

Specifications

General		
Frequency Range	VHF : 136-174MHz; UHF : 400-480MHz/450-520MHz	
Channel Capacity	1024	
Zones	64	
Channel Spacing	12.5KHz/25KHz	
Working Voltage	DC 7.4V (±20%)	
Frequency Stability	±1.5ppm	
Antenna Impedance	50Ω	
Battery Average Working Time (5/5/90)	Digital 18 hours; Analog 13 hours	
Weight	283g (including battery pack)	
Battery Capacity	Real 1800 mAh (18650mAh Optional)	
Dimensions	60(L)x36(W)x129(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 / 25KHz: 16KΦF3E	
Modulation Limitation	+/-2.5KHz @ 12.5KHz +/-5KHz @ 25KHz	
FM Noise	-40dB	
Spurious Emission	-36 dBm≤1GHz -30 dBm≥1GHz	
Adjacent Channel Power	≤-60dB	
Frequency Response	+1/-3 dB	
Audio Distortion	<3%	
Vocoder	AMBE3000	
Receiver		
Digital Sensitivity	5% BER: 0.25 uV	
Analog Sensitivity	0.25 uV (12 dB SINAD)	
Intermodulation	65 dB	
Adjacent Channel Selectivity	60 dB	
Spurious Suppression	70 dB	
FM Noise	-40dB	
Frequency Response	+1/-3 dB	
Audio Power	500mW	
Audio Distortion	3% (typical)	
Conduction Radiation	-36dBm	
Environmental Specifications		
Working Temperature	-20℃ -+60℃	
Storage Temperature	-30℃ -+85℃	
Shock & Vibration	MIL-STD-810C/D/E/F	

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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BF-TD515
DMR Portable

BF-TD515 is a cost-effective entry level DMR two-way radio with outstanding performance to give you a smooth transition from analog to digital. It delivers a superb digital audio experience which is as loud as it is clear, a long battery life to power you through the day, and a huge channel capacity together with adjustable power to meet all kinds of communication needs. If you want to buy a digital radio with an analog budget, BF-TD515 is your ideal radio.

Analog/Digital Dual Modes--Smooth Transition

FEC& AMBE3000 Vocoder--Clear Audio

Longer Battery Life--More Durability

Compatible with Motorola Analog Audio Accessories Kit--Better Flexibility



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BF-TD515

Commercial DMR Radios



Highlights

Digital/Analog Dual Modes

BF-TD515 gives you a smooth transition from the analog world to the digital.

A Longer Battery Life

BF-TD515 can function for longer than any conventional analog radios, meeting the battery needs of a long-day operation.

Small Size and Light Weight

BF-TD515 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 AMBE3000 vocoder deliver a clear and crisp audio.

Private Call, Group Call And All Call

The versatile calling functions bring more efficiency to your teamwork.

Scan/ Monitor

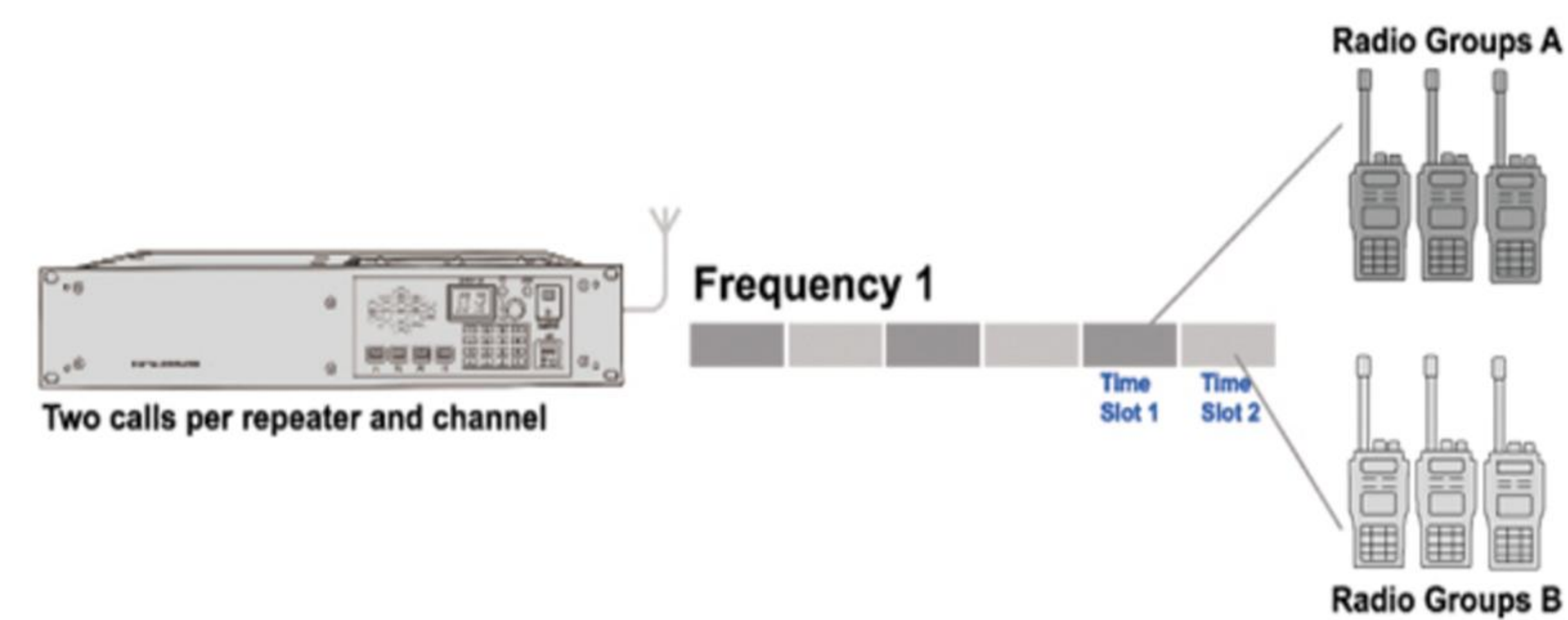
At a convenient push of a button you can monitor all the conversations on your channel or you can scan conversations on different channels.

Compatible with Motorola Audio Accessories

BF-TD515 is compatible with Motorola audio accessories. So, if you already have a Motorola analog earpiece or microphone, you can pair them with BelFone BF-TD515 and go hand-free.

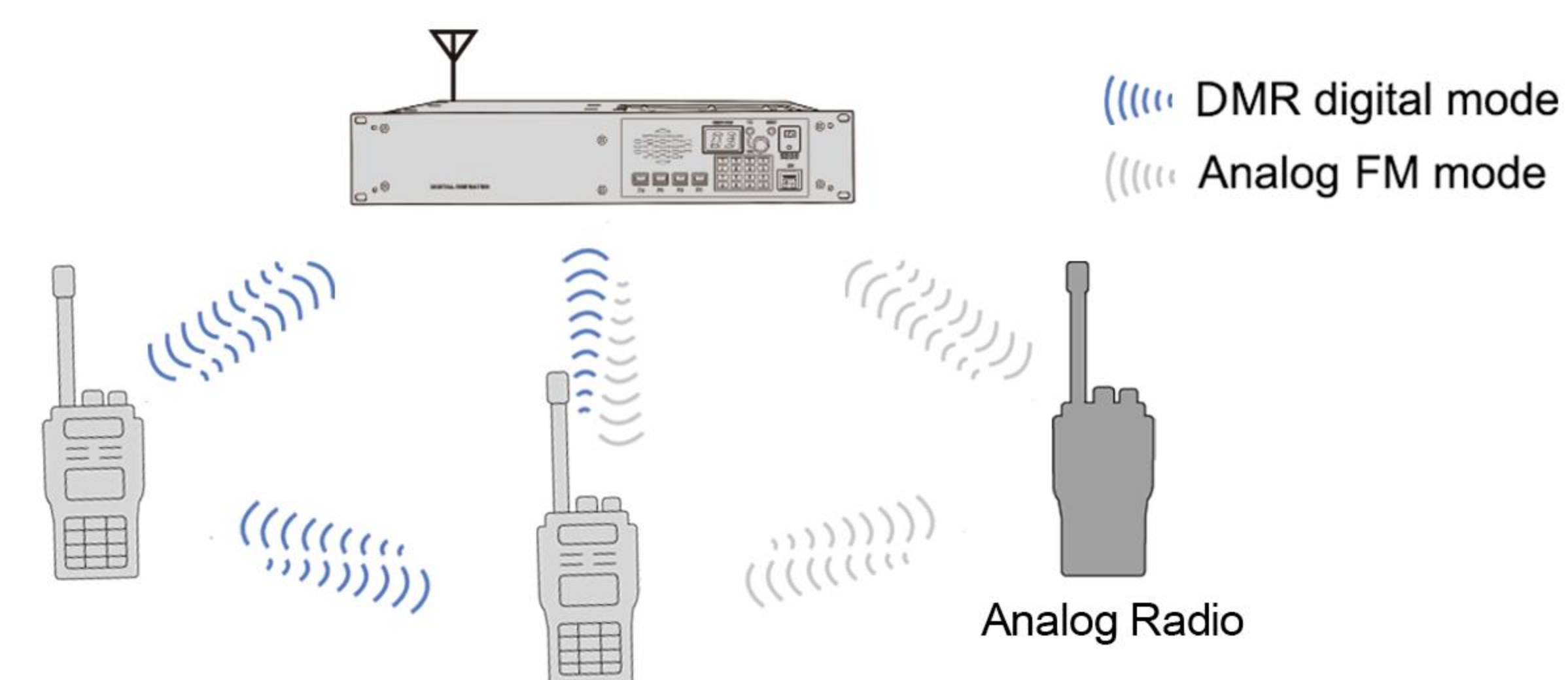
TDMA 2-Slot

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

