

ICOM

IC-500FX

By G. Simon Radio Co., Ltd.

POWERFUL 500 mW

FOR ALL OUTDOOR ACTIVITIES



OUTING



CYCLING



CAMPING



SPECIFICATIONS

GENERAL	
Frequency range	245.0000-246.9875MHz
No. of operating Ch.	CB 160 channels (Simplex)
Type of emission	FM (8K50F3E)
Antenna impedance	50Ω (BNC)
Operating Temp. range	-30°C to +60°C
Frequency stability	±2.5ppm
Power supply voltage	7.2V DC with supplied battery pack
Current drain (approx.)	
Tx	0.7A
Rx Max.audio/Standby	500mA/77mA
Dimensions (WxHxD) (Projections not included)	52.2x111.8x24.5 mm; 2.06x4.4x0.96 in
Weight (approx.)	240g ; 8.47 oz
TRANSMITTER	
Output power (at 7.2V)	500 mW
Max. freq. deviation	±2.5kHz
Spurious emissions	70dB
Adjacent Ch. power	65dB
FM Hum and noise	40dB
Ext. microphone connector	3-conductor 2.5 (d) mm (1/16")/2.2kΩ
RECEIVER	
Intermediate freq.	46.35MHz/450kHz (1st/2nd)
Sensitivity	0.2µV (at 12dB SINAD)
Squelch sensitivity	0.2µV (threshold)
Adjacent Ch. selectivity	65dB
Spurious response	85dB
Intermodulation	75dB
Hum and noise	50dB
Audio output power	2500 mW
Ext. speaker connector	3-conductor 3.5(d)mm(1/8")/8Ω



Measurements made in accordance with EIA/TIA-603.
All stated specifications are subject to change without notice or obligation.

Applicable U.S. Military Specifications & IP Rating

Standard	MIL 810G	
	Method	Procedure
Low Pressure	500.5	I, II
High Temperature	501.5	I, II
Low Temperature	502.5	I, II
Temperature Shock	503.5	I-C
Solar Radiation	505.5	I
Rain Blowing/Drip	506.5	I, III
Humidity	507.5	II
Salt Fog	509.5	-
Dust Blowing	510.5	I
Immersion	512.5	I
Vibration	514.6	I
Shock	516.6	I, IV

Also meets equivalent MIL-STD-810-C, -D, -E and -F.

Ingress Protection Standard	
Dust & Water	IP67 (Dust-tight and waterproof protection)

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