

OLED Display

(RLVBDSP04/RLVBDSP05)



The high contrast OLED display is the perfect partner to VBOX. Suitable even in bright conditions, the display provides sharp graphics and is simple to use. It can show a wide range of parameters, including live and max speed, lap times, and predictive lap timing.



The OLED display can start and stop logging in conjunction with some VBOX models, and also report logging status. It is available in either a waterproof anodised blue aluminium case, or a splash proof plastic and aluminium case. Different connections are available (Fischer, Lemo, Mini Din, Hirose) depending on the unit it is to be used with.

Display options

The OLED Display 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.



Features

- View parameters such as live speed, max speed, lap times, and predictive lap time
- 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 Lemo connectors for DSP04
- Can recognise serial data output from all VBOXs
- Low power consumption: 1.2 W

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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 **115.65** km/h

Max. Speed **271.39** max km/h

Lap Timing **2'07.7** Lap 01






Lap Count **TOTAL LAPS 003** **CURRENT LAPS 003**

Predictive Lap Timing **-02.44**

Lap Timing - Best **2'23.78** Best - 00.26

Specification

Black OLED Display with splash proof plastic housing (VBDSP05)


Compatibility	Depends on VBDSP05 unit (see lead options below)		
	Black OLED (VBDSP05) connected to Video VBOX Lite		
Unit Connection	Fixed flying cable (2m)		
Lead Options	 Mini-Din 5w plug for use with Video VBOX Lite (VBDSP05-M)	 Lemo 5w plug for use with Video VBOX Pro or VBOX Video HD2 (VBDSP05-L)	
	 Hirose 5w plug for use with Video VBOX Waterproof (VBDSP05-H)	 Fischer 5w plug for use with VBOX Micro and Performance Box Sport (VBDSP05-F)	
IP Rating	IP64		
Operating Temp	-40 to +70 °C		
Power	1.2 W		
Input Voltage	6-30 V DC		
Dimensions	101 x 51.5 x 26.5 mm (excluding cable)		
Weight	147 g (including attached cable)		

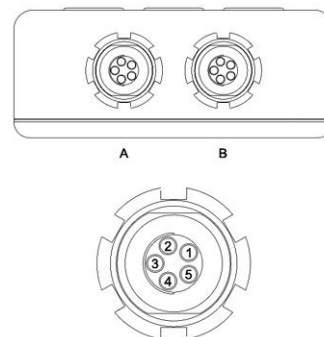
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Blue OLED Display with waterproof aluminium housing (VBDSP04)

Compatibility	VBOX 3i, Video VBOX, VBOX Video HD2, VBOX 2SX, VBOX 20SL, VBOX 20SL3, VBOX III, VBOX Micro, Performance Box Sport	 <p style="text-align: center;">VBDSP04 connected to a Video VBOX Pro</p>
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 Fischer – Mini Din (RLCAB092) for use with Video VBOX Lite Fischer – Hirose (RLCAB092-H) for use with Video VBOX Waterproof	
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	IP 66 Rating	
Operating Temp	-40 to +70°C	
Power	1.2 W	
Input Voltage	6 – 30 V DC	
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 20 mm (exc. connectors)	
Weight	146 g (exc. cable)	
Misc	CAN Pass-Through, either from VBOX modules or Vehicle CAN	



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Package Contents

VBOX OLED Display (Waterproof aluminium housing)	RLVBDSP04
VBOX OLED Display (Metal enclosure)	VBDSP04
VBOX Lightweight Mount	RLACS125
<i>One of the below cables ordered separately for use with VBDSP04</i>	
5 Way Fischer Plug to 5 Way Fischer Plug – 2m (VBDSP04 to VBOX MICRO)	RLCAB077
5 Way Fischer Plug to 5 Way Lemo Plug – 2m (VBDSP04 to other VBOX or VBOX Module)	RLCAB063
5 Way Fischer Plug to 12 Way Hirose Plug – 2m (VBDSP04 to Video VBOX Waterproof)	RLCAB092-H

VBOX OLED Display (Splash proof aluminium/plastic housing – Lemo connector) for use with all VBOXs excluding the ones listed below	RLVBDSP05-L
VBOX OLED Display (plastic/aluminium enclosure)	VBDSP05
VBOX Lightweight Mount	RLACS125
VBOX Mounting Adaptor	VBFMANMOUNT

VBOX OLED Display (Splash proof aluminium/plastic housing – Fischer connector) for use with VB Micro and PB Sport	RLVBDSP05-F
VBOX OLED Display (plastic/aluminium enclosure)	VBDSP05
VBOX Lightweight Mount	RLACS125
VBOX Mounting Adaptor	VBFMANMOUNT

VBOX OLED Display (Splash proof aluminium/plastic housing – Hirose connector) for use with Video VBOX Waterproof	RLVBDSP05-H
VBOX OLED Display (plastic/aluminium enclosure)	VBDSP05
VBOX Lightweight Mount	RLACS125
VBOX Mounting Adaptor	VBFMANMOUNT

VBOX OLED Display (Splash proof aluminium/plastic housing – Hirose connector) for use with Video VBOX Lite	RLVBDSP05-M
VBOX OLED Display (plastic/aluminium enclosure)	VBDSP05
VBOX Lightweight Mount	RLACS125
VBOX Mounting Adaptor	VBFMANMOUNT