



GPS Textracker Instructions

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12 Volt or 24 Volt Battery Operation

The Textracker comes as a standard 12 Volt battery operated system. For vehicles, Lorries, buses, plant & equipment, etc that operates from a 24 volt battery a voltage converter / dropper will be required to be installed in the vehicle. Please contact your supplier for more information on how to obtain one or visit the Textlink website at: www.text-link.co.uk

On-board Battery Back-up

When you receive your Textracker unit the internal battery back-up pack will be discharged.

Once the Textracker is powered by the vehicle battery or the battery charger the internal charger circuit will turn on and charge up the back-up batteries to their full capacity.

The batteries are charged at a C/40 rate and it will take **40 Hours** to fully charge them after which time the internal charger circuit will automatically switch off.

The internal battery back-up system will only become operational if the external power to the Textracker unit is removed. The batteries will last for up to 2 to 3 days in normal operation and 7 to 10 days in the Low Power Mode.

A 12 Volt mains operated battery charger is available to purchase from the Textlink website www.text-link.co.uk ; for applications where the Textracker is not being connected to the vehicle or to any equipments external battery supply.

The Led Indicator

In its normal operation and in the "ALWAYS ON" and the "GEO-FENCING" modes the led indicator at the side on the enclosure will flash once per second when a 2D fix is available and flash twice per second if it has a 3D fix (i.e. 4 or more satellites).

Setting up & programming the Textracker

The Textracker has 4 main modes of operation each programmable by sending a five digit TEXT message from your mobile phone to your Textracker. Sending your password followed by the appropriate command number programs the unit into that mode of operation.

The main modes are: -

- GPS Always On (Use this when you first install your unit to attain a first fix.)
- Low Power Text Tracking
- Geo Fencing Alarm Set-up
- Switch GPS Off

After powering up the Textracker for the first time, start by texting your “Password Only”, then “Telephone” it, hang up, and it will text back the GPS co-ordinates. You can then check your position on the web maps at www.text-link.co.uk/locate

Please allow approximately 45 seconds between sending commands to the Textracker, this allows it to re-register with the network and retrieve the required information.

GPS ALWAYS ON MODE

Send Your Password only. This mode keeps the GPS on at all times.

The following assumes that the 4 digit password number provided when you purchased your Textracker is: **XXXX** and your Textracker telephone number provided is: **0123456789**

It is recommended that after installation you set-up in this mode to achieve its first fix.

To enable this mode, proceed as follows: -

From your Mobile Phone:

Send a **TEXT** message **XXXX** to the Textracker telephone number **0123456789**

[Replace “xxxx” with the Textracker password number supplied]

[Replace “0123456789” with the Textracker telephone number supplied]

When this has been successfully completed you will receive a TEXT message on your mobile phone “**GPS On**”. All text messages and alarm warning messages now sent by the Textracker will be received on your mobile phone.

If you now telephone the Textracker in this mode you will receive the real-time GPS positional information of your vehicle or equipment back to your mobile phone.

If at any time you need to change your mobile phone, or want to receive the alarm messages being sent by the Textracker to go to another mobile phone of your choice, then simply follow the procedure above again using the mobile phone you want the messages to go to. The Textracker will **ONLY** communicate the messages to one mobile phone at any one time.

LOW POWER MODE

Password followed by one (1).

Use this mode to set the Textracker into Low Power Mode. This is most useful if your asset is left for long periods and the battery cannot be charged.

In this mode the GPS subsystem is powered down and wakes up to take a reading every 10 minutes.

If you telephone the unit in this mode it will send its last known position.

To enable this mode simply text your password followed by one (1) to your Textracker.

Note: When you first receive your Textracker please allow the unit to operate in normal mode for the first two days to allow the internal batteries to be fully charged.

To return to full power normal mode simply send the password only.

Send a **TEXT** message **XXXX1** to the Textracker telephone number **0123456789**

[Replace "xxxx" with the Textracker password number supplied]

[Replace "0123456789" with the Textracker telephone number supplied]

GEO-FENCING ALARM MODE

In this mode the unit sets calculates and stores its current position.

If the vehicle or equipment then moves outside the programmed perimeter, an alarm message will be transmitted to your mobile phone and the unit will then switch to the "GPS ON" mode.

To make use of this mode you must first setup the required perimeter that you want.

Please note you only have to do this once, if you wish, as the information is stored in the Textrackers internal memory.

We would recommend that you set this to a reasonable value, example greater than 100 metres.

Setting up the Geo-fence perimeter

To set up the distance of the required perimeter around the vehicle or equipment send a text message from your mobile with your 4 digit password followed by a zero (0) then followed by the distance in meters.

Example to set up for a perimeter of 500 meters

Send a **TEXT** message **XXXX0500** to the Textracker telephone number **0123456789**

[Replace "xxxx" with the Textracker password number supplied]

[Replace "0123456789" with the Textracker telephone number supplied]

Enabling the Geo-fence Alarm

Password followed by two (2). This enables the Geo-fence alarm to "ON"

Send a **TEXT** message **XXXX2** to the Textracker telephone number **0123456789**
[Replace "xxxx" with the Textracker password number supplied]
[Replace "0123456789" with the Textracker telephone number supplied]

The Textracker will send you a text message informing you that the Geo-fence has now been enabled. The Textracker will then find the exact position of where the vehicle or equipment is and it will then "**CALL**" your mobile shortly after this and then hang up, this is to confirm it has the vehicles exact position. **DO NOT**, answer this call it is only a confirmation call.

