

# 860Lite Flyer

## Overview

This 860Lite is a keychain GPS which features an cost-effective portable GPS logging solution. It allows you to log your routes with onboard memory. You can also record POI (Points of interest) by a push button. It could protect your device log data from stolen by adding encryption. Through user-friendly Mileage Logger software, you can manage your trip expenses and mileage reimbursements more easily than before. Also Mileage Logger can export trip records to a Microsoft Excel file (CSV format) for further analysis. This GPS Logger is small and robust, ideal to carry everywhere for applications such as route tracking, business trip recording or fleet management.



## Key Features

- ⌘ Compact design for easy to carry
- ⌘ Built-in motion sensor for Auto ON / OFF
- ⌘ Auto Gear function for smart recording
- ⌘ Log up to 125,000 waypoints
- ⌘ High receiving sensitivity with AGPS capability
- ⌘ Rechargeable battery for up to 12 hours usage
- ⌘ Friendly utility to manage routes and photos

## Application

- ⌘ Record your travels
- ⌘ Manage trip records
- ⌘ Manage field team
- ⌘ Manage your trip photos

## ● Appearance & Led indications.

	<ol style="list-style-type: none"> <li>1. DC jack (mini USB type)</li> <li>2. Mode switch (Power off/ 1Hz Log/ Smart Log)</li> <li>3. Smart Log LED (Blue)</li> <li>4. GPS status LED (Orange)</li> <li>5. Log &amp; POI LED (Red)</li> <li>6. Battery status LED (Red / Green)</li> <li>7. Slide-to-push POI button</li> </ol>
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Category	SYMBOL	COLOR	STATUS	Function
GPS Status LED		Orange	Always on:	Acquiring satellites, GPS position not fixed
			Quickly Blinking:	GPS position is fixed
Log Status LED		Red	Always on:	The memory space is too low (20% left now)
			Quickly Blinking:	LED blinks 3 times, Points of Interest (POI) is recorded
			Blinking:	Log mode
Battery Status LED		Red	Light On	The battery is too low
		Green	Light On:	The battery is charging
		Green	Light Off	The battery is fully charged
Smart log LED		Blue	Quickly Blinking:	Smart log is acting
			Slowly Blinking:	Sleeping mode
			Light Off	Smart log stops acting

Power Switch	Right (Off)	Power off
	Middle (1Hz Log)	Log mode Enabled , (In 1Hz log mode, vibration sensor is disabled)
	Left (Smart Log)	Smart Log function Enabled, (In Smart log mode, vibration is enabled)
Slide to Push button	Push button	Slide and push POI button to log points of interest; Log LED will quickly blink 3 times.

● Specification

Category	Parameter	Description
General	GPS Chip	MTK 3329
	Frequency	L1,1575.42 MHZ
	C/A Code	1.023MHz chip rate
	Channels	66 CH for tracking
	Antenna	Built-in patch antenna with LNA
	Datum	WGS-84
Acquisition	Cold Start	35 sec, average
	Warm Start	34 sec, average
	Hot Start	1.5 sec, average
	AGPS	<15sec
Power	Battery	Li-Polymer
	Charging time	1.5 hrs (Typical)
	Operation Time	12 hrs
	Power Charge	Mini USB port 5 pins
Environmental	Operating	-10°C to +60°C
	Storage	-20°C to +80°C
	Charging	0°C to +45°C
	Relative Humidity	5% to 95% non-condensing
Accuracy (none DGPS)	Position	Without aid: 3.0m 2D-RMS DGPS: 2.5m, 2D-RMS
	Velocity	Without aid: 0.1m/s DGPS: 0.05m/s
	Sensitivity	-165dBm (tracking)
Dynamic	Altitude	<18,000m
	Velocity	<515m/sec
	Acceleration	4G
Interface	USB	Mini USB 5pin
Protocol	NMEA Output	NMEA-0183 (V3.01) - GGA, GSA, GSV, RMC (default) Data bit: 8, stop bit:1 (Default)
	Baud rate	115200
Physical	Dimension	49 x 38 x 16mm
	Weight	32g
Data Log	4MB memory	Record data: RCR/ Date/ Time/ GPS valid/ Latitude/ Longitude/ Altitude/ Speed · Heading. Log up to 125,000 way points.
Others	Sensor	Vibration sensor
	Power Switch	Power On/Off
	Certification	CE / FCC