

NTRIP Modem

(RLVBNTRIPMDM)



The Racelogic NTRIP Modem (RLVBNTRIPMDM) allows an RTK enabled VBOX, or third-party GNSS receiver, to receive positional correction data via NTRIP (Networked Transport of RTCM via Internet Protocol).

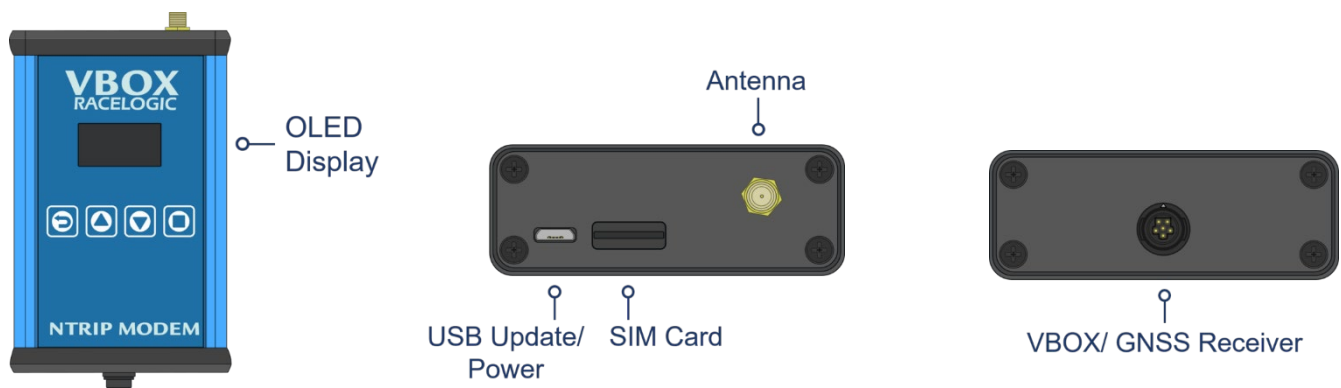
There are two methods of connecting to an NTRIP network with the modem: using either Wi-Fi or a 4G cellular connection. The NTRIP modem accepts a standard Mini SIM card and can also connect to a Wi-Fi hotspot, on a computer or mobile phone, to receive correctional data from your local NTRIP service provider via the internet.

The NTRIP modem is also capable of hosting a Wi-Fi access point, allowing configuration via a simple HTML interface that can be accessed using a web browser.



Key Features

- Integrated OLED screen which displays status and connection information
- Receive NTRIP corrections via internal 4G modem (using a standard Mini SIM card) or Wi-Fi hotspot (2.4 GHz only)
- Hosts a Wi-Fi access point to allow configuration via a simple HTML interface
- USB port for updating the unit or to supply power to the NTRIP modem if used with 3rd-party GNSS receiver
- 6 Way Hirose HR30 Connector



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Specifications

Environmental and Physical	
Operating Temperature	0°C to 65°C
Storage Temperature	-20°C to 80°C
Weight	234 g
Dimensions (mm)	142.4 (l) x 81.13 (w) x 27.8 (d)
Protection Rating	IP20

Power	
Supply Voltage	12 V DC (7V to 30V)
Protection	Over-voltage and reverse polarity protected
Power Consumption	<5 W

Cellular Module Features	
Frequency Bands	LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28 LTE-TDD: B38/B39/B40/B41 WCDMA: B1/B2/B4/B5/B6/B8/B19 GSM: B2/B3/B5/B8

Wireless Module Features	
Wi-Fi	IEEE 802.11b/g/n 2.4GHz
Access Modes	AP Mode (DHCP server) and Station mode (WPA and WPA2)
Internet Protocol	IPv4

Cellular Antenna	
Cellular Antenna Connector	SMA Female 50 Ω

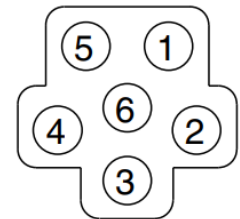
Serial Interface	
RS232	115200 Baud rate, 8N1, No flow control

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Pin Allocation for 6 Way Hirose HR30 Connector

Pin	Product Function
1	RS232 Rx (Data in to NTRIP Modem)
2	RS232 Tx (Data out of NTRIP Modem)
3	GND
4	Reserved
5	Reserved
6	Power



Dimensions



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Package Contents

Description	Product Code
NTRIP Modem Unit	NTRIPMDM-V1
6 Way Hirose to 5 Way Lemo - 2 m	RLCAB170
USB-A to USB Micro-B Fast Data Charger Cable	TTV2AMBBLK1M
Multi Band Antenna	ANTMSTUBSMAM