

# ICOM M80

## Above and Beyond the Competition



### ICOM's All-Channel Water Resistant VHF Radiotelephone

No VHF Marine telephone can compare to the M80's

rugged, water resistant design.

All circuitry is protected by a quality constructed **water resistant** enclosure with seals around all knobs, shafts, buttons, speaker, and case flanges.

All Channel. The M80 has all U.S. and International VHF channels... plus four weather channels and a ten channel memory... accessed by an **easy to use** single knob tuning control.

**Powerful.** Audio quality second to none, the M80's powerful **5 watt** audio system, with external speaker connections and **hailer** provides crisp, clear sound... audio that can be understood even in high noise environments.

**Memory.** Ten channels of memory... owner programmable using the front panel controls... allow quick access to your most used channels.

**Scanning.** Three scanning systems... scan all channels, scan the 10 memory channels, scan the weather channels... keep you abreast of what's happening.

**Sea Watch** enables you to monitor two channels at once... channel 16 plus one other selected channel... lets you communicate while listening for calls on channel 16.

Automatic switching to channel 16 at the end of a conversation.

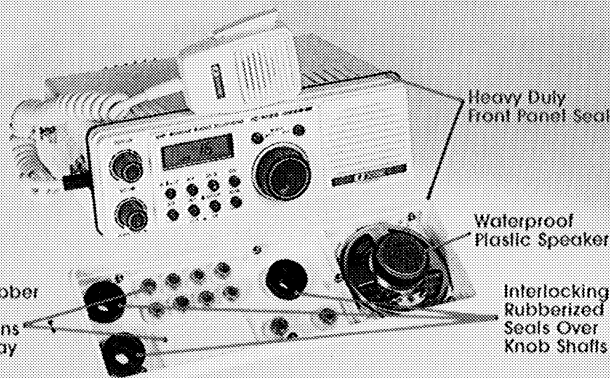
**Reliable and Convenient.** ICOM is well known for its tradition of high quality water resistant designs. This, plus convenient size, **lockable mounting bracket** and clearly labeled controls, make the M80 a convenient to install and use VHF.

The M80 is available in traditional white or **grey** (pictured above — M80C) for compatibility with rich wood and/or most other popular interior colors.

All of these features, plus an extra rugged **noise cancelling microphone** (on the grey model) that eliminates annoying or private background conversations, wind and engine noises, make the M80 your best buy in marine VHF.

### All this at a Price You'll Love.

See the M80 at your local ICOM marine dealer.

