



MF/HF MARINE TRANSCEIVER

IC-M801E



* The above photo includes optional antenna tuner, AT-141.

MF/HF SSB radio telephone with Class E DSC operation

- ITU Class E DSC for non-solas vessels
When used with the optional antenna tuner, AT-141, and the OPC-1465 cable, the IC-M801E meets Class E DSC standards.
- 4×8 inch remote controller design matches to Icom VHF radios, IC-M601 or M505
- Large LCD with full dot-matrix characters
- Built-in DC-DC power converter
Built-in DC-DC power converter provides 13.6V DC either from 12V DC or 24V DC, depending on version.
- Digital IF filter provides flexible filter setting for narrow mode operation
- Stable 125W* (PEP) of output power
(* 4.0–27.5MHz)
- Optional antenna tuner, AT-141, with bypass function
- 0.5–29.999MHz continuous receive coverage

Icom Inc.

SPECIFICATIONS

GENERAL

- Frequency coverage (Unit : MHz):
 - Receive 0.5–29.9999 (continuous)
 - Transmit 1.6–2.9999, 4.0–4.9999, 6.0–6.9999, 8.0–8.9999, 12.0–13.9999, 16.0–17.9999, 18.0–19.9999, 22.0–22.9999, 25.0–27.5000
- DSC 2.1875, 4.2075, 6.3120, 8.4145, 12.5770, 16.8045
- Type of emission : J3E (USB/LSB*), J2B (AFSK), F1B (FSK, DSC), A1A* (CW), H3E* (AM)
 - * LSB, A1A, H3E modes are receive only
- Number of channels : 1205 (max.)
 - (160 programmable channels; 249 ITU SSB duplex; 124 ITU SSB simplex; 662 ITU FSK duplex; 10 Semi/auto channels)
- Antenna impedance : 50Ω (SO-239×2)
- Power supply requirement :
 - 12V version 10.8V–15.6V DC (floating ground)
 - 24V version 21.6V–31.2V DC (floating ground)
- Current drain :
 - Tx Max. power 60A/30A (12V/24V version)
 - Rx Max. audio Less than 6.0A/3.0A (12V/24V version)
- Operating temp. range : -15°C to +55°C
- Frequency stability : ±10Hz (Approx. 5 min. after battery connection)
- Dimensions (Projections not included):
 - Main unit 367(W)×95(H)×260(D)mm
 - Controller (RC-25E) 220(W)×110(H)×84.4(D)mm
 - Speaker (SP-24E) 110(W)×110(H)×84.4(D)mm
- Weight :
 - Main unit 8.5kg
 - Controller (RC-25E) 570g
 - Speaker (SP-24E) 370g

TRANSMITTER

- Output power (With AT-141) :
 - 1.6–3.999MHz 85W PEP
 - 4.0–27.500MHz 125W PEP
- Spurious emissions : 43dB below peak output power
- Carrier suppression : 40dB below peak output power
- Unwanted sideband : 55dB below peak output power (With 1kHz AF input; at Max. power)
- Microphone connector : 8-pin connector (2.4kΩ)

RECEIVER

	J3E, A1A	J2B, F1B	H3E	DSC
0.5– 1.5999MHz	30dBμV	–	44dBμV	0dBμV
1.6– 1.7999MHz	13dBμV	13dBμV	30dBμV	(at 1% error rate)
1.8– 3.9999MHz	8dBμV	8dBμV	24dBμV	
4.0–29.9999MHz			–	

- Sensitivity (at 20dB SINAD; emf) : More than 70dB
- Spurious response rejection :
 - 0.5–29.9999MHz More than 70dB
 - DSC More than 70dB (except ½ 2nd IF image)
- Audio output power (at 12/24V DC) : 4.0W typical at 10% distortion with a 4Ω load
- Clarity variable range : ±150Hz
- Headphone connector : 3-conductor 3.5 (d) mm (⅜")
- Speaker connector : 2-conductor 3.5 (d) mm (⅜") /4Ω

Supplied accessories:

- Separation cable, OPC-1466
- External speaker, SP-24E
- Handset, HS-98
- GPS plugs
- Mounting bracket
- DC power cables
- Spare fuses

Measurements made in accordance with EN300 373-2 and EN300 373-3. 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.



Matches the transceiver to a long wire antenna with little insertion loss. Antenna and control cable receptacles are easy to install.



10m shielded control cable connects between AT-141 and transceiver. Protects the transceiver from RF feedback.



Stainless steel one-action bracket. Transceiver main unit is easily attached or removed. The photo shows installation example.



For mounting the controller, RC-25E or the SP-24E to a panel.



Remote function microphone equipped with channel and programmable buttons.

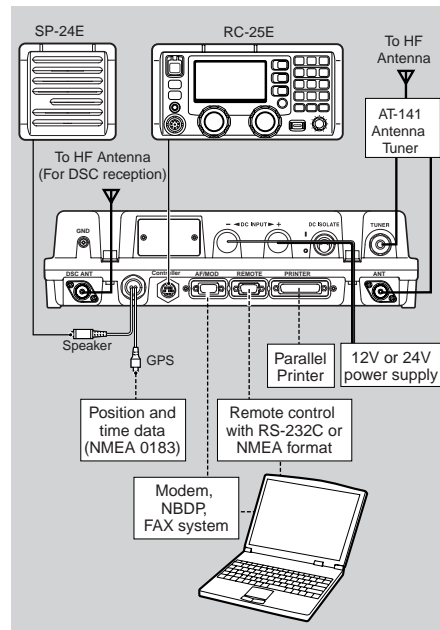


Provides clear audio reception. Same as supplied.

- **RC-25E REMOTE CONTROLLER**
Remote controller head. Same as supplied.

- **SP-24E EXTERNAL SPEAKER**
4×4-inch external speaker. Same as supplied. Input impedance: 4Ω. Max. input power: 7W.

SYSTEM OVERVIEW



Your local distributor/dealer:

Maximon Solutions T: 0845 873 6250
 22 Soho Mills F: 0845 873 6251
 Wooburn Green E: sales@maximonsolutions.com
 Buckinghamshire
 HP10 0PF