

# Tytera

## MD-380

DMR Digital two-way radio



Digital mode, single call,  
group call, all call function

- Remote kill/stun/activate
- Voice prompt
- Power-on protection
- Color LCD display
- Priority scan
- Encryption function
- Built-in CTCSS/DCS
- Up to 1000 channels

**DMR**  
DIGITAL TWO-WAY RADIO



# MD-380

# Tytera

## Use Time-Division Multiple-Access (TDMA) digital technology

### Main Functions

- Remote kill/stun/activate
- Voice prompt
- Power-on protection
- Color LCD display
- Text messages in digital mode,
- Encryption function
- Built-in CTCSS/DCS
- Up to 1000 channels
- Priority scan
- Complying with digital protocol ETSI TS 102 361-1, -2, -3
- Compatible with Mototrbo Tier I & II
- DTMF decoding and encoding
- Updated software available for new features
- Private call, group call, all call in digital mode.
- Operate in both Digital & Analogue mode, allows easily migrate from analog to digital.
- Provide clearer voice communications in digital mode, throughout the coverage area.

### General

### Transmitter

### Receiver

General		Transmitter		Receiver	
Frequency range	VHF: 136-174MHz UHF: 400-480MHz	Output power	High: $\leq 5W$ (HI) Low: $\leq 1W$ (Low)	Analog sensibility	0.35uV/-116dBm(20dB SINDA) 0.22uv/-120dBm(Type)
Channel	1000 Channels	Frequency Stability	$\pm 1.0PPM$	Digital sensibility	0.3uV/-117.4dBm (BER 5%) 0.22uv/-110dBm (BER 1%)
Channel Spacing	12.5KHz	Adjacent Channel Power	$\leq -60dB$	Co-channel Rejection	$> -12dB$
Operating Voltage	7.5V	Free Time Slot Power	TDMA: $\leq 57dBm$	Adjacent Channel Selectivity	TIA603C:65dB ETSI:60dB
Battery Type	Li-ion	Hum and Noise	-40dB@12.5KHz	Spurious Response	TIA603C:75dB ETSI:70dB
Operating Temperature	-30°C+60°C	Spurious Radiation	Antenna: 9KHz-1GHz $\leq -36dBm$ 1GHz-12.75GHz $\leq -30dBm$	Rated audio power	1W
Store Temperature	-40°C+85°C	FM Modulation Mode	12.5KHz: 11K0F3E	Audio response	=1dB~-3dB
Antenna Impedence	50 $\Omega$	4FSK Digital Mode	12.5KHz(data only):7K60FXD 12.5KHz(data +voice): 7K60FXE	Rated audio distortion	3%(Type)
Audio Output Power	$\leq 1000mW@16 \Omega$	Modulation Maximum Deviation	2.5KHz@12.5KHz	Spurious Radiation	Antenna: 9KHz-1GHz $\leq -57dBm$ 1GHz-12.75GHz $\leq -47dBm$
Battery capacity	1700mAh standard Li-ion battery	Nonactive Slot Power	-57dBm		
Dimension(H*W*D)	131*61*36mm	Digital Protocol	ETSI TS 102 361-1 -2 -3		
Weight	258g	Vocoder Type	AMBE+2TM		
		Audio Response	+1dB~-3dB		
		Modulation BER(Bit Error Rate)	$\leq 5\%$		

### Application scope:

Tourism, entertainment, restaurant, hotel, shopping hall Government, Police, public security



Authorized Reseller  
Buy Two Way Radios  
Address: 528 South Cherry Road, Rock Hill, SC 29732  
Phone: 800-584-1445  
Website: [www.buytwayradios.com](http://www.buytwayradios.com)



**Quanzhou TYT Electronics Co., Ltd.**

Address: Block 39-1, Optoelectronics-information industry 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**