

**D32****Overview**

D32 high-power radio is an external high-power single-transmission digital radio station, which is specially developed for the surveying and mapping market and the application environment of precision agriculture. The product supports the 410-470MHz frequency band, and has the characteristics of long communication distance, low power consumption, intelligent and humanized design, and strong anti-interference ability. With high-definition OLED display, support menu operation, intelligent identification of serial port baud rate, intelligent identification of power-on status, interference detection and other functions.

**Feature**

- Serial port baud rate intelligent identification function  
The radio innovatively realizes the serial port baud rate intelligent identification function, which can be plug-and-play between different RTK devices without data cable configuration, and can be interconnected;
- Strong anti-interference ability  
For the working environment of the radio station, sometimes there will be interference signals, which will affect the working performance of the radio station. The radio has the function of intelligently identifying and avoiding interference signals, and intelligently selecting the optimal working channel, thereby improving the anti-interference ability of the radio station;
- Support OLED display configuration radio operation  
The radio supports users to configure radio parameters and query the status of the radio conveniently and quickly through the local display screen, so that users can choose corresponding functions according to their needs. For example, the current serial port baud rate, radio channel, etc., making it more convenient and quick for users to use the radio

## SPECIFICATION

MODEL	D32	
Frequency	410 ~ 470MHz	
Work Mode	Simplex	
Channel spacing	250KHz、 250KHz	
Number of channels	32 (0~31)	
Serial baud rate	115200bps、 57600bps、 38400bps、 19200bps	
Air baud rate	18000bps、 15000bps、 12000bps、 11000bps	
Modulation	LORA	
Voltage	9-16VDC	
Indicator light	Power Indicator, Launch Indicator, Firmware Upgrade Indicator	
button	Power switch button (OK button), up, down, left and right buttons	
Power Consumption (Typical)	Transmit high power (30W): 90W@12V DC	
	Transmitting medium power (22W): 72W@12V DC	
	Transmit low power (5W): 48W@12V DC	
	Standby: 3W@12V DC	
Transmit power	High power	35W
	Mid power	22W
	Low power	5W
Frequency stability	≤ ±1.0ppm	
size	175×130×87mm	
weight	2kg	
Protection	IP67	
storage temperature	-50~+85℃	
Operating temperature	-40~+65℃	
Antenna interface	TNC	
Radio distance	> 15KM	
Data interface	LEMO 5pin	
Transmitter performance specifications		
RF output power	(35W)	44.7±0.7dBm@DC 12V
	(22W)	43.4±1.8dBm@DC 12V
	(5W)	38±1dBm@DC 12V
RF power stability	±1dB	
Adjacent channel power	> 60dB	

Note: The above information is for reference only and may be varied at delivery. For the latest data, please contact us.

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