

IC-M600



A small giant for HF communication.

Small and simple

Icom has made long distance marine SSB communication smaller and easier than ever before with the IC-M600 HF MARINE TRANSCEIVER.

Compact size

Measuring only 287(W) × 90(H) × 233(D) mm,* the IC-M600 is small enough to fit in any sailboat or power boat.

*11.3(W) × 3.5(H) × 9.2(D) in

Simple to operate

Frequencies and memory channels can be accessed quickly and easily with the main dial or keyboard. All functions are readily accessible via the front panel keyboard and are displayed on the large backlit function display.

99 memory channels

Store your most-used frequencies in the 99 memory channels for quick selection. Memory channels store transmit and receive frequencies plus mode.

150 W output power

The IC-M600 packs a full 150 W (PEP)* of output power to ensure reliable, readable communications. In addition, 60 W and 20 W (PEP) of low output power is selectable for shorter distance transmissions.

*For 25.0000~26.9999 MHz: 60 W (PEP).

General coverage receiver

Listen to broadcasting stations from around the world with the IC-M600. Frequency range is 0.5~30.0 MHz in 100 Hz steps.

Other excellent features

- Weather-resistant front panel.
- Meets new ITU channel allocations effective July 1991
- SSB and AM modes.
- One-touch 2182 kHz access for emergency calls.
- Icom's original DDS (Direct Digital Synthesizer) System that provides clear and stable emissions.
- Individual ON/OFF switches for AGC, speaker and squelch.
- Independent clarity control.
- High frequency stability ± 20 Hz in $-30^{\circ}\text{C} \sim +60^{\circ}\text{C}$ range.

SPECIFICATIONS

GENERAL

- Frequency coverage : Transmit 2.0000~ 2.9999 MHz
4.0000~ 4.9999 MHz
6.0000~ 6.9999 MHz
8.0000~ 8.9999 MHz
12.0000~13.9999 MHz
16.0000~16.9999 MHz
18.0000~19.9999 MHz
22.0000~22.9999 MHz
25.0000~26.9999 MHz
- Receive 0.5000~30.0000 MHz
- Mode : J3E (USB), H3E, R3E
- Antenna impedance : 50 Ω (unbalanced)
- Power supply requirement : 13.6 V ±15% DC (negative ground)
- Current drain : Transmit 30 A (at max. output power)
Receive 2 A (at max. audio output power)
- Usable temperature range : -30°C~+60°C
- Frequency stability : ±20 Hz (-30°C~+60°C)
- Dimensions : 287(W) × 90(H) × 233(D) mm
11.3(W) × 3.5(H) × 9.2(D) in
(projections not included)
- Weight : 6.0 kg; 13.2 lb

TRANSMITTER

- Output power : 2.0000~22.9999 MHz 150, 60 or 20 W (PEP)
25.0000~26.9999 MHz 60 or 20 W (PEP)
(selectable)
- Spurious emissions : 65 dB below peak output power
- Carrier suppression : 40 dB below peak output power (for J3E)
- Unwanted side band suppression : 55 dB below peak output power
(with 1500 Hz AF input)
- Microphone impedance : 600 Ω

RECEIVER

- Sensitivity (for 12 dB SINAD)

	0.5~1.8 MHz	1.8~30.0 MHz
J3E, R3E	6.3 μV	0.5 μV
H3E	30 μV	3.16 μV

- Spurious response rejection : -70 dB
- Audio output power : 5 W with a 4 Ω load
- Audio output impedance : 4~8 Ω
- Clarity variable range : ±150 Hz in 10 Hz steps

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

OPTIONS

Icom offers a wide variety of options to suit your needs.

Some versions cannot use all the options listed below, since type approval for the IC-M600 varies between countries. Please check your local Icom Dealer for availability.

■ ANTENNA TUNER AND ANTENNA MATCHERS

- **AT-120 (new ITU version)** HF AUTOMATIC ANTENNA TUNER
Ideal for a small boat that cannot use a long antenna element. For example, the AT-120 automatically matches a 7 m (23 ft) antenna along the 2~27 MHz frequency range.
- **MN-100, MN-100L** ANTENNA MATCHERS
MN-100 : For a dipole or whip antenna.
MN-100L : For a whip or long-wire antenna.
Frequency range : 1.5~30.0 MHz
Max. feedthrough power : 200 W (PEP)

■ MICROPHONE AND HANDSET

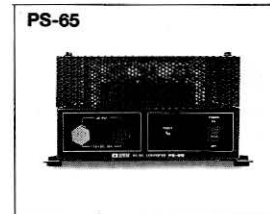
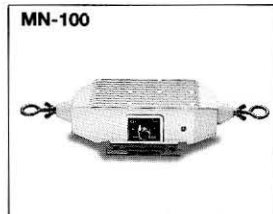
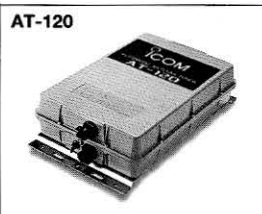
- **EM-48** HAND MICROPHONE
Die-cast, weather-resistant microphone. The same type as supplied with the IC-M600.
- **HS-50** HANDSET KIT
Provides listening privacy on board.

■ POWER SUPPLY AND DC-DC CONVERTERS

- **PS-60** DC POWER SUPPLY
Suitable for a ship equipped with an AC outlet or for a coastal station.
Input voltage : 100, 117, 220 or 240 V AC
Output voltage : 13.6 V DC
Max. current : 30 A
- **PS-65** DC-DC CONVERTER
Incorporates a floating ground system.
Input voltage : 10.5~16 V DC
Output voltage : 13.6 V DC
Max. current : 30 A
- **PS-66** DC-DC CONVERTER
Allows use of a 24 V boat battery and incorporates a floating ground system.
Input voltage : 19~32 V DC
Output voltage : 13.6 V DC
Max. current : 30 A

■ OTHERS

- **OPC-302** ACC CABLE
Allows connection of external equipment via the [ACC(2)] socket. Equipped with 7-pin DIN connector.
- **OPC-303** ACC CABLE
Allows connection of external equipment via the [ACC(1)] socket. Equipped with 8-pin DIN connector.



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