

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.
- Support up to 200 editable channels

 **RUGGED
POWERFUL
RELIABLE**



ADVANCED DATALINK FOR GNSS APPLICATIONS

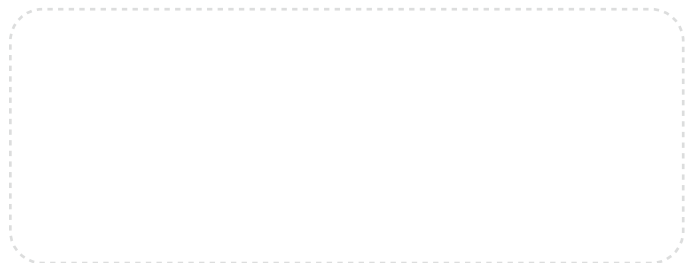
SPECIFICATIONS

Radio specifications	
Frequency bands	410 MHz to 470 MHz
Transmit power	Low : 2W / 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.



© 2020 Shanghai Huace Navigation Technology Ltd. All rights reserved. The CHC and CHC logo are trademarks of Shanghai Huace Navigation Technology Limited. All other trademarks are the property of their respective owners. Revision August 2020.

WWW.CHCNAV.COM | SALES@CHCNAV.COM

CHC Navigation Headquarter
Shanghai Huace NavigationTechnology Ltd.
599 Gaojing Road, Building D,
Shanghai, 201702, China ,
+86 21 54260273

CHC Navigation Europe
Infopark Building , Sétány 1, 1117
Budapest, Hungary
+36 20 235 8248 +36 20 5999 369
info@chcnav.eu

CHC Navigation USA LLC
16412 N 92nd Street, Suite 115,
85 260 Scottsdale, Arizona, USA,
+1 480 676 4306

CHC Navigation India
409 Trade Center, Khokhra Circle,
Maninagar East, Ahmedabad,
Gujarat, India
+91 90 99 98 08 02