

# RT43

DMR Digital Two Way Radio UHF 400-480MHz 5W

RETCV<sup>IS</sup>

## Feature:

- UHF Full-Frequency Radio
- Digital and analog compatible
- Digital signaling function
- High sound quality
- High/low power switch
- Supports the use of repeater
- Side buttons can be customized without changing the user' s operating habits



# RT43

DMR Digital Two Way Radio UHF 400-480MHz 5W

## Main technological specification:

Frequency range:	UHF:400-470MHz
Channel Capacity:	16CH
Channel Spacing:	12.5KHz
Operating Temperature:	-25℃~+60℃
Operating Voltage:	DC 7.4V
Antenna Impedance:	50Ω
Microphone Impedance:	2.2KΩ
Battery:	Li-ion DC7.4V 1400mAh
Dimension:	116×54×35mm ( no including antenna)
Weight:	316g

## Transmission:

Output power:	High:5W Low:1W
FM modulation:	25/16KϕF3E 12.5K/8KϕF3E
4FSK digital modulation:	12.5KHz for data:7K60FXD 12.5KHz for data and voice :7K60FXE
Vocoder type:	AMBE++or SELP
Digital Protocol:	ETSI-TS102 361-1,-2,
Harmonic:	≥70dB
Signal-to-noise Radio(wide/narrow):	25K≤-45 dB 12.5≤-40 dB
Rated audio Distortion:	≥5%
Frequency Stability:	±2.5ppm
Max Frequency Stability:	12.5K≤-40dB

## Reception:

Sensitivity (12dB SINAD):	Analog 25K≤-121dB 12.5K≤-119dB Digital 0.3μV/BER5%
Signal-to-noise Radio :	25K≥45 dB 12.5K≥40dB
Adjacent channel selectivity:	25K≥65 dB 12.5K≥60dB
Intermediation (Wide/ narrow):	25K≥60 dB 12.5K≥55dB
Spurious Response Rejection:	≥65 dB
Audio power:	1W
Audio distortion:	<5%
Frequency Stability:	±2.5ppm
Battery life under 5-5-90duty:	14.8 hours(with 1600mAh Li-ion battery) 20.9 hours(with 1600mAh Li-ion battery)

## Package includes:

- 1 x RT43 Two Way Radio
- 1 x Battery
- 1 x Sling
- 1 x Charging stand
- 1 x Antenna
- 1 x Belt Clip
- 1 x User Manual

CE FC RoHS 

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