

IC-F7000



SPECIFICATIONS

GENERAL

- Frequency coverage (Unit : MHz):
Rx 0.5- 29.9999 (continuous)
Tx 1.6-29.9999*
* Some frequency ranges are not guaranteed.
- Type of emission* : J3E (USB, LSB), J2B (AFSK), F1B (FSK), A1A (CW), A3E (AM)
* J3E and A3E only at factory default for Australia version.
- Number of channels : 400 regular channels, 100 ALE channels
- Antenna impedance : 50Ω (SO-239)
- Power supply requirement : 13.8V DC (10.8-15.6V)
- Current drain (at 13.8V DC):

	Tx		Rx	
	2-Tone	Voice	Max. Audio	
Australia	1.6-29.9MHz	15A	10A	3.0A
General	1.6-3.9MHz	17A	12A	3.0A
	4.0-29.9MHz	16A	11A	

- Operating temp. range : -10°C to +60°C
- Frequency stability : ±50Hz (at -10°C to +60°C)
- Dimensions (W×H×D; projections not included):
Main unit 240×72×239mm; 9¹/₁₆×2⁷/₃₂×9¹/₃₂ in
Controller 150×50×51mm; 5⁹/₃₂×2¹/₃₂×2 in
Speaker 106×62×46mm; 4¹/₁₆×2¹/₁₆×1¹/₁₆ in
- Weight :
Main unit 4.6kg; 10.1lb
Controller 220g; 7.7oz
Speaker 370g; 13oz

All stated specifications are subject to change without notice or obligation. Measurements made in accordance with AS/NZS4770-2000. (Australia version only)

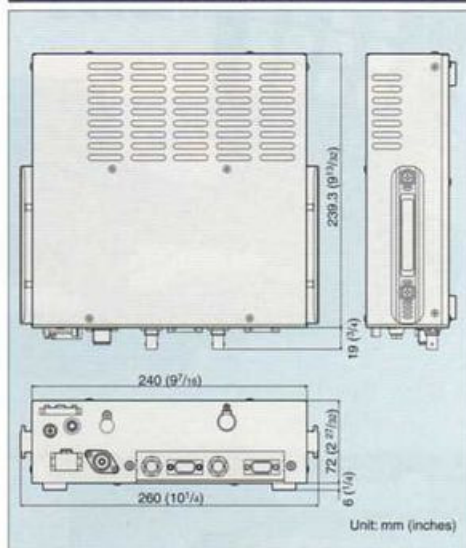
TRANSMITTER

- Output power (Selectable) :
Australia 1.6-29.9MHz 100, 50, 10W PEP
General 1.6-3.9MHz 125, 50, 10W PEP
4.0-29.9MHz 100, 50, 10W PEP
- Spurious emissions : -43dB below peak output power
- Carrier suppression : 40dB below peak output power
- Unwanted sideband : 50dB below peak output power (with 1500Hz AF Input)
- Microphone impedance : 600Ω

RECEIVER

- Sensitivity (pre-amp. ON) :
J3E (at 20dB SINAD) 25.1μV emf
A3E (at 20dB SINAD) 200μV emf
0.5 - 1.5999MHz 12.6μV
100μV
1.6 - 29.9999MHz 1.0μV emf
0.5μV
- Squelch sensitivity (at S-meter) :
J3E (at 13.800MHz) Less than 10μV (threshold)
Less than 32mV (tight)
A3E (at 1.000MHz) Less than 32μV (threshold)
Less than 320mV (tight)
- Spurious response rejection ratio: (1.6-29.9999MHz) More than 70dB
- Audio output power : 4.0W typical at 10% distortion with a 4Ω load
- Clarity variable range : ±150Hz
- Speaker connector : 2-conductor 3.5 (d) mm (1/8")/4Ω

DIMENSIONS



Supplied accessories:

- Hand microphone, HM-146
- Remote controller, RC-26
- DC power cable
- Tuner connector kit
- Mounting bracket kits for main unit and remote controller
- External speaker, SP-25
- Microphone hanger
- ACC plugs (8-pin DIN)
- Spare fuses

OPTIONS



PS-60 DC POWER SUPPLY
Provides 13.6V DC (30A) output from an AC outlet.



