

VBOX SPORT



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

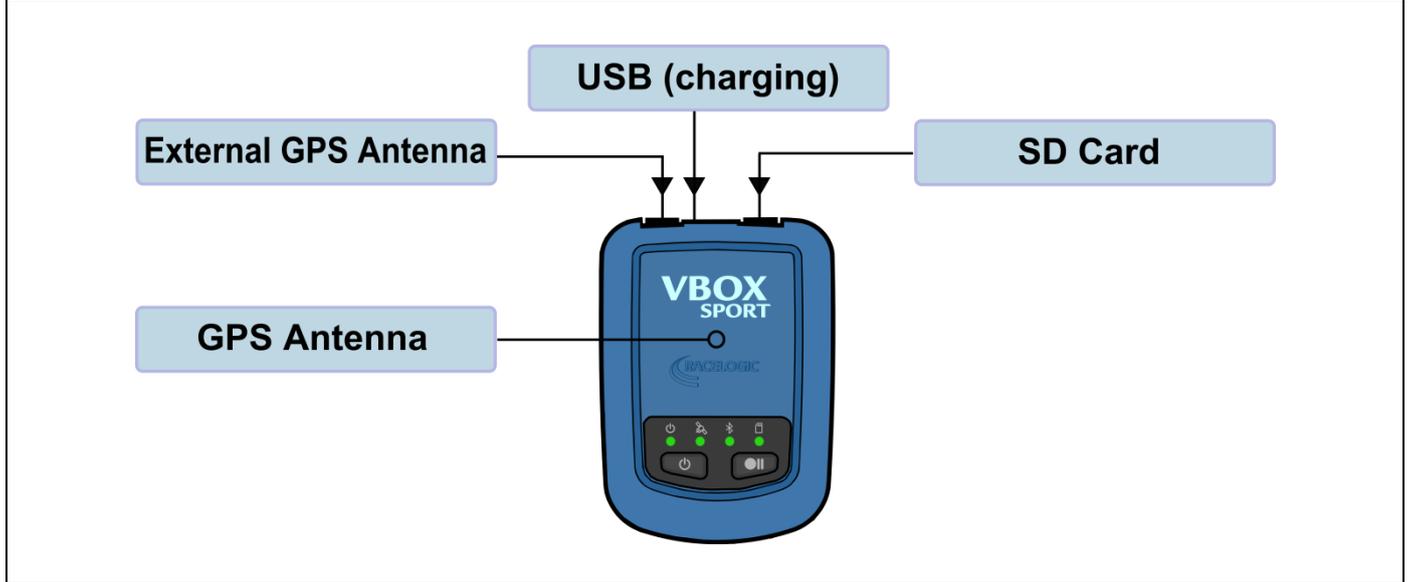
- 10 Hz GPS data logger
- Bluetooth interface to iPhone™ or iPad™
- SD card logging
- 6 hours+ internal rechargeable battery
- Internal or external GPS antenna
- Robust, waterproof, lightweight enclosure
- Herbert Richter mounting system
- Circuit Tools analysis software
- Free Performance Test iPhone App available from Apple App Store

VBOX SPORT



Inputs and Outputs

| | |
|---|--|
| USB Battery charging/power only | SD Card 4 GB card supplied with device |
| External GPS Antenna optional | |



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 | VBOX Sport |
| RLACS137 | 4 GB SD Card |
| RLCAB117 | USB A- Micro B Lead 1.8m |
| RLACS184 | Cigar Plug USB Adaptor |
| RLACS185 | 4-Prong Mounting Plate |