



D13 4W DMR & ANALOG PORTABLE RADIO



Compact, Secure Communication

Channel Alias

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

Contact List

A contact list is a collection of screen names. To communicate with someone on the list, the user can select a name and act upon it.

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.

Private Call/Group Call/All Call

Private Call allows a radio user to place a call to just one user, Group Call provides voice call service in a group.

Remote Monitor

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

Recorder

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



SPECIFICATION

General	
Frequency Range	Version A:136-174 Version B:400-470
Channel Capacity	32
Zone Capacity	2
Channel Spacing	12.5/25kHz
Frequency Stability	±1.5ppm
Antenna Impedance	50Ω
Operating Voltage	DC 7.4V
Battery Capacity	1600mAh
Battery Life(5-5-90 Duty Cycle, High TX Power)	Analog:11h hours Digital:21 hours
Dimensions (ex ant, H×W×D)	119(H)×57.5(W)×36.5(D) mm
Weight	About 240g

Transmitter		Receiver	
Output Power	H:5.2W@7.4V L:1±0.2W@7.4V	Sensitivity(Analog)	0.2 μV@12dB
Analog FM Modulation	12.5 kHz: 11K0F3E 25 kHz: 16K0F3E	Selectivity(Digital)	0,25 μV(Ers5%)
Digital 4FSK Modulation	12.5kHz data only:7K60FXD/7K60F1D, data & voice:7K60FXW	Adjacent Channel Selectivity	≤-60dB@12.5KHz
Conducted/Radiated Emission	≤-30dBm	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@16Ω
Adjacent Channel Power	≤-60dB@12.5KHz	Rated Audio Distortion	≤5%
Audio Response	+1dB ~ -3dB	Conducted Spurious Emission	≥ 57dB
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	±1.5ppm		

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

ACCESSORIES

STANDARD ACCESSORIES



TP011



BL002



CC007



PC2001



PP1003

OPTIONAL ACCESSORIES



TP006



LP002



EE004



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Name Card

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