



MD12-PLUS

Rugged-Reliable Two-way Radio



Reliable&Durable Digital Mobile Radio
(DMR/TDMA)

- Dual Mode(Analog & Digital)
- Digital Voice Encryption
- Remote Kill/Activation/Detection
- Waterproof & Dustproof IP66 (Optional)



MD12-PLUS

Handheld Two-way Radio

Main Features

- TOT(Time Out Timer)
- Auto Battery Save
- BCL(Busy Channel Lockout)
- Side Key Assignment Programmable
- VOX Programmable (10 Levels Selective)
- High/Low Power Output
- Talk Around
- PC Programming

Main Features(Digital)

- Individual Call, Group Call, All Call
- Voice Encryption
- Remote Kill/Activation/Detection
- 2 Time Slot

Main Features(Analog)

- CTCSS/DCS Code
- DTMF Encode&Decode

Accessories



Battery Pack



Antenna



Charger



AC Adapter



Belt Clip



Hand Strap

General

Frequency Range:	VHF136-174MHz / UHF400-470MHz
Channel Capacity	32 Channels
Operation Voltage	7.2V DC $\pm$ 10%
Channel Spacing	Alalog: 25KHz/20KHz/12.5KHz
	Digital: 12.5KHz
Antenna Impedance	50 Ω
Battery Capacity	1500mAh/2000mAh(Li-Ion Battery)
Battery Life (5-5-90 Duty Cycle)	About 15-20 Hours
Operating Temperature	-30°C - +60°C
Frequency Stability	$\pm$ 2.5ppm
Dimension(W*H*D)(Projections excluded)	53*28*116mm
Weight(Antenna & Battery Included)	265g

Transmitter (ETSI EN 300 086 Testing Standard)

Bandwidth	12.5KHz	
RF Power Output(High/Low)	5W	
Modulation(4FSK)	7K60FXD (Data Only)	7K60FXW(Data & Voice)
Spurious Emission	-36dB $\leq$ 1GHz	-30dB $\geq$ 1GHz
Adjacent Channel Power	$\geq$ 65dB	
Hum & Noise	$\geq$ 45dB	
Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.25KHz)
Digital Vocorder	AMBE +2 TM	
Modulation Distortion	Less than 5%	
Frequency Stability	$\pm$ 5ppm	

Receiver (ETSI EN 300 086 Testing Standard)

Sensitivity(12dB SINAD)	5% BER: 0.25 μ V
Adjacent Channel Selectivity	$\geq$ 65dB
Intermodulation	$\geq$ 60dB
Spurious Response Rejection	$\geq$ 70dB
Audio Response	+1~-3dB(0.3~3KHz)
Hum & Noise	$\geq$ 36dB
Audio Distortion	$\leq$ 5%
Audio Output	500mW with less than 10% distortion

Above specifications are tested according to TIA/FIA-603

Above specifications are subject to change without any notice due to technology enhancement.

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