

SPECIFICATION

General	
Frequency Range	VHF: 136–174MHz; UHF: 350–400MHz/400–470MHz/450–520MHz
Channel Capacity	1024
Zone	64
Channel Spacing	12.5KHz/20KHz/25KHz
Working Voltage	7.4V (± 20%)
Battery	3400mAh
Weight	320 g (including battery pack)
Dimensions	56(L)*32(W)*136(H)mm
Frequency Stability	± 1.5ppm
Antenna Impedance	50Ω
Transmitter	
Power Output	H: 5W(VHF)/4W(UHF); L: 1W
4FSK Modulation	12.5KHz (data only): 7K6 FXD; 12.5KHz (data and voice): 7K6 FXW
FM Modulation	11K fF3E@12.5 KHz; 14K fF3E@20 KHz; 16K fF3E@25 KHz;
Modulation Limitation	+/- 2.5KHz @ 12.5KHz; +/- 5KHz @ 25KHz
FM Noise	40dB@12.5KHz/43dB@20KHz/45dB@25KHz
Spurious Emission	−36 dBm≤1GHz/−30 dBm≥1GHz
Adjacent Channel Power	60dB@12.5KHz/70dB@20/25KHz
Audio Response	+1/−3dB
Audio Distortion	≤3%
Digital Vocoder	AMBE++ or SELP
Digital Protocol	ETSI-TS102 361 –1 2 3 4
Receiver	
Sensitivity	Analog:0.22 uV (12 dB SINAD)/Digital:0.22 uV/BER5%
Selectivity TIA-603 ETSI	60dB @ 12.5KHz / 70dB @ 20/25KHz
Intermodulation TIA-603 ETSI	65dB @ 12.5/20/25KHz
Spurious Suppression TIA-603 ETSI	70dB @ 12.5/20/25KHz
Blocking TIA-603 ETSI	84dB
S/N	40dB @ 12.5KHz/43dB @ 25KHz/45dB @ 25KHz
Rated Audio Power Output	0.8W
Rated Audio Distortion	≤3%
Audio Response	+1~-3db
Conducted Spurious Emission	<-57dBm
Environmental Specifications	
Operating Temperature	-30℃~ +60℃
Storage Temperature	-40℃~ +85℃
Dust& Water Proof	IP68 Standard
Humidity	Per MIL-STD-810 C/D/E/F/G Standard
Shock & Vibration	Per MIL-STD-810 C/D/E/F/G Standard

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Dedicated to increasing the efficiency and reliability of missioncritical communications, BelFone is always on the way to offer responsive, flexible and reliable products. For more information about our products and solutions, contact us or visit us at www.belfone.com.



BF-TD950

Tier III Trunking Portable

- Full Duplex Calls
- GPS Positioning
- IP68 Protection
- A Long Battery Life
- Superior Audio Quality
- Personnel Safety
- Automatic Roaming
- Radio Priority-Based Interruption
- DMR Tier III Trunking Mode
- User Authentication





OVERVIEW

BF-TD950 is a full duplex DMR trunking portable radio with GPS, IP68 protection and MIL-STD-810 C/D/E/F/G Standard, which delivers outstanding performance even in harsh environments. The slim and robust body comes with a 2.0 inch HD color screen, enabling the user to read with ease regardless of the various light environments. Besides the conventional digital functions, BF-TD950 enjoys the advantages of a long battery standby time and full duplex calls. This is a professional radio to enrich your trunking experience.

HIGHLIGHTS AND BENEFITS

Full Duplex Calls

BF-TD950 incorporates the ground-breaking 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 member. This contributes a lot to personnel management and dispatching.

IP68 Protection

Our tough IP68 radio BF-TD950 is designed to brave the challenges of harsh environments. So, environmental factors are one less thing to worry about.

A Long Battery Life

With a battery capacity of 3400mAh, BF-TD950 can easily power you through your longest working day. BF-TD950 can work straight for 17 hours in trunking mode.

Superior Audio Quality

BF-TD950 incorporates advanced audio processing technology to effectively suppress background noise and enhance audio quality, delivering a most loud and clear audio.

Personnel Safety

Our intrinsically safe BF-TD950 comes with features like Man Down, Lone Worker and Emergency Alarm, to keep your staff safe and sound. Safety comes first!

Automatic Roaming

BF-TD950 automatically roams among all sites in the network and always stays connected. This delivers more efficiency and flexibility to your radio communications.

Radio Priority-Based Interruption

A radio with higher priority can interrupt communications between radios with lower priorities, either to transmit or just to clear a channel. This greatly facilitates commanding and dispatching.

DMR Tier III Trunking Mode

BF-TD950 is compatible with Belfone BTX/ETX Trunking System. When working in DMR Tier 3 Trunking mode, BF-TD950 can access a pool of radio channels which are dynamically allocated to users when required. This is more frequency efficient.

User Authentication

The inbuilt ESN authentication and standard authentication can effectively prevent illegal users from accessing BF-TD950. Both your missions and your information stay uninterrupted from the outside.



STANDARD ACCESSORIES



OPTIONAL ACCESSORIES

