

Axiom



AXP510UT/VT

DMR

- Analog & Digital
- Vocoder AMBE++
- TDMA 2 Slots
- FCC Approved

Functions and Features

Efficient utilization, saving cost

TDMA allows two simultaneous conversations within a 12.5 kHz channel without any interference, which saves cost invested to frequency licenses and repeater systems.

Noise-free clear voice

Advanced Digital Audio Decoder and Digital Audio Error Correction technology, 40 mm diameter loud speaker for noisy environment.

Better compatibility

AXP510T is compatible with global mainstream DMR brands' terminals and systems. You can operate both in analog and digital mood, which helps users to reduce their cost to upgrade from analog to digital.

Accurate battery power annunciation

New designed battery capacity annunciating system can report the battery level from 1 to 5. Users can know current battery power, avoiding any inconvenience.

Longlasting service time

With TDMA technology, AXP510T enhances 40% service time more than analog Radios. 1600mAh battery ensures long time service.

Highest Quality Guaranty

Certified by CE
MIL-STD-810 C/D/E/F/G
Dust and water proof Class IP54



1.5 Ton Anti-pressure



Dust Proof



Water Proof



1.5 Meter Anti-dropping

Application



Outdoor Sport



Property Management



Education



Industry



Construction & Manufacturing



Entertainment

Standard accessories



Charger
AXBC-51



Li-ion battery
AXB-L1651 1600mAh



Belt clip
AXC-510



Antenna
AXA-D07-W01



Hand strap
AXR-255

Optional accessories



Stubby Antenna
AXA-D07-W02



Programming Cable
PCAXP510



NCM-PK1-RSM



NCM-PK1-EH



AXPS-CA6



Leather carrying case
AXH-L80



General

Model	AXP510UT/VT
Frequency Range	VHF: 136-174MHZ UHF: 400-470MHZ 440-480MHZ
Channel Capacity	16CH
Channel Spacing	12.5 kHz
Operation Temperature	-25 °C~+60 °C
Operation Voltage	7.4VDC
Antenna Impedance	50Ω
Microphone Impedance	2. 2KΩ
Standard	MIL-STD-810 C\D\E\F\G
Battery	Li-ion DC7.4V 1600mAh
Dimension	104.5 mm×52mm×28 mm
Weight	138g (Transceiver) /232g (With Battery and Antenna)

Receiver

Sensitivity Ana.(12dB SINAD)	25K≤-121dBm 12.5K≤-119dBm
SNR(Signal-To-Noise Ratio)	25K≥45 dB 12.5K≥40 dB
Adjacent Channel Selectivity	25K≥65 dB 12.5K≥60 dB
Intermodulation Rejection	25K≥60 dB 12.5K≥55 dB
Spurious Respond Rejection	≥65 dB
Audio Output Power	≥1000 mW
Sensitivity Digi.(12dB SINAD)	5% BER:3uV
Audio Frequency Distortion	≤5%
Frequency Stability	±2.5ppm
Battery Life (5-5-90 duty cycle)	14.0 hours (Analog); 18.2 hours (Digital)

Transmitter

Output Power	H: 5W(VHF) 4W(UHF) L: 1.5 W
Modulation	25K/16KΦF3E 12.5K/11KΦF3E
4FSK Digital Modulation	12.5 kHz Data 7k60FXD 12.5 kHz Data and Audio 7K60FXE
Digital Vocoder	AMBE++
Digital Protocol	ETSI-TS102 361-1,-2
Spurious and Harmonics	≥70 dB
Residual Freq.Modulation	25K≤-45 dB 12.5K≤-40 dB
Audio Frequency Distortion	≤5%
Frequency Stability	±2.5 ppm
Max.Frequency Deviation	25K≤5 kHz 12.5K≤2.5 kHz



Axiom Authorized Dealer



ISO 9001:14001



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