

# Bluetooth Module

(RLVBBT01)



The VBOX Bluetooth Module (RLVBBT01) is a general purpose Bluetooth adapter, designed as an alternative to using a hard-wired serial connection between the VBOX and either a Q3 display (recommended) or a Laptop PC equipped with a Bluetooth interface.

The RLVBBT01 module allows the user to place the VBOX in a safe, dry and convenient location, facilitating the free use of the Q3 display, either by hand or mounted, without any cabling restrictions.

The RLVBBT01 offers high speed serial communications at 115K baud rate, ensuring full data capture and transfer. It has minimal power consumption, resulting in insignificant drain on the VBOX power source – particularly useful when using a VBOX battery pack, in addition to 13 standard GPS channels.



## Features

- Bluetooth v1.2
- Wireless Data Communications
- Fast Baud Data Throughput
- External Antenna
- Up to 30m Range
- Low Current Consumption
- Compact Construction
- Lightweight
- IP30 Rated
- 3 x LED's for Operational Status Indication

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(RLVBTT01)



## Specification

<b>Input Voltage</b>	8-30VDC
<b>Current Consumption</b>	35mA typical; 90mA peak
<b>VBOX Connection</b>	2 x 5-way LEMO
<b>Range</b>	30m Line of sight
<b>Baud rate</b>	115k
<b>External antenna</b>	2.4GHz 50Ω (supplied) via SMA connector

## Environmental and Physical

RF Frequency	2400 – 2483.5 MHz
Temperature (Operating)	-20°C to +60°C
Temperature (Storage)	-40°C to +85°C
Enclosure	Milled Aluminium
Height	33mm
Width	60mm
Depth	112mm (including SMA antenna connector)
Weight	240g
Ingress Protection Rating	IP30

## Connector Pinout for both Lemo connectors

Pin	I / O	Description	Range
1	O	RS232 Rx	±12V
2	I	RS232 Tx	±12V
3	-	NC	
4	-	NC	
5	I	+V Power	8 – 30VDC
Chassis	I	Ground	

