



BF-TD910UV

UV Dual Band Portable Radio for Emergency Communications

- UV Dual Bands
- Automatic Roaming
- IP68 Protection
- Superior Audio Quality
- Personnel Safety
- Information Security
- Radio Priority-Based Interruption

Belfone
Communications for Efficiency and Safety





OVERVIEW

BF-TD910UV is a tough dual-band two-way radio capable of operating on both VHF and UHF band and in both analog and digital mode; so different users can simultaneously monitor and communicate with other agencies for better collaboration. Its comprehensive feature kit includes versatile calls, emergency call, lone worker, scan/monitor, roaming, transmission authentication, etc. It works in a great diversity of communication scenarios, such as indoor operations, outdoor operations, teamwork and emergency response.

HIGHLIGHTS AND BENEFITS

Dual Band Interoperability

The device is valuable as it performs across multiple digital and analog networks and operates in either VHF or UHF for instant interoperability. Now you can efficiently manage mission critical voice and data in any condition and significantly improve your safety and response time.

Reliable in The Toughest Conditions

This tough IP68 radio is designed to brave the challenges of harsh environments, almost immune to water and dust intrusion. It keeps your workers connected safely and productively, wherever the job takes them.

Advanced Information Security

- ARC4, AES256 and TF card encryption technologies and authentication to protect mission critical radio system from unauthorized access or malicious disruption.
- Users can destroy voice records and important data through the terminal to prevent information leakage.

Readable in Different Environment

1.6" OLED display, full keypad, ease of operation, convenient to handle.

Work Safety Design

- Emergency alarm
- Lone-Worker
- Cover mode



SPECIFICATION

General

Frequency Range	VHF: 136–174MHz; UHF: 350–390MHz/ 400–480MHz/ 450–520MHz
Channels	1024
Zones	128
Channel Spacing	12.5KHz/ 25KHz
Working Voltage	DC7.4V (± 20%)
Frequency Stability	± 1.5ppm
Antenna Impedance	50Ω
Battery Capacity	2500mAh (3350mAh optional)
Battery Average Working	2500mAh battery: Digital 21 hours, Analog 16 hours; 3350mAh battery: Digital 30 hours, Analog 23 hours
Dimension	56(L)* 33(W)* 129(H) mm
Weight	315g (including battery)

