

ICOM

VHF MARINE TRANSCEIVER

IC-M23

FLOAT'N FLASH



Icom pioneered the floating VHF marine radio, and others followed. Setting a new trend yet again, the IC-M23 floats and lets you know where it is with the flashing feature. The radio flashes in the water, even when the power is off! And for a buoyant radio, it is small and lightweight and easy to carry around.

FEATURES

Float'n flash*

With its innovative flashing red LED light, an overboard IC-M23 is easy to find, day or night. The light flashes even if the radio is turned off.

* US patent pending.

Small and lightweight body

As a buoyant VHF marine transceiver, the IC-M23 is small and lightweight and easy to carry around.

Energy-saving 3.7V circuitry*

The IC-M23 is powered by the 3.7V Lithium-ion battery pack, BP-266, to reduce the capacity and weight of the radio. A newly developed PA circuit provides 5W (approx.) RF output and powerful 600mW (typ.) audio even at this low

voltage, while saving battery consumption for 10 hours of operating time.*

* Typical operation with Tx (Hi): Rx: standby=5:5:90.
US patent: 8,295,796.

Easy to see large LCD

The large, easy to see LCD (32×16 mm) offers a clear 2-digit channel number indication.



Built-in regular charger circuitry

Recharge the IC-M23 by plugging the wall charger directly in to the radio. By eliminating exposed metal charging points, the IC-M23 is even more protected from water damage.

Volume loud and mute functions

The volume loud/mute functions temporarily change the volume to the maximum/minimum level with two touches of a button. Depending on the background noise level, you can easily change the volume level to capture the received message.

Other features

- Waterproof construction equivalent to IPX7 (1m depth for 30 minutes)
- Dual/Tri-watch functions • Auto scan function
- One-touch access to Ch 16
- 4-step battery life indicator
- Tag scan and Favorite channel functions
- LCD and keypad back lighting
- AquaQuake™ draining function

SPECIFICATIONS

GENERAL

- Frequency range : TX 156.000–161.450MHz
RX 156.000–163.425MHz
- Usable channel groups : INT, USA* channels;
70 programmable channels
(* Depending on version)
- Type of emission : 16K0G3E (FM)
- Current drain (at 3.7V DC) : Tx High 2.3A
Rx AF max. 350mA typ.
Power save 8mA typ.
- Operating temp. range : -15°C to +55°C
- Antenna impedance : 50Ω (Stud)
- Dimensions (W×H×D) : 58.5×128.5×34.5 mm
(projections not included)
- Weight (approx.) : 260g (With BP-266, FA-SC58V,
MB-124)

TRANSMITTER

- Output power (Hi/Low) : 5W/1W approx.
* German version 1W/0.5W typ.
- Max. frequency deviation : ±5.0kHz
- Frequency stability : ±1.5kHz
- Spurious emissions : 0.25μW
- Adjacent channel power : 70dB
- Audio harmonic distortion : Less than 10% (at 60% dev.)
- Residual modulation : 40dB

RECEIVER

- Sensitivity (20dB SINAD) : -4dBμ emf typical
- Squelch sensitivity : -6dBμ emf typical (threshold)
- Adjacent Ch. selectivity : 70dB
- Spurious response : 70dB
- Intermodulation rejection : 68dB
- Hum and noise ratio : 40dB
- Audio output power : 200mW
600mW typ. (@ 1kHz)
(at 10% distortion, 8Ω load)

Applicable IP Rating and environmental test

Ingress Protection Standard	
Waterproof	IPX7 (Waterproof protection)

Environmental Test Standard	
Vibration	IEC60945

Supplied accessories:



- Wall charger, BC-199S*
- Battery pack, BP-266
- Belt clip, MB-124
- Antenna, FA-SC58V
- Hand strap (* Not supplied depending on version.)

Measurements made in accordance with EN 301 178-2. All stated specifications are subject to change without notice or obligation.

OPTIONS

Some options may not be available in some countries. Please ask your dealer for details.

Rechargeable Li-ion battery pack



BP-266 3.7V,
1500/1590 mAh (min./typ.)

WALL CHARGER



BC-199S* Charges BP-266 in
8.5 hours (approx.).

RAPID DESKTOP CHARGER



BC-145S* BC-119N+AD-123*
Charges BP-266 in 2.5 hours.
(approx.).

CIGARETTE LIGHTER CABLE with built-in DC-DC converter



CP-24

BELT CLIP



MB-124

ANTENNA



FA-SC58V

* BC-199SA/BC-145SA for 120V AC. SE for 230V AC. SV for 240V AC. BP-266 must be removed from the radio for charging in the BC-119N.



The "3D GENUINE Icom label" is attached to the rear chassis under the battery.
Check the Icom website for details: <http://www.icom.co.jp/world/genuine-info/>

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

www.icom.co.jp/world

Count on us!

Icom America Inc.

12421 Willows Road NE,
Kirkland, WA 98034, U.S.A.
Phone: +1 (425) 454-8155
Fax: +1 (425) 454-1509
E-mail: sales@icomamerica.com
URL: <http://www.icomamerica.com>

Icom (Europe) GmbH

Communication Equipment
Auf der Krautweide 24
65812 Bad Soden am Taunus, Germany
Phone: +49 (6196) 76685-0
Fax: +49 (6196) 76685-50
E-mail: info@icom-europe.com
URL: <http://www.icomeurope.com>

Icom France s.a.s.

Zac de la Plaine,
1 Rue Brindejonc des Moulinais, BP 45804,
31505 Toulouse Cedex 5, France
Phone: +33 (5) 61 36 03 03
Fax: +33 (5) 61 36 03 00
E-mail: icom@icom-france.com
URL: <http://www.icom-france.com>

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
URL: <http://www.asia-icom.com>

Your local distributor/dealer:

Icom Canada

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

Icom Spain S.L.

Ctra. Rubi, No. 88 "Edificio Can Castanyer"
Bajos A 08174, Sant Cugat del Valles,
Barcelona, Spain
Phone: +34 (93) 590 26 70
Fax: +34 (93) 589 04 46
E-mail: icom@icomspain.com
URL: <http://www.icomspain.com>

Icom (Australia) Pty. Ltd.

Unit 1 / 103 Garden Road,
Clayton, VIC 3168 Australia
Phone: +61 (03) 9549 7500
Fax: +61 (03) 9549 7505
E-mail: sales@icom.net.au
URL: <http://www.icom.net.au>

Icom Brazil

Rua Itororó, 444 Padre Eustáquio
Belo Horizonte MG,
CEP: 30720-450, Brazil
Phone: +55 (31) 3582 8847
Fax: +55 (31) 3582 8987
E-mail: sales@icombrasil.com

Icom (UK) Ltd.

Blacksole House, Altira Park,
Herne Bay, Kent, CT6 6GZ, U.K.
Phone: +44 (0) 1227 741741
Fax: +44 (0) 1227 741742
E-mail: info@icomuk.co.uk
URL: <http://www.icomuk.co.uk>

Icom New Zealand

39C Rennie Drive, Airport Oaks,
Auckland, New Zealand
Phone: +64 (09) 274 4062
Fax: +64 (09) 274 4708
E-mail: info@icom.co.nz
URL: <http://www.icom.co.nz>