change password	<b>pwd123456,XXXXXX</b> <i>Must be 6 digits</i>	OK ! New password: XXXXXX Keep safe !
Check setting	<b>Param1</b> or <b>Param2</b>	Shows settings
Language	<b>LAG1</b> (English)	Switched to English
Reset	<b>format</b> or <b>begin123456</b>	Re-sets all settings to default