



# TG-D8000



TG-D8000 is a high specification, top of the DPMR radio with up to 5KM distance in city mode. It adopts FDMA dual time slot, 4FSK modulation, and digital voice compression technology, so it has feature of clear voice, spectrum efficient, long communication range, strong anti-interference, power-save, Digital & Analog compatible, abundant voice data ect.



DIGITAL FEATURES	ANALOG FEATURES	
Double spectrum efficiency with FDMA	LCD display RX/TX/scan status	Automatic link
Multiple calling mode, Single call/Group call	Single call/Group call	Lone work
Analog + Digital dual mode	CTCSS/DCS	Voice prompt
Multiple emergency alarming modes	Preset automatic power off	Talk around
Battery power detection	PC programmable	Reverse
Digital kill/revive	Multiple scan mode	1750 code
Scrambler	H/M/L output power selective	Remote kill/ revive
Dual mode(Auto switch between Analog & Digital)	Tail tone elimination	Busy channel lock
Analog + Digital mixed-scanning	Built in VOX	Time-out timer(TOT)
Selective call(call 1, call 2)	Jacklight	Squelch level adjust
	PTT ID	DTMF code & decode

GENERAL		GENERAL	
Frequency range	UHF:400-470MHz	Operating Voltage	7.2V
		Antenna Impedance	50Ω
Channel	16	Operating Temperature	-25°C~+65°C
Channel Spacing	25 /12.5KHz	Frequency Stability	±2.5ppm
Battery	2800mAh Polymer Li-ion Battery	Weight(g)	256.5g
Size(mm)	133*60*38mm	Packing(pcs)	20 or 40PCS/CTN

TRANSMITTER		RECEIVER	
Output Power	5W	Sensitivity	-123dBm(12dB SINAD)/-119dBm
Modulation	11KΦF3E/14KΦF3E/16KΦF3E	Adjacent Channel Selectivity	60dB @ 12.5KHz/ 70dB @ 20/25KH
4FSK Digital Modulation	12.5KHz only data: 7K60FXD; 12.5KHz data and voice: 7K60FXW;	Intermodulation	70dB @ 12.5/20/25KHz
Conduction/radiated emission	-36dBm < 1GHz; -30dBm > 1GHz	Spurious Response Rejection	70dB @ 12.5/20/25KHz
FM Hum and Noise	40dB@12.5KHz; 43dB@20KHz; 45dB@25KHz;	Blocking	80dB
Adjacent Channel Power	60dB@12.5KHz; 70dB@20/25KHz	Rated Audio Power Output	0.5W
Audio Response	+1~-3dB	Rated Audio Distortion	≤3%
Audio Distortion	≤3%	Audio Response	+1~-3dB
Digital Voice Encoder	AMBE+2C	Conduction/transmission stray	< -57dBm
Digital Protocol	ETSI-TS102 361-1,-2,-3		

STANDARD ACCESSORIES	OPTIONAL ACCESSORIES
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Belt clip/ Charger/ Adaptor/ Battery/ Antenna



Data cable(COM)/ Headset/ Speaker