



MF/HF MARINE TRANSCEIVER

IC-M710



Simple, dependable worldwide communications at an affordable price.

1 136 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
- 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

SPECIFICATIONS

| GENERAL | |
|-------------------------------|---|
| • Frequency coverage | : 500kHz–29.9999MHz |
| Receive | : 1.6– 2.9999, 4.0– 4.9999, 6.0– 6.9999 |
| Transmit | : 8.0– 8.9000, 12.0–13.9999, 16.0–17.9999 |
| | : 18.0–19.9999, 22.0–22.9999, 25.0–27.5000MHz |
| • Mode | : J3E (USB, LSB), H3E (AM), 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 | : 50Ω (nominal) |
| • Usable temperature range | : –30°C to +60°C (–22°F to +140°F) |
| Guaranteed temperature | : –20°C to +60°C (–4°F to +140°F) |
| • Frequency stability | : ±10Hz (below 15MHz) ±20Hz (above 15MHz) |
| • Power supply requirement | : 13.6V DC ±15% (Negative ground) |
| • Current drain (at 13.6V DC) | : 2.5A |
| Receive (Max. audio output) | : 30A |
| Transmit (Max. output power) | |
| • Dimensions (WxHxD) | : 291.4x116.4x315 mm |
| (Projections not included) | : 11.47x4.58x12.4 in |
| • Weight | : 7.8kg; 17.2lb (approx.) |

| TRANSMITTER | |
|---------------------------------|--|
| • Output power | : 150, 60, 20W PEP (selectable) |
| | : 60, 20W PEP (selectable) |
| • Spurious emissions | : –62dB (Below peak output power @ 150W pep) |
| • Carrier suppression | : 40dB (Below peak output power @ 150W pep) |
| • Unwanted sideband suppression | : 55dB (Below peak output power @ 150W pep with 1500Hz AF Input) |
| • Microphone impedance | : 600Ω |

| RECEIVER | |
|-------------------------------|---|
| • Sensitivity | : 6.3μV (0.5–1.5999MHz) |
| J3E, R3E, J2B, A1A | : 1μV (1.6–1.7999MHz) |
| (at 12dB SINAD) | : 0.5μV (1.8–29.9999MHz) |
| | : 32μV (0.5–1.5999MHz) |
| H3E | : 6.3μV (1.6–1.7999MHz) |
| (at 10dB S/N) | : 3.2μV (1.8–29.9999MHz) |
| • Spurious response rejection | : More than 70dB (1.6–29.9999MHz) |
| • Audio output power | : 4.0W at 10% distortion with a 4Ω load |
| • Audio output impedance | : 4Ω to 8Ω |
| • Clarity variable range | : ±150Hz |

Supplied accessories:

- Hand microphone
- DC power cable
- ACC plugs
- Mounting bracket kit
- Microphone hanger
- Speaker plug
- Spare fuses

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.



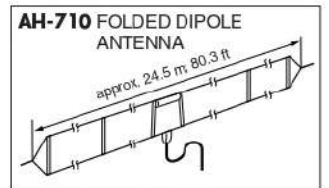
Matches the transceiver to a long wire antenna with little insertion loss. **AT-130** is also available.



Match the transceiver to a dipole antenna. Covers all HF bands from 1.5 to 30 MHz. 8 m x 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 x 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: 500Hz/–6 dB



Dynamic microphone. Same as supplied.

OPC-566
SHIELDED CONTROL CABLE
10m (32.8ft) shielded control cable connects between AT-140 (or AT-130) and transceiver.