



## BF-TD505/506

### Commercial Portable Pseudo Trunking Radio

- Small Size and Light Weight
- Manual Channel Editing(only for TD505)
- Radio Priority-Based Interruption
- A Long Battery
- Excellent Audio Quality
- Remote Kill/Revive(only for TD505)
- Private Call,Group Call and All Call





## OVERVIEW

Our smart BF-TD505/506 are two DMR migration radios designed for business users, such as hotels, restaurants, supermarkets, construction sites, etc. Besides all the conventional analog functions, our dual-mode radios bring you a whole new set of digital features, such as two timeslots, versatile calls, remote kill/revive, and a clear digital audio. BF-TD505/506 are cost-effective and feature-rich.

## HIGHLIGHTS AND BENEFITS

### Small Size and Light Weight

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

### Radio Priority-Based Interruption

A radio with 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.

### A Long Battery

BF-TD505 can function for longer than any conventional analog radios (digital 18hours, analog 14 hours).

### Automatic Roaming(Programmable)

In an IP multi-site network, this feature enables BF-TD505/506 to automatically roam among all sites and stay connected, delivering more flexibility and efficiency.

### Manual Channel Editing

You can add/delete/edit channels on your radios without having to connect to a PC.(This function applies to BF-TD505 only)

### Remote Kill/Revive

Such functions enable you to kill or revive a radio over the air.This greatly facilitates dispatching work and can be especially useful should a radio happen to be lost. You can easily remote kill the lost radio and confidential information can be kept from leaking out.(This function applies to BF-TD505 only).

### Excellent Audio Quality

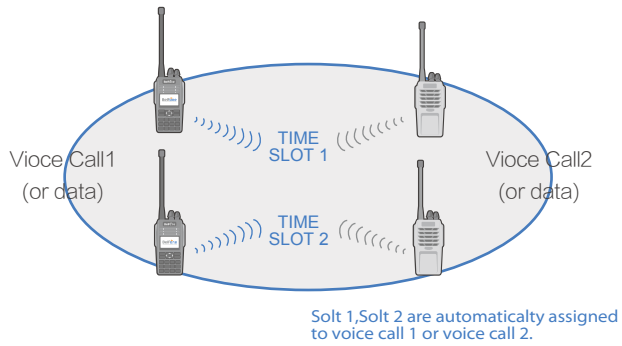
Excellent digital audio quality comes from the AMBE+2™ vocoder and FEC technology

### Private Call, Group Call and All Call

The versatile calling functions bring more efficiency to your teamwork.

## 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.



## 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.

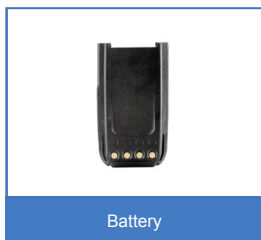


BT-TD506



BT-TD505

## STANDARD ACCESSORIES



Battery



Belt Clip



Hand Strap



Stubby Antenna

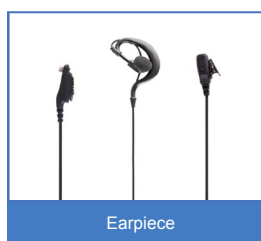


Charger

## OPTIONAL ACCESSORIES



Programming Cable



Earpiece



# SPECIFICATION

## General

Frequency Range	VHF:136-174MHz ; UHF:350-400MHz/400-480MHz/450-520MHz
Channel Capacity	TD505:1024 TD506:32
Zones	TD505:64 TD506:2
Channel Spacing	12.5KHz
Working Voltage	DC 7.4V(±20%)
Frequency Stability	±1.5ppm
Antenna Impedance	50Ω
Battery Average Working Time (5/5/90)	Digital 18 hours: Analog 14 hours
Weight	TD505:239g TD506:216g(including battery packs)
Battery Capacity	1800mAh(Li-pol battery)
Dimensions	TD505:57(L)*30(W)*105(H)mm TD506:57(L)*30(W)*105(H)mm

## Transmitter

Power Output	H: 5W / L: 1W
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	-36dBm≤1GHz; -30dBm≥1GHz
Adjacent Channel Power	≤-60dB
Frequency Response	+1/-3dB
Audio Distortion	<3%
Vocoder	AMBR+2™

## Receiver

Digital Sensitivity	5%BER:0.25uV
Analog Sensitivity	0.25uV ( 12dB SINAD )
Intermodulation	60dB
Adjacent Channel Selectivity	60dB
Spurious Suppression	60dB
FM Noise	-40dB
Frequency Response	+1/-3dB
Audio Power	1.5W
Audio Distortion	3%(typical)
Conduction Radiation	-57dB

## Environmental Specifications

Working Temperature	-20℃——+60℃
Storage Temperature	-30℃——+85℃
Water Proof	IP54

## Fujian BelFone Communications Technology Co., Ltd

**Add:** A-15 Huaqiao Economic Development Zone, Luojiang, Quanzhou, Fujian, China

**Email:** overseas@belfone.com

**Phone:** +86 595 28396717

**Fax:** +86 595 22771635



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