



# IC-F14

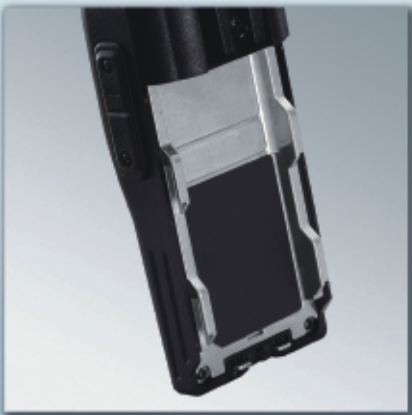
(VHF transceiver)

# IC-F24

(UHF transceiver)



## Basic & Rugged



- 16ch (F14/F24)  
Max. 4ch (F14S/F24S)
- 2-Tone, 5-Tone  
CTCSS, DTCS
- MDC PTT ID &  
MDC emergency call
- 15-16 hrs. operating  
time with BP-232N
- Optional voice  
scrambler

**SPECIFICATIONS**

**GENERAL**

- Frequency range :
  - IC-F14/IC-F14S 136–174MHz (U.S.A. and General)
  - IC-F24/IC-F24S 400–470MHz (U.S.A. and General)
  - 450–512MHz (U.S.A.)
  - 450–520MHz (General)
- Number of channels : 16 (IC-F14, IC-F24)
- Channel spacing : 12.5kHz/25kHz
- PLL channel step : 2.5kHz, 3.125kHz (VHF)  
5kHz, 6.25kHz (UHF)
- Power supply requirement : 7.2V DC
- Current drain (at 7.2V DC; approx.):
  - Transmit High 1.5A
  - Low (1W) 0.7A
  - Receive stand-by 70mA
  - rated output 300mA
- Antenna impedance : 50Ω
- Usable temperature range : –30°C to +60°C; –22°F to +140°F
- Dimensions (with BP-232N) : 53 (W) x120 (H) x42.4 (D) mm;  
(projections are not included) 2<sup>3</sup>/<sub>32</sub> (W) x4<sup>23</sup>/<sub>32</sub> (H)x1<sup>21</sup>/<sub>32</sub> (D) in
- Weight : 296g; 10.4oz (approx. with BP-232N)

**TRANSMITTER**

- Output power : 5W (VHF), 4W (UHF)
- Max. frequency deviation : ±5.0/2.5kHz (Wide/narrow)
- Frequency error : ±2.5ppm
- Spurious emissions : 80dB typ.
- Adjacent channel power :
  - VHF 80/70dB typ. (Wide/narrow)
  - UHF 75/68dB typ. (Wide/narrow)
- FM Hum and Noise : 46dB typ. (Wide)  
40dB typ. (Narrow)
- Audio harmonic distortion: 3% typ. (AF 1kHz, 40% deviation)
- Modulation limiting : 60–100% of max. deviation
- Ext. microphone connector : 3-conductor 2.5 (d) mm (1/10")/2.2kΩ

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

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**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 ratio : 50dB typ. (Wide)  
45dB typ. (Narrow)
- Audio output power : 500mW typ.  
(at 5% distortion with an 8Ω load)
- External speaker connector : 2-conductor 3.5 (d) mm (1/8")/8Ω

**Applicable U.S. Military Specification**

Icom makes rugged products that have been tested to and passed the following MIL-STD requirements and strict environmental standards.

Standard	MIL 810F	
	Method	Procedure
Low Pressure	500.4	I, II
High Temperature	501.4	I, II
Low Temperature	502.4	I, II
Temperature Shock	503.4	I
Solar Radiation	505.4	I
Rain Blowing/Drip	506.4	I, III
Humidity	507.4	–
Salt Fog	509.4	–
Dust Blowing	510.4	I
Vibration	514.5	I
Shock	516.5	I, IV

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

**SUPPLIED ACCESSORIES**

(May differ according to version)



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