

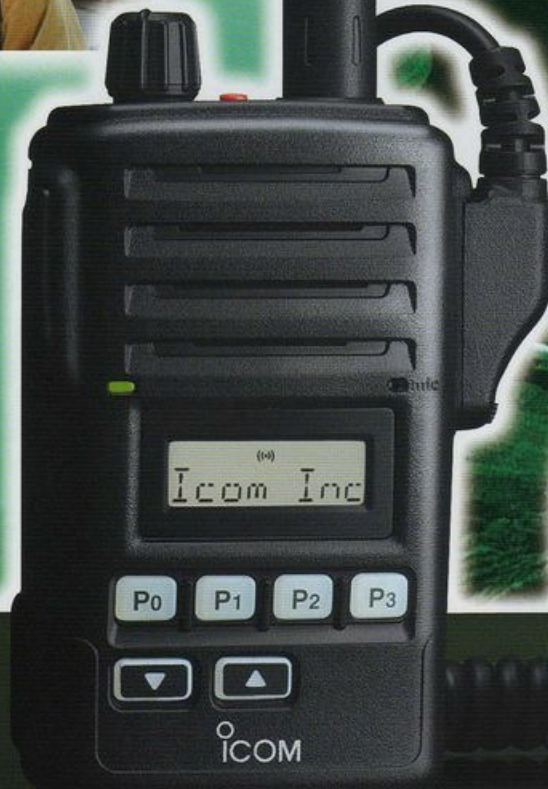
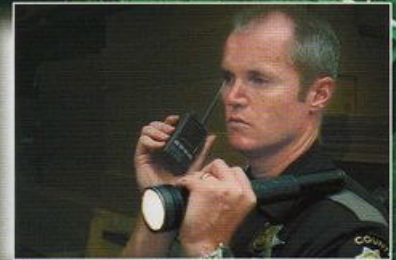
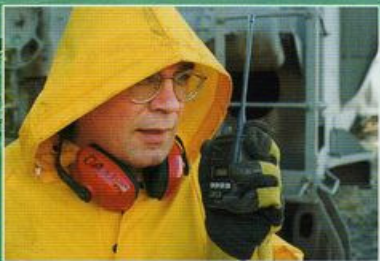
**IC-F50** (VHF Transceiver)

**IC-F60** (UHF Transceiver)

**Submersible**

1m depth for 30 minutes

Meets  
**MIL-STD 810**



**BIIS 1200**  
Compatible

Photo includes optional speaker-microphone, HM-138.

**SPECIFICATIONS**

GENERAL	
• Frequency range	: IC-F50 136-174MHz IC-F60 400-470MHz 450-512MHz (U.S.A.) 450-520MHz (General)
• Number of Channels	: Max. 128 channels/ 8 banks
• Channel spacing	: 12.5/25kHz, 15/30kHz
• Antenna impedance	: 50Ω (SMA Type)
• Frequency error	: ±2.5ppm
• PLL channel step	: IC-F50 2.5/3.125kHz IC-F60 5/6.25kHz
• Power supply requirement	: 7.2V DC
• Current drain (approx)	: Transmit at 5W 1.5A (IC-F50) at 4W 1.5A (IC-F60) at 1W 0.7A (IC-F50) 0.8A (IC-F60) Receive AF max. 300mA Stand-by 85mA
• Operating temperature range	: -30°C to +60°C; -22°F to +140°F
• Dimensions (W × H × D)	: 56 × 97 × 36.4 mm ; (projections not included) 2 <sup>7</sup> / <sub>32</sub> × 3 <sup>13</sup> / <sub>16</sub> × 1 <sup>7</sup> / <sub>16</sub> in.
• Weight (approx.; With BP-227)	: 280g; 9.9oz

TRANSMITTER	
• Output power	: IC-F50 5.0W IC-F60 4.0W
• Modulation system	: Variable reactance frequency modulation
• Max. frequency deviation	: ±5kHz (wide) ±2.5kHz (narrow)
• Modulation limiting	: 60-100% of Max. deviation
• Audio harmonic distortion	: 3% typ. (AF 1kHz, 40% deviation)
• Spurious emissions	: 70dB Min.
• Adjacent channel power	: 70dB Min. (wide) 60dB Min. (narrow)
• FM Hum and Noise	: 46dB typ. (wide) 40dB typ. (narrow)
• External MIC impedance	: 9-pin multi connector/2.2kΩ

Measurements made in accordance with EIA-152C/204D, TIA-603.  
All stated specifications are subject to change without notice or obligation.

RECEIVER	
• Sensitivity	: 0.25μV typ. (at 12dB SINAD)
• Squelch sensitivity	: 0.25μV typ. (at threshold)
• Adjacent channel selectivity	: 75dB typ. (wide) 65dB typ. (narrow)
• Spurious response	: 70dB
• Intermodulation	: 74dB typ.
• Hum and noise	: 45dB typ. (wide) 40dB typ. (narrow)
• Audio output power	: 0.5W typ. at 5% distortion with an 8Ω load
• External SP connector	: 9-pin multi connector/8Ω

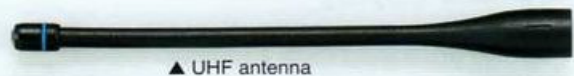
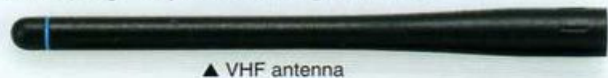
**Applicable U.S. Military Specifications**

Icom makes rugged products that meet MIL-STD requirements and strict environmental standards as follows.

Standard	MIL 810C		MIL 810D		MIL 810E		MIL 810F	
	Method	Proc.	Method	Proc.	Method	Proc.	Method	Proc.
Vibration	514.2	X	514.3	I	514.4	I	514.5	I
Shock	516.2	I, II, IV	516.3	I, IV	516.4	I, IV	516.5	I, IV

**Supplied accessories:**

- Antenna (Length may differ according to version)



- Alligator-type belt clip, MB-98
- Battery pack, BP-227

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