

## Specifications

General	
Frequency Range	VHF: 136-174MHz; UHF: 400-480MHz
Channel Capacity	1024
Zone	128
Channel Spacing	12.5KHz/25KHz
Working Voltage	7.4V ( ± 20%)
Battery Capacity	2200mAh
Weight	315 g (include battery)
Dimensions	56(L)*33(W)*129(H)mm
Frequency Stability	± 0.5ppm
Antenna Impedance	50Ω
Transmitter	
Power Output	H: 4W; 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@12.5kHz; 45dB@25kHz
Spurious Emission	-36 dBm ≤ 1GHz / -30 dBm ≥ 1GHz
Adjacent Channel Power	≤ -60dB
Frequency Response	+1/-3dB
Audio Distortion	≤ 3%
Digital Vocoder	AMBE ++TM
Receiver	
Digital Sensitivity	0.25 μV /BER5%
Analog Sensitivity	0.25 μV ( 12dB SINAD )
Intermodulation	65dB
Adjacent Channel Selectivity	60dB@12.5kHz/ 70dB@25kHz
Spurious Suppression	70dB@12.5kHz/ 70dB@25kHz
Blocking	84dB
Frequency Response	+1/-3dB
Audio Power	1 W
Audio Distortion	≤ 3%
Conduction Radiation	-57 dBm
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℃ ~ +60℃
Storage Temperature	-30℃ ~ +85℃
Dust & Water Proof	IP68

BelFone reserves the right to change or update the specifications without any prior notice. For more information please visit [www.belfone.com](http://www.belfone.com)



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To order in your local place, please contact:



## BF-TD930

### DMR DMR Portable

BF-TD930 is an upmarket digital two-way radio which incorporates such advanced features as Full Duplex Calls, Pseudo Trunk, IP68 Protection, ARC4& AES256 Encryptions, GPS Positioning, Mandown, Lone Worker, and Emergency Alert, delivering a most advanced and rich DMR radio communication experience. Moreover, BF-TD930 can work as a system portable terminal within both SDC and BTX systems. This safe and versatile radio is designed to benefit users from fields ranging from commercial users to public securities.

Mandown, Lone Worker, Emergency Alarms

IP68 for Dust & Water Protection

Advanced Encryption with ARC4& AES256

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



[www.belfone.com](http://www.belfone.com)



# BF-TD930

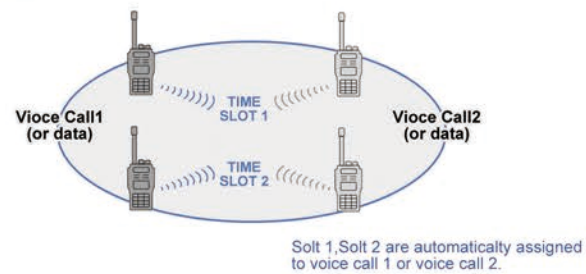
## Commercial DMR Radios



## Highlights

### 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.



### Full Duplex Calls

BF-TD930 incorporates full duplex calling technology to allow both parties to talk at the same time, which greatly facilitates the exchange of crucial information and increases communication efficiency.

### GPS Positioning

With better accuracy and precision, the built-in GPS enables the commander to locate and track his team members. This contributes a lot to personnel management and also promotes command and dispatch work as it equips the commander with clear location awareness.

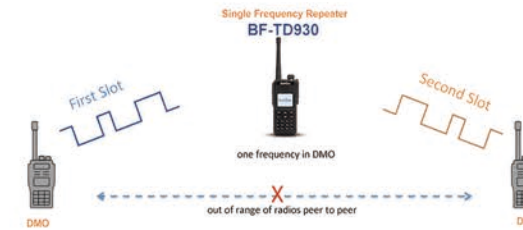
### Personnel Safety

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



### Handheld/SFR Dual Modes

BF-TD930 can also function as a single frequency repeater, allocating one timeslot to receive and the other to transmit at the same frequency and using DMO mode to further extend radio coverage. One single device serves two purposes.



### IP68 Protection

IP68 certified, BF-TD930 is a tough radio designed to brave the challenges of harsh environments. So, environmental factors are one less thing to worry about.

### Automatic Roaming

BF-TD930 automatically roams among all sites in the network and always stays connected. This delivers more efficiency and flexibility to your radio communications.

### Advanced Encryption with RAC4& AES256

The RAC4& AES256 encryption technology keeps your communications safe and private, optimizing your information safety.



## Standard Accessories



Battery



Belt Clip



Hand Strap



Stubby Antenna



Charger

## Optional Accessories



Whip Antenna



Super Charger



Programming Cable



Earpiece



Speaker Microphone