

# TX-680

Transceiver TX-680AV

- Enhanced Encryption
- Remote Monitor
- Firmware Update
- Private/Group/All call
- 5 watt ultra-high output power
- Battery saving function
- End-tone elimination
- low battery prompt
- Programmable side key
- Talk around
- PC programming protection
- High/low power selective
- TOT
- Busy channel lock
- Wide/narrow bandwidth selective

**DMR**  
DIGITAL TWO-WAY RADIO



## TX-680 Use Time-Division Multiple-Access (TDMA) digital technology

### Main Functions

- Enhanced Encryption
- Remote Monitor
- 5 watt ultra-high output power
- Firmware Update
- Private/Group/All call
- Built In CTCSS/DCS
- Compatible with Mototrbo Tier1 & Tier2(Voice Only)
- Up to 32 Channels
- End-tone elimination
- low battery prompt
- Programmable side key
- Talk around
- PC programming protection
- High/low power selective
- TOT
- Busy channel lock
- Wide/narrow bandwidth selective

General		Receiver		Transmitter	
Frequency range	400-512MHz	Frequency range	400-512MHz	Frequency range	400-512MHz
More frequency available	136-174MHz	Channel spacing	12.5KHZ	Channel spacing	12.5KHZ
More frequency available	256	Frequency stability	+/- 1.0ppm	Frequency stability	+/-1.5ppm
Working voltage	7.2 V	Analog sensibility	0.35uV/-116dBm(20dB SINAD)	TX power	Low: 1W High: 5W
Working temperature	-30°C--+60°C	Digital sensibility	0.22uV/-120dBm(Typical)	FM noise	-40dB @ 12.5KHZ
Storage temperature	-40°C--+85°C	Spurious response	0.3uV/-117.4dBm(BER5%)	Spurious emission	<-30dBm@1GHz, >-30dBm@1G
Continuous working time	Anglog: 15 hours; Digital: 25 hours	Adjacent channel selectivity	0.7uV/-110dBm(BER1%)	Adjacent channel selectivity	-60dB @ 12.5KHZ
Battery capacity	2200mAh	Spurious response	TIA603C: 65dB ETSI:65dB	FM modulation mode	12.5KHZ:11 F 0 F 3 E
Optional	3000mAh	Adjacent channel selectivity	TIA603C: 60dB@ 12.5KHZ ETSI: 60dB@ 12.5KHZ	4FSK digital modulation mode	12.5KHZ(data+voice):7K60FX
		Spurious response suppression	TIA603C: 70dB ETSI:70dB	Modulation limit	2.5KHZ@ 12.5KHZ
		Receiving spurious emissions	<-57dBm@1GHz, >-47dBm@	Audio response	+1dB --3dB
		Blocking	84dB	Rated audio distortion	≤3%
		Rated audio power	1W	Digital protocol	ETSITS102361-1,-2,-3
		Audio response	+1dB --3dB	Vocoder type	AMBE+2TM
		Rated audio distortion	≤3%		

### Application scope:

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

### Standard Accessories

