



SSB RADIO TELEPHONE

# IC-M700PRO



## *Long distance communication made simple.*

### **Simplified operation**

The IC-M700PRO is easy to use whether you are new to SSB or an expert. Channel selection is quick and easy to access with large, independent GROUP and CHANNEL knobs. Each panel button has only 1 function. The large, easy to read display shows channel (or frequency) and operating status at a glance. A new green LCD is easy to see in sunlight, but not too bright for night operations.

### **Powerful output extends your communications reach**

The powerful 150 W\* (PEP) transmitter provides long distance communication you can rely on. To make sure that power is always available to you—even during demanding RTTY (radio teletype) or E-mail operation—a large cooling fan combined with the IC-M700PRO's aluminum chassis keep the radio cool.

\* 60 W (PEP) above the 24 MHz bands.

### **Scanning functions**

Locate desired signals quickly with a powerful memory scan feature.

### **And more...**

- Automatic antenna tuner, the AT-140, is available to match the transceiver to your antenna
- Numerous operating modes\* available: USB, AM, CW, FSK and AFSK
- \*Ask your dealer for details.
- Wide band, general coverage receive—0.5 to 29.9999 MHz
- Channel/frequency knob allows the user to tune specific frequencies around the memory channel
- NMEA plus 2 DIN connectors are available for external equipment connection, such as a linear amplifier, FSK terminal, E-mail modem, etc.
- NMEA0183 interface included

## SPECIFICATIONS

## GENERAL

- Frequency coverage :
  - Receive 500kHz–29.999 MHz
  - Transmit 1.6– 2.9999, 4.0– 4.9999, 6.0– 6.9999  
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 : 150 (max.; 3 groups of 50 channels each)
- Antenna connector : SO-239 (50)
- Usable temperature range : –30°C to +60°C; –22°F to +140°F  
Guaranteed range : –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%
- Current drain (at 13.8 V DC) :
  - Rx max. audio 2.5A (negative ground)
  - Tx max. power 30A
- Dimensions (W×H×D) : 291.4×116.4×315 mm  
(projections not included) 11.47×4.58×12.4 in
- Weight : 7.8kg; 17.2 lb (approx.)
- Remote connector : NMEA D-sub 9-pin (female)
- ACC 1 connector : DIN 8-pin (female)
- ACC 2 connector : DIN 7-pin (female)

## TRANSMITTER

- Output power :
  - 1.6–23.999MHz 150, 60, 20W PEP (selectable)
  - 24.0–27.500MHz 60, 20W PEP (selectable)
- Spurious emissions : –75dB typical
- Carrier suppression : 65dB typical
- Unwanted sideband suppression : 70dB typical
- Microphone connector : 8-pin connector (600Ω)

## RECEIVER

- Sensitivity :
  - J3E, R3E, J2B, A1A 6.3μV (0.5–1.5999MHz)  
1μV (1.6–1.7999MHz)  
0.35μV typical (1.8–29.9999MHz)
  - H3E 32μV (0.5–1.5999MHz)  
6.3μV (1.6–1.7999MHz)  
2.2μV typical (1.8–29.9999MHz)
- Spurious response rejection : 80dB typical (1.6–29.9999MHz)
- Audio output power : 5W typical at 10% distortion with a 4Ω load
- Clarity variable range : ±150Hz
- External speaker jack : 2-conductor 6.5 (d) mm (1/4")/4–8Ω

## 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.

## AT-140 HF AUTOMATIC ANTENNA TUNER



IP56

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

## MN-100 ANTENNA MATCHER



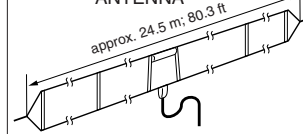
Matches the transceiver to a dipole antenna. Covers all HF bands from 1.5 to 30 MHz. 8 m × 2 antenna wires come attached.

## MN-100L ANTENNA MATCHER



Match the transceiver to a long wire antenna. Covers all HF bands from 1.5 to 30 MHz. 15 m × 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-kink construction).

## FL-100 CW/FSK NARROW FILTER



Provide better CW/RTTY reception. Bandwidth: 500 Hz/–6 dB

## HM-180 HAND MICROPHONE



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.

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