

ICOM

VHF MARINE TRANSCEIVER

IC-M24

# FLOAT'N FLASH



Icom pioneered the floating VHF marine radio, and others followed. Setting a new trend yet again, the IC-M24 floats and lets you know where it is with the flashing feature. The radio flashes in the water, even when the power is off! It is smaller and lighter than any other floating marine handheld too.



## FEATURES

### Float'n flash\*

With its innovative flashing red LED light, an overboard IC-M24 is easy to find, day or night. The light flashes even if the radio is turned off.

\* US patent pending.

### Smallest and lightest in the world

As a floating VHF marine transceiver, the IC-M24 has the smallest and lightest body in the world.\*

\* As of December, 2010, researched by Icom.

### Energy-saving 3.7V circuitry

The IC-M24 is powered by the 3.7V Lithium-Ion battery pack, BP-266, to reduce the volume 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 pending.

### 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-M24 by plugging the wall charger directly in to the radio. By eliminating exposed metal charging points, the IC-M24 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

- Submersible 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
- Weather channel with weather alert (USA version)
- AquaQuake™ draining function

## SPECIFICATIONS

### GENERAL

- Frequency range :
  - TX 156.025–157.425MHz
  - RX 156.050–163.275MHz
- Usable channel groups : INT, USA, CAN, WX channels
- 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 : -20°C to +60°C; -4°F to +140°F
- Antenna impedance : 50Ω (Stud)
- Dimensions (W×H×D) : 58.5×128.5×34.5 mm; (projections not included) 2.3×5.06×1.36 in
- Weight (approx.) : 260g; 9.2oz (With BP-266, FA-SC58V, MB-124)

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

### TRANSMITTER

- Output power (Hi/Low) : 5W/1W approx.
- Max. frequency deviation : ±5kHz
- Frequency stability : ±10ppm
- Spurious emissions : -68dBc typ.
- Adjacent channel power : 70dB
- Audio harmonic distortion : Less than 10% (at 60% dev.)
- Residual modulation : 40dB

### RECEIVER

- Sensitivity (at 12dB SINAD) : 0.25μV typ.
- Squelch sensitivity : 0.35μV typ. (at threshold)
- Adjacent channel selectivity : 70dB typ.
- Spurious response : 70dB typ.
- Intermodulation rejection : 70dB typ.
- Hum and noise ratio : 40dB
- Audio output power : 600mW typ. (at 10% distortion, 8Ω load)

### Applicable IP Rating and environmental test

Ingress Protection Standard	
Waterproof	IPX7 (Submersible protection)

  

Environmental Test Standard	
Vibration	IEC60945

### Supplied accessories:



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

## 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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## Icom Inc.

1-1-32, Kami-minami, Hirano-ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (06) 6793 0013

[www.icom.co.jp/world](http://www.icom.co.jp/world)

## 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 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 (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](mailto:sales@icom.net.au)  
URL : <http://www.icom.net.au>

### 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 (Europe) GmbH

Communication Equipment  
Auf der Krautweide 24  
65812 Bad Soden am Taunus, Germany  
Phone : +49 (6196) 76685-0  
Fax : +49 (6196) 76685-5  
E-mail : [info@icomeurope.com](mailto:info@icomeurope.com)  
URL : <http://www.icomeurope.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) 590 44 46  
E-mail : [icom@icomspain.com](mailto:icom@icomspain.com)  
URL : <http://www.icomspain.com>

### Icom (UK) Ltd.

Blacksole House, Altira Park,  
Herne Bay, Kent, CT6 6GZ, U.K.  
Phone : +44 (01227) 741741  
Fax : +44 (01227) 741742  
E-mail : [info@icomuk.co.uk](mailto:info@icomuk.co.uk)  
URL : <http://www.icomuk.co.uk>

### 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](mailto:icom@icom-france.com)  
URL : <http://www.icom-france.com>

### Icom Polska

81-850 Sopot, ul. 3 Maja 54, Poland  
Phone : +48 (58) 550 7135  
Fax : +48 (58) 551 0484  
E-mail : [icompolska@icompolska.com.pl](mailto:icompolska@icompolska.com.pl)  
URL : <http://www.icompolska.com.pl>

### 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: