

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 uV
Analog Sensitivity		0.25 uV (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)

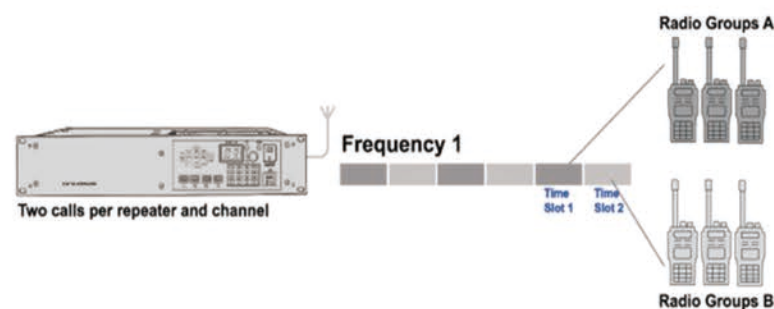
At a convenient push of a button you can monitor all the conversations on your channel or you can scan conversations on different channels.

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.

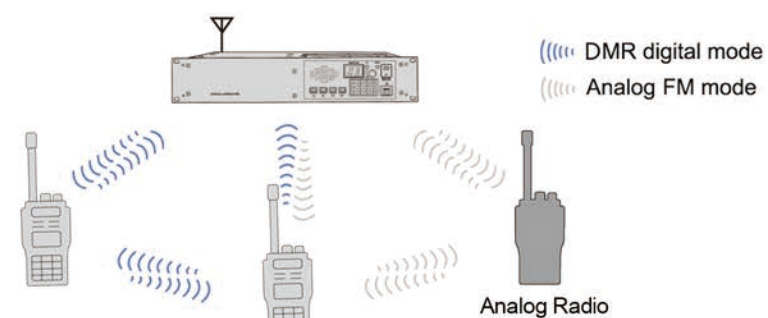
TDMA 2-Slot

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



Battery



Belt Clip



Hand Strap



Stubby Antenna

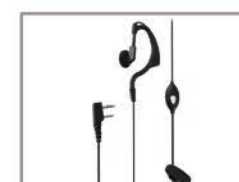


Charger

Optional Accessories



Programming Cable



Earpiece



Whip Antenna



Remote Speaker