



MF/HF MARINE TRANSCEIVER

# IC-M710



**Simple, dependable worldwide communications at an affordable price.**

### 1136 channels

160 programmable, 242 ITU SSB duplex, 72 ITU SSB simplex and 662 ITU FSK duplex channels are available.

### Rugged construction

The highest quality components are used throughout. Constructed in a die-cast aluminum chassis with surface mount components, the IC-M710 is designed for long hours of operation in the harsh marine environment.

### Alphanumeric readout

The large, easy-to-read display shows status at a glance. Seven characters can be programmed into each memory channel to conveniently display station names, ship names, etc.

### 150 W of output

A full 150 W (PEP) of output power is available for reliable long distance communication. A large cooling fan, in combination with the aluminum chassis, allows continuous transmission at full output power— even during demanding RTTY (radio teletype) and NBDP (narrow band direct printing) operation.

### Automatic tuning function

An automatic tuning function is available when using the IC-M710 in combination with the optional AT-140 for quick and easy antenna tuning. Tuning is fully automatic. When you push the PTT on a new frequency, the antenna tuner quickly tunes the antenna automatically.

### Easy to use

Two large memory and frequency dials allow quick and easy operation.

### And more...

- Covers all allowed bands between 1.6 and 27.5 MHz
- General coverage receiver
- Modes: SSB, RTTY, CW and AM
- 2182 kHz alarm built-in (optional for General versions)
- RF gain control
- Audio activated squelch
- Terminals for frequency/mode control via NMEA interfacing
- Direct keypad channel selection entry
- Large, front-mounted speaker
- Weather fax ready
- Backlight control
- CW full break-in and semi break-in

Icom Inc.

SPECIFICATIONS

GENERAL		
• Frequency coverage	: Receive	500 kHz–29.9999 MHz
	: Transmit*	1.6–27.5 MHz
		*Restrictions may apply depending on version.
• Mode (varies with version)	: J3E (USB), H3E, J2B (AFSK), F1B (FSK) R3E, A1A (CW)	(available modes may differ depending on version)
• Number of channels	: 1136 (max.)	(160 programmable; 242 ITU SSB duplex; 72 ITU SSB simplex; 662 ITU FSK duplex)
• Antenna impedance	: 50 Ω (nominal)	
• Usable temperature range	: –30 to +60°C (–22 to +140°F)	
• Freq. stability	: ±10 Hz (–30 to +60°C; –22 to +140°F; ±20 Hz above 15 MHz for General and Marine versions)	
• Power supply requirement	: 13.6 V DC ±15%	(negative and floating grounds are available depending on version)
• Current drain (at 13.8 V DC)	:	

Transmit (max. output power)	30 A
Receive (max. audio output)	2.5 A (negative ground type) 3.0 A (floating ground type)

- Dimensions : 291.4(W)×116.4(H)×315(D) mm (projections not included)  
11<sup>15</sup>/<sub>32</sub>(W)×4<sup>19</sup>/<sub>32</sub>(H)×12<sup>13</sup>/<sub>32</sub>(D) in
- Weight : 7.9 kg; 17 lb 7 oz (negative ground type)  
8.1 kg; 17 lb 14 oz (floating ground type)

TRANSMITTER	
• Output power	: (U.S.A. version) 150, 60, 20 W PEP (selectable) (60, 20 W only for 25 MHz band) (Europe version) 150, 60 W PEP (selectable) (60 W only for 25 MHz band)
• Spurious emissions	: –65 dB (USA version) –60 dB (Europe version)
• Carrier suppression	: 40 dB
• Unwanted sideband suppression	: 55 dB
• Microphone impedance	: 600 Ω

RECEIVER	
• Sensitivity	: J3E, R3E, J2B, F1B, A1A (for 12 dB SINAD) 0.5 μV (1.8–29.9999 MHz) 1 μV (1.6–1.7999 MHz) 6.3 μV (0.5–1.5999 MHz) H3E (for 10 dB S/N) 3.2 μV (1.8–29.9999 MHz) 6.3 μV (1.6–1.7999 MHz) 32 μV (0.5–1.5999 MHz)
• Spurious rejection ratio	: 70 dB (1.6–29.9999 MHz)
• Audio output power	: 4.5 W at 10% distortion with a 4 Ω load
• Audio output impedance	: 4 to 8 Ω
• Clarity variable range	: ±150 Hz

All stated specifications are subject to change without notice or obligation.

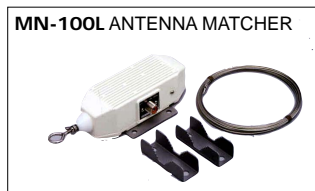
OPTIONS



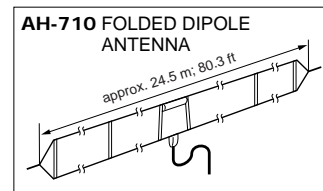
Matches the transceiver to a long wire antenna with little insertion loss. AT-130/E is also available.



Match the transceiver to a dipole antenna. Covers all HF bands from 1.5 to 30 MHz. 8 m×2 antenna wires come attached.



Match the transceiver to a long wire antenna. Covers all HF bands from 1.5 to 30 MHz. 15 m×1 antenna wire comes attached.



Covers from 1.9 to 30 MHz band. Has an SO-239 connector. Easy to assemble (non-kink construction).



Provides 13.6 V DC (30 A) output from an AC outlet.



Have good shape factor to provide better CW/RTTY reception. Bandwidth: 500 Hz/–6 dB



Provides clear audio reception and comes in handy for listening privacy.



Provides the alarm function. Already built in to the Marine version.

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