

D1-D

EXTERNAL DATALINK

High Compatibility, Cost Saving



HIGH COMPATIBILITY

The D1-D external datalink provides both transmit/receive work modes and supports all the common protocols like Transparent, TRIMTALK and so on, which is compatible with most radios on the market. With the D1-D in your agricultural system, you can use your existing GNSS receiver as a base station, largely saving your cost.

USER-FRIENDLY

Equipped with an intuitive front panel, users can easily check the work modes from the indicators and switch the frequency channels via the buttons. Automatic turn-on when power on, with anti-reverse polarity protection and wide voltage power supply, D1-D is convenient for farmers to use.

SUPERIOR PERFORMANCE

Featuring up to 19200bps air baud rate, the D1-D is suitable for full-constellation & triple frequency GNSS correction data transmission with large amounts of data. With IP66 protection level and anti-vibration design, the D1-D is not afraid of harsh environments.

GENERAL

| | |
|------------------------------|------------------------------|
| Frequency Range | 410-470 MHz |
| Channel Spacing | 25 kHz |
| Work Mode | Half-duplex |
| Frequency Stability | ≤ 1.0ppm |
| Modulation System | GMSK, 4FSK |
| Air Baud Rate | 9600bps/19200bps |
| Serial Port Baud Rate | 9600bps/38400bps/115200bps |
| Protocol Type | Transparent, TRIMTALK, South |
| Receive Sensitivity | -115dBm |
| Adjacent Channel Selectivity | >52dB @25KHz |
| Co-channel Rejection | >-12dB |

ELECTRICAL

| | |
|----------------|-------------------------------|
| Power Supply | +8V ~ +32V DC |
| Received Power | 0.5W |
| Transmit Power | - High: 3.3 W - Low: 2.7 W |

PHYSICAL

| | |
|-------------------|----------------------------------|
| Size | 126×71×30mm |
| Weight | 300g |
| Antenna Connector | TNC, 50 Ohm |
| Data Connector | Aviation connector to RS232 |
| Indicator | 3 indicators for Power, TX, RX |
| Button | 2 buttons for channels switching |

ENVIRONMENTAL

| | |
|------------------------|------------------------|
| Operating Temperature | -40 C to +70 C |
| Storage Temperature | -40 C to +85 C |
| Waterproof & Dustproof | IP66 |
| Shock | Survive from a 2m-drop |
| Humidity | 100% no condensing |

All specifications are subject to change without notice.

FREQUENCY LIST

| Channel | Transmitting Frequency | Receiving Frequency |
|---------|------------------------|---------------------|
| 0 | 445.05 | 445.05 |
| 1 | 460.0125 | 460.0125 |
| 2 | 461.0125 | 461.0125 |
| 3 | 462.0125 | 462.0125 |
| 4 | 463.0125 | 463.0125 |
| 5 | 464.0125 | 464.0125 |
| 6 | 465.0125 | 465.0125 |
| 7 | 466.0125 | 466.0125 |
| 8 | 467.0125 | 467.0125 |
| 9 | 434.05 | 434.05 |
| 10 | 435.05 | 435.05 |
| 11 | 436.05 | 436.05 |
| 12 | 437.05 | 437.05 |
| 13 | 438.05 | 438.05 |
| 14 | 439.05 | 439.05 |
| 15 | 440.05 | 440.05 |

| Channel | Transmitting Frequency | Receiving Frequency |
|---------|------------------------|---------------------|
| 16 | 441.05 | 441.05 |
| 17 | 442.05 | 442.05 |
| 18 | 443.05 | 443.05 |
| 19 | 444.05 | 444.05 |
| 20 | 445.05 | 445.05 |
| 21 | 446.05 | 446.05 |
| 22 | 447.05 | 447.05 |
| 23 | 448.05 | 448.05 |
| 24 | 449.05 | 449.05 |
| 25 | 450.05 | 450.05 |
| 26 | 451.05 | 451.05 |
| 27 | 452.05 | 452.05 |
| 28 | 453.05 | 453.05 |
| 29 | 454.05 | 454.05 |
| 30 | 455.05 | 455.05 |
| 31 | 456.05 | 456.05 |

The default frequency can be modified according to your specific requirements.