



HF MARINE TRANSCEIVER

IC-M800



SIMPLY THE BEST.

THE OPTICAL FIBER ADVANTAGE

Icom's IC-M800 will change how you think about remote control. The optical fiber advantage gives you direct, immediate, independent and multiple control over the IC-M800. Optical fiber cables send information instantly through beams of light. And they completely eliminate RF feedback from engine noise, refrigeration, etc.

COMPACT, INDEPENDENT CONTROLLER

The compact IC-M800 remote controller is completely splash resistant and measures just 287(W) x 112(H) x 62(D) mm.*¹ A total of 4 separate remote controllers can be connected to the transceiver, allowing you transceiver control from many places onboard.*² Each remote controller can control the transceiver.

*¹ 11.3(W) x 4.4(H) x 2.4(D) in.

*² An optional EX-804 EXPANDER UNIT and EX-803 CONTROLLERS are necessary.

127 USER-PROGRAMMABLE MEMORY CHANNELS

Up to 127 memory channels can be programmed into the IC-M800. Each memory channel stores transmit and receive frequencies and operation mode. Also, up to 7 letter and numeral comments can be memorized in each memory channel for your reference. Name each memory channel for its function (wx, fax, office, etc.).

433 ITU CHANNELS

The IC-M800 is designed with 433 pre-programmed ITU channels. 176 channels are equipped for SSB and 257 channels for FSK modes.

FULLY COVERS ALL MARINE BANDS

The IC-M800 features full transmit and receive coverage of all marine bands from 2.0000 through 22.9999 MHz. The IC-M800 is also a full coverage receiver from 0.5 through 30 MHz covering broadcasts, news agency weather information and other frequencies.

150 W OUTPUT POWER

The transceiver has 150 W (PEP) output power in all modes.

ALL MODE CAPABILITY

High seas transmission is possible in SSB, AM, CW and FSK modes.

MEMORY SCAN FUNCTION

The IC-M800 scans specified memory channels at programmable scan speeds with 1~10 second delay times.

SITOR CAPABILITY

The IC-M800 is designed for SITOR operation.

NOISE BLANKER

The IC-M800 noise blanker eliminates pulse-type noise, such as ignition noise from an engine or motor.

INTERCOM FUNCTION*

The remote controllers can also be linked as an intercom system.

*An optional EX-804 EXPANDER UNIT and EX-803 CONTROLLERS are necessary.

EASY-TO-READ FUNCTION DISPLAY

Quickly view all information required for operation using the large, easy-to-read function display. The function display has an adjustable backlight for night operation and can be turned off when not needed.

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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
	25.0000~26.4999 MHz
Receive	0.5000~30.0000 MHz
- Tuning step increment : 100 Hz
- Modes : J3E (USB, LSB), H3E (AM), R3E (A3A), A1A (CW), J2B (FSK wide, FSK narrow*)
*An optional FL-32A CW AND RTTY NARROW FILTER is necessary for FSK narrow.
- Number of channels : User-programmable 127 ITU (SSB) 176 ITU (FSK) 257
- Antenna impedance : 50 Ω (unbalanced)
- Power supply requirement : 13.6 V DC ±15% (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 : ±15 Hz
(below 23 MHz, at -30°C ~+60°C)
- Dimensions : Main body 287(W) x 112(H) x 325(D) mm
11.3(W) x 4.4(H) x 12.8(D) in.
Remote controller 287(W) x 112(H) x 62(D) mm
11.3(W) x 4.4(H) x 2.4(D) in. (projections not included)
- Weight : Main body 6.5 kg (14.3 lb.)
Remote controller 1.0 kg (2.2 lb.)

OPTIONS

Check out Icom's full line of convenient options at your nearest authorized Icom Dealer.

- **AT-120 HF AUTOMATIC ANTENNA TUNER** Matches a wide range of antenna impedances. For example, the tuner will match a 7-meter (23 feet) long-wire antenna through 2~23 MHz.
- **EX-803 REMOTE CONTROLLER** Additional controller for the IC-M800. Allows you to control the IC-M800 from anywhere on your vessel. The optional EX-804 is necessary.
- **EX-804 EXPANDER UNIT** Allows you to connect up to 4 EX-803s to your IC-M800.
- **FL-32A CW AND RTTY NARROW FILTER** Have a good shape factor and provide you with better CW and RTTY reception.
Center frequency : 9.0106 MHz
Passband width : 500 Hz/ -6 dB
- **HS-50 HANDSET** Perfect for communication during difficult offshore conditions. Also excellent for onboard listening privacy.
- **MN-100 ANTENNA MATCHER** Antenna matcher for dipole or whip antennas.
Max. feedthrough power : 200 W (PEP)
Frequency range : 1.5~30 MHz
- **MN-100L ANTENNA MATCHER** Antenna matcher for whip or long-wire antennas.
Max. feedthrough power : 200 W (PEP)
Frequency range : 1.5~30 MHz

■ TRANSMITTER

- Output power : 150 W (PEP) (all modes)
- Modulation system : Balanced modulation (SSB)
Low power modulation (AM)
- Spurious emissions : 65 dB below peak output power
- Carrier suppression : 50 dB below peak output power (SSB)
- Unwanted sideband : 55 dB below peak output power
(with 1000 Hz AF input)
- Microphone impedance : 600 Ω

■ RECEIVER

- Receiver system : Double-conversion superheterodyne
- Intermediate frequencies :

	SSB	CW, FSK	AM
1st	69.0115	69.0106	69.0100
2nd	9.0115	9.0106	9.0100

Unit: MHz

- Sensitivity

	SSB, CW, FSK	AM
0.50000 ~ 1.79999 MHz	6.3 μV	30 μV
1.80000 ~ 30.0000 MHz	0.5 μV	3.16 μV

For 12 dB SINAD

- Selectivity : SSB 2.3 kHz/-6 dB 4.2 kHz/-60 dB
AM 6 kHz/-6 dB 20 kHz/-60 dB
CW, FSK 500 Hz/-6 dB 1.6 kHz/-60 dB*
*with optional FL-32A CW AND RTTY NARROW FILTER
- Spurious response rejection : -70 dB ● Audio output impedance : 4~8 Ω
- Audio output power : 5 W ● Clarity variable range : ±150 Hz

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

- **PS-60 AC POWER SUPPLY** AC power supply for coastal station use.
Input voltage : 100, 117, 220 or 240 V AC
Output voltage : 13.6 V DC
Max. current : 30 A
- **PS-65 DC-DC CONVERTER** Converts 10.5~16 V DC input to 13.6 V DC for the IC-M800. The PS-65 incorporates a floating ground system, ensuring operating safety.
Input voltage : 10.5~16 V DC
Output voltage : 13.6 V DC
Max. current : 30 A
- **PS-66 DC-DC CONVERTER** Enables you to use a 24 V boat battery. The PS-66 incorporates a floating ground system, ensuring operating safety.
Input voltage : 19~32 V DC
Output voltage : 13.6 V DC
Max. current : 30 A

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