

Specifications

General	
Frequency Range	UHF : 446. 0-446. 2MHz
Channel Capacity	32
Zones	2
Channel Spacing	12.5KHz
Working Voltage	DC 7.4V (±20%)
Frequency Stability	±1.5ppm
Antenna Impedance	50Ω
Weight	216g (including battery packs)
Battery Capacity	Real 1800mAh(Li-pol battery)
Dimension	57 (L) *30 (W) *105(H)mm
Transmitter	
Power Output	0.5W
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-TD446

DMR DMR License Free Portable

BF-TD446 is an exciting new addition to our PMR466 License Free Series. Bringing you a whole new set of digital features, such as two timeslots, versatile calls, remote kill/revive, and a clear digital audio, this is a cost-effective radio solution for shop fronts, small warehouses, schools, hospitality, pubs and clubs, restaurants and bars, car park attendants and much more.

Digital/Analog Dual Modes——Smooth Transition

DMR 2 Timeslots——Better Frequency Efficiency

FEC& AMBE+2™ Vocoder——Clear Audio



www.belfone.com



License Free



BF-TD446

DMR License Free Portable



Highlights

Small Size and Light Weight

Small enough to be held comfortably in your hand and light enough not to be a burden.

IP54 Dust& Water Protection

With IP54 protection, this smart and compact radio is built to last and to challenge all kinds of tough communication environments.

Radio Priority-Based Interruption

This function enables a radio with higher level to interrupt communications between radios with lower levels, giving higher priority to radios with higher levels. This means better dispatching efficiency.

A Long Battery

BF-TD446 can function for longer than any conventional analog radios. Battery life is one less thing to worry about!

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.

Excellent Audio Quality

Excellent digital audio quality comes from the AMBE+2™ vocoder and FEC technology

Private Call, Group Call and All Call

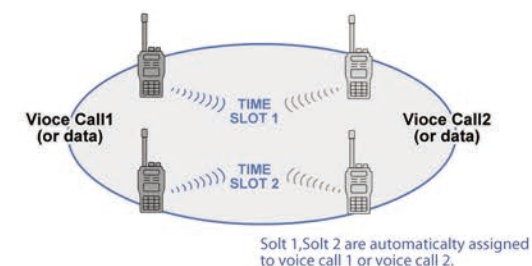
The versatile calling functions bring more efficiency to your teamwork.

Transmit Interrupt

This function enables a supervisor to interrupt a radio conversation in order to clear a channel for more important communications.

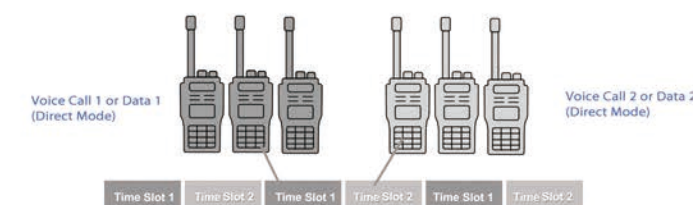
DMO Pseudo Trunk

The user can choose slot 1 or slot 2 for communications. When one slot is occupied the radio will automatically switch into the free slot. Frequency efficiency is greatly increased.



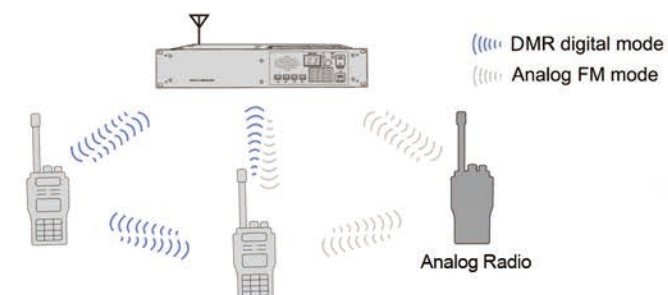
DMO True 2-Slot

In direct 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 Dual Modes

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

