



VHF MARINE TRANSCEIVER

IC-M88



Not Just Another Marine Radio!

Tough construction, superior waterproofing

The IC-M88 is built tough to withstand hazardous and un hospitable environments at sea and on land. Even if the IC-M88 is dropped into water, complete waterproofing* will protect it from harm. The compact and durable body meets the military specifications (MIL-STD).

* Equivalent to JIS waterproof grade 7. (1m depth for 30 minutes)

Simple operation

6 clearly labelled buttons on the front panel and the volume/power knob maximize simplicity of operation. Even when wearing gloves, the large buttons are easy to operate. A large, clear LCD with backlighting and backlit buttons make night time operation simple.

Li-Ion battery for extra long battery life

With the standard 1700mAh Li-Ion battery pack, the BP-227, you can get up to 15 hours of talk time* without worrying about 'memory effect' on batteries. An optional AA alkaline battery case, BP-226, provides a convenient back up and great reassurance in an emergency.

* Typical operation; Tx:Rx:Stand-by duty ratio = 5:5:90

Waterproof speaker-microphone, HM-138

An optional waterproof speaker-microphone, the HM-138, provides reliable operation, even with the IC-M88 securely on your belt.

Powerful 5 Watts output power

The 5 Watts of output power ensures the reliability of your communication, even over long distances. To save on battery consumption, you can reduce the output power to 3 Watts or 1Watt.

22 free channels for land use

The IC-M88 has 22 free channels reserved for Land use (146-174MHz). Wide/narrow channel spacing is programmable for each channel, and CTCSS and DTCS signaling is built-in.

*Appropriate license will be required.

Desktop charger supplied

The BC-152 desktop charger is a simple drop-in charger. Set the charger on a table or mount it to a wall.



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ADDITIONAL FEATURES

- Auto WX scan and WX Alert function (U.S.A. version only)
- Simple Up/Down switches for operating channel selection
- Instant access to Ch. 16 and Ch. 9 (or call channel)
- Simple add/delete TAG scanning operation
- Monitor button opens squelch
- Automatic scan function

- 2 step power saver
- Key lock function
- Battery indicator shows remaining battery power in 4 levels
- Beep sound is programmable for each button
- The self check function checks internal temperature, connected battery voltage (over voltage detection), and water intrusion

SPECIFICATIONS

GENERAL

- Frequency range :
 - Marine Tx 156.025–157.425MHz
 - Rx 156.050–163.275MHz
 - LMR Tx/Rx 146.000–174.000MHz
- Usable channels* :
 - All U.S.A., International and Canadian channels;
 - 22 LMR channels plus 10 weather channels
- Channel spacing :
 - Marine 25kHz
 - LMR 25/12.5kHz
- PLL channel step (LMR) : 5/6.25/7.5kHz
- Current drain (at 7.2V DC) :
 - Tx (at 5W output) 1.6A
 - Rx (at AF max.) 200mA
- Operating temp. range (Except BP-227):
 - Marine –20°C to +60°C; –4°F to +140°F
 - LMR –30°C to +60°C; –22°F to +140°F
- Antenna impedance : 50Ω (SMA)
- Dimensions (W×H×D) : 62×97×39 mm; (proj. not included) 27¹/₁₆×3¹³/₁₆×1¹⁷/₃₂ in
- Weight (approx.; with BP-227): 280g; 9.9oz

TRANSMITTER

- Output power (Hi/Mid/Low) : 5/3/1W
- Modulation system : Variable reactance frequency modulation
- Max. frequency deviation :
 - Marine ± 5.0kHz
 - LMR (wide/narrow) ± 5.0/2.5kHz
- Audio harmonic distortion : Less than 10% (at 60% mod.)
- Spurious emissions : –70dBc typical
- Adjacent channel power :
 - Marine 70dB
 - LMR (wide/narrow) 70/60dB
- Hum and noise ratio :
 - Marine 40dB
 - LMR (wide/narrow) 40/34dB

RECEIVER

- Modulation system : Double-conversion superheterodyne
- Sensitivity (at 12dB SINAD) : 0.25μV typical
- Squelch sensitivity : 0.35μV typical (at threshold)
- Adjacent Ch. selectivity :
 - Marine 70dB typical
 - LMR (wide/narrow) 70/60dB typical
- Spurious response : 70dB typical
- Intermodulation rejection : 70dB typical
- Hum and noise ratio :
 - Marine 40dB
 - LMR (wide/narrow) 40/34dB
- Audio output power : 0.35W typical (at 10% distortion with an 8Ω load)

(* Varies according to version.)

Supplied accessories:

- Battery pack • Battery charger • AC adapter*
 - Swivel belt clip • Antenna, FA-S59V • Hand strap
- (* Varies according to version.)

The IC-M88 meets MIL-STD requirement and strict environmental standards for shock (MIL 810 C, D, E) and vibration (MIL 810 C, D, E).

