

General	
Frequency Range	VHF: 136-174MHz UHF: 360-400MHz 400-470MHz 440-480MHz
Channel Capacity	16CH
Channel Spacing	25 kHz/12.5 kHz
Operation Temperature	-25 °C~+60 °C
Operation Voltage	7.5 VDC
Antenna Impedance	50Ω
Microphone Impedance	2.2KΩ
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 as 5-5-90 duty	14 Hours

Transmitter	
Output Power	H: 5W(VHF) 4W(UHF) L: 1.5 W
Modulation	25K/16K⊕F3E 12.5K/8K⊕F3E
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

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Dealer Area



A-510T

DMR

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

ABELL IS ABLE to ensure your professional wireless communication.

Functions and Features

Efficient utilization, saving the 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.

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 timely, avoiding any inconvenience caused by low battery in daily use.

Noise-free clear voice
 Advanced Digital Audio Decoder and Digital Audio Error Correction technology, 40 mm diameter loud speaker for noisy situation.

Longlasting service time
 With TDMA technology, A-510T enhances 40% service time more than analog Radios. 1600mAh battery ensures long time service.

Better compatibility
 A-510T 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.

Highest Quality Guaranty
 Certified by CE
 MIL-STD-810 C/D/E/F/G
 Dust and water proof Class IP56



1.5 Ton Anti-pressure



Dust Proof



Water Proof



1.5 Meter Anti-dropping

Application

Outdoor Sport

Estate Management

Public Utility

Industry

Construction & Manufacturing

Dining Entertainment



Standard accessories

BC-510
Rapid charger with switching power supply

AB-L1251
High capacity 1600mAh Li-Ion Battery

VHF/UHF Antenna

ABC-510P
Plastic belt clip

Optional accessories

TH-AE002
Earphone

AE-ATL
Acoustic tube earphone

AC-UL
USB Programming Cable

Car charger

AM-EL
Speaker Microphone

Leather carrying case

Hand strap

Multi-unit power switch supply CA-6