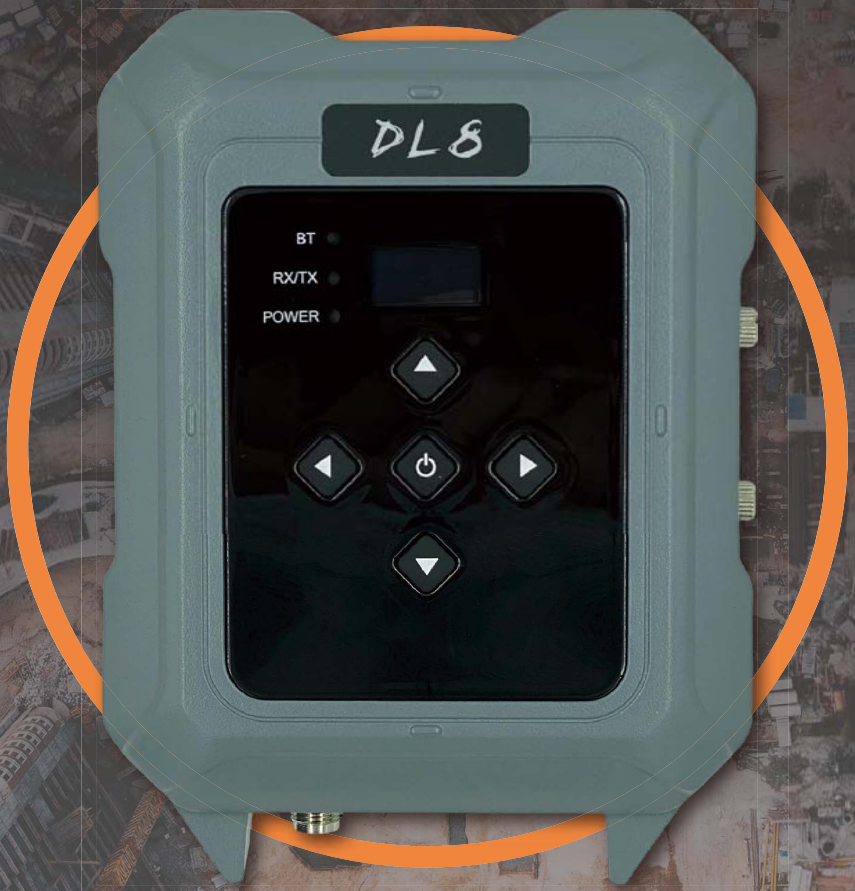
CHCNAV

DL8

GNSS RTK DATALINK



SURVEYING & ENGINEERING

RUGGED DATALINK FOR GNSS RTK APPLICATIONS

The DL8 is a UHF radio modem based on CHCNAV's technical expertise and extensive field work experience. With many innovative features, the DL8 provides reliable base-to-rover RTK GNSS corrections over long communication distances.

Commonly used frequency channels can be preset and the output power can be adjusted from 5 to 28 W according to the environmental constraints of the project. The customizable parameter setting function allows operators to easily start the DL8 radio modem by simply pressing the corresponding control buttons.

FIELD-PROVEN PRODUCTIVITY AT ITS BEST

The DL8 offers the highest level of performance and reliability for long-range GNSS application any harsh environment.

- High power UHF data link for GNSS applications.
- Configuration over a full 70 MHz frequency range.
- Six power levels adjustable from 5 W to 28 W.
- Channel spacing selectable at 12.5 kHz or 25 kHz.
- Support industry-standard UHF protocols.
- All-weather, water and dustproof rugged IP67 rating.

