



A new generation of waterproof DMR vehicle radio. Large Hd touch screen, one touch response. Full metal body, sturdy and durable. ◆ Dual band, dual standby ◆ Dual mode (digital & analog) ◆ True 2-time slot



Features:

DMO Dual Time-slot Communication, multiply efficiency Realizes 2 talk paths on a frequency at the same time, multiply the efficiency and doubling the frequency utilization. Ensure real-time communication at peak service hours.

Digital voice, clear and loud

Digital Speech Error Correction Processing (AMBE+2™) enables voice with superior clarity and performance. Provide clearer voice quality than analog radios, regardless of the usage environment

Emergency Alarm

Emergency alarms have the highest priority and can be used to send alarms to companions and the control center when an emergency situation is encountered.

Full metal casing, military quality

All-metal housing design makes it robust and durable. High and low temperature resistance and fast heat dissipation ensure the all-day operation. Adaptable to work from -20~60°C. Be able to cope with a variety of harsh industrial environments.

Military Quality, Stable and Reliable

The product is IP67 and MIL-STD-810 C/D/E/F/G compliant; the quality testing includes drop, high and low temperature, humidity, dustproof, and vibration; the product still functions properly in busy commercial service when accidental drops or showers.

Digital-Analog compatibility, Value-added experience Support for compatibility with existing conventional analog products or systems, to ensure a smooth transition from analog to digital products, thereby improving product utilization.

VOX feature, release hands

The special VOX voice-activated feature can be voice triggered to make calls with audio accessories, which is particularly suitable for users who can't operate the PTT button to make calls.

Voice Encryption to Ensure Users' Communication Security The function provides basic voice encryption to safeguard users' communication security.

TFT HD color touch screen, easy and flexible operation TFT color display interface with visual icon display, capacitive touch, one touch response. No blind spots, sensitive touch.

More supplementary services to provide richer application experience

The hardware is newly upgraded to support a variety of services such as remote monitor, remote detection, call alert, remote kill, remote revive, etc., providing users with richer application experience.

Capacitive touch, one touch response

Adopt high sensitive touch screen to improve the screen touch accuracy. No blind spots, sensitive touch.



Full metal casing, military quality

430.97500

Menu VFO IIII MUTE Zone

PF2

FΜ

56

7 PORS 8 TUV 9 WXYZ

0 +

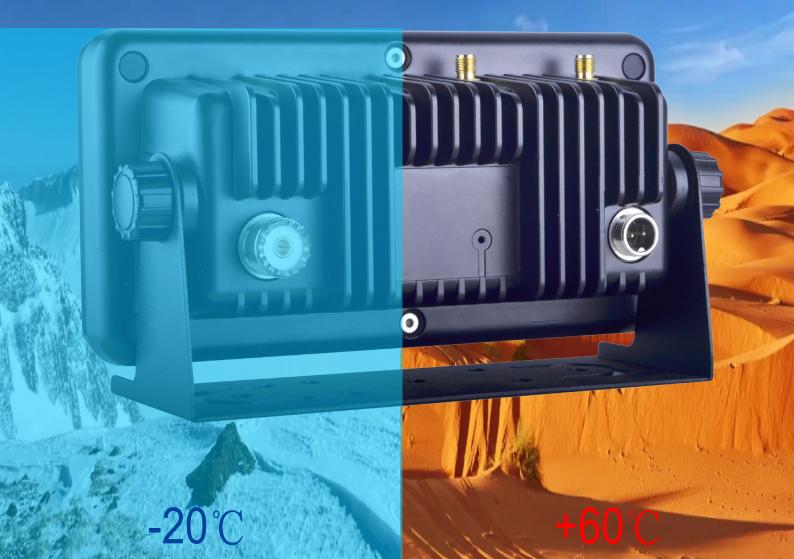
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PF1

BOK

Rugged and collision resistant

High and low temperature resistance ensures all-day operation. Be able to cope with a variety of harsh industrial environments.



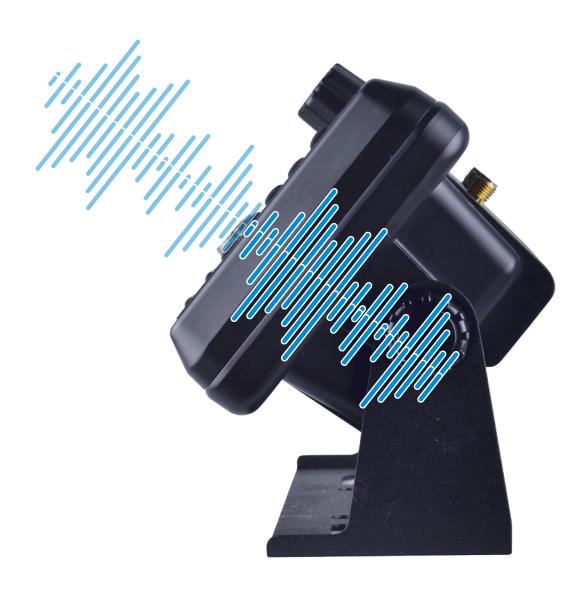
IP67 waterproof rating

Work easily in humid environments



I Al-based Voice Recognition Technology

The built-in 40mm diameter speaker and advanced AI-based Voice Recognition technology deliver louder, clearer audio by eliminating unwanted ambient noise, reducing distortion and suppressing whistling caused by other devices in close proximity to each other. Ambient noise will no longer slow down communications and users can hear and be heard wherever they are.



