



TH629 DMR Two-way Radio

- Full DMR Tier II & III Support Capability
- 1.77-inch TFT LCD Display
- 5 Watt Transmit Power
- AES128/256 Security Protection
- IP67 Protection Level
- Fully Compliant with CE & FCC Certification
- 85% Quick Charging in 1 Hour

SPECIFICATIONS

General	
Frequency Range	UHF 400 ~ 470MHz VHF 136 ~ 174MHz
Channel Capacity	1024
Channel Space	12.5KHz / 20KHz / 25KHz
Frequency Stability	±0.5ppm
Display	1.77-inch TFT LCD
Battery Capacity	2000mAh Li-ion
Work Voltage	7.4V
Dock Charger	Support
Security	ARC4 / DES64 / AES128/256
Vocoder	AMBE++
Dimension	115 × 54 × 30mm
Weight	300g (with Battery and Antenna)

Reliability	
Operation Temperature	-30°C ~ +60°C
Storage Temperature	-40°C ~ +85°C
IP Rating	IP67 (IEC60529)
Shock & Vibration	MIL-STD-810 C/D/E/F/G Standard
ESD Protection	±8KV (Contact) / ±15KV (Air)

Transmitter	
RF Power	UHF 4W (High) / 1W (Low) VHF 5W (High) / 1W (Low)
4FSK Modulation	7K60FXD (Data Only) 7K60FXW (Data and Voice)
FM Modulation	11KΦF3E@12.5KHz 16KΦF3E@25KHz
Adjacent Channel Power	≥ 60dB@12.5KHz ≥ 70dB@25KHz
Conducted and Radiated Emission	-36dBm < 1GHz -30dBm > 1GHz

Receiver	
Sensitivity	-121dBm @12dB SIND (Analogue) -117dBm @ BER 1% (Digital)
Intermodulation	≥ 65dB
Spurious Rejection	≥ 70dB
Blocking	90dB
Adjacent Channel Selectivity	60dB@12.5KHz 70dB@20 & 25KHz
Hum and Noise	≥ 40dB@12.5KHz ≥ 45dB@25KHz
Rated Audio	1W
Audio Distortion	< 3%

ACCESSORIES

					
Battery	Power Adapter	Antenna	Back Clip & Rope	Dock Charger	User Manual

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