



BF-TD588UV

UV Band Digital Radio

BF-TD588 amateur UV band radio integrates advanced digital technology, delivers excellent dual band transmission capacity, dual frequency standby, clear audio, enhanced features, and offers high playability. Whether for daily communication or outdoor activity use, it provides ham radio operators with stable and efficient communication support.

-  1.77 Inches Display
-  UV Dual Band Dual Standby
-  Safety Warning & Monitoring
-  VFO/MR Mode Switch
-  Voice Recording/FM/ Weather Forecast
-  APRS Technology
-  Large Storage Capacity
-  MIC Audio Noise Reduction
-  Digital Voice Encryption
-  Multimode Satellite Positioning



REGULAR FUNCTIONS

○ Represents optional features

- Roam
- Priority Interrupt
- Shielding Protection
- Programmable Button
- Speed Dial
- Bluetooth (5.0)
- Covert Mode
- IP54 Protection
- Compatible Digital& Analog
- Sent Preset Message
- Individual Call/Group Call/All Call

SPECIFICATION

General	
Frequency Range(Optional)	136-174 MHz/400-480 MHz
Mode	DMR
Channels	4000
Zones	64
Channel Spacing	12.5KHz/25KHz
Working Voltage	DC 7.4V (±20%)
Battery Capacity	2000 mAh
Average Battery Working Hours(5/5/90)	Digital 21 Hours Analog 15 Hours
Frequency Stability	±0.5ppm
Antenna Impedance	50Ω
Current	RX: 300mA / TX: 800mA
Display	TFT, 128*160RGB, 1.77 inches
Keypad	18 buttons on front
Dimensions	58 (L) * 36 (W) * 121 (H) mm
Weight	288g(including battery)
Recording	15 Hours
Bluetooth (Optional)	BT5.0
Transmission	
Output Power	<5W
4FSK Modulation	12.5kHz Only data: 7K60FXD 12.5kHz Data and voice: 7K60FXE
FM Modulation	12.5 kHz: 8K50F3E;
Modulation Limitation	±2.5kHz @ 12.5kHz;
FM Noise	-40dB
Emission Spurious	-36 dBm≤1GHz/-30 dBm≥1GHz
Adjacent Channel Power	≥60dB
Frequency Response	+1/-3 dB
Free time slot power	≤-57dBm
Digital Vocoder	AMBE

Receiving	
Digital Sensitivity	5% BER: 0.22uV
Analog Sensitivity	0.165uV (12dB SINAD)
Intermodulation	≥65dB
Adjacent Channel Selectivity	≥60dB
Spurious Suppression	≥65 dB
FM Noise	-40dB
Frequency Response	+1/-3 dB
Rated Audio-Frequency output power	0.5W
Maximum Audio-Frequency output power	2W
Rated Audio-Frequency Distortion	3% (Typical)
Harmonic suppression	≤-57dBm
If Rejection	≤70dBm
Co-Channel Rejection	≤70dBm
Image Rejection	≤70dBm
Conducted Radiation	≤-57dBm
Spurious radiation	≤-57dBm
Blocking	≤90dBm

Environmental	
Working Temperature	-20°C—+60°C
Storage Temperature	-30°C—+85°C
ESD Protection	±5kV(Contact Discharge) ±8kV (Air Discharge)
Moisture Proof	MIL-STD-810G
Shock& Vibration	MIL-STD-810G
Waterproof& Dustproof	IP54

Positioning System	
Satellite Positioning	Horizontal Accuracy≤-2.5m (With good signal)
TTF(First Locate) Cold Boot	< 1 Minute
TTF(First Locate)Hot Boot	< 10 Seconds
TTF Recapture	< 10 Seconds

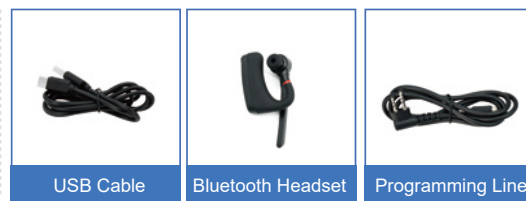
Note: The above specification is tested by the trial standard. Due to the continuous development of technology, the data provided are for reference only.

PARTS

STANDARD ACCESSORIES



OPTIONAL ACCESSORIES



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



Dedicated to increasing the efficiency and reliability of missioncritical communications, BelFone 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.com.

