Specifications

General	
Frequency Range	VHF: 136-174MHz UHF: 350-390MHz UHF: 400-480 MHz UHF: 450-520MHz
Channels	32
Zones	2
Channel Spacing	12.5KHz/25KHz
Working Voltage	DC7.4V(±20%)
Battery Capacity	Real 2600mAh
Battery Average Working Time（5/5/90）	Digital 17 hours; Analog 13 hours
Frequency Stability	±1.5ppm
Antenna Impedance	50Ω
Dimension	60（L）*37（W）*130（H）mm
Weight	259g (including battery pack)

Transmitter	
Power Output	H：7W / L：3W
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 @ 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	60dB
Adjacent Channel Selectivity	60 dB
Spurious Suppression	70 dB
FM Noise	-40dB
Frequency Response	+1/-3 dB
Audio Power	1W
Audio Distortion	<3%
Conduction Radiation	-36dBm

Environmental Specifications	
Operating Temperature	-20℃~+60℃
Storage Temperature	-30℃~+85℃

BF-TD872

DMR DMR Portable

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 consistantly 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.

Digital/analog Dual Modes--Smooth Transition

FEC& AMBE+2™ Vocoder-- Clear Audio

High Output Power--Long Talk Range

DMR 2 Timeslots--Better Frequency Efficiency

BelFone

www.belfone.com

BF-TD872

Commercial DMR Radios

Highlights

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™ vocoder and FEC technology

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.
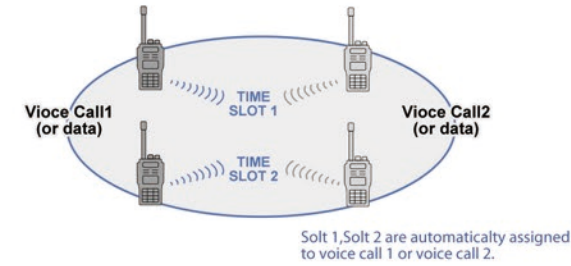
Scan/ Monitor (Programmable)

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

Private Call, Group Call And All Call (Programmable)

The versatile calling functions bring more efficiency to your teamwork.
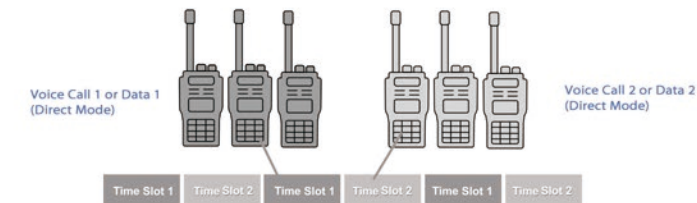
DMO Pseudo Trunk

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.

Vioce Call1 (or data)   TIME SLOT 1   Vioce Call2 (or data)

TIME SLOT 2

Solt 1,Solt 2 are automaticalty assigned to voice call 1 or voice call 2.
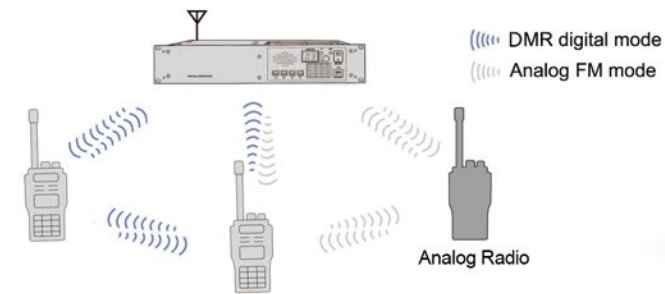
DMO True 2-Slot

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.

Voice Call 1 or Data 1 (Direct Mode)   Voice Call 2 or Data 2 (Direct Mode)

Time Slot 1 | Time Slot 2 | Time Slot 1 | Time Slot 2 | Time Slot 1 | Time Slot 2

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.

(((((DMR digital mode
(((((Analog FM mode

Analog Radio

Standard Accessories

| Battery | Belt Clip | Hand Strap | Stubby Antenna | Charger |

Optional Accessories

| Programming Cable | Earpiece | Long Antenna |