VBOX SPORT

VBOX Sport is a waterproof, battery powered, self-contained GPS data logger designed primarily to measure vehicle performance or lap-times.

VBOX Sport can be used as a stand-alone logger or connected to an iOS device via Bluetooth to see results in real time using free apps supplied by Racelogic.

The unit is very light weight and rugged, with an option of using an external antenna, which makes it also suitable for motorbikes, bicycles and backpacks.

An optional Herbert Richter mounting plate can be used to adapt the VBOX Sport to a large range of standard mounting accessories.

Features

- 10 Hz GPS/GLONASS data logger
- Bluetooth interface to iPhone™ or iPad™
- SD card logging
- 6 hours+ internal rechargeable battery
- Internal or external GNSS antenna

- Robust, waterproof, lightweight enclosure
- Herbert Richter mounting system
- Circuit Tools analysis software
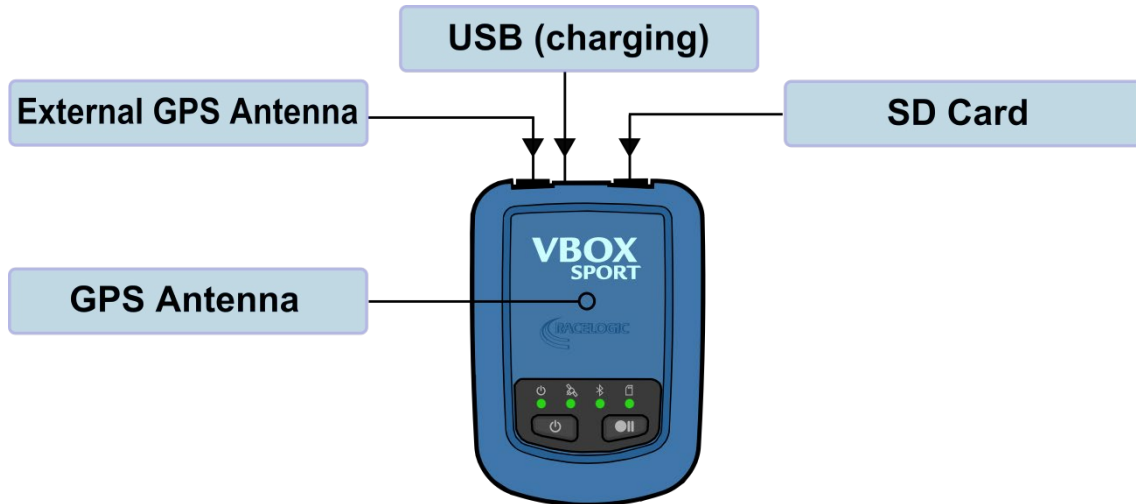- Free Performance Test iPhone App available from Apple App Store

Inputs and Outputs

USB	SD Card
Battery charging/power only	8 GB card supplied with device
External GPS Antenna (optional)	
GPS/GLONASS low profile antenna with RG-174 and MCX male connector (2 m cable). Order number: RLACS284	

Environmental and Physical

Input	+5 Volts only
Power	2.5 W max (charging)
Operating temperature	-20°C to +55°C - 0°C to +45°C (whilst charging battery – charger will shut down outside this range)
IP rating	IP65 (with connector bungs fitted)
Size	104.5 x 72.8 x 25.1 mm
Weight	130 g
Storage temperature	-20°C to +60°C (max limits)

GPS Specifications

Velocity		Position	
Accuracy	0.1 km/h	**2D Position**	5 m 95% CEP *
Units	km/h or mph	**Height**	±5 m
Update rate	10 Hz		
Maximum velocity	1800 km/h		
Minimum velocity	0.1 km/h		
Resolution	0.01 km/h		

Acceleration		Heading	
Accuracy	0.5%	**Resolution**	0.01°
Maximum	4 g	**Accuracy**	±0.2°
Resolution	0.01 g		

* CEP = Circle of Error Probable - 95% CEP means 95% of the time the position readings will fall within a circle of the stated radius

Recording Options
Record only when moving (default); Record start/stop button.

SD Card Memory Usage
8.7 Megabytes/hour whilst logging.

Software

Apple software (available from the Apple App Store)	Windows software
Racelogic Performance Test App	Circuit Tools: Data analysis software
Racelogic Diagnostics App for VBOX Sport	
Racelogic Laptimer App	

Support	
Hardware	One Year hardware warranty
Software	Lifetime Support Contract: Valid for a minimum of 5 years from the date of purchase and limited to the original purchaser. Contract includes: telephone/ email technical support provided by local VBOX Distributor and firmware/ software upgrades (where applicable).

Package Contents

Product Code	Description
VBS01-V2	VBOX Sport
RLACS313	8 GB SD Card
RLCAB117	USB A- Micro B Lead, 1.8 m
RLACS184	Cigar Plug USB Adaptor
RLACS185	4-Prong Mounting Plate