A new direction in Land Mobile radios

The IC-F33G series is suitable for a variety of needs — large or small, mobile or stationary. Whether you are a large-scale construction site, warehouse, hospital or hotel, or a small on the go messenger service, this radio provides the built-in flexibility to handle your communication needs.

Offering advanced features such as wide frequency range, multiple signaling and loud audio, the IC-F33G series is a rugged and reliable 2-way communications tool. This is the new direction in LMR communications.

Lithium-Ion battery pack
Supplied 2000mAh (typ.) Li-Ion battery pack, BP-232N, provides 15/16 hours* of operating time. Li-Ion technology has virtually no memory charging issues. A rugged dual-rail guide securely locks the battery to the radio. Optional battery case BP-240 provides a convenient back up and great reassurance in an emergency.

* UHF/VHF, Typical operation Tx:Rx: Stand-by=5:5:90, power save on

Wide frequency range and large channel capacity
The IC-F33G series covers a wide frequency range in one version (VHF 136–174 MHz, UHF 400–470MHz or 450–512 MHz). The 256 memory channel capacity with 16 memory zones allows you to divide and store a variety of flexible channel groupings. Easy memory channel selection with a simple rotation of the rotary channel knob.

Small and lightweight body
The IC-F33G series sheds size and weight compared with previous models, weighing just 340g* (including BP-232N) and measuring only 53(W)×120(H)×36.9(D) mm**. The aluminum die-cast chassis and polycarbonate casing combination have been tested to MIL standard specifications.

* 12.0oz ** 23/32(W)×423/32(H)×17/16(D) in

Built-in multi-format tone signaling
Use the built-in CTCSS, DTCS, 2-Tone, 5-Tone or MDC capability to set up your own talk groups and quiet stand-by when others are talking. You can also set up selective calls to individuals or control a repeater.
Multiple 2-Tone, Multiple 5-Tone
Encode or decode up to 10 2-Tone, 8 5-Tone codes on a single memory channel. This is perfect for professionals who require multiple district paging on one channel. When a matched tone is received, the following items are programmable for each code.
- Bell icon
- Answer back
- Stun
- Beep sound
- Auto transmit
- Scan

MDC 1200 compatible
The following selective calling and ANI features are available with the built-in MDC signaling.
- PTT ID
- Radio check
- Caller ID
- Selective call
- Emergency, emergency mic monitoring
- Emergency man down (with UT-124)
- Radio stun/revive
- 500 Aliases
- Status/message
- Call alert

8 programmable buttons
The [P0]–[P3], [▲], [▼], [Red] and [Monitor] buttons are programmable to meet specific needs. The [Red] button on the top panel can be assigned as an emergency trigger.

Alphanumeric display
The 8-character alphanumeric display shows channel, zone, tone code and scanning channel names on the display. A separate row of operational icons indicate battery, signal strength, RX/TX and other radio conditions.

Audio compander
The built-in audio compander reduces noise components and provides clear reception even in narrow band use.

Built-in voice scrambler
The IC-F33G series includes a built-in inversion type voice scrambler in all models. When a more secure system is required, the optional voice scrambler unit UT-109 or UT-110 is available.

Other features
- 8 DTMF autodial memories
- 2 step reduced power setting
- Power on password
- Busy, repeater lockout functions
- Optional man down unit, UT-124
- Programmable wide and narrow channel bandwidth (25/12.5kHz, 30/15kHz) and more...

OPTIONS
Some options may not be available in some countries. Please ask your dealer for details.

### BATTERY PACKS AND CASE

<table>
<thead>
<tr>
<th>Battery packs</th>
<th>Type and capacity</th>
<th>Operating time*</th>
<th>Output power (VHF/UHF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BP-230N</td>
<td>Li-ion, 7.4V 950mAh (min.)</td>
<td>7.35 hours</td>
<td>5W/4W</td>
</tr>
<tr>
<td>BP-232N</td>
<td>Li-ion, 7.4V 1900mAh (min.)</td>
<td>16/15 hours</td>
<td>5W/4W</td>
</tr>
<tr>
<td>BP-240</td>
<td>AAA (LR03) batteries x 6</td>
<td>–</td>
<td>1W</td>
</tr>
</tbody>
</table>

* Operating time is approximate time (at 20°C), Tx:Rx standby=6:5:30. Power save on.

