

ICOM

MF/HF MARINE TRANSCEIVER

IC-M710



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

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-130E 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 : 0.5–29.9999 MHz
 - Transmit : 1.8–27.5 MHz
- *Restrictions may apply depending on version.
- Mode (varies with version) : J2E (USB), H3E, J2B (AFSK), R3E, F1B (FSK), A1A (CW)
- Antenna connector : SO-239 (50 Ω)
- Power supply requirement (negative ground) : 13.6 V DC ±15%
- Max. current drain (at 13.6 V DC) :
 - Main unit : 30 A (transmit at max. power)
 - Controller : 1.2 A (receive or max. audio)
- Usable temp. range : -30°C to +80°C / -22°F to +140°F
- Frequency stability : ±10 Hz (0.5–14.9999 MHz) / -20°C to +50°C / ±20 Hz (1.5–29.9999 MHz)
- Remote connector : RS-232C D-Sub 9-pin (female)
- Dimensions (projections not included) :
 - Main unit : 292(W)×117(H)×317(D) mm / 11.5(W)×4.6(H)×12.5(D) in
 - Controller : 292(W)×116(H)×88(D) mm / 11.5(W)×4.6(H)×3.5(D) in
- Weight : 7.45 kg / 16 lb 7 oz (Main unit) / 1.2 kg / 2 lb 10 oz (Controller)

TRANSMITTER

- Output power :
 - Below 25 MHz : 150/60/20* W PEP
 - Above 25 MHz : 60/20* W PEP
- *Except for Europe versions.
- Spurious emissions : -65 dB (U.S.A. version) / -60 dB (Europe version)
- Unwanted sideband : 55 dB
- Carrier suppression : 40 dB
- Microphone impedance : 600 Ω

RECEIVER

- Sensitivity :
 - J2E, R3E, J2B, A1A, F1B : 6.3 μV (0.5–1.9999 MHz) / 1 μV (1.5–1.9999 MHz)
 - (for 12 dB SINAD) : 0.5 μV (1.5–29.9999 MHz) / 32 μV (0.5–1.9999 MHz) / 6.3 μV (1.5–1.9999 MHz) / 3.2 μV (1.5–29.9999 MHz)
 - (for 10 dB SIN)
- Spurious response rejection ratio :
 - 0.5–29.9999 MHz : More than 70 dB
- Audio output power : 4.5 W typical at 10% distortion (at 13.5 V DC) with a 4 Ω load
- Audio output impedance : 4–8 Ω
- Clarity variable range : ±150 Hz

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

- Supplied accessories: *for main and controller units
- Hand microphone/Handset (according to version)
 - ACC plugs
 - Mounting bracket kits*
 - Microphone hanger
 - Spare fuses
 - DC power cables*
 - Separation cable (5 m / 15.4 ft)

OPTIONS

AF-130/E HF AUTOMATIC ANTENNA TUNER



Matches the transceiver to a long wire antenna with little insertion loss.

MN-100 ANTENNA MATCHER



Match the transceiver to a dipole antenna. Covers all HF bands from 1.5 to 30 MHz. 6 m x 2 antenna wires come attached.

MN-100L ANTENNA MATCHER



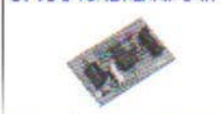
Match the transceiver to a dipole antenna. Covers all HF bands from 1.5 to 30 MHz. 15 m x 1 antenna wire comes attached.

AH-710 FOLDED DIPOLE ANTENNA



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

UT-95 2-TONE ALARM UNIT



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

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.

HS-50 HANDSET



Provides clear audio reception and listening privacy.

HM-120 HAND MICROPHONE



Same as supplied with some versions of the IC-M710RT.

FL-100 CW/FSK NARROW FILTER (500 Hz/6 dB)



Have a good shape factor to provide better CW/RTTY reception.

RC-21 REMOTE CONTROLLER



Additional controller unit allows in-car operation. The HW-120 or the HS-60 is supplied depending on version.

OPC-772 SEPARATION CABLE



For extended use. Cable length 20 m / 67.4 ft. 5 m / 16.4 ft cable, OPC-771 is also available.

RS-M710RT REMOTE CONTROL SOFTWARE



Controls the IC-M710RT from your PC. Ask your dealer about usable PCs.

MB-70 FLUSH MOUNT KIT

For mounting a controller of the RC-21 to a panel.

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Certificate Number Q1-100

Icom Inc. (Japan), is an ISO9001 certification acquired company.

Your local distributor/dealer: