



DMR
DIGITAL MOBILE RADIO ASSOCIATION



BF-TD515

DMR Portable Radio

Belfone MEA
Communications for Efficiency and Safety



www.belfone.ae

OVERVIEW

BF-TD515 is a business-critical DMR two-way Radio with outstanding performance to offer you a smooth transition from analog to digital. It delivers a superb digital audio experience and a long battery life to power you through the day, and a wide channel capacity together with adjustable power to meet all kinds of communication needs.

HIGHLIGHTS AND BENEFITS



Digital/Analog Dual Modes

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

Longer Battery Life

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



Compact 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 AMBE+2TM vocoder deliver a clear and crisp audio experience.

Private Call, Group Call and All Call

The versatile calling functions bring more efficiency to your team-work.



Scan/ Monitor

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

Compatible with Motorola Audio Accessories

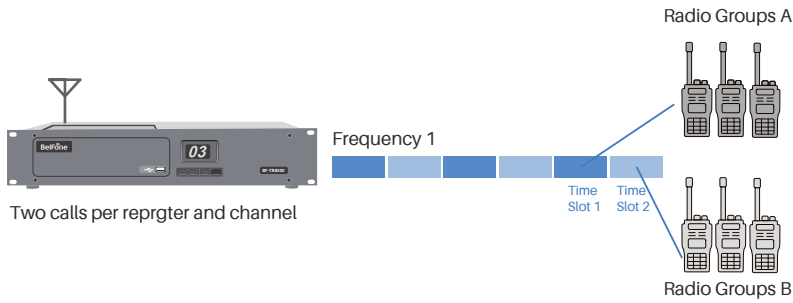
BF-TD515 is compatible with Motorola audio accessories. If you already have a Motorola analog earpiece or microphone, you can pair them with BelFone BF-TD516 and go hand-free.



NETWORKING MODE

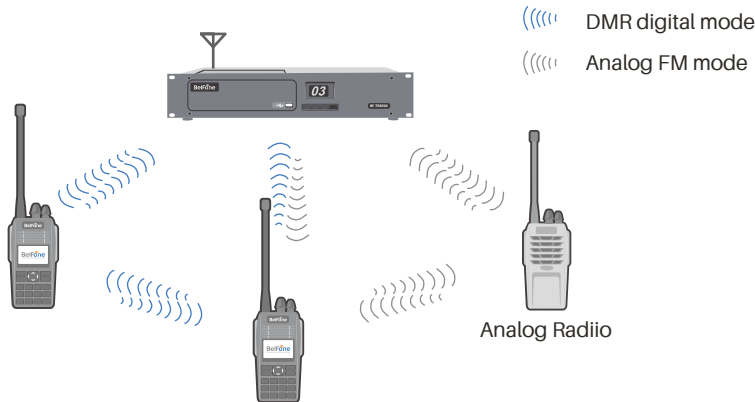
TDMA 2-Slot

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	Strap	StubbyAntenna	Desktop Charger

OPTIONAL ACCESSORIES

			
Programming Cable	Earpiece	Whip Antenna	Microphone

SPECIFICATION

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)x 36(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	12.5 KHz: 8K50F3E/ 25 KHz: 16KΦF3E;
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	AMBE3000
Vocoder	< 3%
Receiver	
Digital Sensitivity	5% BER: 0.25 uV
Analog Sensitivity	0.25 uV (12 dB SINAD)
Intermodulation	65dB
Adjacent Channel Selectivity	60dB
Spurious Response Rejection	70dB
FM Noise	-40dB
Frequency Response	+1/-3 dB
Audio power	500mW
Audio Distortion	3% (typical)
Conduction Radiation	-36dBm
Environmental Specifications	
Working Temperature	-20°C—+60°C
Storage Temperature	-30°C—+85°C
Shock & Vibration	MIL-STD-810C/D/E/F

BelFone Communications MEA

Add: 1804, Fortune Executive Tower, JLT Cluster T, Dubai, UAE

Email: sales@belfone.ae

Tel: +971 (0) 4570 0179

BelFone MEA
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Dedicated to increasing the efficiency and reliability of mission critical communications, BelFone MEA is always on the way to offer responsive, flexible and reliable products. For more information about our products and solutions, contact us or visit us at www.belfone.ae