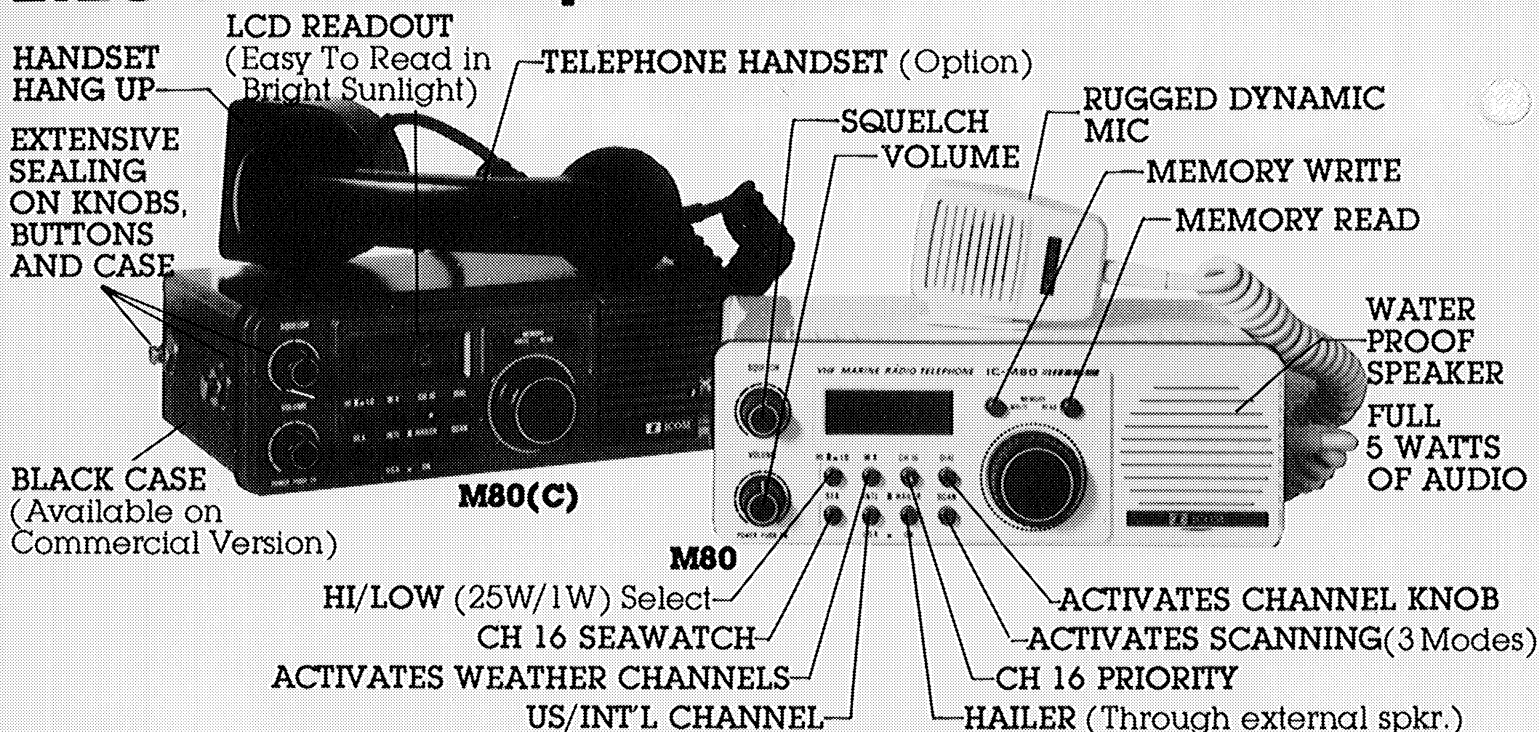


# ICOM

### The World Leader in Marine Communications.

ICOM America, Inc., 2112-116th Ave NE, Bellevue, WA 98004 (206)454-8155 / 3331 Towerwood Drive, Suite 307, Dallas, TX 75234 (214)620-2780  
All stated specifications are approximate and subject to change without notice or obligation. All ICOM radios significantly exceed FCC regulations limiting spurious emissions. M804483-1

# M80 Features and Specifications



**The M80** is designed and built by ICOM INCORPORATED, a long time leader in the field of VHF communication. We put all the technology and experience we have gained over the years in a transceiver that was built from the ground up specifically for Marine. We know that an IC-M80 will give you years of enjoyment and dependable communication.

## M80 FEATURES

Available in commercial/limited coast (black) or pleasurecraft (white) versions, the M80 provides extra features making it the most waterproof and easiest to use marine VHF available.

• **Channel 16 Seawatch.** Monitor channel 16 while using or listening to another channel

- **WX Button.** Gives instant access to weather 1 through 4
- **U.S./International.** All channel capability: select U.S. and get U.S. channels (including ship-to-ship channels normally used in the U.S.); International gives access to foreign frequency assignments
- **Channel 16 Priority.** Instant access to the VHF calling/distress channel
- **Scanning.** Three scanning modes: memory scan, all channel scan, weather scan
- **Memory.** A ten channel memory allows quick access to your most commonly used frequencies. (Memory maintained by a 5 year lifetime lithium battery)
- **Water Resistant Sealing.** All knob shafts, buttons, speaker, case openings and the case itself are sealed for maximum water resistance
- **Hailer.** The external speaker system provides a

hailer. Be heard on deck or on dockside

- **Other Standard Features.** 25 watts or 1 watt selectable/small size/locking mobile mount/DC power cord
- **ICOM's Lifetime Warranty.**

