

High-performance, high-power data radio station for surveying and mapping GNSS/RTK

35W DATA TRANSMISSION RADIO



The 35W high-power digital radio station is an advanced, high-speed, high-power wireless high-performance radio that is tailored for harsh field conditions and high-precision positioning measurements for GNSS/RTK operations in the field of surveying and mapping. The 5W/35W high and low power will ensure stable operation in complex terrain and urban environments. The versatile user interface simplifies configuration and is easy to operate.

FEATURES

- **WORK WITH VARIES BRAND RTK.**
 - *Compatible with TRIMBLE, South, CHC, HI-TARGET and other agreements (protocol can be customized)
 - *Connection to RTK of varies brands such as TRIMBLE, LEICA,SOUTH,CHC,HI-TARGET
 - **FULL FREQUENCY COVERAGE**
 - *410-470 hi-performance full frequency coverage, Frequency arbitrary configuration
 - *Selectable channels
 - **OPTIONAL TRANSMIT POWER**
 - *5W/35W Low and high transmit power for option. (Power can be customized)
- MULTI-FUNCTIONAL USER INTERFACE**
- * LCD display is clear
 - * Four key operation,easy and conveniece.
- **HIGH-INTENSITY STRUCTURE**
 - *Full metal structure resists 2 meters free fall
 - *Closed design resistant to 1 meter water depth soak

APPLICATIONS





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SPECIFICATIONS



Comprehensive performance index

Serial communication	1 RS-232, MAX. SPEED 115.2kbps
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POWER REQUEST

FROM EXTERNAL	DC9.0-16.00V, MAX. 6A
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USER INTERFACE

DISPLAY	Single digital tube and four indicator lights
KEYS	FOUR FUNCTION KEYS

Modem performance index

TRANSMISSION SPEED	19200 bps 9600 bps 4800 bps
PROTOCOL	TRIMBLE、SOUTH、CHC、HI-TARGET
FORWARD ERROR CORRECTION	YES

RADIO INDEX

FREQUENCY RANGE	410-470 MHz
FREQUENCY CONTROL	Intelligent 6.25KHz tuning resolution frequency stability: + / -1 ppm @ -40 TO +85°C
CHANNEL SPACE	12.5K AND 25KHz, Software synthesis
RF transmit power output	5W/35W LOW/HIGH POWER OUTPUT (POWER CAN BE CUSTOMIZED)

CIRCUMSTANCE INDEX

WATER/DUST PROOF	IP67
WORK TEMPERATURE (@35W)	-30 ° C to +55 ° C (-22 ° F to +131 ° F)
DATA STORAGE TEMPERATURE	-30 ° C to +85 ° C (- 22 ° F to +185 ° F)
VIBRATION INDEX	MIL-STD-810F

MACHENICAL INDEX

DIMENSION	14.5 cm L x 6.2 cm W x 17.5 cm H
NET WEIGHT	1.95 Kg (4.3 lbs.)
DATA/POWER	5-pin/ LEMO
ANTENNA ADAPTOR	50ohm, TNC