



Specifications(BF-TD930)

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	±0.5ppm
Antenna Impedance	50Ω
Battery Capacity	2300mAh (3350mAh optional)
Battery Average Working Time	2300mAh 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/U band; 5W/V band; Low power: 1W
4FSK Modulation	12.5KHz data only: 7K60FXD;12.5KHz data and voice: 7K60FXE
FM Modulation	12.5KHz: 8K50F3E; 25KHz: 16KφF3E
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: 0.25μV
Analog Sensitivity	0.25uV (12 dB SINAD)
Intermodulation	65dB
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
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℃~+60℃
Storage Temperature	-40℃~+85℃
Water Proof	IP68
Shock & Vibration	MIL-STD-810C/D/E/F