Bluetooth 5.0

CDR-500UV supports Bluetooth 5.0, which has fast connection, high compatibility, wide coverage, stabilization and lag-free, and no communication delay.

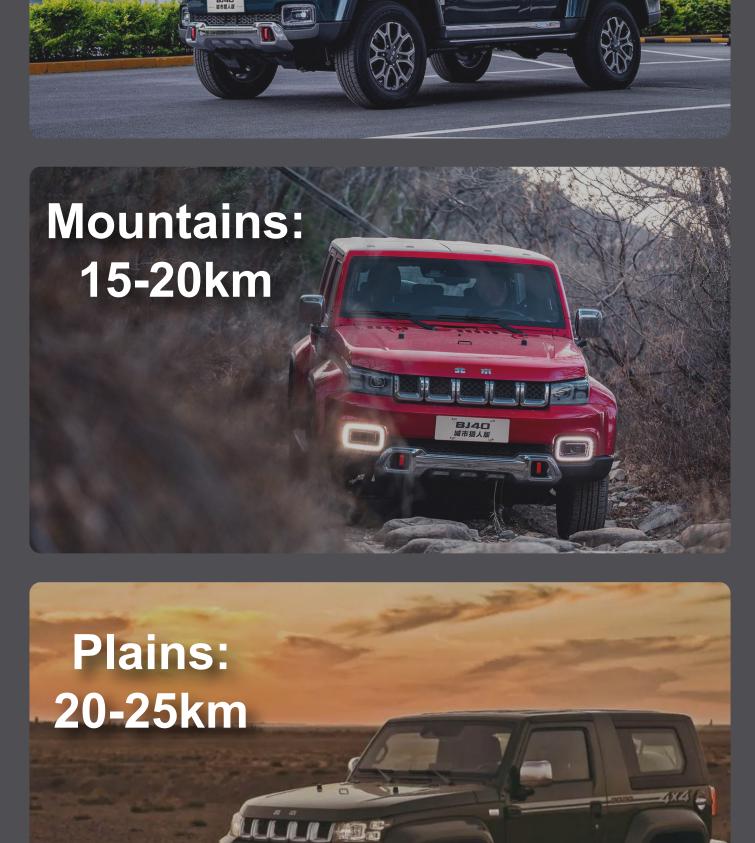


Suitable for use in a variety of environments

Dual Band, Dual Receiving Strong performance guaranteed

The 30W stable power in a compact structure gets sufficient communication distance. Suitable for use in various environments, such as cities, mountains, plains, deserts, etc.







Technical parameters

General specification

Items	UHF	VHF	
Frequency	400-480MHz	136-174MHz	
Channel Zone	1	16	
Channel Capacity	4000 (250 Ch	annels / Zone)	
Antenna impedance	50	50Ω 175x92x70mm DC: 13.8V	
Dimension	175x92		
Rated Voltage	DC:		

Note: The battery working life may have little difference. Battery capacity maybe change without notice, but the list is standard specification.

Receiver

Items	UHF	VHF
Frequency	400-480MHz	136-174MHz
Channel Spacing	12.5kHz/25kHz	
Frequency stability (-20℃、+60℃、+25℃)	+/-0.5ppm	
Analogue sensitivity	0.18µV	
Digital sensitivity(5% BER)	0.25µV / 0.2µV	
Intermodulation	65dB	
Adjacent channel selectivity	60dB@12.5kHz / 65dB@25kHz	
Spurious rejection	65dB	
Rated audio	500mw	
Audio distortion @rated audio	3%	
FM hum &noise	-40dB@12.5kHz / -45dB@25kHz	
Audio response	+1、-3dB	
Conducted / radiated emission	-57dBm	

Accessories:



Optional:



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Transmitter

Items	UHF	VHF
Frequency	400-480MHz	136-174MHz
Channel Spacing	12.5kHz/25kHz	
Frequency stability (-30℃、+60℃、+25℃)	+/-0.5ppm	
Low Power	10W	10W
High power	30W	30W
Modulation restriction	±2.5dB@12.5kHz / ±5.0dB@25kHz	
FM hum& noise	-40dB@12.5kHz / -45dB@25kHz	
Conducted/radiated emission	n -36dBm<1GHz / -30dBm>1GHz	
Adjacent channel selectivity	-60dB@12.5kHz / -65dB@25kHz	
Audio Response	+1、-3dB	
Audio Distortion	3%	
FM modulation 12.5kHz :11KOF3E 25kHz :16KOF3E		
	12.5kHz data: 7K60F1D and 7K60FXD	
4FSK digital modulation	12.5kHz audio: 7K60F1E and 77K60FXE	
	12.5kHz data and audio: 7K60F1W	
Digital vocoder	gital vocoder AMBE+2™	
Digital agreement ETSI-TS102 361-1、-2、-3		361-1、-2、-3

Main Fratures: Private Call

Group Call

All Call

Revive

Remote Monitor

Scan

• Kill

- - Prompt Tone On/Off

 - Three Programmable Buttons for long
 - pressing are available on the side.
- Call Alert • Roaming Low Power Voice/Icon Prompt Support Voice Prompt for Channel Switching or Function-Option