



VHF MARINE TRANSCEIVER IC-M36



"Automatic Volume Adjustment"

"Noise Cancelling Mic"

"Loud: Instant Maximum Audio"

- "Motor boats"
- "Engine noise"
- "Personal watercraft"
- "700W Audio with BTL Amp"
- "Forklifts and wharf"
- "Roar of waves"
- "Large cargo vessels and tug boats"
- "Wharf Crane"
- "Gusts of wind"
- "Engine noise"
- "Personal watercraft"

CLEAR VOICE BOOST

(Clear Voice + Voice Boost)

In marine environments there are many sources of noise that can affect the quality of your communications, such as engine noise, breaking surf and more. The IC-M36 automatically adjusts the outgoing voice and the incoming audio to compensate for the ambient noise level: whether you're in a loud environment or in a quiet area, the IC-M36 ensures your radio conversation is sent and received as clearly as possible.

And yes, it floats too!

Continuing the legacy of the IC-M34, the IC-M36 floats back up to the surface if dropped overboard, even if the optional speaker microphone, HM-165, is attached.



FLOATING

Submersible
1m depth for 30 minutes

Rugged
MIL-STD 810

LOUD button

When you need an instant "boost" in the volume, a simple push of the "LOUD" button gives you full volume immediately. In addition, holding the "LOUD" button mutes the audio output.

Noise cancelling microphone

The sub-microphone on the rear panel inverts phase and cancels out ambient noise from the main microphone. As a result, the IC-M36 reduces the affect of background noise (particularly treble noise) from the transmitted signal and makes it easier to catch voice communication.

Automatic volume adjustment

When in an engine room or high noise environment, the sub-microphone detects the ambient noise and the IC-M36 automatically increases the volume output to suit the surrounding environment.

Low power consumption

Although the IC-M36 delivers a high 6 W RF output and 700 mW audio output, its current saving circuit offers a practical 8 hours* of operating time with the supplied 980 mAh Lithium-Ion battery pack.

* Typical operation with Tx (Hi): Rx: standby=5:5:90

Large buttons and slim dimensions

Thanks to the large, easy-to-operate buttons, the IC-M36 provides intuitive operation. A pinched-waist slender body makes it easy to hold and carry the radio, and is surprisingly compact for a floating radio.

Other features

- Waterproof construction equivalent to IPX7 (1 m depth of water for 30 minutes)
- Dual/Tri-watch functions
- Weather channel with weather alert
- 4-step battery life indicator
- Auto scan function
- Instant access to Ch 16 or Ch 9

SPECIFICATIONS

GENERAL

- Frequency range :
 - Tx 156.025–157.425 MHz
 - Rx 156.050–163.275 MHz
- Usable channel groups : INT, USA, CAN, WX channels
- Type of emission : 16K0G3E (FM)
- Current drain (at 7.4 V DC) :
 - Tx 1.5 A typical
 - Rx 6 W output 300 mA typ. (Internal SP)
 - AF max. 200 mA typ. (External SP)
- Power save : 10 mA typ.
- Operating temp. range : -20°C to +60°C; -4°F to +140°F
- Antenna impedance : 50 Ω (STUD)
- Dimensions (W×H×D) : 62×139.5×43 mm; (projections not included)
- Weight (approx.) : 295 g; 10.4 oz (With BP-252, FA-SC58V, MB-109)

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

TRANSMITTER

- Output power (Hi/Low) : 6 W/1 W
- 2 W/1 W (Alkaline cells)
- Max. frequency deviation : ± 5 kHz
- Frequency error : ± 10 ppm
- Spurious emissions : -68 dBc typ.
- Adjacent channel power : 70 dB
- Audio harmonic distortion : Less than 10% (at 60% dev.)
- Residual modulation : 40 dB

RECEIVER

- Sensitivity (at 12 dB SINAD) : 0.25 μV typ.
- Squelch sensitivity : 0.35 μV typ. (at threshold)
- Adjacent Ch. selectivity : 70 dB typ.
- Spurious response : 70 dB typ.
- Intermodulation rejection : 70 dB typ.
- Hum and noise ratio : 40 dB
- Audio output power (at 10% distortion) :
 - Internal speaker 700 mW typ. (16 Ω load)
 - External speaker 350 mW typ. (8 Ω load)

Applicable U.S. Military Specifications & IP Rating

Standard	MIL 810 F	
	Method	Procedure
Low Pressure	500.4	I, II
High Temperature	501.4	I, II
Low Temperature	502.4	I, II
Solar Radiation	505.4	I
Rain	506.4	I, III
Humidity	507.4	-
Salt fog	509.4	-
Dust	510.4	I
Immersion	512.4	I
Vibration	514.5	I
Shock	516.5	I, IV

Also meets equivalent MIL-STD-810-C, -D and -E.

Ingress Protection Standard

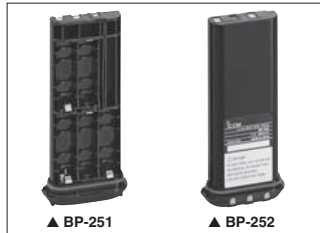
Dust & Water	IP57 (Dust-protection and waterproof protection)
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Supplied accessories: (* Not supplied, depending on version)

- Battery pack, BP-252
- AC adapter, BC-147*
- Antenna, FA-SC58V
- Battery charger, BC-173*
- Belt clip, MB-109
- Hand strap *

OPTIONS

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



- BP-251 BATTERY CASE**
Battery case for AAA (LR03)×5 alkaline cells. Output power: 2 W.
- BP-252 RECHARGEABLE Li-Ion BATTERY PACK**
7.4 V, 950 mAh (min.) 980 mAh (typ.). Provides 8 hours operating time (approx.). (Typical operation with Tx (Hi): Rx: standby=5:5:90)



- BC-173 DESKTOP CHARGER**
+ **BC-147*** AC ADAPTER
Charges the battery pack, BP-252, in 10 hours (approx.).

*1 BC-147SA for USA plug, BC-147SE for Europe plug, BC-147SV for Australia plug.
*2 BC-123SA for USA plug, BC-145SE for Europe plug, BC-145SV for Australia plug, BC-145SUK for UK plug.



- BC-162 DESKTOP CHARGER**
+ **BC-145/BC-123*** AC ADAPTER
Rapidly charges the battery pack, BP-252, in 2 hours (approx.).



- HM-165 SPEAKER-MICROPHONE**
Waterproof construction equivalent to IPX7 (1 m depth for 30 min.).



- MB-109 BELT CLIP**
Alligator type. Same as supplied.



- FA-SC58V ANTENNA**
Soft flexible antenna. Same as supplied.

Please note : The noise cancellation can produce little or no effect in some conditions depending on type of noise, or the position and distance between the noise source and the microphone, etc.

The noise cancellation does not work when an optional external speaker-microphone is connected.

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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!

Your local distributor/dealer:

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@icomeurope.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>

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>

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>