Measurement made in accordance with TIA/EIA-603. All stated specifications are subject to change without notice or obligation.

OPTIONS

BP-226 BATTERY CASE

Battery case for AA (R6)×5 alkaline cells.

BP-227 Li-Ion BATTERY PACK

7.2V/1700mAh Li-Ion battery pack. Provides 15 hours operating time* (approx. at 5 Watts). The same as that supplied. Operating temp. range: –20°C to +60°C; –4°F to +140°F

* Tx (Hi): Rx: standby=5:5:90

BC-152 DESKTOP CHARGER

Regularly charges the BP-227 in 9-10 hours. The same as that supplied.

BC-119N DESKTOP CHARGER

+ AD-100 CHARGER ADAPTER

+ BC-145A/E/V AC ADAPTER

For rapid charging of battery pack. An AC adapter is supplied depending on version. Charging time: 2.5–3 hours.

BC-121N MULTI-CHARGER

+ AD-100 CHARGER ADAPTER

+ BC-124 AC ADAPTER

For rapid charging of up to 6 battery packs (Six AD-100s are required). Charging time: 2.5–3 hours.

CP-17L CIGARETTE LIGHTER

CABLE WITH NOISE FILTER

OPC-515L DC POWER CABLE

For use with the battery charger, BC-152 or BC-119N, instead of the AC adapter. (12–16 V DC required)

OPC-656 DC POWER CABLE

For use the BC-121N with a DC power supply. (12–16V DC required)

HM-138 SPEAKER-MICROPHONE

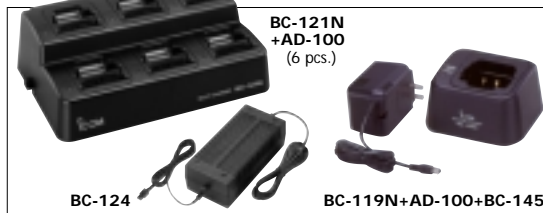
Full sized, waterproof construction corresponds to JIS grade 7 (1 m/30 min.). Equipped with an alligator type clip.

MB-79 BELT CLIP

Standard type belt clip.

MB-86 SWIVEL BELT CLIP

Swivel belt clip. Prevents accidental dropping from your belt. The same as that supplied.



Icom Inc.

1-1-32, Kamiminami, Hirano-ku, Osaka 547-0003, Japan Phone: 06 6793 5302 Fax: 06 6793 0013 URL: <http://www.icom.co.jp/world/index.html>

Count on us!

Icom America Inc.

<Corporate Headquarters>
2380 116th Avenue N.E., Bellevue, WA 98004, U.S.A.
Phone: (425) 454-8155 Fax: (425) 454-1509
URL : <http://www.icomamerica.com>
<Customer Service> Phone : (425) 454-7619

Icom Canada

Glenwood Centre #150-6165 Highway 17,
Delta, B.C., V4K 5B8, Canada
Phone: (604) 952-4266 Fax: (604) 952-0090
URL : <http://www.icomcanada.com>

Icom (Australia) Pty. Ltd.

A.B.N. 88 006 092 575
290-294 Albert Street, Brunswick, Victoria, 3056, Australia
Phone: 03 9387 0666 Fax : 03 9387 0022
URL : <http://www.icom.net.au>

Icom New Zealand

146A Harris Road, East Tamaki, Auckland, New Zealand
Phone: 09 274 4062 Fax : 09 274 4708
URL : <http://www.icom.co.nz>

Icom (Europe) GmbH

Communication Equipment
Himmelgeister Str. 100, D-40225 Düsseldorf, Germany
Phone: 0121 346047 Fax : 0211 333639
URL : <http://www.icomeurope.com>

Icom Spain S.L.

Ctra. de Gracia a Manresa Km. 14,750
08190 Sant Cugat del Valles Barcelona, SPAIN
Phone: (93) 590 26 70 Fax : (93) 589 04 46
URL : <http://www.icomspain.com>

Icom (UK) Ltd.

Unit 9, Sea St., Herne Bay, Kent, CT6 8LD, U.K.
Phone: 01227 741741 Fax : 01227 741742
URL : <http://www.icomuk.co.uk>

Icom France S.a

Zac de la Plaine, Rue Brindejonc des Moulinais
BP 5804, 31505 Toulouse Cedex, France
Phone: 561 36 03 03 Fax : 561 36 00 00
URL : <http://www.icom-france.com>

Asia Icom Inc.

6F No. 68, Sec. 1 Cheng-Teh Road,
Taipei, Taiwan, R.O.C.
Phone: (02) 2559 1899 Fax : (02) 2559 1874
URL : <http://www.asia-icom.com>

Beijing Icom Ltd.

1305, Wanshang Plaza, Shijingshan Road,
Beijing, China
Phone: (010) 6866 6337 Fax : (010) 6866 3553



Certificate Number Q14190

Icom Inc. (Japan), is an ISO9001 certification acquired company.

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