



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 $\pm 15\%$	
	(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) $\times$ 116.4(H) $\times$ 315(D) mm
(projections not included) 11 $\frac{15}{32}$ (W) $\times$ 4 $\frac{19}{32}$ (H) $\times$ 12 $\frac{13}{32}$ (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 μ V (1.8–29.9999 MHz) 1 μ V (1.6–1.7999 MHz) 6.3 μ V (0.5–1.5999 MHz)
H3E (for 10 dB S/N)	3.2 μ V (1.8–29.9999 MHz) 6.3 μ V (1.6–1.7999 MHz) 32 μ V (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

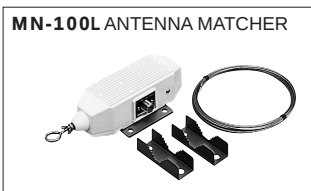
Some options may not be available in some countries. Please ask your dealer for details.



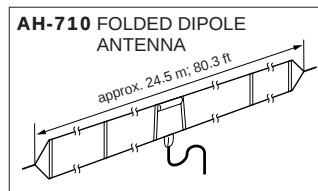
Matches the transceiver to a long wire antenna with little insertion loss.
AT-130/E is also available.



Match the transceiver to a dipole antenna.
Covers all HF bands from 1.5 to 30 MHz.
8 m $\times$ 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 $\times$ 1 antenna wire comes attached.



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



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



Dynamic microphone with IPX7 water-proof protection. Same as supplied.



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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