

blackbox™

2-way radios



General		
Frequency Range		
RX	136~174MHz	400-470MHz
TX	136~174MHz	400-470MHz
Number of channels	100	
Operation mode	FM 16K ϕ F3E (Wide mode)/ 11K ϕ F3E (Narrow mode)	
Channel Stepping	5, 6.25, 8.33, 10, 12.5, 15, 20, 25, 30, 50KHz	
Antenna Impedance	50 Ω	
Working temperature	-20 ~+60	
Power Supply	13.8V DC \pm 15% (11.7~15.8V)	
Grounding Method	Negative ground	
Current	Transmitter: about 9.5A	
	Receiver: about 600mA(max.)	
Frequency Stability	\pm 2.5ppm	
Dimensions (W x H x D)	145 x 47 x 190 mm	
Weight	Approx. 1.2kg / 2.6lb	
TRANSMITTER		
Power Output		
High	60W	50W
Mid	10W	
Low	About 5W	
Modulation	Reactance modulation	
Maximum frequency deviation	Wide : \pm 5kHz	Narrow : \pm 2.5kHz
Spurious emission	60dB	
Adjacent channel power	Wide : 70dB	Narrow : 60dB
Noise and hum ratio	Wide : 40dB	Narrow : 36dB
Microphone Impedance	1K Ω	
RECEIVER		
Receiver circuitry	Double conversion superheterodyne	
Intermediate Frequency (1st / 2nd)	38.85MHz / 450kHz	
Sensitivity (12dB SINAD)	Wide : 0.2 μ V or less Narrow : 0.25 μ V or less	
Squelch Sensitivity	0.126 μ V or less	
Adjacent channel selectivity	Wide : 70dB	Narrow : 60dB
Intermodulation rejection ratio	65dB	
Spurious and image rejection ratio	70dB	
Audio Output (8 Ω , 10% distortion)	2W (10% distortion)	

Specifications



- Optional Field Programmability
- Alpha-Numeric Display
- Narrow and Wide Band option
- Alarm/Stun/2-Tone/5-Tone
- Conventional Network Scalability

- Includes:
- DTMF Microphone
- Power Cables
- Alarm Cable
- Mounting Bracket
- User Manual



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