

Specification

General	
Frequency range	VHF:136-174MHz UHF:350-390 MHz UHF:400-470 MHz UHF:450-520MHz
Channel capacity	160 (standard can upgrade to 1024)
Zone	50
Channel step	12.5KHz/25KHz
Working voltage	7.5V
Battery capacity	2200 mAh
Battery working hours (5/5/90)	Digital 20 hours (GPS off) Analog 14 hours (GPS off)
Frequency stability	±1.5ppm
Antenna impedance	50 ohm
Size	133×62×35mm

Transmitter	
Output power	VHF high : 5.0W VHF low : 1.0W UHF high : 4.5W UHF low: 1.0W
4FSK modulation	12.5kHz data only: 7K60FXD 12.5kHz data and voice: 7K60FXE
FM Modulation	12.5 kHz: 8K50F3E; 25 kHz: 16K0F3E;
Modulation limitation	+/- 2.5kHz @ 12.5kHz; +/- 5kHz @ 25kHz
FM noise	-40dB
Spurious emission	-36 dBm < 1GHz / -30 dBm > 1GHz
Adjacent power	< -60dB
Frequency response	+1/-3 dB
Audio distort	3%

Receiver	
Digital Sensitivity	5% BER: 0.25 uV
Analog sensitivity	0.25 uV (12 dB SINAD)
Intermodulation	60dB
Adjacent selectivity	60 dB
Spurious suppression	70 dB
FM noise	-40dB
Frequency response	+1/-3 dB
Audio power	1.5W
Audio distortion	3% (typical)
Conduction radiation	-57dBm
GPS precision	Accuracy of position < -10m (with good condition)
TTF (first location) cold boot	< 1 minute (good signal)
TTF (first location) hot boot	< 10 seconds (good signal)

Working conditions	
Working temperature	-20°C—+60°C
Storage temperature	-30°C—+85°C
Damp proof	Comply with MIL-STD-810C/D/E/F
Shock and vibration	Comply with MIL-STD-810C/D/E/F
IP rate	IP56

BellFone reserve the right to change any specifications without warning due to the technology improvement. For more information, please visit www.belfone.com or contact marketing@bfdx.com



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BF-TD503 DMR Portable Radio

From the loud, clear speaker to the bright, color display to emergency call—TD503 make sure your workers' safe and work productive. IP56 rating (dustproof and submersible in water) let it be widely used in all kinds of environment. Compare with versatile function enhanced GPS, text messaging, emergency alarm, encryption it's cost is great efficiency. Full duplex enable it been used in your trunk system. You can smoothly migrate from analog to digital mode by it's two mode compatibility.



- ETSI DMR standard, open standard for interoperability
- Color display with keypad, easy to operate
- Superior HD Voice Quality with AMBE+2™ vocoder
- Support auto roaming of all site in IP connection system



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