



## D72 4W UV DMR & ANALOG PORTABLE RADIO



### Clear Voice, High-performance



#### Duan Band/Display/Standby/PTT

Radios with Dual Band capability can transmit and receive on both UHF and VHF radio bands, also dual display, dual watch and dual PTT.

#### Hands-free VOX

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

#### Digital Encryption

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

#### Repeater Capable

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

#### AES 256 Encryption

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

#### Recorder (Optional Paid Feature)

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

#### 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.

#### GNSS (Optional Paid Feature)

These two-way radios that have a GPS function can report the position of the radio.

## SPECIFICATION

General	
Frequency Range	136-174 & 400-470 MHz
Channel Capacity	3000
Zone Capacity	250
Channel Spacing	12.5/25kHz
Frequency Stability	±500Hz
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 280g

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



TP003



BP001



CC003



PC2002



PP1002

### OPTIONAL ACCESSORIES



BP002



LP002



EE004



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Name Card

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