Little LogBook

GPS TRIP LOGGER

Product Overview

Current tax laws in South Africa require that ALL taxpayers with a car allowance submit a detailed logbook of business mileage. Without this logbook, the monthly tax benefits received are lost and the shortages would need to be paid back to SARS at the end of the tax year.

For example, a car with a value of R250 000 with 20 000 business kilometers traveled, could result in a payment to SARS of R15 892 at the end of the year. This is an unnecessary amount to lose, specifically because an inexpensive solution is available.

Little LogBook is a GPS device, no larger than a flash drive. It uses a minimum of four satellites to log your kilometers as you drive. This information is translated into a SARS-compliant report, using powerful software developed and supported in South Africa.

The beauty of Little LogBook is the simplicity of use and wealth of information gained.

- Start by plugging the device into the cigarette lighter to power up.

- Little LogBook will automatically log all mileage on the device as you drive around.

- End by downloading the information via your USB port on your PC to Little LogBook software.

- Quickly identify unknown trips by viewing the trip at street level on Google Maps™
  (subject to acceptance of Google Maps™ Terms & Conditions of Use, http://maps.google.com/help/terms_maps.html).

- Mark trips as private or business – if business, add relevant trip information.

- The software automatically identifies the GEO locations, e.g. Randburg. These can be renamed, e.g. Office. Every time you return to that point, the software will instinctively recognise that you are at the "Office".

It couldn't be easier!

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Little LogBook is designed and programmed to track your mileage (kilometres) as you drive.

Place the Little LogBook device in an upright position on the dashboard of the vehicle, ensuring a clear view of the sky and satellites above. The Little LogBook is kept in position with the adhesive dashboard strips provided.

Connect the Little LogBook to the vehicle's cigarette lighter socket, using the power supply included. A solid green LED lights up on the device and it starts searching for satellites immediately, until a lock is made on a minimum of four satellites.

As accuracy is key to the Little LogBook's function, it is important to wait until a full fix is achieved before departing on a business trip. This full acquisition of satellites is indicated on the device when the green LED starts flashing. The Little LogBook is now geared for action.

The light will remain flashing as long as it has sight of at least four satellites. Light returns to solid if satellites are lost.

Your work here is done!

As you drive around, the Little LogBook does everything automatically. It commits to memory GPS co-ordinates every 3 seconds, ensuring optimal accuracy of the mileage recorded and your SARS tax report.

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To improve start up time, the Little LogBook is AGPS enabled. In short, **Advanced Global Positioning Satellite (AGPS)** positions are uploaded onto the Little LogBook dongle automatically when the unit is synced with the Little LogBook software loaded on your PC. This information guides the device in searching for the satellites by mapping the sky. The information is available weekly for the ensuing week and greatly improves on start up times, therefore also improving accuracy.

Although Little LogBook does all the hard work for you, you are still required to identify business trips, including adding the qualifying reason for the business trip, to generate the SARS compliant tax report. This can be done at any time as the software has been cleverly designed to assist in clearly recalling and viewing previous trips and effortlessly assisting in turning the data into a SARS-compliant log.

Rename destinations in the Little LogBook software - e.g. Mbeleni Data Solutions - and every time you revisit the client, Mbeleni Data Solutions is reflected in the report for ease of use. However, we suggest syncing Little LogBook with your PC once a week while the memories are fresh and trips are recent.

Besides always having the updated AGPS data, ensuring your Little LogBook is synced weekly has many benefits. Should the unforeseen happen and your device is lost, stolen or damaged, the vital information on it will be lost along with it.

Safety and Product Information

- The device operates on switching power so please ensure your cigarette lighter is connected to your ignition power. This means the device switches on/off with the ignition.
- Please do not plug/unplug the device while the vehicle is in motion as this can lead to an accident.
- Do not submerge the device in water as this will lead to the device malfunctioning.
- The device is manufactured to very high specifications but intentional abuse/misuse will cause the device to malfunction. **Abuse/misuse is not covered in the 12 month limited warranty.**
- When not in use for extended periods, do not leave the device in a closed vehicle in direct sunlight. A vehicle can reach temperatures of 110 degrees Celsius and the unit may be damaged (see Technical Specifications below). **This type of damage is not covered in the 12 month limited warranty.**

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Technical Specifications

- 65 channels satellite tracking
- Start up times (Satellite dependant): 2 – 180 seconds
- Superior sensitivity: -160dBm tracking
- Update Rate: 1 Hz (max)
- Dynamics: 4G (39.2 m/sec2)
- Dimension: 2.89 in (L) x 1.06 in (W) x 0.39 in (H)
- Support standard NMEA-0183 at 4800/9600/19200/38400 bps
- GPS protocol: NMEA +0183 - GGA, GSA, GSV, GLL, RMC, VTG, ZDA
- DATUM: WGS84 (User Definable)
- Support AGPS
- SBAS (WAAS, EGNOS) support
- 2MB flash memory for data logging, with 16 bytes binary data per record that stores up to 250K
- Start & stop locations can be renamed by user
- Support G-mouse function
- Accuracy:
  - → Position: 5m CEP without SA
  - → Velocity: 0.1m/sec, without SA
  - → Time: +/- 50ns synchronized to GPS time
- Operation Limits: Altitude <18,000 m or Velocity < 515 m/s
- Operating Temperature: -20° to 60° Celsius; Humidity: 5% ~ 95%
- USB 2.0
- USB powered
- Power Consumption <42 mA (1Hz standard version)

Frequently Asked Questions

Please visit the **FAQ section on our website** for a list of questions and answers.

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