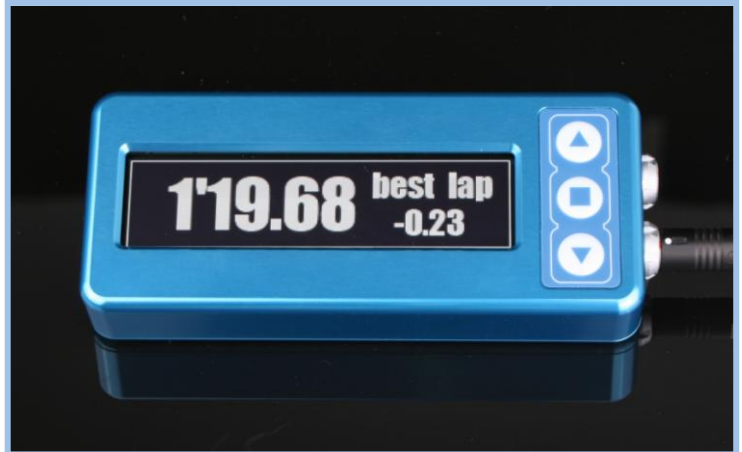


The OLED display is the perfect partner to VBOX data logging systems. It is fully waterproof, and features sharp graphics and simple operation for quick and easy in-vehicle use. The OLED display has the ability to show a range of parameters, including live and max speed, g-force, and lap times, and can quickly switch between display modes using the Up and Down buttons.

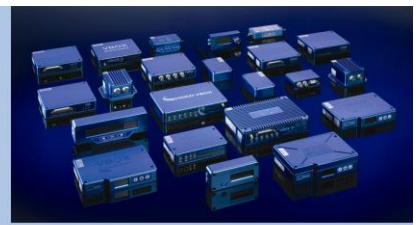
The display has the capacity to start and stop logging in conjunction with some VBOX models, and can also report logging status. The unit has an internal accelerometer that flips the screen in accordance with the way it is mounted, and the option to invert screen colours or display the font as a high contrast outline to match lighting conditions makes it very flexible.



There are three versions of the display to suit a range of applications and to ensure product compatibility. The unit is available in either waterproof aluminium (pictured above) or splash proof plastic and aluminium, with options for Fischer and Lemo connectors. The display can work with VBOX 3i, Video VBOX, VBOX Micro, VBOX III, VB2SX, VB20SL, VB20SL3, and Performance Box Sport – full compatibility options are detailed in the specifications on this data sheet.

Features

- View parameters such as live speed, max speed, lap times, and g-force
- Use with Racelogic dataloggers, including Video VBOX, VBOX 3i, and Performance Box Sport
- Inverse screen colours or change font options for use in different light conditions
- Internal accelerometer: determines orientation of display and flips display and association of the buttons
- Intuitive operation: three buttons allow you to scroll display screens, set start/finish points, reset data, start/stop logging, and enter menus
- Can show logging status of connected VBOX, and memory card capacity status
- Recognises data from standard VBOX CAN Output, offering logging control
- Motorsport Standard Fischer or Lemo Connectors
- Can recognise serial data output from all VBOXs
- 6V to 30V operating range, and low power consumption at 1.2W
- Full Racelogic Support



Display Modes

The device has different display modes that are accessed using the Up and Down buttons. The data displayed on each screen is calculated at all times, even if it is not currently displayed. The name of each display mode is displayed for one second before displaying the actual screen for the chosen mode.

Live Speed



Max Speed



G-Force (Longitudinal and Lateral)



Lap Time



Best Lap Time

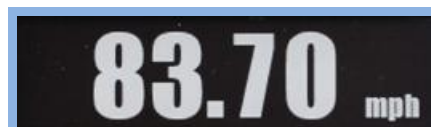
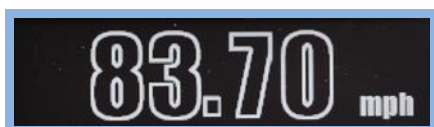


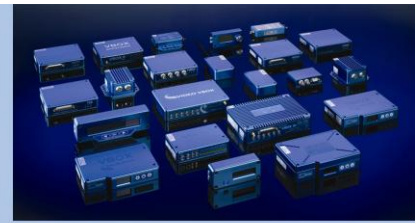
Split / Best Split Time



Display options

The OLED Display has the option to show font as a high contrast outline and inverse screen colours for use in different light conditions. Some of the display options are shown below.