Transmitter

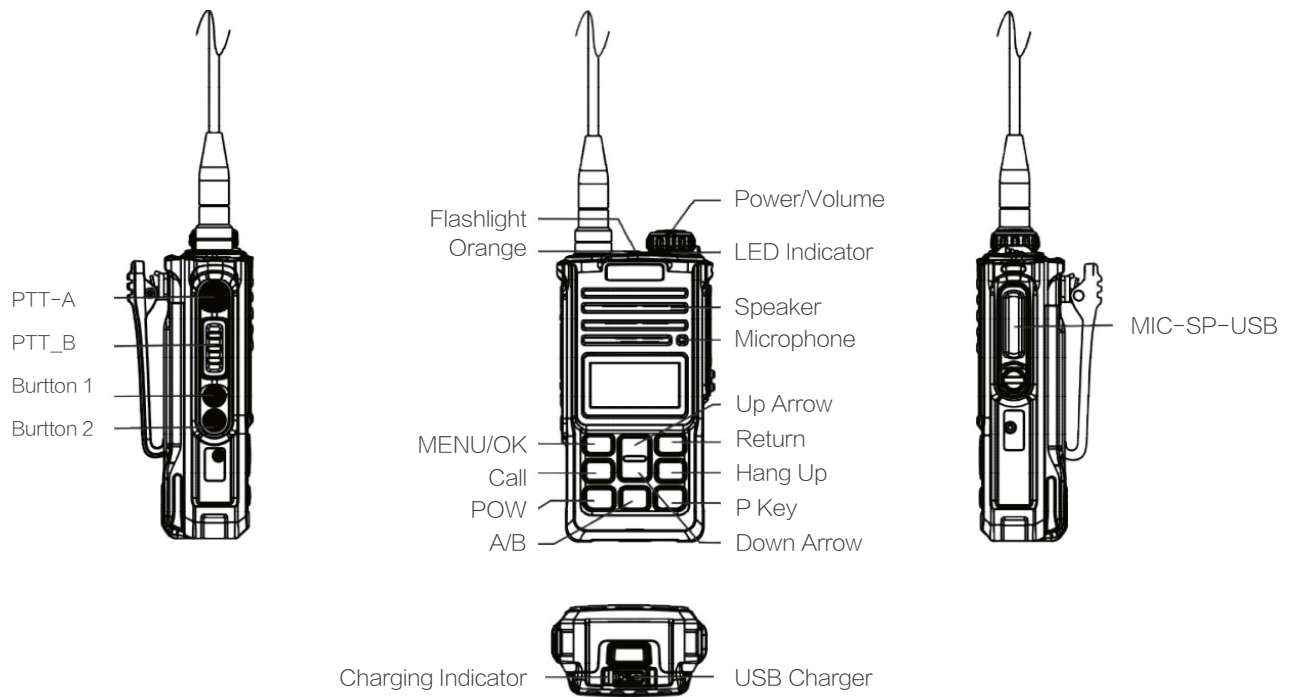
Power Output	High power: 4W / Mid power: 2W / Low power: 1W
4FSK Modulation	12.5KHz data only: 7K60FXD; 12.5KHz data and voice: 7K60FXE
FM Modulation	12.5KHz: 8K50F3E; 25KHz: 16Kϕ F3E
Modulation Limitation	± 2.5KHz @ 12.5KHz; ± 5KHz @ 25KHz
FM Noise	40dB
Spurious Emission	-36 dBm ≤ 1GHz; -30 dBm ≥ 1GHz
Adjacent Channel Power	≤ -60dB
Frequency Response	+1/-3dB
Vocoder	AMBE++
Audio Distortion	≤ 5%

Receiver

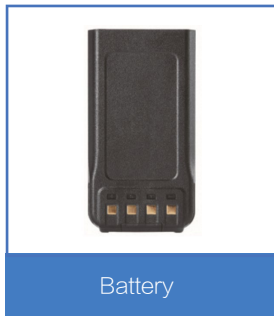
Digital Sensitivity	5% BER: 0.25 μV
Analog Sensitivity	0.25μV (12 dB SINAD)
Intermodulation	70dB
Adjacent Channel Selectivity	60dB @ 12.5kHz; 70dB @ 25kHz
Spurious Suppression	70dB
FM Noise	40dB @ 12.5kHz; 45dB @ 25kHz
Frequency Response	+1/-3 dB
Audio Power	0.5W (8Ω load)
Audio Distortion	≤ 5%
Conduction Radiation	-57dBm
GPS Precision Horizontal Accuracy	≤ 10m (with good signal)
TTFF (first location) Cold Boot	< 1 minutes (with good signal)
TTFF (first location) Hot Boot	< 10 seconds (with good signal)

Environmental Specifications

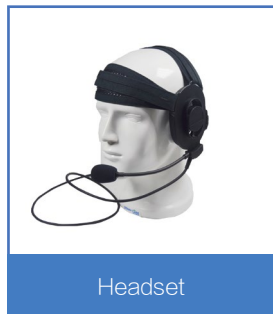
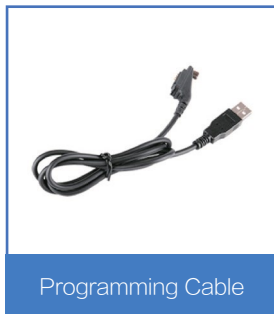
Operating Temperature	-30°C~+60°C
Storage Temperature	-40°C~+85°C
Water Proof	IP68
Shock & Vibration	MIL-STD-810C/D/E/F



STANDARD ACCESSORIES



OPTIONAL ACCESSORIES



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