



BF-TD522

DMR DMR Portable Radio

- Long Standby
- Emergency Alert
- Easy Operation
- Built-in Flashlight
- Smooth Transition

BelFone
Communications for Efficiency and Safety





OVERVIEW

BF-TD522 is a DMR portable radio designed for industrial and commercial users. With standby time as long as 24 hours, BF-TD522 can easily handle a long work day. This versatile radio also integrates emergency alert, built-in flashlight, VOX, and digital/analog dual modes to deliver more safety and efficiency.

HIGHLIGHTS AND BENEFITS

Long Standby

4000mAh battery capacity gives BF-TD522 superlong standby time. In DMR mode, a single charge can allow the user to talk for as long as 24 hours. Besides, BF-TD522 supports independent battery charging, so when one battery dies the user can instantly replace it with another and continue to work, which is convenient as well as flexible.

Easy Operation

BF-TD522 is designed to cater to the habits of commercial users, with the aim of delivering the best user experience. The programmable side buttons, the rich feature package and the ergonomic design, all strive to make operations easy and intuitive and to improve work efficiency.

Emergency Alert

BF-TD522 incorporates lone worker to safeguard your workers. When the user doesn't operate the radio for a preset amount of time, the radio will automatically send off an alert to call for help. Additionally, in case of emergency the user can send for help via the emergency alert button, which can be programmed. BF-TD522 cares about your safety as much as your efficiency.

Built-in Flashlight

Our cost-effective BF-TD522 comes with a built-in flashlight to enable the user to work in dark environments. BF-TD522 is radio and flashlight in one, making it an ideal tool for users like night patrol officers.

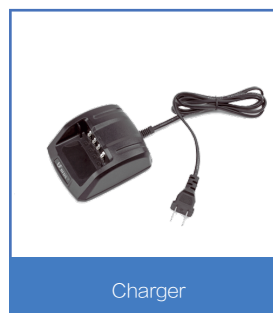
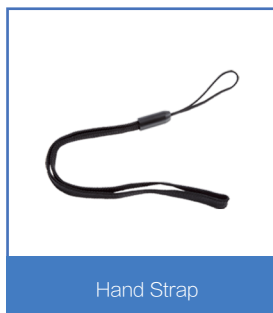
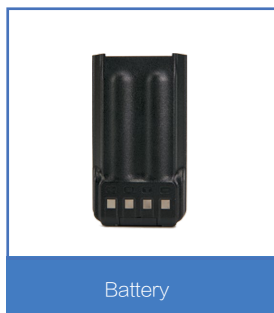
Smooth Transition

With digital/analog dual modes, BF-TD522 can switch between digital and analog networks, and is thus compatible with analog radios, which allows the user to retain the current analog infrastructures. Its digital mode supports rich voice services to make PTT communications more flexible and efficient.

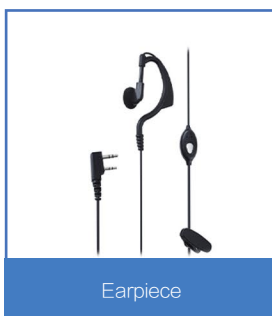
REGULAR FEATURES

- TOT/Scan
- Call Prompt
- Battery Status
- Battery Status
- Built-in Flashlight
- Digital Encryptions
- Repeater/ Talkaround
- Programmable Buttons
- Silence Unknown Callers

STANDARD ACCESSORIES



OPTIONAL ACCESSORIES



SPECIFICATION

General	
Frequency Range	UHF:400-480 MHz
Channel Capacity	256
Zones	16
Channel Spacing	12.5KHz/25KHz
Operating Voltage	DC 3.7V (± 20%)
Battery Capacity	4000mAh
Battery Life (5/5/90)	Digital: 24 Hours; Analog: 18 Hours
Frequency Stability	± 1.5ppm
Antenna Impedance	50Ω
Dimensions (L × W × H)	59 (L) *36 (W) *115 (H)mm
Weight	252g (Including Battery)
Transmitter	
RF Output Power	High:5W; Middle:3W; Low:1W
4FSK Modulation	12.5kHz Only data: 7K60FXD 12.5kHz data and audio: 7K60FXE
FM Modulation	12.5 kHz: 8K50F3E; 25 kHz: 16KΦF3E;
Modulation Limiting	+/- 2.5kHz @ 12.5kHz; +/- 5kHz @ 25kHz
FM Noise	-40dB
Conducted Emission	-36 dBm≤1GHz/-30 dBm≥1GHz
Adjacent Channel Power	≤-60dB
Audio Response	+1/-3 dB
Audio Distortion	3%
Digital Voice coder Type	AMBE
Receiver	
Digital Sensitivity	5% BER: 0.25 uV
Analog Sensitivity	0.25 uV (12 dB SINAD)
Intermodulation	60dB
Adjacent Channel Selectivity	60 dB
Spurious Response Rejection	60 dB
FM Noise	-40dB
Audio Response	+1/-3 dB
Rated Audio Output Power	500mW
Maximum Audio Output Power	1W
Audio Distortion	3% (Typical)
Conducted Spurious Emission	-57dBm
Environmental Specifications	
Working Temperature	-20℃—+60℃
Storage Temperature	-30℃—+85℃
Moisture Proof	MIL-STD-810C/D/E/F/G
Vibration & Shock	MIL-STD-810C/D/E/F/G

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