### OPTIONS

- **BATTERY PACKS AND CASE**
  - BP-230N
  - BP-232N
  - BP-240

- **MULTI-CHARGER**
  - BC-121N-AD-106 (6 pcs.)
  - OPC-656
  - BC-157S

- **REGULAR CHARGER**
  - BC-171 DESKTOP CHARGER + BC-147S AC ADAPTER
    - Charges the BP-232N in 10 hours (approx.).
    - BC-145/BC-147SA for 120V AC.
  - BC-160 DESKTOP CHARGER + BC-145S AC ADAPTER
    - Charges the BP-232N in 3 hours (approx.).
    - BC-119N + AD-106 + BC-145S is also available.
    - Charges the BP-232N in 3 hours (approx.).

- **RAPID CHARGER**
  - CP-23L CIGARETTE LIGHTER CABLE, OPC-515L DC POWER CABLE
    - For use with the BC-160 or BC-119N. (12–16V DC required).

- **HEADSETS and PTT/VOX UNIT**
  - S-94: Earhook headset with flexible boom microphone.
  - S-95: Behind-the-head headset with flexible boom microphone.
  - S-97: Throat microphone fits around your neck and picks up speech vibration.
  - VS-1L: PTT/VOX unit. Required when using these headsets with the transceiver.

- **SPEAKER-MICROPHONES**
  - HM-153L: Durable earphone-microphone with revolving clip.
  - HM-155L: Light-weight earphone microphone.
  - HM-156L: Light-weight earphone microphone with revolving clip.
  - SP-13 EARPHONE: Provides clear audio in noisy environments.

- **STUBBY ANTENNAS**
  - FA-SC72U: 400–490MHz
  - FA-SC73US: 450–490MHz
  - FA-SC56V: 150–162MHz
  - FA-SC57V: 160–174MHz
  - FA-SC57VS: 160–174MHz
  - FA-SC61V: 136–174MHz
  - FA-SC61VC: 136–174MHz
  - FA-SC25U: 136–150MHz
  - FA-SC55V: 150–162MHz
  - FA-SC57V: 160–174MHz

- **CUT ANTENNAS**
  - FA-SC55V: 150–162MHz
  - FA-SC61VC: 136–174MHz

- **DESKTOP CHARGER**
  - OPC-515L: DC POWER CABLE

- **POWER SUPPLY CABLES**
  - OPC-656 DC POWER CABLE

- **BELT CLIPS AND LEATHER BELT HANGERS**
  - MB-93: Swivel type belt clip.
  - MB-94: Alligator type. Same as supplied.
  - MB-96N: Swivel type belt hanger.
  - MB-96F: Fixed type belt hanger.

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IC-F33GT/GS • IC-F43GT/GS

SPECIFICATIONS

GENERAL
- Frequency range:
  IC-F33GT/GS: 136–174MHz (U.S.A. and General)
  IC-F43GT/GS: 400–470MHz (U.S.A. and General)
- Number of channels: 256 channels/16 zones
- Type of emission: 11K0F3E, 16K0F3E
- Channel spacing: 12.5kHz/25kHz, 15kHz/30kHz
- 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: 85mA
- Weight (approx.):
  340g; 12.0oz (with BP-232N and antenna)
- Max. frequency deviation: ±5kHz (Wide)
- Frequency stability: ±2.0ppm
- Spurious emissions: 80dB typ. (VHF)
- FM Hum and Noise: 46dB typ. (Wide)
- 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.

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

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<table>
<thead>
<tr>
<th>Standard</th>
<th>MIL-810F Method</th>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Pressure</td>
<td>500.4</td>
<td>I, II</td>
</tr>
<tr>
<td>High temperature</td>
<td>501.4</td>
<td>I, II</td>
</tr>
<tr>
<td>Low Temperature</td>
<td>502.4</td>
<td>I, II</td>
</tr>
<tr>
<td>Temperature shock</td>
<td>503.4</td>
<td>I</td>
</tr>
<tr>
<td>Solar Hailitation</td>
<td>504.4</td>
<td>I</td>
</tr>
<tr>
<td>Rain Blowing/Drip</td>
<td>506.4</td>
<td>I, III</td>
</tr>
<tr>
<td>Humidity</td>
<td>507.4</td>
<td></td>
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<tr>
<td>Salt Fog</td>
<td>509.4</td>
<td>–</td>
</tr>
<tr>
<td>Dust Blowing</td>
<td>510.4</td>
<td>I</td>
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<tr>
<td>Vibration</td>
<td>514.5</td>
<td>I, IV</td>
</tr>
<tr>
<td>Shock</td>
<td>516.5</td>
<td>I, IV</td>
</tr>
</tbody>
</table>
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Also meets equivalent MIL-STD-810-C, -D and -E.

SUPPLIED ACCESSORIES
(May differ according to version)

- VHF Antenna
- UHF Antenna
- Belt clip, MB-94
- Unit cover
- Battery pack, BP-232N

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Count on us!