

VBOX CAN Hub (RLVBCANHUB)



VBOX CAN Hub integrates with the VBOX 3i system to enhance its CAN connectivity capabilities.

By doubling the number of data ports available, the VBOX CAN Hub allows the capture of CAN input data from two isolated data sources, whilst offering the ability to transmit VBOX data to a third-party data logger, and capture data from connected VBOX modules, such as the Mini Input module and Thermocouple interface.

VBOX CAN Hub permits an extra 32 data channels to be logged by the VBOX 3i, increasing the maximum number of channels from 64 to 96.

VBOX CAN Hub also offers dedicated ports for connecting Real-Time Kinematic (RTK) inputs, serial radios for vehicle-to-vehicle ADAS testing and the Multi-Function Display (MFD). This eliminates the need for splitter cables, resulting in a neater installation and a simpler setup.



Features

- Up to two ports available for isolated CAN input
- Up to four ports available for output of VBOX CAN data, with user configurable baud rates
- Up to two ports available for VBOX module connections
- Dedicated sockets for DGPS modem, RS232 telemetry, and Multi-Function Touch Display
- Removes the need for splitters and CAN02
- Lifetime customer support

Package Contents

Product Code	Description
VBCANHUB-V1	VBOX CAN Hub – Unit Only
2 x RLCAB005-018	VBOX Connection cable (Lemo 5W Plug – Lemo 5W Plug), 0.18 m

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Inputs and Outputs



Port	Connector	Use
PWR	2-Pin LEMO	Power - Power input to CAN hub and VBOX. VBOX 3i is powered from the CAN hub, no need to connect two power cables.
CAN 1/ CAN 2	5-Pin LEMO	Either port can be used for Racelogic Module input or VBOX CAN output. Both ports are isolated.
DGPS	5-Pin LEMO	Dedicated serial port for DGPS/RTK corrections.
VB CAN / VB SER	5-Pin LEMO	2x VBOX 3i Link ports - Dedicated high-speed data and power links to the VBOX 3i.
SER	5-Pin LEMO	RS232 serial / telemetry port - Dedicated serial port for telemetry radios or serial connections to PCs.
VCI 1/ VCI 2	5-Pin LEMO	Either port can be used for CAN input or VBOX CAN output. Both ports are isolated.
MFD	5-Pin LEMO	Dedicated port for MFD Touch connection.
USB	USB B	Maintenance port - Used for firmware updates.

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