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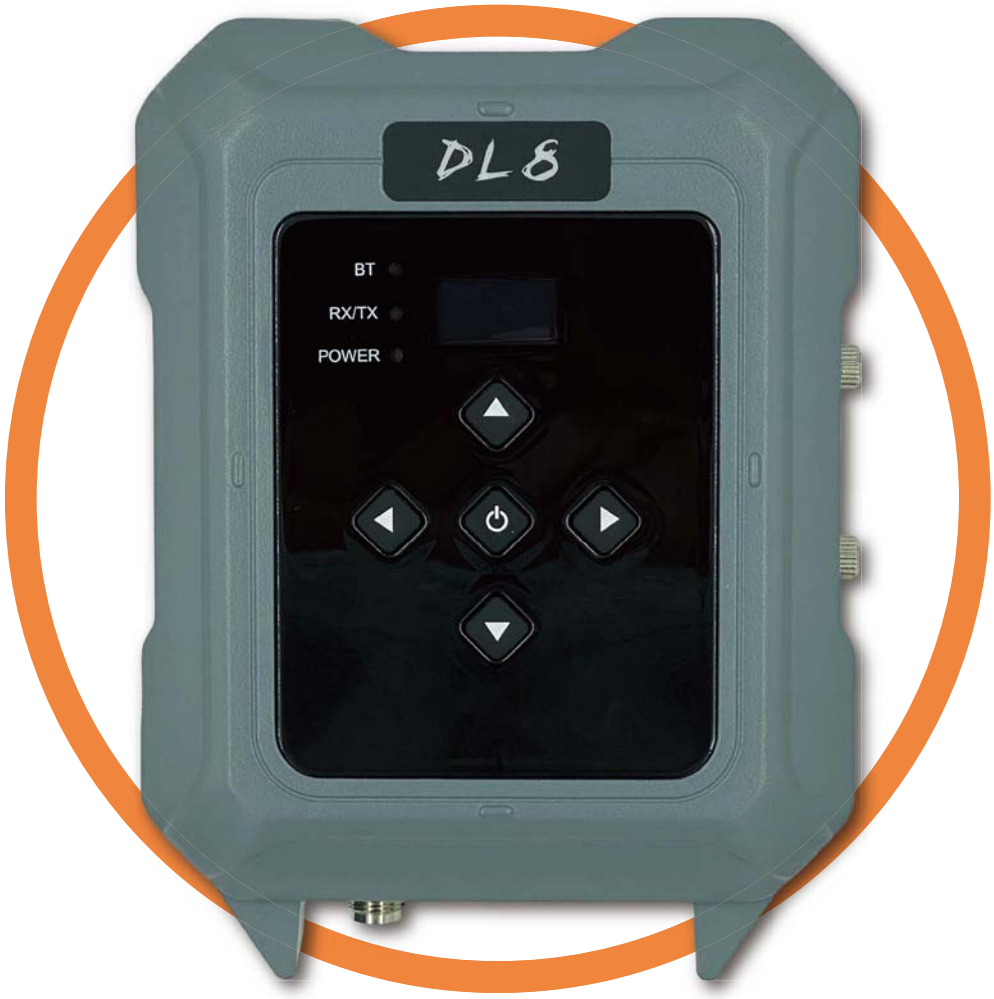
RUGGED
POWERFUL
RELIABLE



ADVANCED DATALINK FOR GNSS APPLICATIONS

SPECIFICATIONS

Radio specifications	
Frequency bands	410 MHz to 470 MHz
Transmit power	Low : 5 W / 10 W / 15 W High : 20 W / 25 W / 28 W
Link rate	4800 bps 9600 bps 19200 bps
Modulation	GMSK / 4FSK
Protocol	CHC, Transparent, TT450S
General Specifications	
Communication	1 x RS232 serial port, up to 115200 bps
User interface	1 LCD Display 5 control keys
Physical	
Size (L x W x H)	175 mm x 140mm x 65 mm (6.9 in x 5.5 in x 2.6 in)
Weight	2 kg (70.5 oz)
Environment	Operating: -40°C to + 65°C (-40°F to + 149°F) Storage: -50°C to + 85°C (-58°F to + 185°F)
Ingress protection	IP67 waterproof and dustproof, protected from temporary immersion to depth of 1 m
Ports	1 x 5-pin LEMO port (external power and data transmit) 1 x TNC port
Mount	Tripod bracket

Power	
External power	9 V DC to 16 V DC
Antenna	
External	50 Ohm, TNC female connector

*All specifications are subject to change without notice.

*The use of UHF datalink may be subject to local regulations. Users must ensure that the device is not operated without the permission of the local authorities on frequencies or power output other than those specifically reserved and intended for use without required permit.

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