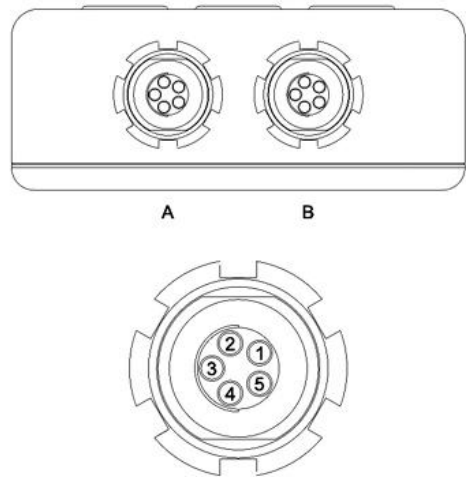




Specifications

VBOX OLED Display with Waterproof Aluminium Housing (VBDSP04)

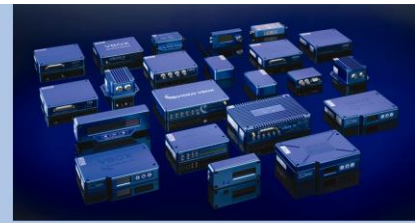
Compatibility	VBOX 3i, Video VBOX, VBOX 2SX, VBOX 20SL, VBOX 20SL3, VBOX III, VBOX Micro, Performance Box Sport. Choose lead below for correct connection.	
Unit Connection	2 x Fischer 5w sockets	
Lead Options	Fischer - Fischer lead (RLCAB077) for use with VBOX Micro and Performance Box Sport Fischer – Lemo lead (RLCAB063) for use with all other VBOX products	
Unit Connectors	<p>Connector A</p> <p>1: Power 2: Unit Rx 3: Unit Tx 4: CAN High 5: CAN Low Chassis: Ground</p>	<p>Connector B</p> <p>1: Power 2: Digital Output 2 3: Digital Output 1 4: CAN High 5: CAN Low Chassis: Ground</p>
IP Rating	IP66 rating	
Operating Temp	-40 to +70 °C	
Power	1.2W	
Input Voltage	6 – 30VDC	
Output Power	Digital outputs capable of supplying 500mA (reserved for future use)	
Output Voltage	Digital output voltage is same as display input voltage	
Dimensions	115 x 50 x 20mm (exc. connectors)	
Weight	146g (exc. cable)	



VBOX OLED Display with Splashproof Plastic Housing - Lemo connector (VBDSP05-L)

Compatibility	VBOX 3i, Video VBOX, VBOX 2SX, VBOX 20SL, VBOX 20SL3, VBOX III
Unit Connection	Fixed flying cable (2m)
Output Connection	Lemo 5w plug (VBDSP05-L) / Fischer 5w plug (VBDSP05-F)
IP Rating	IP64
Operating Temp	-40 to +70 °C
Power	1.2W
Input Voltage	6 – 30VDC
Dimensions	101 x 51.5 x 26.5 (exc. cable)
Weight	147g (inc attached cable)





VBOX OLED Display with Splash proof Plastic Housing - Fisher connector (VBDSP05-F)

Compatibility	VBOX Micro and Performance Box Sport
Unit Connection	Fixed flying cable (2m)
Output Connection	Fischer 5w plug (VBDSP05-F)
IP Rating	IP64
Operating Temp	-40 to +70 °C
Power	1.2W
Input Voltage	6 – 30VDC
Dimensions	101 x 51.5 x 26.5 (exc. cable)
Weight	147g (inc attached cable)



Models and Package Contents

RLVBDSP04	VBOX OLED Display (Waterproof aluminium housing)
VBDSP04	VBOX OLED Display (Metal enclosure)
RLACS125	VBOX Light Weight Mount
	<i>One of the below cables ordered separately for use with VBDSP04:</i>
RLCAB077	5 Way Fischer Plug to 5 Way Fischer Plug - 2m (VBDSP04 to VBOX MICRO)
RLCAB063	5 Way Fischer Plug to 5 Way Lemo Plug - 2m (VBDSP04 to other VBOX Module)
RLVBDSP05-L	VBOX OLED DISPLAY (Splash proof aluminium/plastic housing - Lemo connector) for use with all VBOXs excluding VB Micro and PB Sport
VBDSP05	VBOX OLED Display (Plastic / aluminium enclosure)
RLACS125	VBOX Light Weight Mount
VBFMANMOUNT	VBOX Mounting Adaptor
RLVBDSP05-F	VBOX OLED Display (Splash proof aluminium/plastic housing - Fischer connector) for use with VB Micro and PB Sport
VBDSP05	VBOX OLED Display (Plastic / aluminium enclosure)
RLACS125	VBOX Light Weight Mount
VBFMANMOUNT	VBOX Mounting Adaptor