



ICOM M710

IC-M710 MF/HF Marine Transceiver

Simple, dependable worldwide communications at an affordable price.

1136 channels

160 user-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 power

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-130/E 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.

GMDSS versions available (not available in the US)

Versions which comply with GMDSS requirements are available (not available in the US). With the addition of an IC-GM110 DSC terminal the radio meets DSC class A requirements.

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 optional
- 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

IC-M710 Specifications

General

- Frequency Coverage:
 - Receive: 500 kHz-29.999 MHz
 - Transmit: Marine bands and Ham bands 1.6-27.5 MHz
- Mode: J3E (USB), H3E, J2B (AFSK), F1B (FSK), R3E, A1A (CW)
- Number of channels: 1136 (max.) (160 user-programmable; 242 ITU SSB duplex; 72 ITU SSB simplex; 662 ITU FSK duplex)
- Antenna Impedance: 50 ohms (nominal)
- Usable Temperature Range: -30 to +60°C (-22 to +140°F)
- Frequency Stability: +/-10 Hz (-30 to +60°C; -22 to +140°F; +/-20 Hz above 15 MHz)
- Power Supply Requirement: 13.6 V DC +/-15%
- Current Drain (at 13.6 V DC): Transmit (max. output power) 30 A; Receive (max. audio output) 2.5 (negative ground type), 3 A (floating ground type)
- Dimensions: 291.4(W) x 116.4(H) x 315(D) mm; 11-15/32(W) x 4-19/32(H) x 12-13/32(D) in (projections not included)
- Weight: 7.9 kg; 17 lb 7 oz (negative ground type); 8.1 kg; 17 lb 14 oz (floating ground type)

Transmitter

- Output Power: 150, 60, 20 W PEP (selectable) (60, 20 W only for 25 MHz band)
- Spurious Emissions: -65 dB
- Carrier Suppression: 40 dB
- Unwanted Sideband Suppression: 55 dB
- Microphone Impedance: 600 ohm

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)
- Sensitivity H3E (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 8 ohm load
- Audio Impedance: 4 to 8 ohms
- Clarity Variable Range: +/-150 Hz

Options

- AT-130/E HF AUTOMATIC ANTENNA TUNER: Matches the transceiver to a long wire antenna with little insertion loss.
- FL-100 CW/FSK NARROW FILTER (500 Hz/-6 dB): Has good shape factor to provide better CW/RTTY reception.
- GM-110DSC DSC TERMINAL UNIT: 6 channel emergency scanning receiver--contains remote control capability of the IC-M710 GMDSS for distress calls, etc. (GMDSS not available in the US.)
- HS-50 HANDSET: Provides clear audio reception and comes in handy for listening privacy.
- MN-100/MN-100L ANTENNA MATCHERS: Match the transceiver to a long wire antenna without applying DC power.
- PS-60 DC POWER SUPPLY: Provides 13.6 V DC (30 A) output from an AC outlet.
- PS-66 DC-DC CONVERTER: Provides 13.6 V DC (30 A) output from 19-32 V DC
- UT-95 2-TONE ALARM UNIT