



## D44 4W DMR & ANALOG PORTABLE RADIO



### Cost-Effective, Clear Voice, Easy to Use

#### 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.

#### SMS

This feature allows you to send SMS text messages to other people in the group.



## SPECIFICATION

General	
Frequency Range	400-470MHz
Channel Capacity	1024
Zone Capacity	250
Channel Spacing	12.5/25kHz
Frequency Stability	±1.5ppm
Antenna Impedance	50Ω
Operating Voltage	DC 7.4V
Battery Capacity	2200mAh
Battery Life(5-5-90 Duty Cycle, High TX Power)	Analog:15h hours Digital:23 hours
Dimensions (ex ant, H×W×D)	124(H)×58(W)×40(D) mm
Weight	About 270g

Transmitter		Receiver	
Output Power	4W/1W	Sensitivity(Analog)	0.2 μV@12dB
Analog FM Modulation	12.5 kHz: 11K0F3E 25 kHz: 16K0F3E	Selectivity(Digital)	0,25 μV(Ears5% )
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	≥85dB
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



TP004



BR003  
(2200mAh)



CC001



PC1003

### OPTIONAL ACCESSORIES



BR004  
(3000mAh)



BR005  
(3000mAh)



PC1004



PC3001



LP002



EE004



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Name Card

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