



GPS  
Optional

# MD-9600

## Digital Mobile radio (DMR)

Use Time-Division Multiple-Access (TDMA) digital function

Comply with digital protocol ETSI TS 102 361-1,-2,-3

Compatible with Mototrbo Tier I & II



**TYT**<sup>®</sup>



# MD-9600

## Digital Mobile radio (DMR)

### Main Functions

Use Time-Division Multiple-Access (TDMA) digital function  
 Comply with digital protocol ETSI TS 102 361-1,-2,-3  
 Compatible with Mototrbo Tier I & II

Analog and digital combined  
 Single call, group call and all call  
 ANI function  
 Encryption function  
 Remote kill/stun and activate  
 Short text message function  
 Call log check and edit function  
 Short text message check and edit function  
 Contacts check and edit function  
 PC programmable function  
 CTCSS/DCS encoding and decoding function  
 PC password protection function  
 Draft message edit function

250 zones, 16 channels for each zone  
 1000 channels  
 Color LCD display  
 Programmable functional keys  
 Voice prompt  
 Low voltage prompt  
 Upgradeable by firmware  
 Battery saving function  
 TOT  
 Emergency alert  
 SQL setting  
 Scanning function and priority scanning  
 Monitor function  
 VOX transmitting  
 Lone worker  
 Time and zone setting

### Application scope:

Tourism, entertainment, outdoor club, QUAD, Taxi company, Transportation, Police, public security

General		
Model No.	MD-9600	
Frequency Range(MHz)	VHF	UHF
	136-174 Mhz	400-480 Mhz
Channel	1000	
PLL Channel Spacing	6.25/25/12.5/25KHz	
Voltage Rating	DC 13.8V	
Operating Temperature	-30 C ~ +60 C	
Storage Temperature	-30 C ~ +85 C	
Dimension	143x50x175 mm	
Compatible With American Military Standard	(MIL-STD-810C/D/E)	

Receiver	
Frequency stability (-20 C ~ +60 C , +25 C )	+/-1.0ppm
Digital Sensibility	0.3uV/-117.4dBm(BER 5%) 0.7uV/-110dBm(BER 1%)
Analogue Sensibility	0.35uV/-116dBm(20dB SINAD) 0.22uV/-120dBm(20dB SINAD)
Rated audio	5W
Adjacent Channel Selectivity	TIA603C: 80 dB @ 12.5kHz ETSI: 60 dB @ 12.5kHz
Intermodulation	TIA603C: 65 dB ETSI: 65 dB
CO-channel Rejection	12 dB @ 12.5kHz
Spurious Rejection	TIA603C: 70 dB ETSI: 70 dB
Audio distortion @ rated audio	≤3%
FM Hum and Noise	-40dB @12.5kHz -45dB @25kHz
Audio response	+1dB~-3dB
Spurious emission	-57dBm@< 1GHz -47dBm@> 1GHz
Bolck	84dB

Transmitter	
RF Power Output	L:25W H:50W (VHF) L:25W H:45W (UHF)
FM Hum and Noise	-40dB @12.5kHz -45dB @25kHz
Modulation limited	+/-2.5kHz @ 12.5kHz +/-5.0kHz @ 25kHz
Conducted/radiated emission	-36 dBm < 1GHz -30 dBm > 1GHz < 4GHz
Adjacent channel power	-60 dB @12.5kHz -65 dB @ 25kHz
Audio Response	+1dB~-3dB
Audio distortion	3%
FM modulation	12.5kHz: 11KOF3E 25kHz: 16KOF3E
4FSK digital modulation	12.5kHz only data:7K00FXD 12.5kHz data and audio:7K00FXE
Digital Protocol	ETSI TS 102381-1, -2, -3
Digital vocoder type	AMBE+
Digital agreement	DMR



**Quanzhou TYT Electronics Co., Ltd**

Address: Block 39-1, Optoelectronics-information indus base, Nan'an, Quanzhou, Fujian, China

Website: [www.tyt888.com](http://www.tyt888.com) [www.tytera.com](http://www.tytera.com)

Nationwide Toll Free No.: **400-699-8858**