



## D42 4W DMR & ANALOG PORTABLE RADIO



3000CH, 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	Version A:136-174 Version B:400-480
Channel Capacity	3000
Zone Capacity	250
Channel Spacing	12.5/25kHz
Frequency Stability	±1.5×10 <sup>-6</sup>
Antenna Impedance	50Ω
Operating Voltage	DC 7.4V
Battery Capacity	2200mAh
Battery Life(5-5-90 Duty Cycle, High TX Power)	Analog:13 hours Digital:19 hours
Dimensions (ex ant, H×W×D)	133(H)×61(W)×40(D) mm
Weight	About 270g
Transmitter	
Output Power	4W/1W
Analog FM Modulation	12.5 kHz: 11K0F3E 25 kHz: 16K0F3E
Digital 4FSK Modulation	12.5 kHz data:7K60FXD 12.5 kHz data & voice:7K60FXW
Conducted/Radiated Emission	< -30dBm [ < 1 GHz ]; < -25dBm [ > 1 GHz ]
Modulation Limiting	±2.5kHz @ 12.5 kHz ±5kHz @ 25kHz
FM Hum & Noise	<-45 dB@25K; <-40 dB@12.5K
Adjacent Channel Power	≤-65 dB@25K ≤-60 dB@12.5K
Audio Response	+1dB ~ -3dB
Modulation Distortion	≤5%
Digital Vocoder Type	AMBE+2
Digital Protocol	ETSI-TS102361-1,-2,-3
Carrier Frequency Tolerance	±500Hz
Receiver	
Sensitivity(Analog)	-123dBm@12dB SINAD
Selectivity(Digital)	≤-117dBm(Eers5%)
Adjacent Channel Selectivity	≥60dB
Inter Modulation Response Rejection	≥50dB
CSQ Hum & Noise	<-45 dB@25K; <-40 dB@12.5K
Rated Audio Power Output	≤1000mW
Rated Audio Distortion	≤3%
Conducted Spurious Emission	< -57 dBm [ < 1 GHz ]; < -47 dBm [ > 1 GHz ]
Co-channel Rejection	≥-12dB
Block	≥84dB
Received Signal To Noise Ratio	<-45 dB@25K; <-40 dB@12.5K

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

## ACCESSORIES

### STANDARD ACCESSORIES



TP003



BP001



CC003



PC2002



PP1002

### OPTIONAL ACCESSORIES



LP001



EE001



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Name Card

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