

IC-756PROIII

Take your DXing to the Next Level

+30dBm-class Third-order Intercept Point



SPECIFICATIONS

GENERAL

- Frequency coverage :
 - USA version
 - Rx 0.030–60.000MHz**
 - Tx 1.800–1.999MHz 3.500–3.999MHz
 - 5.3305, 5.3465, 5.3665, 5.3715, 5.4035MHz**
 - 7.000–7.300MHz 10.100–10.150MHz
 - 14.000–14.350MHz 18.068–18.168MHz
 - 21.000–21.450MHz 24.890–24.990MHz
 - 28.000–29.700MHz 50.000–54.000MHz
 - Europe version
 - Rx 0.030–60.000MHz**
 - Tx 1.810–1.999MHz 3.500–3.800MHz
 - 7.000–7.100MHz 10.100–10.150MHz
 - 14.000–14.350MHz 18.068–18.168MHz
 - 21.000–21.450MHz 24.890–24.990MHz
 - 28.000–29.700MHz 50.000–52.000MHz
- ** Some freq. bands are not guaranteed. ** USB mode only
- Mode : USB, LSB, CW, RTTY, AM, FM
- Number of memory Ch. : 101 (99 regular, 2 scan edges)
- Antenna connector : SO-239×2 and phono [RCA; (50Ω)]
- Temperature range : -10°C to +50°C; +14°F to +122°F
- Frequency stability : Less than ±0.5ppm (1 min. after power ON; 0°C to 50°C; +32°F to +122°F)
- Frequency resolution : 1Hz
- Power supply requirement : 13.8V DC ±15% (negative ground)
- Power consumption :
 - Tx Max. power 23A
 - Rx Standby 3.0A (typ.)
 - Max. audio 3.5A (typ.)
- Dimensions : 340(W)×111(H)×285(D) mm; (projections not included) 13½(W)×4¾(H)×11¼(D) in
- Weight (approx.) : 9.6kg; 21lb 10z

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.

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

TRANSCEIVER

- Output power : SSB, CW, RTTY, FM 5–100W (continuously adjustable) 5–40W
- Modulation system : SSB DPSN modulation AM Digital low power modulation FM Digital phase modulation
- Spurious emission : Less than -50dB (HF bands) Less than -60dB (50MHz band)
- Carrier suppression : More than 40dB
- Unwanted sideband suppression : More than 55dB
- Microphone connector : 8-pin connector (600Ω)

RECEIVER

- Receive system : Triple conversion superheterodyne system
- Intermediate frequencies : 1st 64.455MHz (for all modes) 2nd 455kHz (for all modes) 3rd 36kHz (for all modes)
- Sensitivity (typical) :

Frequency Range (MHz)	SSB, CW, RTTY (at 2.4kHz BW)	AM (at 6kHz BW)	FM (at 15kHz BW)
0.50–1.799	—	13μV	—
1.80–27.99	0.16μV**	2μV**	—
28.0–29.99	0.16μV**	2μV**	0.5μV**
50.0–54.0	0.13μV**	1μV**	0.32μV**

10dB S/N for SSB, CW, RTTY and AM, 12dB SINAD for FM
*Pre-amp 1 is ON, **Pre-amp 2 is ON

- Squelch sensitivity (Pre-amp: OFF): SSB, CW, RTTY Less than 5.6μV FM Less than 1μV

• Selectivity (representative value):

- SSB, RTTY (BW: 2.4kHz) : More than 2.4kHz/-6dB Less than 3.2kHz/-40dB Less than 3.6kHz/-60dB Less than 4.3kHz/-80dB
- CW (BW: 500Hz) : More than 500Hz/-6dB Less than 700Hz/-60dB More than 6.0kHz/-6dB Less than 15.0kHz/-60dB More than 12.0kHz/-6dB Less than 20.0kHz/-60dB
- AM (BW: 6kHz) : More than 70dB (except IF through on 50MHz band)
- FM (BW: 15kHz) : More than 2.0W at 10% distortion with an 8Ω load
- Spurious and image rejection ratio : ±9.999kHz
- AF output power (at 13.8V DC) : 2-pin connector 6.35 (d) mm (¼")
- RIT variable range : 2-pin connector 3.5 (d) mm (¼")/8Ω
- PHONES connector : 2-pin connector 3.5 (d) mm (¼")/8Ω
- EXT SP connector : 2-pin connector 3.5 (d) mm (¼")/8Ω

ANTENNA TUNER

- Matching impedance range: HF bands 16.7–150Ω unbalanced** 50MHz band 20–125Ω unbalanced**
- **Less than VSWR 3:1; **Less than VSWR 2.5:1
- Min. operating input power: 8 W
- Tuning accuracy : VSWR 1.5:1 or less (SWR after the motor has stopped)
- Insertion loss : Less than 1.0dB (after tuning)

Supplied accessories:

- Hand microphone
- DC power cable
- Spare fuses
- CW key plug

OPTIONS



IC-PW1/IC-PW1EURO HF+50MHz 1kW LINEAR AMPLIFIER
Covers all HF and 50MHz bands, provides clean, stable 1kW output. Automatic antenna tuner and compact detachable controller are standard. 2 exciter inputs are available.



AH-4 HF+50MHz AUTOMATIC ANTENNA TUNER
Covers 3.5–54MHz with a 7m (23 ft) or longer wire antenna.



AH-2b ANTENNA ELEMENT
A 2.5m long antenna element for mobile operation with the AH-4. All amateur bands between 7–54 MHz can be matched.



CT-17 CI-V LEVEL CONVERTER
For remote transceiver control using a PC equipped with an RS-232C port. You can change frequencies, operating mode, etc.



HM-36 HAND MICROPHONE
Same as supplied.



PS-125 DC POWER SUPPLY
Style and size are matched to the IC-756PROIII.
13.8V DC, 25A max.



SM-20 DESKTOP MICROPHONE
Unidirectional, electret microphone for base station operation. [UP/DOWN] switches and a low cut function are available.



SP-23 EXTERNAL SPEAKER
4 audio filters; headphone jack. Input impedance: 8Ω
Max. input power: 5W



UT-102 VOICE SYNTHESIZER UNIT
Announces operating frequency and mode in English.

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 N.E., 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>
<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
E-mail: info@icomcanada.com
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
E-mail: sales@icom.net.au
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
E-mail: inquiries@icom.co.nz
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
E-mail: info@icom-europe.com
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
E-mail: icom@icomspain.com
URL: <http://www.icomspain.com>

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>

Icom France S.a

Zac de la Plaine, 1,
Rue Brindejonn 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>

Icom Polska

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

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>

Beijing Icom Ltd.

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



Icom Inc. (Japan), is an ISO 9001 and ISO 14001 certification acquired company.

Your local distributor/dealer: