

**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)<br>(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 &amp; 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) |



## บริษัท ยี.ซีมอน เเรดิโอ จำกัด

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