

12. TECHNICAL SPECIFICATIONS

General		
Frequency Range	European: 144-146MHz, 430-440MHz US: 144-148MHz, 420-450MHz	
Channel Capacity	4000 channels	
Channel Spacing	25KHz (Wide Band) , 12.5KHz (Narrow Band)	
Phase-locked Step	5KHz, 6.25KHz	
Operating Voltage	7.4V DC ±20%	
Frequency Stability	±1.5ppm	
Operating Temperature	-20℃ ~ +55℃	
Size	103.5×53.5×35.5mm (with battery pack)	
Weight	220g (with battery pack)	
Receiving Part		
	Wide band	Narrow band
Sensitivity(12dB SINAD)	≤0.25μV	≤0.35μV
Digital Sensitivity	0.3uV/-117.4dBm (BER 5%) 0.7uV/-110dBm (BER 1%)	
Adjacent Channel Selectivity	≥65dB	≥60dB
Spurious Emission	≤-57dB	≤-57dB
Spurious Rejection	≥65dB	≥60dB
Blocking	84db	
Hum & Noise	≥45dB	≥40dB
Audio Distortion	≤5%	
Audio Power Output	1000mW/16Ω	
Transmitting Part		
	Wide band	Narrow band
Power Output	VHF: 5/2.5/1W/0.2W, UHF: 4.5/2.5/0.5W/0.2W	
Modulation	±5.0KHz@25KHz	±2.5KHz@12.5KHz
Adjacent Channel Power	≥70dB	≥60dB
Hum & Noise	≥40dB	≥36dB
Spurious Emission	≤-60dBc	≤-60dBc
4FSK Digital Modulation	12.5KHz (data) 7K60FXD 12.5KHz (data+voice) 7K60FXE	
Audio Distortion	≤5%	
Error rate	≤3%	