

SDL2

EXTERNAL DATALINK

Reliable & Compatible, Extend Your RTK Coverage



EXTENDED COVERAGE FOR RTK SYSTEMS

The high-power transmit of SDL2 external datalink can guarantee stable and reliable RTK correction data transmission over a long distance. Adjustable from 5 to 28W, SDL2 can help your RTK tasks in diverse field conditions, improving the surveying efficiency in challenging environments.

HIGH COMPATIBILITY & FLEXIBILITY

Supporting various industry-standard protocols such as TRIMTALK, SATEL, etc., the SDL2 is highly compatible with multiple RTK receivers. It offers both RS232 and Bluetooth data transfer options, and operates within the 410-470 MHz frequency range, ensuring seamless connectivity across different devices and environments.

USER-FRIENDLY & RUGGED DESIGN

With an OLED display and simple button interface, the SDL2 allows for easy configuration and status checks directly on-site. Its IP67 protection and heat sink design guarantees durability for long periods of operation in harsh conditions, making it a reliable tool for extended outdoor work.

RF PERFORMANCE

Frequency Range	410-470 MHz
Channel Spacing	GFSK mode: 12.5 kHz, 25 kHz
Work Mode	Half-duplex
Frequency Stability	<±1.5ppm
Modulation System	GFSK/4FSK
RF power stability	±1.5dB
Adjacent channel power	>50dB

DATA TRANSMISSION

Air Baud Rate	9600bps/19200bps/38400bps/115200 bps
Serial Port Baud Rate	9600bps/19200bps/38400bps/57600 bps/115200bps
Protocol	TRIMTALK, TRIMMK3, TRANSEOT, SATEL, etc.
Data Interface	- Lemo 5-pin connector, support RS232 - Bluetooth

ELECTRICAL

Input Voltage	9 - 16V DC
RF Transmit Power	High power (28W): 44.5±0.7dBm @DC12V Medium power (22W): 43.4±1.0dBm @DC12V Low power (5W): 37±1.8dBm @DC12V
Power Consumption (typical)	High transmit power (28W): 83W @12V DC Medium transmit power (22W): 60W @12V DC Low transmit power (5W): 35W@12V DC Standby: 2W@12V DC

PHYSICAL

Size	175×130×86.5mm
Weight	2 kg
User Interaction	- 1 OLED screen - 5 buttons - 3 status indicators
Antenna Interface	TNC, female
Antenna Impedance	50 Ohm

ENVIRONMENTAL

Operating Temperature	-40°C ~ +65°C
Storage Temperature	-50°C ~ +85°C
Waterproof & Dustproof	IP67

All specifications are subject to change without notice.

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DEFAULT FREQUENCY LIST

Channel	Transmitting Frequency (MHz)
0	454.050
1	455.050
2	456.050
3	457.050
4	458.050
5	459.050
6	460.050
7	461.050
8	462.050
9	463.050