

VBOX CAN Hub (RLVBCANHUB)



Increasingly complex vehicle test setups can make life difficult for the test engineer having to connect to a large number of logging units, modules, and the vehicle itself.

Recognising this, Racelogic have developed the VBOX CAN Hub which simplifies equipment installation of VBOX data loggers and modules, and connection to the vehicle bus. The new hub solution is especially useful for ADAS testing setups by removing the need for a variety of splitters and additional cabling, and its footprint is the same as the VBOX 3i so it sits neatly underneath.



The CAN Hub allows for an increase in the number of VCI channels to be logged natively on the VBOX 3i (max. 32). This is achieved by creating two separate customer VCI CAN ports.

The secondary VBOX 3i CAN port – usually used for either a vehicle interface or a VBOX data output – is now expanded through the CAN Hub to offer both functions simultaneously via two separate ports on the hub.

Features

- Simplifies set up for ADAS testing
- Removes the need for splitters and CAN02
- Dedicated sockets for connections to DGPS modem, RS232 telemetry, and Racelogic Multi-Function Display
- Fits neatly below a VBOX 3i
- Expands functionality of VBOX 3i with a second module CAN port and splits VCI port into separate VCI input and 3rd party data logger output ports

Specification

Description	Values
Dimensions (W x L x H)	170 mm x 123 mm x 30 mm
Weight	620 g
Input Voltage Range	7 – 30 V DC
Power Consumption	<1.5 W
Operating Temperature	-20°C to +70°C
Storage Temperature	-30°C to +80°C

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Inputs and Outputs



Port	Connector	Use
Power	2-Pin LEMO	Power input to CAN hub and VBOX. VBOX 3i is powered from the CAN hub, no need to connect two power cables.
2x Module CAN	5-Pin LEMO	Two functionally identical ports for connecting Racelogic modules.
DGPS port	5-Pin LEMO	Dedicated serial port for DGPS/RTK corrections.
2x VBOX 3i Link ports	5-Pin LEMO	Dedicated high speed data and power links to the VBOX 3i.
RS232 serial / telemetry port	5-Pin LEMO	Dedicated serial port for telemetry radios or serial connections to PCs.
VCI input port	5-Pin LEMO	Port for user configurable CAN input. No CAN data will be output on this port.
VCI output port	5-Pin LEMO	Output port for user selected CAN messages.
MFD port	5-Pin LEMO	Dedicated port for Multi-Function display connection.
Maintenance port	USB B	Used for firmware updates.

Hardware & Software Support

Support	
Hardware	One Year Support Contract.
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
VBCANHUB-V1	VBOX CAN Hub – Unit Only
2 x RLCAB005-018	Lemo 5W Plug – Lemo 5W Plug – 0.18 m Cable