



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



# 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:60 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
Boick	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:7K60FXD 12.5kHz data and audio:7K60FXE
Digital Protocol	ETSI TS 102361-1, -2, -3
Digital vocoder type	AMBE++
Digital agreement	DMR



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