

# IC-GM1600



## 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  $-20^{\circ}\text{C}$ .  
(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
- Optional VOX headset for on-board use



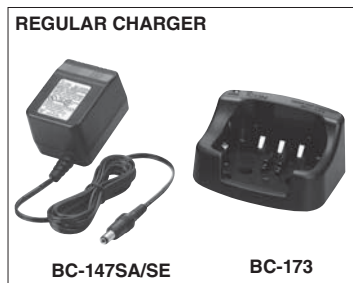
## OPTIONS



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



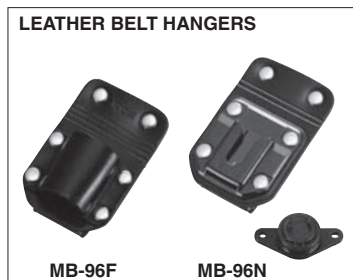
<For on-board use>  
**BP-252** Rechargeable Li-ion battery  
7.4 V/940 mAh (min), 980 mAh (typ.).  
Same as supplied with some versions.



<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.

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

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## 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.

### 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

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