

# IC-GM1600E



## GMDSS Portable for Survival Craft

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

The IC-GM1600E meets temperature, thermal shock, vibration and drop resistant (from 1 m height) requirements. After passing those environmental tests, the IC-GM1600E retains 1m depth waterproof construction as specified by IMO A.809(19), A.694(17), MSC 149(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**

- **Meets MED 96/98/EC, "Wheel mark" requirements**



- **Other features**

- One touch access to Channel 16 and call channel
- Highly visible yellow colored body
- Bright LED indicator on the top of panel
- VOX function built-in for hands-free operation with optional headset (on-board use only)



**SPECIFICATIONS**

**GENERAL**

- Frequency range Tx/Rx : 156.300–156.875MHz
- Mode : FM (16K0G3E)
- Power supply requirement : 7.2V DC nominal
- Current drain (approx. at 7.2/7.5V DC) :
  - Tx 2W output 1.0A
  - 1W output 0.7A
  - Rx AF max. 200mA
- Operating Temp. range : -20°C to +55°C
- Antenna impedance : 50Ω (SMA fixed-type)
- Dimensions (W×H×D) : 65×145×44 mm (projections not included)
- Weight (approx.) : 385g (with BP-234)

**TRANSMITTER**

- Output power : 2W/1W (Hi/Low)
- Max. frequency deviation: ± 5.0kHz
- Frequency error : ± 1.5kHz
- Spurious emissions : 0.25μW (30MHz–1GHz)  
1.00μW (1GHz–2GHz)
- Adjacent channel power : 70dB
- FM Hum and noise ratio : 40dB
- Audio harmonic distortion : Less than 10% (at 60% dev.)

**RECEIVER**

- Sensitivity (20dB SINAD) : -2dBμ typ. (emf)
- Squelch sensitivity : ±0dBμ typ. (emf) (at threshold)
- Adjacent channel selectivity : 70dB
- Spurious response : 70dB
- Intermodulation rejection : 68dB
- Hum and noise ratio : 40dB
- Audio output power : 0.2W (at 10% distortion with an 8Ω load)

Measurement made in accordance with IEC61097-12.

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.

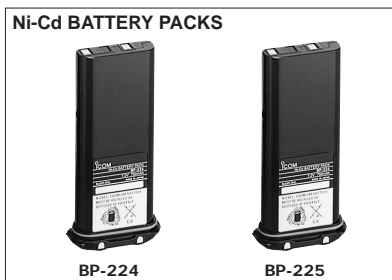
**Supplied accessories:** (\* Depending on version)

- Battery pack, BP-224
- Battery charger, BC-158\*
- AC adapter, BC-147E\*
- Belt clip, MB-103Y
- Antenna, FA-S61V (fixed)
- Neck strap

**OPTIONS**



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



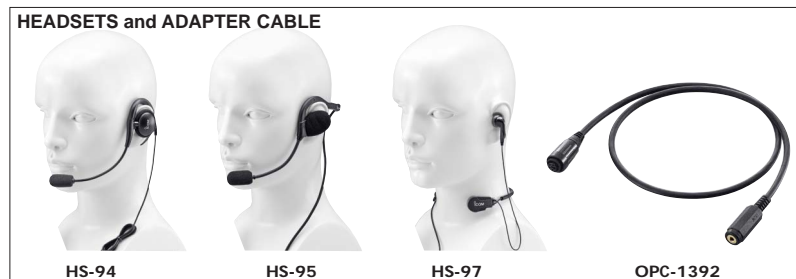
**<For on-board use>**  
**BP-224/BP-225 Ni-Cd BATTERY PACKS**  
 BP-224 : 7.2V/750mAh. Same as supplied.  
 BP-225 : 7.2V/1100mAh.



**<For on-board use>**  
**BC-158 DESKTOP CHARGER**  
**+ BC-147E AC ADAPTER**  
 Regularly charges BP-224 in 8–12 hours and BP-225 in 12–18 hours.



**MB-103Y BELT CLIP**  
 Alligator type belt clip. Same as supplied.



**<For on-board use>**  
**HS-94/HS-95/HS-97 HEADSETS + OPC-1392 HEADSET ADAPTER CABLE**  
 \* These headsets are not waterproof.  
**HS-94:** Earhook headset with flexible boom microphone.  
**HS-95:** Behind-the-head headset with flexible boom microphone.  
**HS-97:** Throat microphone fits around your neck and picks up a speech vibration.  
**OPC-1392 :** Required when using these headsets with the transceiver.



**<For on-board use>**  
**HM-125**  
**SPEAKER MICROPHONE**  
 Full sized, waterproof construction corresponds to IPX7 (1 m depth /30 min.).

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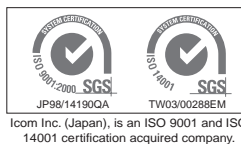
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