

Specifications

General	
Frequency Range	UHF : 350-390MHz/400-480MHz/450-520MHz
Channel Capacity	32
Zones	2
Channel Spacing	12.5KHz
Working Voltage	DC 7.4V (±20%)
Frequency Stability	±1.5ppm
Antenna Impedance	50Ω
Battery Average Working Time (5/5/90)	Digital 18 hours; Analog 14 hours
Weight	259g (including battery pack)
Battery Capacity	Real 2000 mAh (Li-ion Battery)
Dimensions	35(L)x59.7(W)x114(H) mm
Transmitter	
Power Output	5W
4FSK Modulation	12.5KHz data only: 7K60FXD 12.5KHz data and voice: 7K60FXE
FM Modulation	12.5KHz: 8K50F3E
Modulation Limitation	+/-2.5KHz @ 12.5KHz +/-5KHz @ 5KHz
FM Noise	-40dB
Spurious Emission	-36 dBm≤1GHz -30 dBm≥1GHz
Adjacent Channel Power	≤-60dB
Frequency Response	+1/-3 dB
Audio Distortion	<3%
Vocoder	AMBE+2™
Receiver	
Digital Sensitivity	5% BER: 0.25 μV
Analog Sensitivity	0.25 μV (12 dB SINAD)
Intermodulation	60dB
Adjacent Channel Selectivity	60 dB
Spurious Suppression	60 dB
FM Noise	-40dB
Frequency Response	+1/-3 dB
Audio Power	1.5W
Audio Distortion	3% (typical)
Conduction Radiation	-57dBm
Environmental Specifications	
Working Temperature	-20℃ ~+60℃
Storage Temperature	-30℃ ~+85℃
Water Proof	IP54

BelFone reserves the right to change or update the specifications without any prior notice. For more information please visit www.belfone.com



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To order in your local place, please contact:



BF-TD516

DMR DMR Portable

BF-TD516 is a DMR entry level portable designed for traditional analog users who want to experience digital communications while still keep to their analog budgets. With a loud and crystal clear audio, a longer battery life, and of course a higher spectrum efficiency delivered by a 12.5KHz channel spacing, BF-TD516 gives you a whole package of basic digital features and a smooth transition. BF-TD516 is an ideal analog replacement for small businesses, such as hotels, restaurants, supermarkets, etc.

Analog/Digital Dual Modes--Smooth Transition

FEC& AMBE+2™ Vocoder--Clear Audio

Longer Battery Life--More Durability

Compatible with Motorola Analog Audio Accessories Kit--Better Flexibility



www.belfone.com



BF-TD516

Commercial DMR Radios



Highlights

Digital/Analog Dual Modes

BF-TD516 gives you a smooth transition from the analog world to the digital.

A Longer Battery Life

BF-TD516 can function for longer than any conventional analog radios, meeting the battery needs of a long-day operation.

Small Size and Light Weight

BF-TD516 is small and light enough to be held easily and comfortably in a single hand. It is also very easy to operate.

Excellent Audio Quality

The FEC technology and AMBE+2™ vocoder deliver a clear and crisp audio.

Private Call, Group Call And All Call (programmable)

The versatile calling functions bring more efficiency to your teamwork.

Scan/ Monitor (programmable)

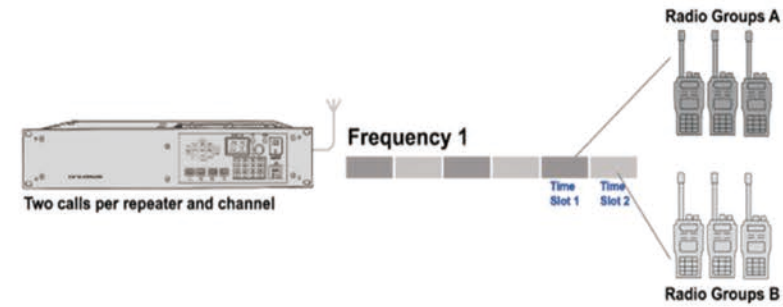
At a convenient push of a button you can monitor all the conversations on your channel or you can scan conversations on different channels.

Compatible with Motorola Audio Accessories

BF-TD516 is compatible with Motorola audio accessories. So, if you already have a Motorola analog earpiece or microphone, you can pair them with BelFone BF-TD516 and go hand-free.

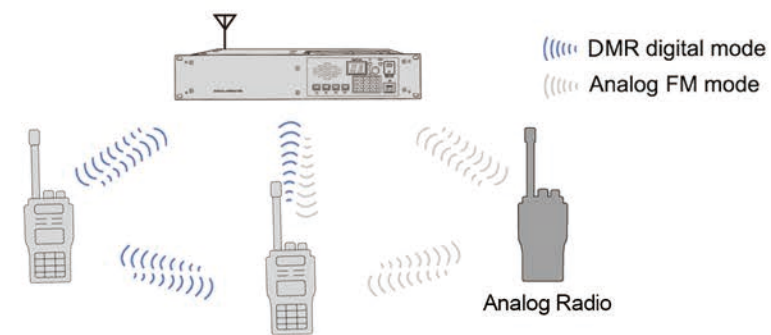
TDMA 2-Slot

In repeater mode this radio supports two voice calls simultaneously due to DMR two timeslots, which means two communication paths at 1 frequency with no extra costs or frequency license.



Digital/Analog Mixed Mode

Receive both analog and digital signals on a single channel and can automatically switch into the needed mode for efficient communications.



Standard Accessories



Optional Accessories

