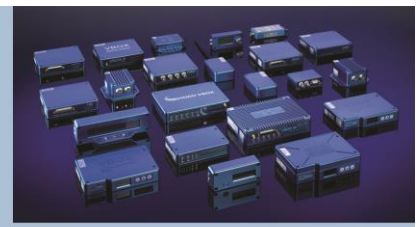


RACELOGIC VBOX OLED Display

Speed and Lap timing display



The OLED display is the perfect partner to VBOX. The high contrast display is suitable even in bright conditions, with sharp graphics and simple operation for easy in-vehicle use. It can show a range of parameters, including live and max speed, g-force, lap times, and LineSnap predictive lap-timing.

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

The OLED display is available in either a waterproof anodised blue aluminium case (pictured above), or a splash proof plastic and aluminium case. There are three versions with different connections (Fisher, Lemo, and Mini Din) depending on the unit it is to be used with: full compatibility options are detailed in the specifications below.

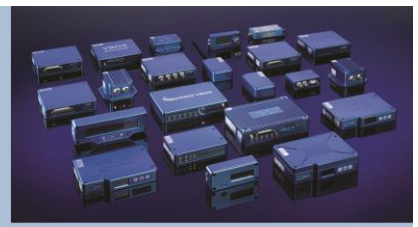


Features

- View parameters such as live speed, max speed, lap times, and g-force
- Predictive Lap-timing: compares your current lap to your best in real time to help improve lap times
- Use with Racelogic data-loggers, including Video VBOX, VBOX 3i, and Performance Box Sport
- Inverse screen colours or change font options for use in different light conditions
- Internal accelerometer: flips display according to the way it is mounted
- Easy operation: three buttons to scroll display screens, set start/finish points, reset data, start/stop logging, and enter menus
- Can show logging and capacity status of connected VBOX
- Recognises data from standard VBOX CAN Output, offering logging control
- Motorsport Standard Fischer or Lemo Connectors
- Can recognise serial data output from all VBOXs
- Low power consumption: 1.2W



Top: Blue OLED (DSP04) showing predictive lap-timing screen
 Above: Black OLED (DSP05) showing best split time
 Left: Blue OLED (DSP04) connected to a Video VBOX Pro



Display Modes

The OLED has different display modes, accessed using the Up and Down buttons. The data on each screen is calculated at all times, even if it is not currently displayed.

Live Speed



Max Speed



G-Force (Longitudinal and Lateral)



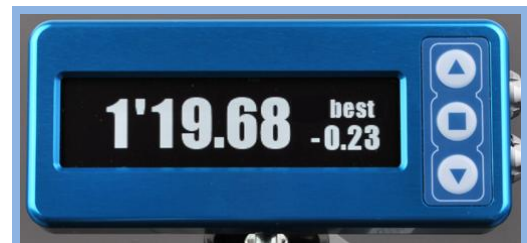
Lap Time



LineSnap Predictive Lap Time

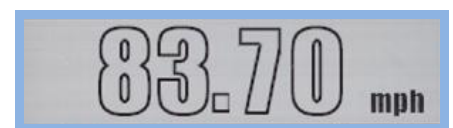
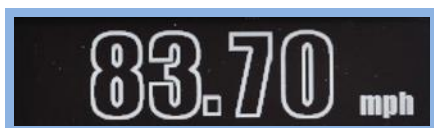


Split / Best Split Time



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.

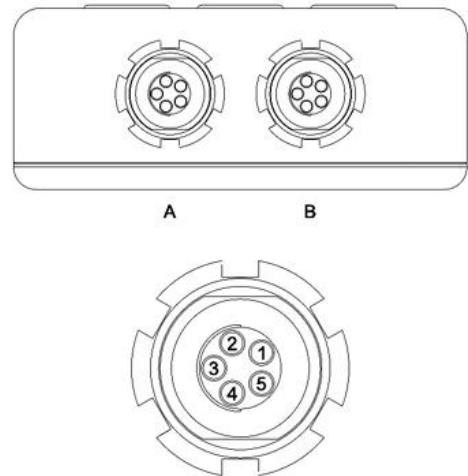




Specifications

VBOX OLED Display with Waterproof Aluminium Housing (VBDSP04)

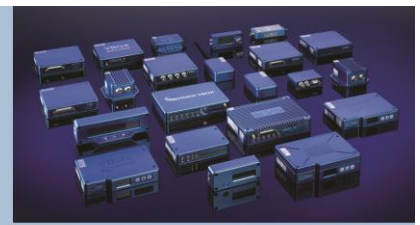
Compatibility	VBOX 3i, Video VBOX, VBOX 2SX, VBOX 20SL, VBOX 20SL3, VBOX III, VBOX Micro, Performance Box Sport. Choose lead below for correct connection.	
Unit Connection	2 x Fischer 5w sockets	
Lead Options	Fischer - Fischer lead (RLCAB077) for use with VBOX Micro and Performance Box Sport Fischer – Lemo lead (RLCAB063) for use with all other VBOX products	
Unit Connectors	Connector A 1: Power 2: Unit Rx 3: Unit Tx 4: CAN High 5: CAN Low Chassis: Ground	Connector B 1: Power 2: Digital Output 2 3: Digital Output 1 4: CAN High 5: CAN Low Chassis: Ground
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