



## D41 4W DMR & ANALOG PORTABLE RADIO



### Compact, Durable, Clear-Voice

#### Channel Alias

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

#### Hands-free VOX

This hands-free feature allows you to get on with other manual tasks while you stay in touch with other users.

#### 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.

#### DTMF

DTMF is a technology that uses a combination of tones to perform a number of useful signaling operations.

#### Lone Worker

This safety feature requires operators to check in at certain intervals of time. If the user does not check in within that time frame, an alert is triggered.

#### Recorder (Optional Paid Feature)

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



## SPECIFICATION

General	
Frequency Range	400-470 MHz
Channel Capacity	1000
Zone Capacity	250
Channel Spacing	12.5/25kHz
Frequency Stability	±500Hz
Antenna Impedance	50Ω
Operating Voltage	DC 7.4V
Battery Capacity	1500mAh
Battery Life(5-5-90 Duty Cycle)	Analog:11 hours; Digital:15 hours
Dimensions (ex ant, H×W×D)	119(H)*59(W)*31.5(D) mm
Weight	About 198g

Transmitter		Receiver	
Output Power	4W/1W	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 / data & voice:7K60FXW	Adjacent Channel Selectivity	≥60dB
Conducted/Radiated Emission	< -36dBm [ < 1 GHz]; < -30dBm [ > 1 GHz ]	Inter Modulation Response Rejection	≥50dB
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



TP008



BL009



CC006



PC1001

### OPTIONAL ACCESSORIES



PC1010



LP002



EE004



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Name Card

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