



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)
  - (at 12dB SINAD) 1μV (1.6–1.7999MHz)
  - 0.35μV typical (1.8–29.9999MHz)
  - H3E 32μV (0.5–1.5999MHz)
  - (at 10dB S/N) 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 : 4W 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



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.

Icom Inc. 1-1-32, Kamiminami, Hirano-Ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (06) 6793 0013

[www.icom.co.jp/world](http://www.icom.co.jp/world)

Count on us!

## Icom America Inc.

12421 Willows Road NE,  
Kirkland, WA 98034, U.S.A.  
Phone: +1 (425) 454-8155  
Fax: +1 (425) 454-1509  
E-mail: [sales@icomamerica.com](mailto:sales@icomamerica.com)  
URL: <http://www.icomamerica.com>

## Icom (Europe) GmbH

Communication Equipment  
Auf der Krautweide 24  
65812 Bad Soden am Taunus, Germany  
Phone: +49 (6196) 76685-0  
Fax: +49 (6196) 76685-50  
E-mail: [info@icom-europe.com](mailto:info@icom-europe.com)  
URL: <http://www.icomeurope.com>

## Icom France s.a.s.

Zac de la Plaine,  
1 Rue Brindejonc des Moulinais, BP 45804,  
31505 Toulouse Cedex 5, France  
Phone: +33 (5) 61 36 03 03  
Fax: +33 (5) 61 36 03 00  
E-mail: [icom@icom-france.com](mailto:icom@icom-france.com)  
URL: <http://www.icom-france.com>

## Icom Canada

Glenwood Centre #150-6165  
Highway 17A, Delta, B.C.,  
V4K 5B8, Canada  
Phone: +1 (604) 952-4266  
Fax: +1 (604) 952-0090  
E-mail: [info@icomcanada.com](mailto:info@icomcanada.com)  
URL: <http://www.icomcanada.com>

## Icom Spain S.L.

Ctra. Rubi, No. 88 "Edificio Can Castanyer"  
Bajos A 08174, Sant Cugat del Valles,  
Barcelona, Spain  
Phone: +34 (93) 590 26 70  
Fax: +34 (93) 589 04 46  
E-mail: [icom@icomspain.com](mailto:icom@icomspain.com)  
URL: <http://www.icomspain.com>

## Icom (Australia) Pty. Ltd.

Unit 1 / 103 Garden Road,  
Clayton, VIC 3168 Australia  
Phone: +61 (03) 9549 7500  
Fax: +61 (03) 9549 7505  
E-mail: [sales@icom.net.au](mailto:sales@icom.net.au)  
URL: <http://www.icom.net.au>

## Icom Brazil

Rua Itororó, 444 Padre Eustáquio  
Belo Horizonte MG,  
CEP: 30720-450, Brazil  
Phone: +55 (31) 3582 8847  
Fax: +55 (31) 3582 8987  
E-mail: [sales@icombrasil.com](mailto:sales@icombrasil.com)

## Icom (UK) Ltd.

Blacksole House, Altira Park,  
Herne Bay, Kent, CT6 6GZ, U.K.  
Phone: +44 (0) 1227 741741  
Fax: +44 (0) 1227 741742  
E-mail: [info@icomuk.co.uk](mailto:info@icomuk.co.uk)  
URL: <http://www.icomuk.co.uk>

Your local distributor/dealer: