

AnyTone®

DMR

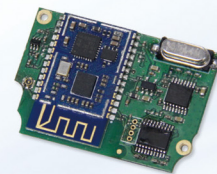
DIGITAL MOBILE RADIO ASSOCIATION



AT-D578UVIII PLUS

DMR and Analog UHF/VHF Radio

- Dual-mode(Digital+Analog)
- 1.77 inch color TFT screen
- 4000channels
- 10,000Talk Groups with 500,000 digital contacts
- ETSI DMR Tier I and II Compliant
- Auto-senses digital or analog reception
- Roaming function
- Cross band repeater function
- Dual RX simultaneously (Analog+DMR or Analog+Analog)
- GPS with Analog APRS Location Reporting and Digital APRS Location Reporting
- Analog APRS RX
- Airband RX
- Bluetooth



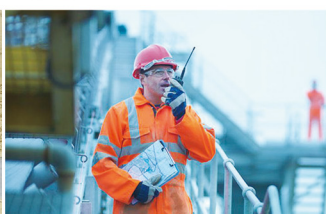
Built-in BT



BT PTT



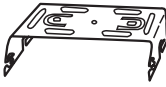
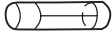
External GPS



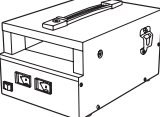
Specification

General		Transmitting Part		Receiving Part	
Frequency Range	144-148 MHz 420-450 MHz 222-225 MHz AM Air band 108-137MHz(RX only)	Power Output	Turbo 55W at 144-148MHz 40W at 430-440MHz	Sensitivity (12dB SINAD)	≤0.25 μ V (Wide Band) ≤0.35 μ V (Narrow Band)
Channel Capacity	4000 channels		High UHF/VHF 25W	Digital Sensitivity	0.3uV/-117.4dBm (BER 5%) 0.7uV/-110dBm (BER 1%)
Channel Spacing	25KHz (Wide Band) 12.5KHz (Narrow Band)		Middle UHF/VHF 10W 222-225MHz 5W	Adjacent Channel Selectivity	≥70dB (Wide Band) ≥60dB (Narrow Band)
Phase-locked Step	5KHz, 6.25KHz		Low UHF/VHF/225MHz 1W	Spurious Emission	≤-57dB (Wide Band) ≤-57dB (Narrow Band)
Operating Voltage	13.8V DC ±20%	Modulation limit	± 5.0KHz@25KHz (Wide Band) ± 2.5KHz@12.5KHz (Narrow Band)	Spurious Rejection	≥70dB (Wide Band) ≥70dB (Narrow Band)
Frequency Stability	± 2.0ppm	Adjacent Channel Power	≥70dB (Wide Band) ≥60dB (Narrow Band)	Blocking	84db
Operating Temperature	-20℃~ +55℃	Hum & Noise	≥40dB (Wide Band) ≥36dB (Narrow Band)	Hum & Noise	≥45dB (Wide Band) ≥40dB (Narrow Band)
		Spurious Emission	≥70dBc (Wide Band) ≥70dBc (Narrow Band)	Audio Distortion	≤5%
		4FSK Digital Modulation	12.5KHz (data) 7K60FXD 12.5KHz (data+voice) 7K60FXE	Audio Power Output	≥2W
		Audio Distortion	≤5%		
		Error rate	≤3%		

Standard Accessories

						
Microphone	Mobile Mounting Bracket	DC Power Cable with Fuse Holder	USB Programming Cable	Spare Fuses	Black screws (M4X8mm) 4PS	S-Washer
						
					Tapping screws (M5X8mm) 4PS	User Manual

Optional Accessories

			
External Speaker	Desktop Microphone	Power supply	Car Antenna

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