

## Specifications

General	
Frequency Range	UHF: 350-390MHz/400-480MHz/450-520MHz
Channel Capacity	256
Zones	16
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	239g (including battery pack)
Battery Capacity	Real 2000mAh
Dimensions	61(L)×35(W)×117(H)mm
Transmitter	
Power Output	H: 5W / M: 3W / L:1W
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%
Receiver	
Digital Sensitivity	5% BER: 0.25 μV
Analog Sensitivity	0.25 μV (12 dB SINAD)
Intermodulation	65dB
Adjacent Channel Selectivity	60dB
Spurious Suppression	70dB
FM Noise	-40dB
Frequency Response	+1/-3 dB
Audio Power	500mW
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](http://www.belfone.com)



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## BF-TD520

### DMR DMR Portable

BF-TD520 is an entry level DMR handheld two-way radio and a perfect analog replacement for small businesses. This portable delivers a basic digital feature kit which includes superb audio, long battery life, and higher spectrum efficiency, enabling the user to experience digital communications and a smooth transition from analog to digital. This is a most cost-effective two-way radio for restaurants, hotels, shops other indoor users.

Analog/Digital Dual Modes--Smooth Transition

Longer Battery Life--More Durability

Compatible with Motorola Analog Audio Accessories Kit--Better Flexibility



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# BF-TD520

Commercial DMR Radios



## Highlights

### Digital/Analog Dual Modes

BF-TD520 gives you a smooth transition from the analog world to the digital.

### A Longer Battery Life

BF-TD520 can function for longer than any conventional analog radios, more than enough to power you through the day.

### Small Size and Light Weight

BF-TD520 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

As a digital radio, BF-TD520 delivers a clear and crisp audio, bringing an excellent digital audio experience.

### Private Call, Group Call And All Call (programmable)

The versatile calling functions bring more efficiency to your teamwork.

### Scan/ Monitor (programmable)

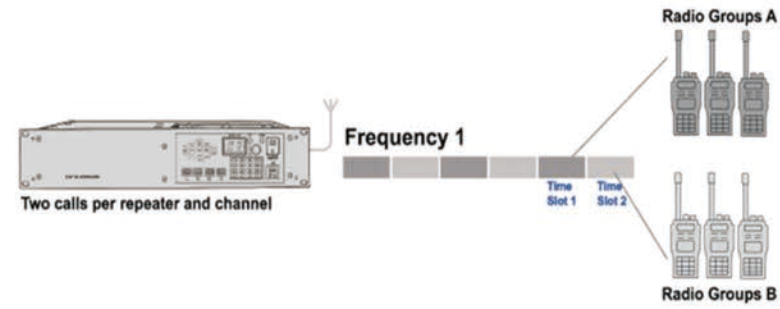
At a convenient push of a button you can monitor all the conversations on your channel or you can scan conversations on different channels.

### Compatible with Motorola Audio Accessories

BF-TD520 is compatible with Motorola audio accessories. So, if you already have a Motorola analog earpiece or microphone, you can pair them with BelFone BF-TD520 and go hands-free.

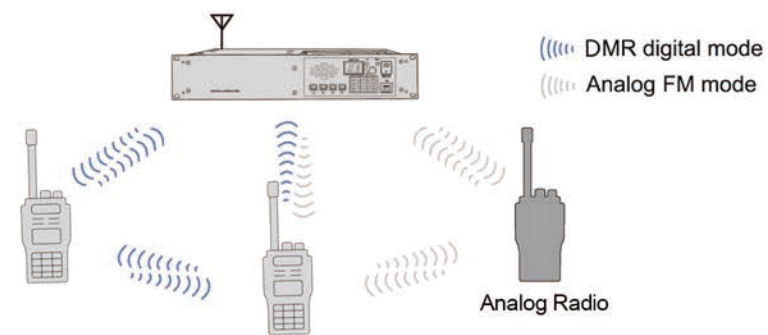
## TDMA 2-Slot

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 corresponding mode for efficient communications.



## Standard Accessories



## Optional Accessories

