



SSB RADIO TELEPHONE

iM700PRO



## 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
- 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.
- Optional 2-tone alarm function (UT-95 2-TONE ALARM UNIT required) provides simple transmission of emergency signals
- NMEA0183 interface included

## SPECIFICATIONS

## GENERAL

- Frequency coverage :
 

Receive	500kHz–29.999 MHz	
Transmit	1.6– 2.9999 MHz	4.0– 4.9999 MHz
	6.0– 6.9999 MHz	8.0– 8.9999 MHz
	12.0– 13.9999 MHz	16.0– 17.9999 MHz
	18.0– 19.9999 MHz	22.0– 22.9999 MHz
	25.0– 27.5000 MHz	
- Mode : USB, AM, CW, FSK and AFSK
- Number of channels : 150 (max.; 3 groups of 50 channels each)
- Antenna connector : SO-239 (50  $\Omega$ )
- Power supply requirement : 13.6 V DC  $\pm$ 15%
- Current drain (at 13.8 V DC) : Tx max. power 30 A  
R<sub>x</sub> max. audio 2.5 A
- Usable temperature range (Guaranteed range) : –30°C to +60°C; –22°F to +140°F  
: –20°C to +60°C; –4°F to +140°F)
- Frequency stability :  $\pm$ 10 Hz (0.5–14.9999 MHz)  
 $\pm$ 20 Hz (15–29.9999 MHz)
- Dimensions (projections not included) : 291.4(W) $\times$ 116.4(H) $\times$ 315(D) mm  
11<sup>15</sup>/<sub>32</sub>(W) $\times$ 4<sup>19</sup>/<sub>32</sub>(H) $\times$ 12<sup>13</sup>/<sub>32</sub>(D) in
- Weight : 7.9 kg; 17 lb 7 oz
- Remote connector : NMEA D-sub 9-pin (female)
- ACC 1 connector : DIN 8-pin (female)
- ACC 2 connector : DIN 7-pin (female)

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

## TRANSMITTER

- Output power : 150 W PEP (below 24 MHz)  
60 W PEP (above 24 MHz)
- Spurious emissions : –75 dB typical
- Unwanted sideband suppression : 70 dB typical
- Carrier suppression : 65 dB typical
- Microphone connector : 8-pin connector (600  $\Omega$ )

## RECEIVER

- Sensitivity :
 

USB, CW, FSK, AFSK (for 12 dB SINAD)	6.3 $\mu$ V (0.5–1.5999 MHz) 1 $\mu$ V (1.6–1.7999 MHz) 0.35 $\mu$ V typical (1.8–29.9999 MHz)
AM (for 10 dB S/N)	32 $\mu$ V (0.5–1.5999 MHz) 6.3 $\mu$ V (1.6–1.7999 MHz) 2.2 $\mu$ V typical (1.8–29.9999 MHz)
- Spurious response rejection ratio : 80 dB typical (1.6–29.9999 MHz)
- Audio output power (at 13.8 V DC) : 5.0 W typical at 10% distortion with a 4  $\Omega$  load
- Clarity variable range :  $\pm$ 150 Hz
- External speaker jack : 2-conductor 6.5 (d) mm (1/4")/4–8  $\Omega$

## Supplied accessories:

- |  |   |  |
|--|---|--|
| <input checked="" type="checkbox"/> Hand microphone      | <input checked="" type="checkbox"/> DC power cable    | <input checked="" type="checkbox"/> ACC plugs    |
| <input checked="" type="checkbox"/> Mounting bracket kit | <input checked="" type="checkbox"/> Microphone hanger | <input checked="" type="checkbox"/> Speaker plug |
| <input checked="" type="checkbox"/> Spare fuses          |   |  |

## 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.

## MN-100 ANTENNA MATCHER



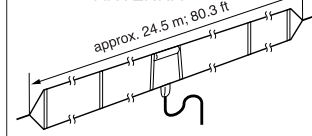
Matches the transceiver to a dipole antenna. Covers all HF bands from 1.5 to 30 MHz. 8 m  $\times$  2 antenna wires come attached.

## MN-100L ANTENNA MATCHER



Match the transceiver to a long wire antenna. Covers all HF bands from 1.5 to 30 MHz. 15 m  $\times$  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



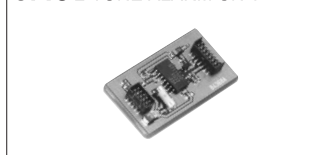
Dynamic microphone with IPX7 water-proof protection. Same as supplied.

## HS-50 HANDSET



Provides clear audio reception and comes in handy for listening privacy.

## UT-95 2-TONE ALARM UNIT



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



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