

IC-F33GT

(VHF transceiver with 10-keypad)

IC-F43GT

(UHF transceiver with 10-keypad)

IC-F33GS

(VHF transceiver without 10-keypad)

IC-F43GS

(UHF transceiver without 10-keypad)

***A new direction
in Land Mobile radios***

- Large channel capacity
- Wide range frequency coverage
- Lithium-ion battery standard
- Multiple tone signaling capabilities
- Built-in audio compander
- Optional SmarTrunk 3G™, voice scrambler, man down and DTMF decoder units

Meets
MIL-STD 810

**BIIS 1200
Compatible**

SPECIFICATIONS

GENERAL

- Frequency range :
IC-F33GT/GS 136–174MHz (U.S.A. and General)
IC-F43GT/GS 400–470MHz (U.S.A. and General)
450–512MHz (U.S.A.)
450–520MHz (General)
- Number of channels : 256 channels/16 banks
- Channel spacing : 12.5kHz/25kHz, 15kHz/30kHz
- PLL channel step : 2.5kHz, 3.125kHz (VHF)
5kHz, 6.25kHz (UHF)
- Antenna impedance : 50Ω
- Usable temperature range : -30°C to +60°C; -22°F to +140°F
- Power supply requirement : 7.2V DC
- Current drain (at 7.2V DC; approx.):
Transmit VHF/UHF 1.5A/1.7A (at 5W/4W)
Receive stand-by 85mA
rated output 300mA
- Dimensions (with BP-231) : 53 (W) × 120 (H) × 32.5 (D) mm;
(projections are not included) 2³/₃₂ (W) × 4²³/₃₂ (H) × 1⁹/₃₂ (D) in
- Weight (approx.) : 285g; 10.0oz (VHF)
(with BP-231 and antenna) 300g; 10.6oz (UHF)

TRANSMITTER

- Output power : 5W (VHF), 4W (UHF)
- Max. frequency deviation : ±5kHz (Wide)
±2.5kHz (Narrow)
- Frequency error : ±2.5ppm
- Spurious emissions : 80dB typ. (VHF)
70dB typ. (UHF)
- Adjacent channel power : 70dB (Wide), 60dB (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
- External 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

- Intermediate frequency : 1st 46.35MHz
2nd 450kHz
- 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 : 45dB typ. (Wide)
40dB 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

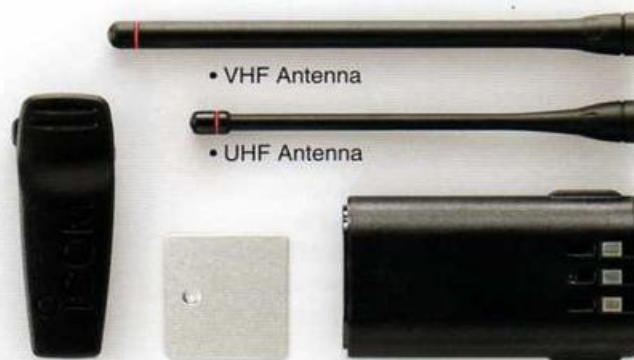
Applicable U.S. Military Specifications

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.
Low Pressure	500.1	I	500.2	I, II	500.3	I, II	500.4	I, II
High Temp.	501.1	I	501.2	I, II	501.3	I, II	501.4	I, II
Low Temp.	502.1	I	502.2	I, II	502.3	I, II	502.4-3	I, II
Temp. Shock	503.1	I	503.2	I	503.3	I	503.4	I
Solar Radiation	505.1	I	505.2	I	505.3	I	505.4	I
Rain	506.1	II	506.2	II	506.3	II	506.4	III
Humidity	507.1	I, II	507.2	II, III	507.3	II, III	507.4	-
Salt Fog	509.1	I	509.2	I	509.3	I	509.4	-
Dust	510.1	I	510.2	I	510.3	I	510.4	I
Vibration	514.2	VIII, X	514.3	I	514.4	I	514.4	I
Shock	516.2	I, II, V	516.3	I, IV	516.4	I, IV	516.5	I, IV

SUPPLIED ACCESSORIES

(May differ according to version)



- Belt clip, MB-94
- Unit cover
- Battery pack, BP-231

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