860E Flyer

Overview

860E is a powerful GPS Datalogger comes with the latest MTK II chipset works from your pocket, handbag and backpack. Compact design for easy to attach to the digital camera and all type of bags. 860E allows you to log your route by setting the interval of time/ distance/ speed and intelligent auto gear function and motion sensor for smart logging to save memory and power. Easy to use and through user friendly utility, it can display your track on Google Earth/Map.

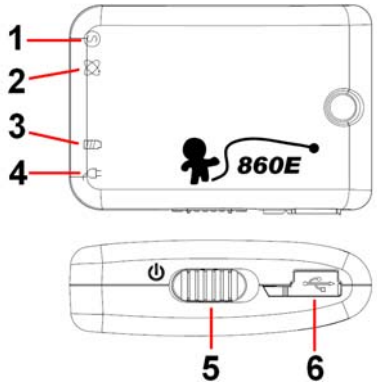
Key Features

- ⌘ 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.



1. Log/Memory LED (RED)	Ⓢ	Blink every 2 seconds = Logging
		Always ON = Memory 90% occupied
		Blink every 5 seconds = Sleep mode
2. GPS LED (Orange)		Blink every 2 seconds = GPS fix
		Always ON = Searching for Satellite
		OFF = Sleep mode
3. Battery status LED (Red)		Always ON = Low battery
4. Charge status LED (Green)		Always ON = Charging battery
		OFF = Fully charged
5. Power switch		To turn ON/OFF the device
6. USB Port		For power supply and data exchange

● Hardware function

Built-in MTK II GPS	High performance GPS solution with A-GPS for instant fix less than 15 seconds.
Built-in 32Mb memory	Capacity for up to 125,000 waypoints recording.
Built-in rechargeable Battery	Built-in 350mA Li-polymer battery for up to 12 hours operation time and 90 hours standby time.
Built-in motion sensor (This function is turned on as default and can be turned off by the provided software.)	For automatically start/ stop logging and smart power management and waypoint saving. 860E will enter sleep mode when it is static for 2 minutes and recover when motion is detected.
Built-in Mini USB port	For power charging and data exchange. Use USB cable to connect to power source to charge the battery. Connect to PC to download the logged data or upload the A-GPS EPO data. *Connect to Laptop via USB cable to work as a wired GPS receiver.
Built-in Auto Gear function	Log time interval will be changed according to the speed detected by the Device. Speed for each time interval can be programmed by the provided software.

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● 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	46 x 32 x 14.7mm
	Weight	22g
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