If the vehicle now moves outside of the circumference or safe zone of the perimeter set up then a text warning message will be sent to your phone "**Geo-fencing Alarm**"

Telephoning the unit while in Geo-fence Mode

If you telephone the unit in this mode you will receive the GPS positional information back to your mobile phone.

Auto Geo-Fence Alarm

If you set in this mode the unit will remember the last setup position and send you a text message when you move out the geo-fence perimeter, safe zone. When your vehicle or equipment returns to the safe zone and after approximately 5 minutes you will then receive a text message informing you that you are now back in the safe zone and the Geo-fence Alarm is again enabled to "ON".

"Your Asset has returned to the Safe Zone"

Note: The auto Geo-fence alarm is not active in its low power Tracking Mode.

Send your Password followed by twenty one (21). To enable the Auto Geo-fence

Send a **TEXT** message **XXXX21** to the Textracker telephone number **0123456789**
[Replace "xxxx" with the Textracker password number supplied]
[Replace "0123456789" with the Textracker telephone number supplied]

Additional Features

Select Positional Output Format

You can select whether you want the positional information sent to you in degrees (Autoroute Mapping Standard) or degrees minute and seconds.

Degrees

Text your password (xxxx) followed by three (3), default setting of the Textracker

Degrees, Minutes, Seconds

Send your password (xxxx) followed by four (4)

The Input Alarm

The alarm expects a low level, negative trigger signal on the BLUE wire to the Textracker. DO NOT connect this wire directly to the negative of the battery or directly to ground as this will run out your Textrackers sim card credit balance. (See wiring diagram).

After the vehicle or equipments existing security alarm has been triggered or when the panic button has been pressed, you will receive a text warning message “**Vehicle Alarm Activated**”

After any vehicle alarm trigger, there will be a fixed **15-minute delay** before the input wire becomes active again. If the vehicle alarm has not been reset after this time then another text warning message will be sent to your mobile phone.

You can enable and disable the input alarm function by sending your password followed by a five (5) to set to “ON” and eight (8) to switch “OFF”.

Battery Disconnect Alarm

If the external battery power is disconnected or removed from the Textracker you will receive a text message on your mobile phone, “**Battery disconnected. Approx 2 days to locate**”
The Textracker will switch to GPS Always ON mode.

GMT Correction

GPS time is GMT. For different time zones or changes due to British summer/winter variation you can offset this value.

E.g. To add one hour to GMT time send your password followed by plus one (+1)

To take two hours from GMT send your password followed by minus two (-2)

Note. British summer time is password+1
British wintertime is password+0

Using with PC Mapping Software

With PC mapping software such as Autoroute or MapPoint 2004 / 2006, select the "Find" function then Lat/Long menu and enter the co-ordinates as described in the section below.

Using with the Web Based Mapping Service

The GPS co-ordinates from the Textracker, which when requested for, will be transmitted and sent to the mobile phone of your choice, giving the exact location of the vehicle at that time. The co-ordinates will be in decimal format and will include "N" or "S" and "E" or "W". When entering the information in the boxes on the website to view the map, you must include a negative sign (-) immediately in front of the numbers when the Latitude is "S", (South) and when the Longitude is "W", (West). Do not include any letters, numbers only.

Example: Latitude 51.4999N, Longitude 0.1288W, should be entered as 51.4999 and -0.1288

Running Costs

There are **NO** setup fees, subscriptions, monthly charges or registration costs. The only cost is the price of a text message, **10 pence** when the unit communicates to the user any messages.

The Textracker has an internal 02 Pay as you Go sim card fitted and it will be supplied with credit. Each message that is displayed on the user phone will also display the remaining balance on the Textracker sim card. A Top Up swipe card is provided, should the user require to add more credit to the Textracker sim card.

Technical Specification

Dimensions:	117mm x 69mm x 25mm
Weight:	10oz
Operating Temp:	-30 deg to + 70 deg C
Power Requirements:	12V nom. Up to 36V with Step-down converter
Current Draw:	Ultra Low Power – 6mA Stand by – 40mA nom
Battery Back Up:	Up to 7 days without power – Low Power Mode
Battery Recharge:	40 Hours to Full capacity
GPS Receiver:	Channels: 12 parallel
Accuracy:	2 Metres or approx 7 feet
Antenna Dimensions:	42mm x 50mm x 13mm
Antenna Mounting:	Compact Magnetic Mount
Networks Supported:	GSM/SMS/GPRS 850/900/1800/1900 MHz
Approved Networks:	O2, T-Mobile, Orange, Vodafone, Vodacom
Manufacturing Approvals:	BS EN ISO 9001:2000
Conforms to:	CE marked

Textlink Ltd Support and Help

All technical enquiries – [email us](#)

More help and product information can be found on our website – [Visit the Textlink Website](#)

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