AT-140 HF AUTOMATIC ANTENNA TUNER
Covers 1.6-30MHz with a 7m (23 ft) or longer wire antenna. AT-130/E is also available.



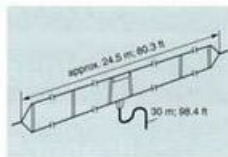
AH-2b ANTENNA ELEMENT
For mobile operation with the AT-140 or AT-130/E. All bands between 7-30MHz can be matched.



MN-100 ANTENNA MATCHER
Match the transceiver to a dipole antenna without applying DC power. 8m×2 antenna wires come attached.



MN-100L ANTENNA MATCHER
Match the transceiver to a long-wire antenna without applying DC power. 15m×1 antenna wire comes attached.



AH-710 FOLDED DIPOLE ANTENNA
Covers from 1.9 to 30MHz. Has an SO-239 connector. Easy to assemble (non-kink construction).



HM-146 HAND MICROPHONE
RC-26 REMOTE CONTROLLER
Remote function microphone and remote controller head. Same as supplied.



SP-25 EXTERNAL SPEAKER
External speaker. Same as supplied. Input impedance: 4Ω. Max. input power: 7W.



OPC-1286 SHIELDED CONTROL CABLE
10m (32.8ft) shielded control cable connects between AT-140 and transceiver.



OPC-1287 SHIELDED CONTROL CABLE
5m (16.4ft) shielded control cable connects between Moonraker AT230 and transceiver.



AT230 AUTOMATIC TUNING ANTENNA
(Moonraker Australia Pty. Limited) 2.6m (8.5ft) length mobile mount whip antenna covers 2-30MHz with automatic tuning function. Continuous CW transmission at high power not guaranteed with AT230.

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.

<Corporate Headquarters>
2380 116th Avenue N.E., Bellevue, WA 98004, U.S.A.
Phone: +1 (425) 454-8155 Fax: +1 (425) 454-1509
URL : <http://www.icomamerica.com>
<Customer Service> Phone: +1 (425) 454-7619

Icom Canada

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

Icom (Australia) Pty. Ltd.

A.B.N. 88 006 092 575
290-294 Albert Street, Brunswick, Victoria, 3056, Australia
Phone: +61 (03) 9387 0666 Fax: +61 (03) 9387 0022
URL : <http://www.icom.net.au>

Icom New Zealand

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

Icom (Europe) GmbH

Communication Equipment
Himmelgeister Str. 100, D-40225 Düsseldorf, Germany
Phone: +49 (0211) 346047 Fax: +49 (0211) 333639
URL : <http://www.icomeurope.com>

Icom Spain S.L.

Ctra. de Gracia a Manresa Km. 14,750
08190 Sant Cugat del Valles Barcelona, Spain
Phone: +34 (93) 590 26 70 Fax: +34 (93) 589 04 46
URL : <http://www.icomspain.com>

Icom (UK) Ltd.

Unit 9, Sea St., Heme Bay, Kent, CT6 8LD, U.K.
Phone: +44 (01227) 741741 Fax: +44 (01227) 741742
URL : <http://www.icomuk.co.uk>

Icom France S.a

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

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
URL : <http://www.asia-icom.com>

Beijing Icom Ltd.

1305, Wanshang Plaza, Shijingshan Road, Beijing, China
Phone: +86 (010) 6866 6337 Fax: +86 (010) 6866 3553
URL : <http://www.bjicom.com>



JP98/14190QA TW03/00288EM
Icom Inc. (Japan), is an ISO 9001 and ISO 14001 certification acquired company.

Your local distributor/dealer: