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.

+86-21-60835489
+86-21-60835497
singularxyz@singularxyz.com
www.singularxyz.com

SingularXYZ

SingularXYZ Intelligent Technology Ltd.
Floor 2, Building A, No. 599 Gaojing Road, 201702 Shanghai, China

D1-D EXTERNAL DATALINK

Version 05-05-2022

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℃ to +70℃
Storage Temperature	-40℃ to +85℃
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	Channel	Transmitting Frequency	Receiving Frequency
0	445.05	445.05	16	441.05	441.05
1	460.0125	460.0125	17	442.05	442.05
2	461.0125	461.0125	18	443.05	443.05
3	462.0125	462.0125	19	444.05	444.05
4	463.0125	463.0125	20	445.05	445.05
5	464.0125	464.0125	21	446.05	446.05
6	465.0125	465.0125	22	447.05	447.05
7	466.0125	466.0125	23	448.05	448.05
8	467.0125	467.0125	24	449.05	449.05
9	434.05	434.05	25	450.05	450.05
10	435.05	435.05	26	451.05	451.05
11	436.05	436.05	27	452.05	452.05
12	437.05	437.05	28	453.05	453.05
13	438.05	438.05	29	454.05	454.05
14	439.05	439.05	30	455.05	455.05
15	440.05	440.05	31	456.05	456.05

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

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