

RT81

CE FC RoHS

DMR
DIGITAL MOBILE RADIO ASSOCIATION

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
Double Time Slot



10W

CTCSS
DCS



RT81

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

GENNERAL

Frequency range	UHF:400-470MHz	Antenna impedance	50 Ω
Channel	32 (2 Zone)	Audio output power	$\leq 1000\text{mW}@16\Omega$
Channel spacing	12.5kHz/25kHz	Battery capacity	2200mAh standard
Operating voltage	7.4V		Li-ion battery
Operating temperature	-30°C~+60°C	Dimension (H*W*D)	4.96*2.83*1.46in (126*58*37mm)
Store temperature	-40°C~+85°C	Weight(include battery)	295g/10.4oz

TRANSMITTER

Frequency stability	$\pm 1.5\text{ppm}$	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	$<-36\text{dBm}@1\text{GHz}$, $>-30\text{dBm}@$	Audio response	+1dB~3dB
Adjacent channel selectivity	-60dBm@12.5kHz	Reted audio distortion	$\leq 3\%$
FM modulation mode	12.5kHz:11F0F3E	Digital protocol	ETSITS102361-1, -1, -3
Vocoder type	AMBE+2TM		

RECEIVER

Analog sensibility	0.35 $\mu\text{V}/-116\text{dB}$ (20dB SINDA) / 0.22 $\mu\text{V}/-120\text{dBm}$ (Type)	Rated audio power	1W
		Audio response	$\approx 1\text{dB}\sim 3\text{dB}$
Digital sensibility	0.3 $\mu\text{V}/-117.4\text{dBm}$ (BER 5%) /0.22 $\mu\text{V}/-110\text{dBm}$ (BER1%)	Receiving spurious emissions	$<-57\text{dBm}@1\text{GHz}$ $>-47\text{dBm}@1\text{GHz}$
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 batery



Antenna



Belt clip



User manual



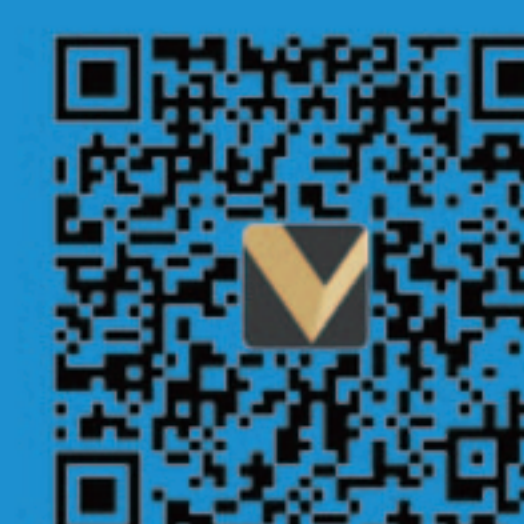
Shenzhen Retevis Technology Co.,Ltd.

7/F, 13-C, Zhonghaixin Science&Technology Park, No.12 Ganli
6th Road, Jihua Street, Longgang District, Shenzhen, China

Web:www.retevis.com

E-mail:kam@retevis.com

Facebook:facebook.com/retevis



MADE IN CHINA