

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

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-239x2)
• 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 (at 1% error rate)
1.6– 1.7999MHz	13dBμV	13dBμV	30dBμV	
1.8– 3.9999MHz	8dBμV	8dBμV	24dBμV	
4.0–29.9999MHz	–	–	–	

- Sensitivity (at 20dB SINAD; emf) : 0.5–29.9999MHz More than 70dB
- Spurious response rejection : DSC More than 70dB (except 1/2 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 (1/8")
- Speaker connector : 2-conductor 3.5 (d) mm (1/8")/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.

AT-141 AUTOMATIC ANTENNA TUNER



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

OPC-1465 SHIELDED CONTROL CABLE



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

MB-108 MOUNTING BRACKET



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

MB-75 FLUSH MOUNT KIT



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

HM-135 HAND MICROPHONE



Remote function microphone equipped with channel and programmable buttons.

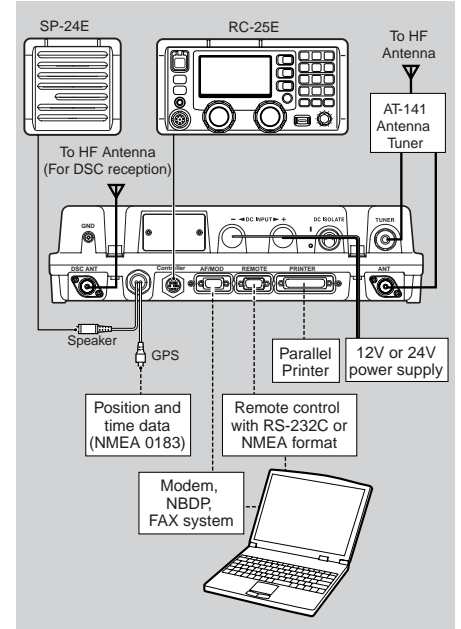
HS-98 HANDSET



Provides clear audio reception. Same as supplied.

- **RC-25E REMOTE CONTROLLER**
Remote controller head. Same as supplied.
- **SP-24E EXTERNAL SPEAKER**
4x4-inch external speaker. Same as supplied. Input impedance: 4Ω. Max. input power: 7W.

SYSTEM OVERVIEW



Icom Inc. 1-1-32, Kamiminami, Hirano-ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (06) 6793 0013 URL: <http://www.icom.co.jp/world/index.html> **Count on us!**

Icom America Inc.
2380 116th Avenue NE,
Bellevue, WA 98004, U.S.A.
Phone : +1 (425) 454-8155
Fax : +1 (425) 454-1509
E-mail : sales@icomamerica.com
URL : <http://www.icomamerica.com>

Icom New Zealand
146A Harris Road, East Tamaki,
Auckland, New Zealand
Phone : +64 (09) 274 4062
Fax : +64 (09) 274 4708
E-mail : inquiries@icom.co.nz
URL : <http://www.icom.co.nz>

Icom (UK) Ltd.
Unit 9, Sea St., Herne Bay,
Kent, CT6 8LD, U.K.
Phone : +44 (01227) 741741
Fax : +44 (01227) 741742
E-mail : info@icomuk.co.uk
URL : <http://www.icomuk.co.uk>

Asia Icom Inc.
6F No. 68, Sec. 1 Cheng-Teh Road,
Taipei, Taiwan, R.O.C.
Phone : +886 (02) 2559 1899
Fax : +886 (02) 2559 1874
E-mail : sales@asia-icom.com
URL : <http://www.asia-icom.com>

Your local distributor/dealer:

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

Icom (Europe) GmbH
Communication Equipment
Himmelgeister Str. 100,
D-40225 Düsseldorf, Germany
Phone : +49 (0211) 346047
Fax : +49 (0211) 333639
E-mail : info@icom-europe.com
URL : <http://www.icomeurope.com>

Icom France S.a
Zac de la Plaine, 1,
Rue Brindejonc des Moulinais BP 5804,
31505 Toulouse Cedex, France
Phone : +33 (5) 61 36 03 03
Fax : +33 (5) 61 36 03 00
E-mail : icom@icom-france.com
URL : <http://www.icom-france.com>

Beijing Icom Ltd.
10C07, Long Silver Mansion, No.88, Yong Ding
Road, Haidian District, Beijing, 100039, China
Phone : +86 (010) 5889 5391/5392/5393
Fax : +86 (010) 5889 5395
E-mail : bjicom@bjicom.com
URL : <http://www.bjicom.com>

Icom (Australia) Pty. Ltd.
A.B.N. 88 006 092 575
Unit 1 / 103 Garden Road,
Clayton VIC 3169, Australia
Phone : +61 (03) 9549 7500
Fax : +61 (03) 9549 7505
E-mail : sales@icom.net.au
URL : <http://www.icom.net.au>

Icom Spain S.L.
Ctra. Rubi, No. 88 "Edificio Can Castanyer"
08190, Sant Cugat del Valles, Barcelona, Spain
Phone : +34 (93) 590 26 70
Fax : +34 (93) 589 04 46
E-mail : icom@icomspain.com
URL : <http://www.icomspain.com>

Icom Polska
Sopot, 3 maja 54, Poland
Phone : +48 (58) 550 7135
Fax : +48 (58) 551 0484
E-mail : icompolska@icompolksa.com.pl
URL : <http://www.icompolska.com.pl>