



BF-TD506 DMR Portable Radio



Commercial business digital radios BF-TD506 is dedicated to business users, such as hotels, public securities, shopping malls, warehouses, construction sites and forestry. With built-in AMBE+2™ vocoder and FEC technology, it is able to supply superior HD voice quality by minimizing interference from the surrounding. With 20 hours battery standby time, BF-TD506 is also small, light and full of features. It is a smart choice to migrate to digital radios.



- Digital/analog mixed mode in the same channel, smooth migration from analog to digital
- Double spectrum capacity with DMR 2 slot in a 12.5KHz channel
- Intergrated voice and data
- Affordable for users who need economic digital communication solution



Features

Main Features

- TOT
- Scan
- Monitor
- Digital/Analog Dual Mode
- Auto Battery Saving
- Low Battery Alert
- Encryption

Digital Features

- Private Call
- Group Call
- All Call
- SMS
- Radio Check
- PTT ID
- Remote Kill/Revive
- Remote Monitor

Analog Features

- CTCSS/DCS
- Squelch Setting
- Narrow/Wide Band
- Talk Around
- Busy Channel Lockout
- VOX



Highlights

Mixed Digital/Analog mode

Receive both analog and digital signals on a single channel and automatically selects the received mode to reply to the received call.

Private Call, Group Call and All Call

Allows flexible communication to increase operational efficiency.

Excellent Audio Quality

Provides clear HD digital audio with AMBE+2™ vocoder and FEC technology.

Small Size and Light Weight

With a weight of 239gm, it is light and easy to carry during work.

Long Battery ServiceTime

In digital mode, it has a standby time of 20 hours.

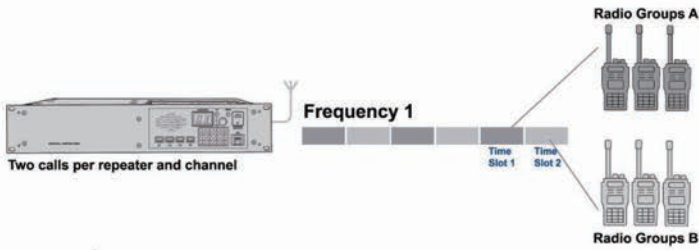
Remote Kill/Revive

Able to remotely disable any radios in the network that have been missing or lost.

Voice Encryption

Provides discreet communications with voice encryption function.

Two-channel Digital TDMA System

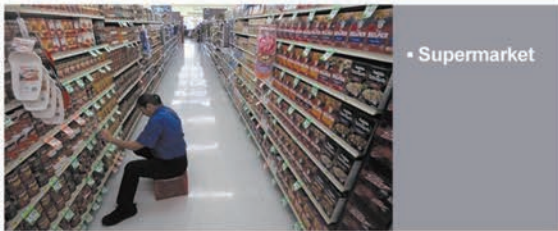


Digital/Analogue Mixed mode



Beyond Forward

Applications



Standard Accessories



Battery



Belt Clip



Hand Strap



Stubby Antenna



Charger

Optional Accessories



Programming Cable



Earpiece



Multi Charger



Remote Speaker Microphone

Specification

General	
Frequency range	UHF : 400-480MHz/450-520MHz/350-390MHz
Channel Capacity	32
Zones	2
Channel Spacing	12.5KHz
Voltage	DC 7.4V (±20%)
Frequency stability	±1.5ppm
Antenna impedance	50Ω
sizes	56 (L) * 32(W)* 109 (H)mm
Weight	239g(with battery)
Battery capacity	Real 1800mAh (Li-pol battery)
Average working hour (5/5/90)	High TX Power: Digital: 16 hours Analog: 12 hours Power Save Mode: Digital: 20 hours Analog: 16 hours
Transmitter	
Output power	High power: 4.5W Low power: 1.0W
4FSK Modulation	12.5kHz (only data): 7K60FXD; 12.5kHz (data and voice): 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	0.03
Digital Voice coder Type	AMBE+2™
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
Audio output	1.5W
Audio Distortion	3% (typical)
Conducted Spurious Emission	-57dBm
Environmental Specifications	
Working Temperature	-20 ℃ -+60 ℃
Storage Temperature	-30 ℃ -+85 ℃
Water proof	IP54

Belfone reserve the right to change any specifications without warning due to the technology improvement. For more information, please visit www.belfone.com



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ISO 14000:2004
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certified



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