

RETEVIS

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RT81



CE FC RoHS

DMR(TDMA) digital technology
Analog and digital combine
Compatible with Mototrbo Tier I & II
Private/Group/All call
10Watt ultra-high output power
IP67 waterproof



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MAIN FEATURE

Analog and digital combine	10Watt ultra-high output power	Enhanced encryption
DMR(TDMA) digital technology	Compatible with Mototrbo Tier I & II	Zone selection via side key
IP67 water proofed	Vox hand-free	Lone worker
Support firmware upgrade	Private/Group/All call	2200mAh Li-ion battery

SPECIFICATION

GENERAL

Frequency range	VHF:136-174MHz or UHF:400-470MHz	Antenna impedance	50 Ω
Channel	32 (2 Zone)	Audio output power	≤1000mW@16Ω
Channel spacing	12.5kHz/25kHz	Battery capacity	2200mAh standard Li-ion battery
Operating voltage	7.2V	Dimension (H*W*D)	4.96*2.83*1.46in(126*58*37mm)
Operating temperature	-30°C~+60°C	Weight(include battery)	295g/10.4oz
Store temperature	-40°C~+85°C		

TRANSMITTER

Frequency stability	±1.5ppm	4FSK digital modulation mode	12.5kHz (date only) 7K60FX
TX power	Low: 1W High: 10W		12.5kHz (date+voice) 7K60FX
FM noise	-40dB@12.5kHz	Modulation limit	2.5kHz@12.5kHz
Spurious emission	<-36dBm@1GHz, >-30dBm@	Audio response	+1dB~3dB
Adjacent channel selectivity	-60dBm@12.5kHz	Retard audio distortion	≤3%
FM modulation mode	12.5kHz:11F0F3E	Digital protocol	ETSITS102361-1, -1, -3
Vocoder type	AMBE+2TM		

RECEIVER

Analog sensibility	0.35μV/-116dB (20dB SINDA) / 0.22μV/-120dBm (Type)	Rated audio power	1W
		Audio response	=1dB~3dB
Digital sensibility	0.3μV/-117.4dBm (BER 5%) /0.22μV/-110dBm (BER1%)	Receiving spurious emissions	<-57dBm@1GHz >-47dBm@1GHz
Blocking	84dB	Rated audio distortion	3% (Type)
Adjacent selectivity	TIA603C:-65dB ETSI:60dB	Spurious Response	TIA603C:65dB ETSI:65dB

Note: Specifications will be revised without notice due to technical improvement. Thank you

Standard accessories



Adapter



Charger



Li-ion battery



Antenna



Belt clip



User manual



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