


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
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
(at 10% distortion, 8Ω load) 600mW typ. (@ 1kHz)

Applicable IP Rating and environmental test

Ingress Protection Standard	
Waterproof	IPX7 (Waterproof protection)
Environmental Test Standard	
Vibration	IEC60945

Supplied accessories:



- Wall charger, BC-199S*
- Belt clip, MB-124
- Hand strap
- Battery pack, BP-266
- Antenna, FA-SC58V
- (* 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.

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.

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