

# 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 resolutions A.809(19), A.694(17) 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)
- Hand strap

## OPTIONS

## LITHIUM BATTERY PACK



BP-234

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

## Ni-Cd BATTERY PACKS



BP-224

BP-225

<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.

## REGULAR CHARGER



BC-147E

BC-158

<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.

## BELT CLIP



MB-103Y

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

## HEADSETS and ADAPTER CABLE



HS-94

HS-95

HS-97

OPC-1392

<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.

## SPEAKER-MICROPHONE



HM-125

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

Icom Inc. 1-1-32, Kamiminami, Hirano-ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (06) 6793 0013

URL: <http://www.icom.co.jp/world/index.html>

Count on us!

## Icom America Inc.

2380 116th Avenue NE,  
Bellevue, WA 98004, U.S.A.  
Phone: +1 (425) 454-8155  
Fax: +1 (425) 454-1509  
E-mail: [sales@icomamerica.com](mailto:sales@icomamerica.com)  
URL: <http://www.icomamerica.com>

## Icom New Zealand

146A Harris Road, East Tamaki,  
Auckland, New Zealand  
Phone: +64 (09) 274 4062  
Fax: +64 (09) 274 4708  
E-mail: [inquiries@icom.co.nz](mailto:inquiries@icom.co.nz)  
URL: <http://www.icom.co.nz>

## Icom (UK) Ltd.

Unit 9, Sea St., Herne Bay,  
Kent, CT6 8LD, U.K.  
Phone: +44 (0)1227 741741  
Fax: +44 (0)1227 741742  
E-mail: [info@icomuk.co.uk](mailto:info@icomuk.co.uk)  
URL: <http://www.icomuk.co.uk>

## Asia Icom Inc.

6F No. 68, Sec. 1 Cheng-Teh Road,  
Taipei, Taiwan, R.O.C.  
Phone: +886 (02) 2559 1899  
Fax: +886 (02) 2559 1874  
E-mail: [sales@asia-icom.com](mailto:sales@asia-icom.com)  
URL: <http://www.asia-icom.com>

Your local distributor/dealer:

## Icom Canada

Glenwood Centre #150-6165 Highway 17,  
Delta, B.C., V4K 5B8, Canada  
Phone: +1 (604) 952-4266  
Fax: +1 (604) 952-0090  
E-mail: [info@icomcanada.com](mailto:info@icomcanada.com)  
URL: <http://www.icomcanada.com>

## Icom (Europe) GmbH

Communication Equipment  
Himmelgeister Str. 100,  
D-40225 Düsseldorf, Germany  
Phone: +49 (0)211 346047  
Fax: +49 (0)211 333639  
E-mail: [info@icom-europe.com](mailto:info@icom-europe.com)  
URL: <http://www.icomeurope.com>

## Icom France S.a

Zac de la Plaine, 1,  
Rue Brindejone des Moulinais BP 5804,  
31505 Toulouse Cedex, France  
Phone: +33 (5) 61 36 03 03  
Fax: +33 (5) 61 36 03 00  
E-mail: [icom@icom-france.com](mailto:icom@icom-france.com)  
URL: <http://www.icom-france.com>

## Beijing Icom Ltd.

1305, Wanshang Plaza, Shijingshan Road,  
Beijing, China  
Phone: +86 (010) 6866 6337  
Fax: +86 (010) 6866 3553  
E-mail: [bjicom@bjicom.com](mailto:bjicom@bjicom.com)  
URL: <http://www.bjicom.com>

## Icom (Australia) Pty. Ltd.

A.B.N. 88 006 092 575  
290-294 Albert Street, Brunswick,  
Victoria, 3056, Australia  
Phone: +61 (03) 9387 0666  
Fax: +61 (03) 9387 0022  
E-mail: [sales@icom.net.au](mailto:sales@icom.net.au)  
URL: <http://www.icom.net.au>

## Icom Spain S.L.

Ctra. de Gracia a Manresa Km. 14,750  
08190 Sant Cugat del Valles Barcelona, Spain  
Phone: +34 (93) 590 26 70  
Fax: +34 (93) 589 04 46  
E-mail: [icom@icomspain.com](mailto:icom@icomspain.com)  
URL: <http://www.icomspain.com>

## Icom Polska

Sopot, 3 maja 54, Poland  
Phone: +48 (58) 550 7135  
Fax: +48 (58) 551 0484  
E-mail: [icomspolska@icomspolska.com.pl](mailto:icomspolska@icomspolska.com.pl)  
URL: <http://www.icomspolska.com.pl>



Icom Inc. (Japan), is an ISO 9001 and ISO 14001 certification acquired company.