

## ANYTONE AT-D578 UVIII PLUS

The AnyTone AT-D578UVIII Plus Mobile Radio offers both DMR digital and analog communication and introduces an innovative DMR digital processing system. It offers great stability, and reliability, together with long distance communication as well as fashionable design and compact exterior lines. The AT-D578UVIII has Text Messaging, Recording, Voice Message, AES256 Digital Encryption, Emergency Alarm, Man Down Alarm, Work Alone, GPS, APRS

Frequency Range (Tx)	Europe: 144-146MHz(V), 430-440MHz(U) United State: 144-148MHz(V), 222-225MHz, 420-450MHz(U) Australia: 144-148MHz(V), 420-450MHz(U) Tri band: 144-148MHz(V), 222-225MHz, 420-450MHz(U)
Frequency Range (USA Rx)	Tri band 136-174MHz(V), 222-225MHz, 400-480MHz(U)
Channel Capacity	4000 channels
Channel Spacing	25KHz (Wide Band) , 12.5KHz (Narrow Band)
Phase-locked Step	5KHz, 6.25KHz
Operating Voltage	13.8V DC ±15%
Frequency Stability	±2.5ppm
Operating Temperature	-20°C ~ +60°C
Size	188x141x40mm (radio only)
Weight	1.04kg (without accessories)

Location Reporting, Roaming, Cross band repeater, Bluetooth, Analog DTMF, 2TONE, 5TONE, CTCSS/DCS encode/decode functions.



### SPECIFICATIONS:

#### TRANSMITTING SPECS:

	Wide band	Narrow band
Power Output	VHF: 60/25/10/1W, UHF: 45/25/10/1W	
Modulation	±5.0KHz@25KHz	±2.5KHz@12.5KHz
Adjacent Channel Power	≥70dB	≥60dB
Hum & Noise	≥40dB	≥36dB
Spurious Emission	≤-36dBm	≤-36dBm
4FSK Digital Modulation	12.5KHz(data)7K60FXD 12.5KHz(data+voice)7K60FXE	
Audio Distortion	≤5%	
Error rate	≤3%	

#### RECEIVING SPECS:

	Wide band	Narrow band
Sensitivity (12dB Sinad)	≤0.25μV	≤0.35μV
Digital Sensitivity	0.3uV/-117.4dBm (BER 5%) 0.7uV/-110dBm (BER 1%)	
Adjacent Channel Selectivity	≥70dB	≥60dB
Spurious Emission	≤-57dB	≤-57dB
Spurious Rejection	≥70dB	≥70dB
Blocking	84db	
Audio power output	≥45dB	≥40dB
Audio Distortion	≤5%	
Audio Power Output	2W/8Ω	

### FEATURES:

**Working Mode:** Full duplex on UU, UV, VV, VU, Dual RX (Analog+DMR or Analog+Analog)  
**True-2-slot:** Provide 2-slot communication which allows for 2 talk paths on 1 frequency; ETSI DMR Tier I and II compliant  
**Power:** VHF 50W/25W/10W; UHF 45W/25W/10W  
**DC Power Required to Operate:** 13.8 Volts & 18 Amps  
 Auto-senses digital or analog reception  
 4000 channels + VFO; 10,000 Talk groups with 500,000 digital contacts  
 Support Contact Manager  
**Display:** 1.77 inch TFT color LCD, dual display; dual PA; dual PTT  
**Bandwidth:** 12.5K/25K (Analog); 12.5K (DMR);  
 Weather Alerts  
 VOX Function: Digital Recording and Play  
 DTMF/2TONE/5TONE encode and decode  
 AES256 digital encryption; Zone selection  
 SMS via keyboard  
 Crossband repeater function  
 Ranging function between radios with GPS  
 Roaming function; Talker alias function  
 Emergency alarm (with GPS data transmission)  
 IP connect to Motorola Repeater  
 Duplexer Talk(Optional)  
 Call interrupt(Optional)  
**FCC ID:** T4K-D578UVIII  
 Built-In DMR Repeater Roaming Feature  
 VHF/UHF Tri-Band  
 High Power Output  
 Programming Cable  
 APRS/GPS Capable  
 Digital DMR & Analog  
 Bluetooth  
 Color TFT Display

