



D12 4W DMR & ANALOG PORTABLE RADIO



Rugged, Secure, Clear-Voice

Channel Alias

Allows the user to give each channel a user defined name.

Digital Encryption

Some radios have encryption built in so that other radio operators cannot listen in to your communications.

Voice Prompts

The radio actually talks to you in a human-like voice. You will hear the prompt spoken in plain relative language.

Repeater Capable

These radios are capable of being used with a repeater station, which can greatly increase your communications range and reliability.

Talk Around

A radio communicates through a repeater to bypass it and communicate directly to the radio on the other end of the connection instead.

AES 256 Encryption

AES-256 encryption uses the 256-bit key length to encrypt as well as decrypt a block of messages.

Noise Reduction (Optional Paid Feature)

Noise reduction is the process of removing noise from a signal, in order to improve background sound quality to be clearer.

Recorder (Optional Paid Feature)

The user enables to record and store short incoming audio, or record their own short message.



SPECIFICATION

General	
Frequency Range	400-470MHz
Channel Capacity	64
Zone Capacity	4
Channel Spacing	12.5/25kHz
Frequency Stability	±500Hz
Antenna Impedance	50Ω
Operating Voltage	DC 7.4V
Battery Capacity	1800mAh
Battery Life(5-5-90 Duty Cycle, High TX Power)	Analog: 11 hours Digital: 17 hours
Dimensions (ex ant, H×W×D)	132(H)×56(W)×35(D)mm
Weight	About 246g

Transmitter		Receiver	
Output Power	H:4.2±0.2W@7.4V L:1±0.2W@7.4V	Sensitivity(Analog)	-123dBm@12dB SINAD
Analog FM Modulation	12.5 kHz: 11K0F3E 25 kHz: 16K0F3E	Selectivity(Digital)	≤-117dBm(Eers5%)
Digital 4FSK Modulation	12.5 kHz data:7K60FXD 12.5 kHz data & voice:7K60FXW	Adjacent Channel Selectivity	≥60dB
Conducted/Radiated Emission	< -30dBm [< 1 GHz]; < -25dBm [> 1 GHz]	Inter Modulation Response Rejection	≥60dB
Modulation Limiting	±2.5kHz @ 12.5 kHz ±5kHz @ 25kHz	CSQ Hum & Noise	< -45 dB@25K; < -40 dB@12.5K
FM Hum & Noise	< -45 dB@25K; < -40 dB@12.5K	Rated Audio Power Output	≤1000mW
Adjacent Channel Power	≤-65 dB@25K ≤-60 dB@12.5K	Rated Audio Distortion	≤3%
Audio Response	+1dB ~ -3dB	Conducted Spurious Emission	< -57 dBm [< 1 GHz]; < -47 dBm [> 1 GHz]
Modulation Distortion	≤5%	Co-channel Rejection	≥-12dB
Digital Vocoder Type	AMBE+2	Block	≥84dB
Digital Protocol	ETSI-TS102361-1,-2,-3	Received Signal To Noise Ratio	< -45 dB@25K; < -40 dB@12.5K
Carrier Frequency Tolerance	±500Hz		

All specifications are subject to change without notice due to continuous development.

ACCESSORIES

STANDARD ACCESSORIES



TP003



BL004
(1800mAh)



CC001
(for BL009, BL010)



PC2003



PP1002

OPTIONAL ACCESSORIES



BL003
(1800mAh w/Type-C)



BL005
(2200mAh)



BR006
(3000mAh)



CC002
(for BL008, BL011)



LP005



EE003



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Name Card

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