



GMDSS Portable for Survival Craft

- **Meets the strict environmental requirements for survival craft radio**

The IC-GM1600 meets temperature, thermal shock, vibration and drop resistant (from 1 m height) requirements. After passing those environmental tests, the IC-GM1600 retains 1 m depth waterproof construction as specified by IMO resolutions A.694(17), MSC149(77) and related specifications.

- **Optional high capacity Lithium battery, BP-234, has superior low temperature characteristics**

Provides more than 8 hours operating time even at -20°C .
(Duty cycle: Tx: Rx: Stand-by = 6: 6: 48)

- **Large keypad with positive button action**

- **Wide viewing angle LCD display**

- **Other features**

- One touch access to Channel 16 and call channel
- Highly visible yellow colored body
- Bright LED indicator on the top of panel
- Supports 4-digit channels



GMDSS
VHF MARINE TRANSCEIVER
IC-GM1600

IC-GM1600
VHF MARINE TRANSCEIVER

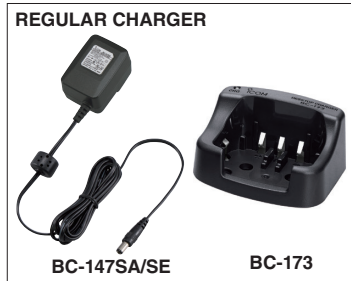
OPTIONS



<For survival craft>
BP-234: Lithium battery pack 9.0 V/3300 mAh primary battery pack for GMDSS survival craft radio.



<For on-board use>
BP-252: Rechargeable Li-ion battery 7.2 V/1000 mAh (min), 1050 mAh (typ.). Same as supplied with some versions.



<For on-board use>
BC-173: DESKTOP CHARGER + **BC-147SA/SE***: AC ADAPTER Regularly charges the battery pack, BP-252 in 10 hours (approx.).
 * BC-147SA for the USA plug. SE for the European plug.



MB-103Y : Alligator type belt clip. Same as supplied.
MB-86 : Swivel belt clip. Prevents accidental dropping from your belt.



MB-96FL : Leather belt hanger for fixed belt clip.



HM-167: Waterproof speaker-microphone equipped with an alligator type clip

SPECIFICATIONS

	IC-GM1600
GENERAL	
Frequency coverage	TX/RX, 156.300–156.875 MHz
Type of emission	16K0G3E (FM)
Power supply requirement	7.2 V DC nominal
Current drain (approximate)	
TX Hi/Low	1.0 A (2 W)/0.7 A (1.2 W)
RX Max. audio	400 mA (Internal SP)/200 mA (External SP)
Antenna impedance	50 Ω (SMA fixed-type)
Operating temperature range	–20°C to +60°C, –4°F to +140°F
Dimensions (W × H × D) (Projections not included)	65 × 145 × 44 mm; 2.6 × 5.7 × 1.7 in
Weight (approximate)	385 g; 13.6 oz (With BP-234)
TRANSMITTER	
Output power (Hi/Low)	2 W/1.2 W
Max. frequency deviation	±5.0 kHz
Frequency error	±5.0 ppm
Audio harmonic distortion	10% (at 60% deviation)
Spurious emissions	–70 dBc typical
Adjacent channel power	70 dB
FM Hum and noise ratio	40 dB
RECEIVER	
Sensitivity	0.20 μV typical (at 12 dB SINAD)
Squelch sensitivity	0.32 μV typical (at threshold)
Adjacent channel selectivity	70 dB typical
Spurious response	70 dB typical
Intermodulation rejection	70 dB typical
Hum and noise	40 dB
Audio output power	
Internal speaker	700 mW typ. (at 10% distortion 8 Ω load)
External speaker	350 mW typ. (at 10% distortion 8 Ω load)

Measurements made in accordance with TIA/EIA-603 and FCC part 80.271. All stated specifications are subject to change without notice or obligation. To comply with the requirements of GMDSS survival craft radio, the primary battery pack, BP-234, is required.

- Supplied accessories:** (* Depending on version)
- Battery pack, BP-252
 - AC adapter, BC-147SA/SE*
 - Antenna, FA-S61V
 - Battery charger, BC-173
 - Belt clip, MB-103Y
 - Neck strap

Some options may not be available in some countries, or unavailable due to no T/A. Please ask your dealer for details.

Read all instructions enclosed with the transceiver carefully and completely before using the transceiver.

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