



VHF MARINE TRANSCEIVER

IC-M71

The radio with MORE :

- More Power (6 Watts)
- More Waterproof (IPX8)
- More Form Factor
(Easy to hold and operate)
- More Convenience
(Hands-free with internal VOX*)

* Optional headset required.



Compact Body, Great "Form Factor"

A compact design, hourglass body-shape and comfortable side grips give the IC-M71 an outstanding "form factor"—Perfect for one handed use!

Highest available power! 6 Watts

The IC-M71's 6 Watts*¹ of transmit power can carry a conversation a long way. A large capacity 2000mAh Lithium-Ion battery allows for 15–16 hours of operation, under normal conditions*².

*¹ 1W for FRG version, *² 5% Transmit, 5% Receive, 90% Stand-by

600mW AF output

The built-in BTL amp doubles the audio output and delivers a loud 600mW audio from the internal speaker. You can hear a call even in noisy environments.

Advanced Waterproofing (IPX8)

The IC-M71 offers Icom's best-ever protection against water intrusion. This radio has been tested to survive after being submerged in 1.5m (4.9ft) depth of water for 30 minutes.

Wide Viewing Angle LCD

A wide viewing angle, high intensity LCD is used in the IC-M71, offering bright, easy to read characters. The bright LCD backlighting and backlit keypad is great for night time operation.

30% Shorter Antenna

A 30% shorter than an average Icom antenna (FA-S64V) is available adding further compactness to the already compact form of the radio body.

* Supplied antenna may differ depending on version.

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Additional features

- Auto scan function*¹ to start scanning when receiving no signal
- Simple add/delete TAG scanning*¹ operation
- Auto power save function
- Battery indicator shows remaining battery power in 4 levels
- Optional headsets plus OPC-1392 offers hands-free (VOX) operation

- Built-in UT-112 compatible voice scrambler (Depending on version)
- AquaQuake draining function emits a vibrating sound and clears water away from the speaker grill
- 70 programmable*² channels

*¹ Except Holland version. *² Appropriate license will be required.

SPECIFICATIONS

GENERAL	
• Frequency range	
Tx	156.000–161.450MHz
Rx	156.000–163.425MHz
• Usable channels	: INT, USA* channels
	(* Depending on version)
• Type of emission	: 16K0G3E (FM)
• Current drain (at 7.2V DC) :	
Tx 6W output	1.7A typical
1W output	0.7A typical
Rx Internal SP	400mA typical (AF Max.)
External SP	200mA typical (AF Max.)
• Operating Temp. range	: -15°C to +55°C
• Antenna impedance	: 50Ω (SMA)
• Dimensions (W×H×D)	: 52.5×125×30 mm
	(projections not included)
• Weight (approx.)	: 280g (with BP-245N)

TRANSMITTER	
• Output power (Hi/Mid/Low):	6/3/1W
FRG version	1/0.5W
• Max. frequency deviation:	± 5.0kHz
• Frequency stability	: ± 1.5kHz
• Spurious emissions	: 0.25μW
• Adjacent channel power	: 70dB
• Residual modulation	: 40dB
• Audio harmonic distortion	: Less than 10% (at 60% dev.)

RECEIVER	
• Sensitivity (20dB SINAD)	: -2dBμ emf typical
• Squelch sensitivity	: -6dBμ emf typical (threshold)
• Adjacent channel selectivity	: 70dB
• Spurious response	: 70dB
• Intermodulation rejection	: 68dB
• Hum and noise ratio	: 40dB
• Audio output power (at 10% distortion with an 8Ω load) :	
Internal SP	0.6W typical (BTL)
External SP	0.2W

Supplied accessories: (* Depending on version)

- Battery pack, BP-245N
- Battery charger, BC-166
- AC adaptor, BC-147*
- Belt clip, MB-103
- Antenna, FA-S64V or FA-S59V*
- Hand strap

Measurements made in accordance with EN301-178-2. All stated specifications are subject to change without notice or obligation.

Applicable U.S. Military Specifications

Standard	MIL 810 F	
	Method	Procedure
Low Pressure	500.4	I, II
High Temperature	501.4	I, II
Low Temperature	502.4	I, II
Temperature Shock	503.4	I
Solar Radiation	505.4	I
Rain	506.4	I, III
Humidity	507.4	—
Salt Fog	509.4	—
Dust Blowing	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.

OPTIONS

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



BP-245N Li-Ion BATTERY PACK
7.4V, 1900mAh (min.), 2000mAh (typ.). Provides 15–16 hours* operating time (approx.). Same as supplied.

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

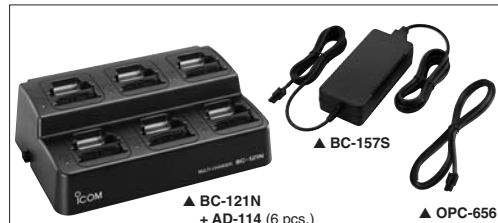


BC-166 DESKTOP CHARGER + BC-147* AC ADAPTER
Regularly charges the battery pack, BP-245N in 11–12 hours (approx.). Same as supplied.

* BC-145/BC-147SA for 120V AC. SE for 230V AC. SV for 240V AC. BC-145SUK for 230V AC.

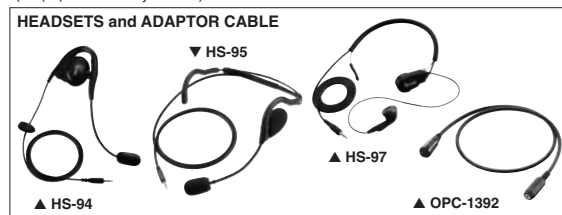


BC-119N DESKTOP CHARGER + AD-114 CHARGER ADAPTER
+ BC-145** AC ADAPTER
For rapid charging of a battery pack. Charging time: 3–4 hours. (approx.)



BC-121N MULTI-CHARGER + AD-114 CHARGER ADAPTER + BC-157S AC ADAPTER
For rapid charging of up to 6 battery packs (Six AD-114s are required). Charging time: 3–4 hours. (approx.)

OPC-656 DC POWER CABLE (12–16 V DC required)



HS-94 : Earhook headset with flexible boom microphone.
HS-95 : Behind-the-head headset with flexible boom microphone.
HS-97 : Throat microphone fits around your neck and picks up speech vibrations.
OPC-1392 : Required when using these headsets.
These headsets are not waterproof.



HM-167 : Waterproof speaker-microphone equivalent to IPX8.



CP-23L CIGARETTE LIGHTER CABLE WITH NOISE FILTER
OPC-515L DC POWER CABLE
For use with the battery charger, BC-119N, instead of the AC adapter. (12–16 V DC required)



MB-86: Swivel-type.
MB-103: Alligator-type.
Same as supplied.
ANTENNAS
FA-S64V: 115mm antenna.
FA-S59V: 150mm antenna.

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