

# 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.

- **Includes high capacity Lithium battery, BP-234, with superior low temperature characteristics\***

Provides more than 8 hours operating time even at  $-20^{\circ}\text{C}$ .  
(Duty cycle: Tx: Rx: Stand-by = 6: 6: 48)

\*Survival Boat and Survival Boat plus On-Board versions

- **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
- Optional VOX headset for on-board use



**GMDSS**  
VHF MARINE TRANSCEIVER  
**IC-GM1600**

**IC-GM1600**  
VHF MARINE TRANSCEIVER

## OPTIONS



<For survival craft>  
**BP-234** Dated and sealed GMDSS compliant lithium battery for survival craft. 9.0 V/3300 mAh.



<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-96F** : Fixed type belt hanger. Use with MB-103Y.

**MB-96N** : Swivel type belt hanger. Swivel joint of the MB-86 is supplied.

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

## SPECIFICATIONS

		IC-GM1600	
GENERAL		USA version	GEN version
Frequency coverage Tx/Rx		156.300–156.875 MHz	
Type of emission		16K0G3E (FM)	
Power supply requirement		7.5 V DC nominal	
Current drain (approx.)		1.0 A/0.7 A	
Tx 2 W/1 W output		200 mA	
Rx Max. audio			
Antenna impedance		50 Ω (SMA fixed-type)	
Operating temperature range		–20°C to +60°C; –4°F to +140°F	–20°C to +55°C; –4°F to +131°F
Dimensions (W × H × D) (Projections not included)		65 × 145 × 44 mm; 2.6 × 5.7 × 1.7 in	
Weight (approx.)		385 g; 13.6 oz (With BP-234)	
TRANSMITTER			
Output power (Hi/Low)		2 W/1 W	
Max. frequency deviation		±5.0 kHz	
Frequency error		±5.0 ppm	±1.5 kHz
Audio harmonic distortion		10% (at 60% deviation)	
Spurious emissions		–70 dBc typical	0.25 μV (30 MHz–1 GHz) 1.00 μV (1 GHz–2 GHz)
Adjacent channel power		70 dB	
FM Hum and noise ratio		40 dB	–
Residual modulation		–	40 dB
RECEIVER			
Sensitivity		0.25 μV typical (at 12 dB SINAD)	–2dBμ typical emf (at 20dB SINAD)
Squelch sensitivity (at threshold)		0.35 μV typical	–6 dBμ typical emf
Adjacent channel selectivity		70 dB typical	70 dB
Spurious response		70 dB typical	70 dB
Intermodulation rejection		70 dB typical	68 dB
Hum and noise		40 dB	
Audio output power (at 10% distortion 8 Ω load)		350 mW typ.	200 mW

Measurements made in accordance with TIA/EIA-603 and FCC part 80.271 for USA version. ETS 300-225-3 for General version. 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.

### Survival Boat Package Supplied Accessories (GM1600):

- GMDSS compliant battery pack, BP-234
- Antenna, FA-S61V
- Belt clip, MB-103Y
- Neck strap

### Survival Boat and On-Board Package Supplied Accessories (GM1600 21K): (depending on version\*)

- GMDSS compliant battery pack, BP-234
- AC adapter, BC-147SA/SE\*
- Antenna, FA-S61V
- BC-173 Desktop Charger
- Battery pack, BP-252
- Belt clip, MB-103Y
- Neck strap

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

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