











## BF-TD526LF

License Free  
DMR Portable Radio

**Belfone** MEA  
*Communications for Efficiency and Safety*



-  Reliable Communication
-  Long Standby
-  IP54 Rated Protect
-  Audio Noise Reduction
-  SOS Emergency Alert
-  Digital/Analog Dual Modes
-  Digital Voice Encryption
-  Bluetooth Function (Optional)



## OVERVIEW

BF-TD526LF is a license-free DMR radio that seamlessly integrates digital and analog modes, offering cost-effective and reliable communication. Designed for industrial and commercial users, it features a sleek exterior with a distinctive dual-color PTT for enhanced aesthetics and functionality. With robust anti-interference capability, secure communication, and optimized channel bandwidth, BF-TD526LF ensures clear and stable voice transmission over a wide range. Its high efficiency and ease of use make it an ideal choice for various professional and everyday applications.

## HIGHLIGHTS AND BENEFITS

### Reliable Communication

BF-TD526LF ensures clear and stable communication with optimized transmission efficiency, even in urban environments. With 0.5W transmitting power and an enhanced antenna design, it provides reliable coverage for short to medium distances while maintaining superior audio quality. Whether in workplaces or outdoor activities, BF-TD526LF keeps you connected without interference.

### IP54 Rating Protect

ABS+PC materials make BF-TD526LF sturdy and durable, while IP54 rating effectively protects it from water and dust. Accidental showers are one less thing to worry about for outdoor users. BF-TD526LF is designed to hold up against challenging environments.

### Long Standby

In standby mode, BF-TD526LF will go into auto power save mode to prolong standby time. Low power alert will remind the user to recharge the battery with voice prompt, making sure your workers are always on line.

### MIC Noise Reduction

BF-TD526LF integrates advanced digital voice codec technology that optimizes audio power output, providing loud, clear, and penetrating sound. With built-in MIC noise reduction algorithm to filter environmental noise and minimize howling, improving voice clarity.



## SOS/Lone Worker

BF-TD526LF offers two alarm modes: one key alarm and lone worker. In case of emergencies, it can automatically send distress signals for help. Equipped with a top-mounted emergency button that activates instantly upon touch, it is responsive and easy to trigger, helping to stay responsive in emergencies.

## Digital/Analog Dual Mode

BF-TD526LF is compatible with both digital and analog networks and can automatically switch between two modes, which delivers a smooth transition from analog to digital. The user can take his time upgrading his analog infrastructures. There is no hurry.

## Voice Encryption

BF-TD526LF incorporates advanced digital encryption technologies to protect your information privacy. The user can select static or dynamic encryptions through the programming software. Only radios with the same encryption type can talk with each other.

## \*Wireless Bluetooth (Optional)

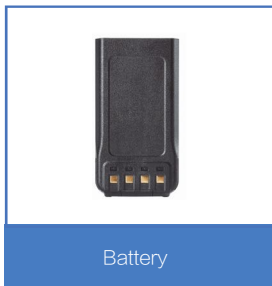
The BF-TD526LF incorporates optional Bluetooth functionality, automatically pairing and connecting upon startup. Enabling effortless programming, facilitating simpler and more efficient management.



## REGULAR FEATURES

- VOX
- Power Save
- Scan/Auto Scan
- Programmable Buttons
- TOT
- Low Power Alert
- Repeater/Talkaround
- Monitor/ Permanent Monitor
- Emergency Call
- Private/Group/All Call
- Silence Unknown Callers
- Independent Battery Charging

## STANDARD ACCESSORIES



Battery



Belt Clip



Hand Strap



Stubby Antenna

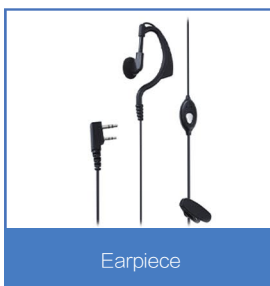


Charger

## OPTIONAL ACCESSORIES



Programming Cable



Earpiece



# Specifications

General	
Optional Frequency Range	UHF: 446-446.2MHz
Channel Capacity	32
Zones	2
Channel Spacing	12.5KHz/25KHz
Operating Voltage	DC7.4V (± 20%)
Battery Capacity	1800 mAh
Battery Life ( 5/5/90 )	Digital 18 Hours/Analog 13 Hours
Frequency Stability	± 1.5ppm
Antenna Impedance	50Ω
Dimensions (L × W × H)	59.7 ( L ) *35 (W) *114 (H)mm
Screen	—
Weight	242g(Including Battery)
Recording (Optional)	—
Bluetooth (Optional)	BT5.0
Transmitter	
RF Output Power	< 5W
4FSK Modulation	12.5kHz Only data: 7K60FXD; 12.5kHz data and audio: 7K60FXE
FM Modulation	12.5 kHz: 8K50F3E; 25 kHz: 16KΦF3E;
Modulation Limiting	+/- 2.5kHz @ 12.5kHz; +/- 5kHz @ 25kHz
FM Noise	-40dB
Conducted Emission	-36 dBm≤1GHz/-30 dBm≥1GHz
Adjacent Channel Power	≤ -60dB
Audio Response	+1/-3 dB
Audio Distortion	3%
Digital Voice Coder Type	AMBE
Receiver	
Digital Sensitivity	5% BER: 0.25 uV
Analog Sensitivity	0.25 uV (12 dB SINAD)
Intermodulation	65dB
Adjacent Channel Selectivity	60 dB
Spurious Response Rejection	70 dB
FM Noise	-40dB
Audio Response	+1/-3 dB
Rated Audio Output Power	0.5 W
Max Audio Output Power	2W
Rated Audio Distortion	3%
Conducted Spurious Emission	-36dBm
Environmental Specifications	
Working Temperature	-30℃—+60℃
Storage Temperature	-40℃—+85℃
ESD Protection	—
Vibration&Shock	MIL-STD-810G
Moistureproof	MIL-STD-810G
Waterproof&Dustproof	IP54

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