

IC-M73

VHF MARINE TRANSCEIVER



Bass Boost Function

The signal processing technology emphasizes low-pitched sound to provide a rich bass sound for both transmit and receive signals.





Output Power



PX8 Submersible Plus™ Waterproofing

700 mW Loud Audio

The IC-M73 uses a BTL (bridge-tied load) amplifier that doubles the audio output. Its internal speaker delivers a loud 700 mW audio output with clear sound.

6 W RF Output Power

The IC-M73's 6 Watts of transmit power will provide extended communication range for the user. A large capacity Lithium-Ion battery. BP-245H allows for 17 hours of operation, under normal conditions*.

* Typical operation with 5:5:90 duty ratio. 20 hours for basic version.

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 (approximate)	
Tx 6 W output	1.5 A
Rx Max. audio (Int SP/Ext SP)	450 mA/250 mA
Operating temp. range	-20°C to +60°C; -4°F to +140°F
Antenna impedance	50 Ω
Dimensions (W×H×D)	52.5×125×30 mm
(projections not included)	2.0×4.9×1.2 in
Weight (approximate)	320 g; 11.3 oz
	(With BP-245H, FA-S64V, MB-103)

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

IPX8 Submersible Plus[™]

The IC-M73 continues to offer Icom's best waterproof protection. The radio has been tested to survive after being submersed in 1.5 m (4.9 ft) depth of water for 30 minutes.

Slim, Hourglass Body Wide Viewing Angle LCD

The IC-M73 has a stylish, ergonomic design. A durable and rugged body provides for user-friendly operation and long life. A wide viewing angle, high intensity LCD offers bright, easy to read characters.

TRANSMITTER	
Output power (Hi/Mid/Low)	6 W/3 W/1 W
Max. frequency deviation	±5.0 kHz
Frequency stability	±10 ppm
Spurious emissions	-68 dBc typical
Adjacent channel power	70 dB
Audio harmonic distortion	10% (at 60% dev.)
Residual modulation	40 dB
RECEIVER	
Sensitivity	0.22 µV typical (at 12dB SINAD)
Squelch sensitivity	0.35 µV typical (at threshold)
Adjacent channel selectivity	70 dB typical
Spurious response	70 dB typical
Intermodulation	70 dB typical
Hum and noise	40 dB
Audio output power	700 mW typical (Internal SP)
(at 10% distortion, 8 Ω load)	350 mW typical (External SP)

Additional features

- AguaQuake™ prevents audio degradation from a water-logged speaker
- Dual/Tri-Watch function for monitoring Channel 16 and/or call channel
- 4 level battery indicator
- Favorite channel and tag scan functions
- Rapid desktop charger, BC-210, and cigarette lighter cable, CP-25H, are supplied
- · Optional waterproof speaker-microphones, HM-167 and HM-202
- Auto power save function
- · Basic version (no voice recorder, no noise canceller and no bass boost function) available for limited markets.

Applicable U.S. Military Specifications & IP Rating

Standard Method	MIL 810G		
	Method	Procedure	
Low Pressure	500.5	I, II	
High Temperature	501.5	I, II	
Low Temperature	502.5	I, II	
Temperature Shock	503.5	I-C	
Solar Radiation	505.5	I	
Rain Blowing/Drip	506.5	I, III	
Humidity	507.5	II	
Salt Fog	509.5	_	
Dust Blowing	510.5	I	
Immersion	512.5	I	
Vibration	514.6	I	
Shock	516.6	I, IV	
41 1 1 1 1 1 1	AU OTD 040 O D		

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

Applicable IP Rating

Ingress Protection Standard		
Water	IPX8 (Waterproof protection)	

OPTIONS

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



BP-245H Li-Ion 7.2 V. 2100 mAh (min.), 2250 mAh (tvp.)



Charges the BP-245H in 3 hours (approx.) BC-123SA for 120V AC, SE for 230V AC



AD-129 is supplied with the BC-197, depending on version



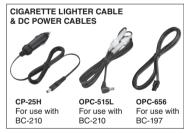
May differ depending on version





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