Connection and Interfaces

Connections and Interfaces

DL1TXV2, General Connections

Aux: For future functions (Not activated).

COM5: TTL serial 3.3V port for Mavlink output or transparent protocol and device communication.

Power Switch: ON/OFF switch for DL1TXV2.

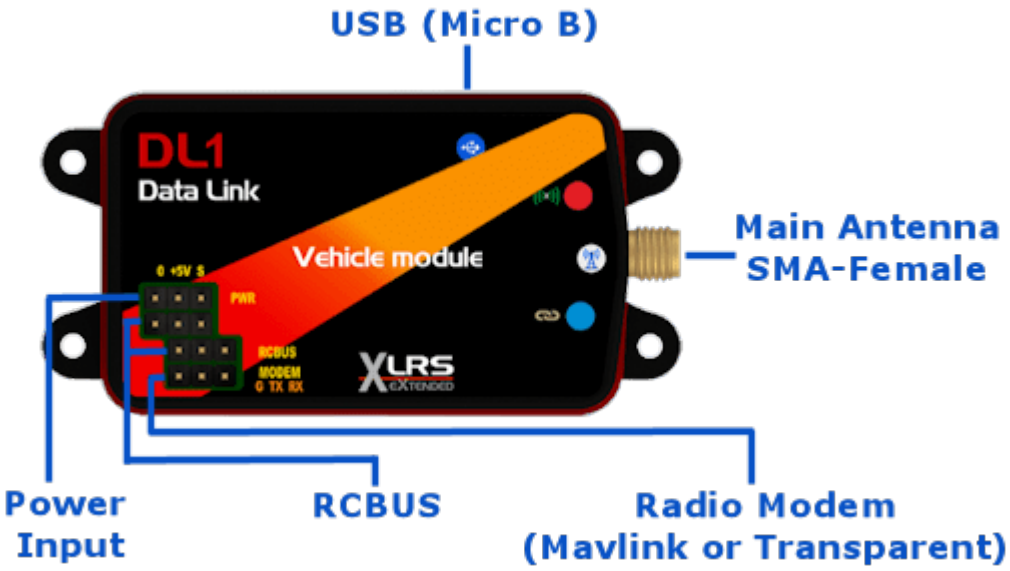
RCBUS: Communications between XLRS devices.

USB (Micro B): PC connection for Mavlink or transparent protocol, device communication through the COM port, update firmware and battery charge.

Wifi: (In preparation) For Mavlink or transparent protocol and device communication.

Main Antenna (433Mhz or 863-950Mhz): SMA-Female to connect directional antenna, normally BQ89 biquad antenna, MX433 moxon antenna or omnidirectional antenna. Don’t turn on the DL1TXV2 without connecting the antenna.

Encoder with Push Button: Configuration parameters of the device.**DL1RX, General Connections**



USB (Micro B): PC connection for Mavlink or transparent protocol, device communication through the COM port and update firmware. Don’t use USB to power the device.

Main Antenna (433Mhz or 863-950Mhz): SMA-Female to connect omnidirectional antenna. Don’t turn on the RXDL1 without connecting the antenna.

Power Input: 5V. Min 4,5V. Max 6Vcc. | **Consumption:** Standby 70mA. | **Max consumption:** TX(500mW) 540mA @12mS.

RCBUS: Serial communication XLRS devices.

Radio Modem: Serial Port, Transparent Data Link / Mavlink Telemetry. | In the aircraft or vehicle connect the «MODEM» port (GND, TX, RX) of the DL1RX receiver to the «TELEM» telemetry port of the autopilot (Pixhawk, APM…) or to the data port of other devices (UC, Arduino, Rapberry…).