DMR
DIGITAL MOBILE RADIO ASSOCIATION

BF-TD872

DMR Portable Radio

BelFone MEA
Communications for Efficiency and Safety

OVERVIEW

BF-TD872 is a high-power DMR migration radio with a high power output of 7W. It enjoys a communication range of up to 15km long, and comsistently delivers a clear and loud digital audio even in the fringe areas. Its rugged,compact and ergonomic design features with anti-slip function, making it an ideal choice for a great variety of users, like public securities, construction sites, shopping malls and so on.

HIGHLIGHTS AND BENEFITS

Digital/analog Dual Modes

BF-TD872 gives you a smooth transition from the analog world to the digital.

A Longer Battery Life

BF-TD872 can function for longer than any conventional analog radios.(digital 17hours; analog 13 hours)

Excellent Audio Quality

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

Private Call, Group Call and All Call

The versatile calling functions bring more efficiency to your teamwork.

Automatic Roaming (Programmable)

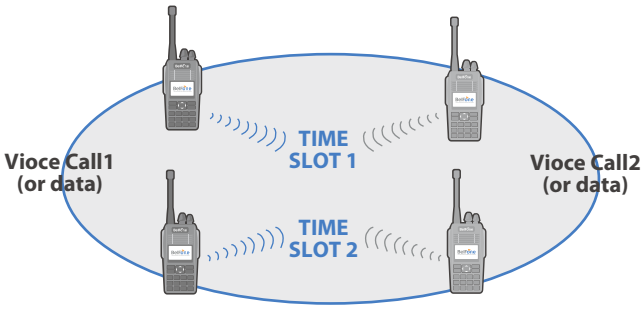
In an IP multi-site network, this feature enables BF-TD872 to automatically roam among all sites and stay connected, delivering more flexibility and efficiency.

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.

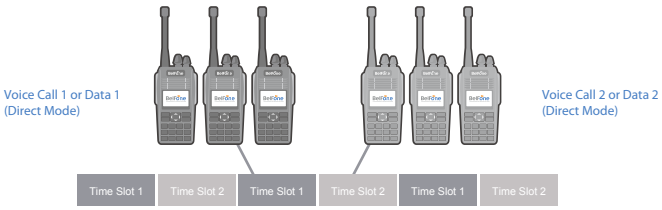
DMO Pseudo Trunk

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



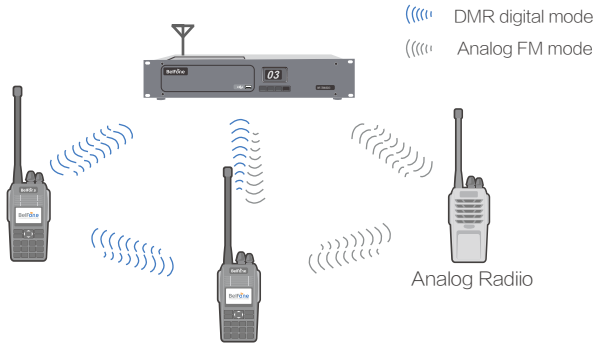
DMO True 2-Slot

In direct mode this radio supports two voice calls simultaneously due to DMR two timeslots, which means two communication paths on 1 frequency at 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.



Radio Prioriyt-Based Interruption

A radio with a higher priority can interrupt communications between radios with lower priorities, either to transmit or to clear a channel for more important communications. This brings better dispatching efficiency to the team.

STANDARD ACCESSORIES


Battery


Belt Clip

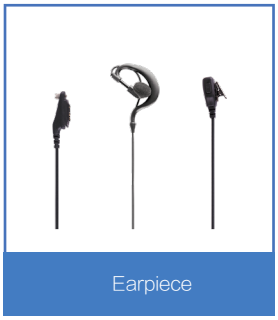

Hand Strap


Stubby Antenna


Charger

OPTIONAL ACCESSORIES


Programming Cable


Earpiece


Long Antenna

SPECIFICATIONS

General	
Frequency Range	VHF: 136-174MHZ; UHF: 350-390MHz/ 400-480MHz/ 450-520MHz
Channels	128
Zones	8
Channel Spacing	12.5KHz/ 25KHz
Working Voltage	DC7.4V (±20%)
Frequency Stability	±1.5ppm
Antenna Impedance	50Ω
Battery Capacity	Real 2600mAh
Battery Average Working Time	Digital 17 hours; Analog 13 hours
Dimension	60(L)* 37(W)* 130(H) mm
Weight	259g (including battery pack)
Transmitter	
Power Output	High power: 5W; Middle power: 3W; Low power: 1W
4FSK Modulation	12.5KHz data only: 7K60FXD; 12.5KHz data and voice: 7K60FXE
FM Modulation	12.5KHz: 8K50FXD; 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/-3dB
Vocoder	AMBE+2™
Audio Distortion	<3%
Receiver	
Digital Sensitivity	5% BER: 0.25 uV
Analog Sensitivity	0.25 uV (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	-57 dBm
Environmental Specifications	
Operating Temperature	-20℃~+60℃
Storage Temperature	-30℃~+85℃
Water Proof	IP54
Shock & Vibration	MIL-STD-810C/D/E/F

FutureWave Technologies LLC

Add: Office #2, 1st Floor, Mohd Obaid Al Majid bldg.,
Marrakech Street, Umm Ramool, Dubai, UAE
Email: sales@futurewaveme.com
Tel: +971 4 3598760

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