

SPECIFICATIONS

GENERAL	
Frequency coverage*1 (Unit: MHz)	Receiver 0.030-60.000*2 Transmit 1.810-1.999 3.500-3.800 7.000-7.200 10.100-10.150 14.000-14.350 18.068-18.168 21.000-21.450 24.890-24.990 28.000-29.700 50.000-52.000
Mode	USB, LSB, CW, RTTY, PSK31, AM, FM
No. of memory channels	101 (99 regular, 2 scan edges)
Antenna connector	SO-239×2 and RCA×1 (50Ω unbalanced (Tuner off))
Operating temp. range	0°C to +50°C; +32°F to +122°F
Power supply requirement	13.8V DC ±15%
Frequency stability	Less than ±0.5ppm (0°C to +50°C)
Frequency resolution	1Hz (minimum)
Current drain	TX: 23A (Max. power) RX: 3.5A/3A (Max. audio/standby)
Dimensions (W×H×D, projections not included)	340 × 116 × 279.3 mm; 13.39 × 4.57 × 11 in
Weight (approximate)	10 kg; 22 lb
TRANSMITTER	
Output power	SSB/CW/FM/RTTY/PSK31: 2-100W AM: 1-30W
Modulation system	SSB: Digital P.S.N. modulation AM: Digital low power modulation FM: Digital phase modulation
Spurious emissions	HF bands: More than 50dB 50MHz band: More than 63dB
Carrier suppression	More than 40dB
Unwanted sideband suppression	More than 55dB
Microphone impedance	600Ω (8-pin connector)

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










RECEIVER			
Receive system	Double conversion super-heterodyne system		
Intermediate frequencies	64.455MHz/36kHz (1st/2nd)		
Sensitivity (typical)	(HF: Pre-amp 1 ON, 50MHz: Pre-amp 2 ON)		
	0.1-1.799MHz	1.8-29.995MHz	50-54MHz
SSB, CW (BW=2.4kHz, at 10dB S/N)	-	0.15μV	0.12μV
AM (BW=6kHz, at 10dB S/N)	6.3μV	2.0μV	1.6μV
FM (BW=15kHz, at 12dB SINAD)	-	0.5μV (28-29.7MHz)	0.3μV
Squelch sensitivity (threshold)	SSB, CW, RTTY, PSK: Less than 3.2μV (Pre-amp: ON) FM: Less than 0.3μV (Pre-amp: ON)		
Selectivity	More than	Less than	
SSB (BW=2.4kHz, sharp)	2.4kHz/-6dB	3.8kHz/-60dB	
CW (BW=500Hz, sharp)	500Hz/-6dB	900Hz/-60dB	
RTTY (BW=350Hz)	350Hz/-6dB	650Hz/-60dB	
AM (BW=6kHz)	6.0kHz/-6dB	15.0kHz/-60dB	
FM (BW=15kHz)	12.0kHz/-6dB	20.0kHz/-60dB	
Spurious and image rejection ratio	More than 70dB		
Audio output power	More than 2.0W (10% distortion, 8Ω load)		
RIT variable range	±9.999kHz		
ANTENNA TUNER			
Matching impedance range	HF bands: 16.7Ω to 150Ω unbalanced (VSWR better than 3:1) 50MHz: 20Ω to 125Ω unbalanced (VSWR better than 2.5:1)		
Minimum operating power	HF bands: 8W 50MHz band: 15W		
Tuning accuracy	VSWR 1.5:1 or less (Motor stopped)		
Insertion loss	Less than 1.0 dB (after tuning at 100W output)		

Supplied accessories:

- Hand microphone, HM-36 • Carrying handle, MB-121 • DC power cable • Spare fuses • CW key plugs

OPTIONS

Some options may not be available in some countries. Please ask your dealer for details.

