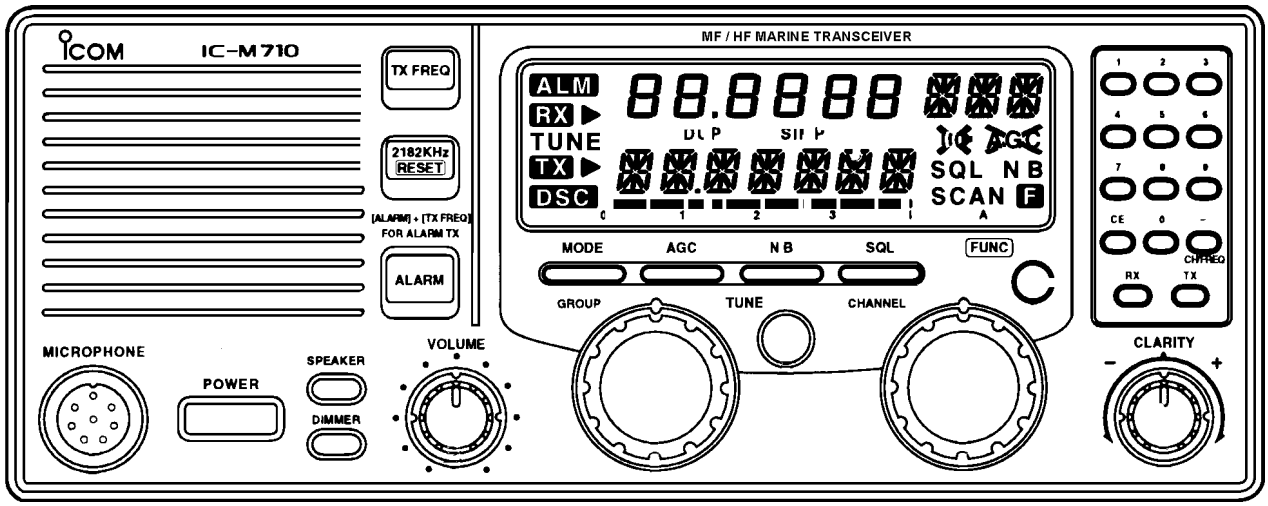
ICOM IC-M710RT SSB RADIO

POWER – Full 150 Watts of stable power. A large cooling fan and rugged die-cast aluminum chassis allows continuous transmission at full power – even during Narrow Band Direct Printing (NBDP) or RTTY operation. The IC–M710RT supports digital data transmission such as HF E-Mail and operates at 100 % duty cycle for FSK and AFSK operations.



FREQUENCIES – Full transmit and receive capability from 0.5 – 29.999 MHz including all marine SSB and HAM frequencies.

CHANNELS – 1136 channels, including 160 user-programmable, 242 ITU SSB duplex, 72 ITU SSB simplex, and 662 ITU FSK duplex channels are available.

TUNING – Includes a CW / FSK Narrow Filter (500 Hz / –6 dB) that provides the greatest tuning sensitivity possible for HF digital data communications.

REMOTE CONTROL – The front panel of the IC–M710RT is a remote controller connected to the main unit via a separation cable for installation flexibility. Perfect for cramped navstations, an additional controller can be connected to the main unit for cockpit or flybridge operations. Using two controllers allows them to function as an intercom.

COMPUTER CONTROL – Optional RS-M710RT Windows-based software program allows your PC to control the radio and creates a database of frequencies.

ADDITIONAL FEATURES – Scan functions, NMEA 0183 Interface, 2 DIN connectors for external equipment, Alphanumeric names for easy recognition of channels (up to 7 digits)

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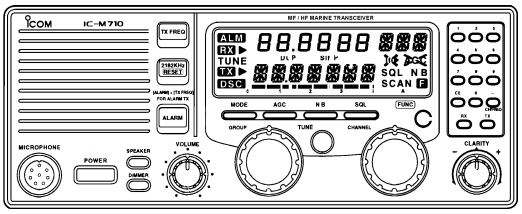
SPECIFICATIONS

Dimensions	Main unit: 11.5W x 4.75H x 12.5D-in. (292W x 117H x 317D mm) Remote: 11.5W x 4.5H x 2.75D-in. (292W x 116H x 66D mm)
Weight	Main unit: 16-lbs. 7-oz. (7.45 kg) Remote: 2-lbs. 10-oz. (1.2 kg)
Frequency coverage	Receive: 0.5 – 29.999 MHz Transmit: 1.6 – 27.5 MHz
Mode	J3E (USB), H3E, R3E, J2B (AFSK) A1A (CW)
Antenna Connector	SO–239 (50 ohms)
Power Supply	13.6 VDC + / – 15 % negative ground
Max Power Drain (at 13.8 VDC)	Main unit: 30 A (transmitting full power) Controller: 1.2 A (receive at max audio)
Usable Temperature Range	–22 F to + 140 F (–30C to + 60C)
Frequency Stability (–20C to + 60C)	0.5–14.9999 MHz + / – 10 Hz 15–29.9999 MHz + / – 20 Hz
Remote Connector	RS-232C D-Sub 9-pin (female)
Remote Controller Separation Cable	Length: 16.4-ft. (5 m)
Output Power	Below 25 MHz: 150 / 60 / 20 W PEP Above 25 MHz: 60 / 20 W PEP
Spurious Emissions	–65 dB
Unwanted Sideband	55 dB
Carrier Suppression	40 dB
Microphone Impedance	600 ohms
Sensitivity J3E, R3E, J2B, A1A, F1B (for 12 dB SINAD)	6.3 uV (0.5–1.5999 MHz) 1 uV (1.6–1.7999 MHz) 0.5 uV (1.8–29.9999 MHz)
H3E (for 10 dB S / N)	32 uV (0.5–1.5999 MHz) 6.3 uV (1.6–1.7999 MHz) 3.2 uV (1.8–29.9999 MHz)
Spurious Noise Rejection Ratio	more than 70 dB (1.6–29.9999 MHz)
Audio Output Power	4.5 W typical at 10 % distortion with 4 ohm load at 13.6 VDC
Clarity Variable Range	+ / – 150 Hz

OPTIONS



- **AT-130 / E HF Automatic Antenna Tuner** – matches transceiver to wire antenna
- **RC-21 Remote Controller** – additional unit, allows intercom function
- **OPC-771 Remote Controller Separation Cable Extension** 16.4-ft. (5 m)
- **OPC-772 Remote Controller Separation Cable Extension** 67.4-ft. (20 m)
- **MB-70 Flush Mount Kit** – for mounting remote or RC-21 to a flat panel
- **RS-M710RT Remote Controller Software** with 10-ft. (3 m) 9-pin serial cable
- **UT-95 2-Tone Alarm Unit** – provides automatic alarm on 2182 KHz
- **PS-60 DC Power Supply** – provides 13.6 VDC output from 120 VAC power
- **PS-66 DC-DC Converter** – provides 13.6 VDC 30 A from 19–32 VDC
- **HS-50 Handset** – provides clear audio reception and listening privacy
- **FL-100 CW / FSK Narrow Filter (500 Hz / –6dB)** – improves shape factor

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