## SPECIFICATIONS

### GENERAL

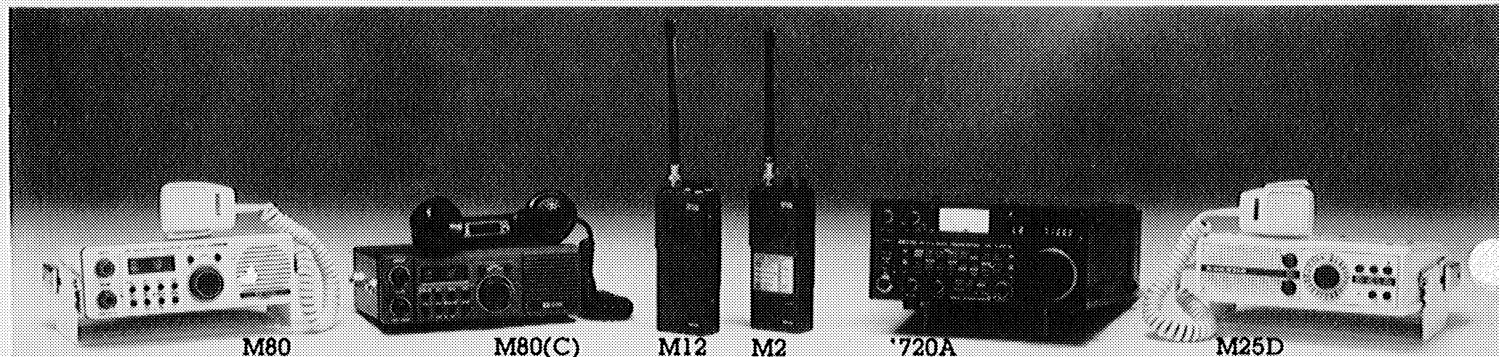
Size	3"(H) X 8 1/2"(W) X 8 3/16"(D)
Weight	4.6 lbs.
Number of Channels	78 marine channels plus 4 weather channels
Stability	0.0005% (Commercial/limited coast), 0.001% (Pleasure)
Temperature Range	-20 to +60 degrees C
Channel Spacing	25 KHz/4.6 MHz Split
Current Drain (Max)	Receive With full 5 watt output — 0.8A Standby — 0.3A Transmit Low output — 1.3A High output — 5.5A
Primary Voltage	13.6 Volts DC
Antenna Impedance	50 ohms
Compliance	FCC Parts 81, 83 and 15

### RECEIVER SECTION

Frequency Range	156 — 163 MHz
Sensitivity	0.5 uV (-20dB quieting)
Selectivity	-70dB at 25 KHz (EIA SINAD)
Spurious & Image Rejection	80dB
Threshold Squelch Sensitivity	0.2 uV
Tight Squelch Sensitivity	2 V
IF Frequencies	1st IF: 21.4 MHz 2nd IF: 455 KHz
Audio Output	5 watts to 4 ohm Speaker @ 10% distortion

### TRANSMITTER SECTION

Frequency Range	156 — 157.5 MHz
Modulation	+5 KHz (16F3)
RF Power Output	High 25 watts Low 1 watt
Antenna Impedance	50 ohms
Spurious Emissions	70dB below Carrier
Harmonic Emission	60dB below Carrier
Microphone	600 ohm microphone, or 600 ohm handset
Audio Frequency Response	+1, -3dB of 6dB/octave pre-emphasis characteristic from 300 to 3000 Hz
Audio Distortion	Less than 7% at 1000 Hz for +3 Hz Deviation



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\*(For licensed amateur radio operators)



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