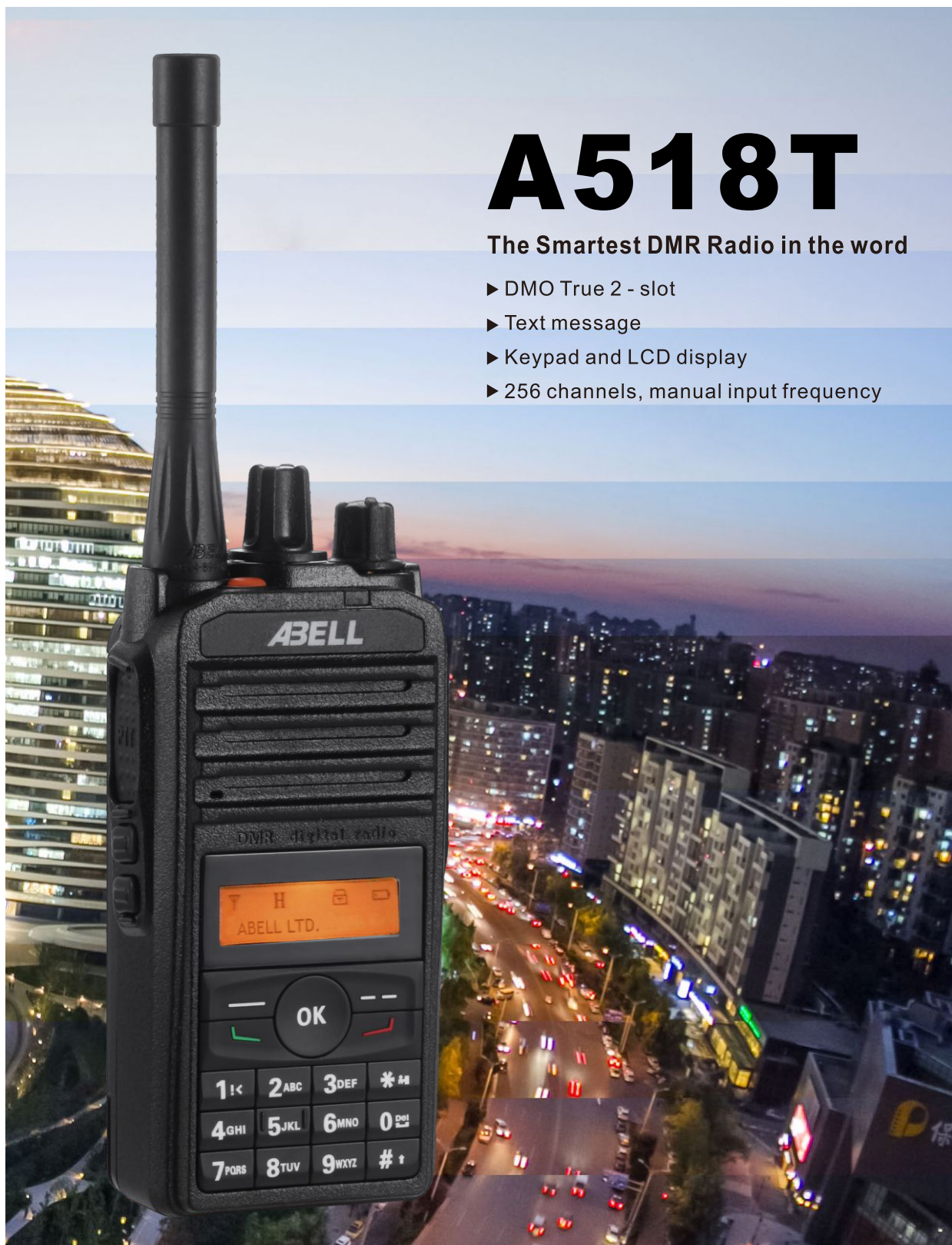


# A518T

The Smartest DMR Radio in the world

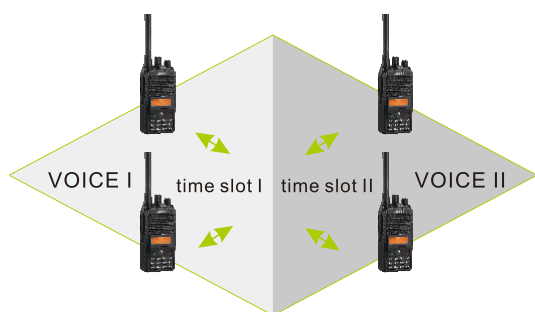
- ▶ DMO True 2 - slot
- ▶ Text message
- ▶ Keypad and LCD display
- ▶ 256 channels, manual input frequency



**ABELL IS ABLE** to ensure your professional wireless communication.

## ID DISPLAY

In the communication, A-518T screen can display the caller's ID in real time, so that the user can identify the caller in time.



## DMO True 2 - Slots

In direct mode, you can have two voice calls simultaneously from DMR 2 - slots. This feature can be used to increase the radio capacity at no extra costs or frequency license.

## ANALOG & DIGITAL DUAL MODES

A518T can support both analog and digital modes on the same hardware with the function of dual modes scanning. The feature can provide you a smooth transition from analog to digital to reduce the cost of updating your communication system.



## TELEPHONE INTERCONNECTION, REMOTE COMMUNICATION

Plug in program-controlled telephone lines in the R-80 port, the communication between telephone and A-518T can be achieved.

## Applications



Outdoor Sport



Property Management of Residence



Government and School



Factory And Mine Field



Construction Site And Light Industry



Hotel, Restaurant and Mall



## Standard Accessories



BC-51  
Charger



AB-L1651  
Li-ion Battery



Belt Clip



Short Antenna



Hand Strap

## Optional accessories



Long Antenna



Car charge



AM-EL(s)



CA-6



AE-DH(L.S)



AE-HS  
Earphone



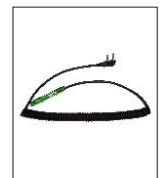
AE-ATS  
Acoustic tube  
earphone



AE-CS  
Earphone



Leather carrying  
case



AC-UL USB  
Programming  
Cable

## General Specification

Frequency Range	VHF: 136-174MHz UHF: 400-470MHz 470-512MHz
Channel Capacity	256CH
Channel Spacing	25 KHz/12.5 KHz
Operation Temperature	-25°C~+60°C
Operation Voltage	7.4VDC
LCD Resolution	128X32
LCD Size	10X32mm
Antenna Impedance	50Ω
Microphone Impedance	2.2KΩ
Battery	Li-ion DC7.4V 1600mAh
Dimension	104.5 *52*33.5mm
Weight	252g

## Receiver Specification

Sensitivity (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 immunity	25K≥60 dB 12.5K≥55 dB
Spurious Respond Rejection	≥65 dB
Audio Output Power	≥1000 mW
Sensitivity (Digital)	0.3 μV/BER5%
Audio Distortion	≤5%
Frequency Stability	±2.5ppm

## Transmitter Specification

RF Power	VHF H: 5 W L: 1.5 W UHF H: 4 W L: 1.5 W
Modulation Type	25K/16KΦF3E 12.5K/8KΦF3E
4FSK Digital Modulation	12.5 kHz Data 7k60FXD 12.5 kHz Data and Audio 7K60FXW
Digital Vocoder	AMBE++
Digital Protocol	ETSI-TS102 361-1,-2
Spurious and Harmonics	≥70 dB
Residual FM	25K≤-45 dB 12.5K≤-40 dB
Audio Distortion	≤5%
Frequency Stability	±2.5 ppm
Max. Frequency Deviation	25K≤5 kHz 12.5K≤2.5 kHz



Dealer Area

**ABELL INDUSTRIES CO., LTD**

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