HM-36 HAND MICROPHONE 	DESKTOP MICROPHONES SM-50 Dynamic microphone with low-cut filter  SM-30 Compact, lightweight electret microphone. 	SP-23 EXTERNAL SPEAKER  Hi-pass and low-pass filters with two cut-off frequencies.	PS-126 DC POWER SUPPLY  13.8V DC, 25A max.	AH-4 HF+50MHz AUTO-ANTENNA TUNER  Covers 3.5-54MHz with a 7m (23ft) or longer wire antenna.	AH-2b ANTENNA ELEMENT  Covers 7-54MHz. Use with AH-4.	
IC-PW1EURO HF+50MHz 1kW HF LINEAR AMPLIFIER 	CT-17 CI-V LEVEL CONVERTER 	RS-BA1 IP REMOTE CONTROL SOFTWARE  For use with RS-BA1	RC-28 USB REMOTE ENCODER 	AH-5NV NVIS KIT  Fiberglass mobile mounting antenna element for use with AH-740. Covers 2.2-30MHz (amateur band) with AH-740.	OPC-2321 CONTROL CABLE  Control cable for use with AH-740. (6m; 19.6ft)	AH-740 AUTOMATIC TUNING ANTENNA  Covers 2.5-30MHz (amateur band). OPC-2321 is required.

The LCD display may have cosmetic imperfections that appear as tiny spots. This is not a malfunction or defect, but a normal characteristic of LCD displays.

Icom, Icom Inc. and Icom logo are registered trademarks of Icom Incorporated (Japan) in Japan, the United States, the United Kingdom, Germany, France, Spain, Russia, Australia, New Zealand and/or other countries.

Icom Inc.

1-1-32, Kami-minami, Hirano-Ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (06) 6793 0013

www.icom.co.jp/world

Count on us!

Icom America Inc.

12421 Willows Road NE,
Kirkland, WA 98034, U.S.A.
Phone: +1 (425) 454-8155
Fax: +1 (425) 454-1509
E-mail: sales@icomamerica.com
URL: <http://www.icomamerica.com>

Icom (Europe) GmbH

Communication Equipment
Auf der Krautweide 24
65812 Bad Soden am Taunus, Germany
Phone: +49 (6196) 76685-0
Fax: +49 (6196) 76685-50
E-mail: info@icomeurope.com
URL: <http://www.icomeurope.com>

Icom France s.a.s.

Zac de la Plaine,
1 Rue Brindejonc des Moulinais, BP 45804,
31505 Toulouse Cedex 5, 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>

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 17A, 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 Spain S.L.

Ctra. Rubi, No. 88 "Edificio Can Castanyer"
Bajos A 08174, 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 (Australia) Pty. Ltd.

Unit 1 / 103 Garden Road,
Clayton, VIC 3168 Australia
Phone: +61 (03) 9549 7500
Fax: +61 (03) 9549 7505
E-mail: sales@icom.net.au
URL: <http://www.icom.net.au>

Shanghai Icom Ltd.

No.101, Building 9, Caifuxingyuan Park,
No.188 Maoting Road, Chedun Town,
Songjiang District, Shanghai, 201611, China
Phone: +86 (021) 6153 2768
Fax: +86 (021) 5765 9987
E-mail: bjicom@bjicom.com
URL: <http://www.bjicom.com>

Icom Brazil

Rua Itororó, 444 Padre Eustáquio
Belo Horizonte MG,
CEP: 30720-450, Brazil
Phone: +55 (31) 3582 8847
Fax: +55 (31) 3582 8987
E-mail: sales@icombrasil.com

Icom (UK) Ltd.

Blacksole House, Altira Park,
Herne Bay, Kent, CT6 6GZ, U.K.
Phone: +44 (0) 1227 741741
Fax: +44 (0) 1227 741742
E-mail: info@icomuk.co.uk
URL: <http://www.icomuk.co.uk>

Icom New Zealand

39C Rennie Drive, Airport Oaks,
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>



HF/50MHz TRANSCEIVER

IC-7600

The Flagship's Lineage

