

## Specifications

General	
Frequency Range	VHF: 136-174MHz; UHF: 350-390MHz/400-480MHz/450-520MHz
Channel Capacity	512
Zone	32
Channel Spacing	12.5KHz/25KHz
Working Voltage	7.4V (± 20%)
Battery	16/22 hours(2000mA)
Weight	239 g (include battery)
Dimensions	57(L)*32(W)*119(H)mm
Frequency Stability	± 1.5ppm
Antenna Impedance	50Ω
Transmitter	
Power Output	H: 5W; L: 1W
4FSK Modulation	12.5KHz (data only); 7K60FXD; 12.5KHz (data and voice); 7K60FXE
FM Modulation	12.5 KHz: 8K50F3E; 25 KHz: 16KΦF3E;
Modulation Limitation	+/- 2.5KHz @ 12.5KHz; +/- 5KHz @ 25KHz
FM Noise	-40dB
Spurious Emission	-36 dBm ≤ 1GHz / -30 dBm ≥ 1GHz
Adjacent Channel Power	≤ -60dB
Frequency Response	+1/-3dB
Audio Distortion	≤ 3%
Digital Vocoder	AMBE3000
Receiver	
Digital Sensitivity	5% BER; 0.25 uV
Analog Sensitivity	0.25 uV (12 dB SINAD)
Intermodulation	60dB
Adjacent Channel Selectivity	60dB
Spurious Suppression	60dB
FM Noise	-40dB
Frequency Response	+1/-3dB
Audio Power	1.5W
Audio Distortion	3% (typical)
Conduction Radiation	-57dBm
GPS Precision	Horizontal Accuracy ≤ -10m (with good signal)
TTFF (first location) Cold Boot	< 1 minute (with good signal)
TTFF (first location) Hot Boot	< 10second (with good signal)
Environmental Specifications	
Operating Temperature	-20°C ~ +60°C
Storage Temperature	-30°C ~ +85°C
Dust & Water Proof	IP67
Humidity	Per MIL-STD-810 C/D/E/F Standard
Shock & Vibration	Per MIL-STD-810 C/D/E/F Standard

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## BT-TD510/511/512

## ArroTop

### DMR DMR Portable

BelFone DMR IP67 portable radio TD510/511/512 enjoy the advantages of superior audio quality, an outstanding coverage, a long-lasting battery life and more. The pseudo trunking and two timeslots technologies greatly increase spectrum efficiency without any extra costs. Where safety is concerned, the built-in RC4 encryption technology helps to maximize communication privacy while the delicate orange emergency button together with such functions as Man-down, Lone Worker and GPS helps to optimize your workers' safety.

Mandown, Lone Worker, Emergency Alarms

IP67 for Dust & Water Protection

Advanced Encryption with RC4 Technology

DMO True 2-Slot, Allowing for 2 Talk Paths at 1 Frequency

Transmit Interrupt/Radio Priority for Emergency or Urgent Communication

Integrated High Precision GPS



גם בשפה העברית!



# ArroTop

BF-TD510/511/512

Commercial DMR Radios



## Highlights

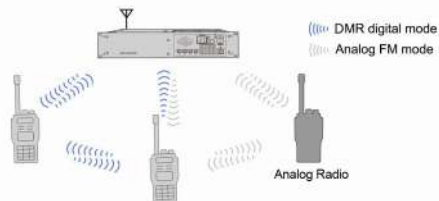
### DMO True 2-Slot

In direct mode these radios support two voice calls simultaneously due to DMR two timeslots, which means two communication paths on 1 frequency at no extra costs or frequency license.



### Digital/Analog Dual Modes

Receive both analog and digital signals on a single channel and can automatically switch into the needed mode for efficient communications.



### Personnel Safety

Mandown: If some worker slips or falls, the mandown function will automatically activate and transmit a signal to his colleagues for help. Built-in Lone Worker, and Emergency alarms are also available in case of any accident.



### GPS Positioning

You can track the precise GPS position of a terminal any time you want. You will know where all your workers are in realtime.

### Voice Recording

(32G memory—can record over 400 hours' communications)

Support voice recording and you can play the recording on your radio. This is a radio with a good and long memory.

### Radio Priority-Based Interruption

This function enables a radio with higher level to interrupt communications between radios with lower levels, giving higher priority to radios with higher levels. This means better dispatching efficiency.

### IP67 Protection

Tightly sealed against dust, spills, sprays and unexpected showers, ensuring outstanding performance in tough environments.



### Advanced Encryption with RC4 Technology

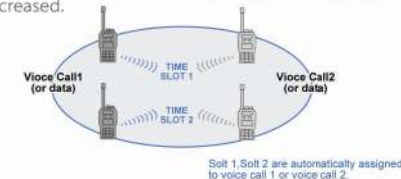
The RC4 encryption technology keeps your communications safe and private, optimizing your information safety.



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### DMO Pseudo Trunk

The user can choose slot 1 or slot 2 for communications. When one slot is occupied the radio will automatically switch into the free slot. Frequency efficiency is greatly increased.



## Standard Accessories



## Optional Accessories

