

## SPECIFICATIONS

GENERAL				
Frequency coverage*1 (Unit: MHz)				
Receiver	0.030-60.000*2			
Transmit	0.1357-0.1378	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	
	*1 Showing EUR version. Varies according to version. *2 Some frequency bands are not guaranteed.			
Mode	USB, LSB, CW, RTTY, PSK31/63, AM, FM			
No. of memory channels	101 (99 regular, 2 scan edges)			
Antenna connector	SO-239x4 and BNCx2 (50Ω unbalanced (Tuner off))			
Operating temp. range	0°C to +50°C; +32°F to +122°F			
Frequency stability	Less than ±0.05ppm (0°C to +50°C @ 54MHz, after warm up)			
Frequency resolution	1Hz (minimum)			
Power supply requirement	85-265V AC			
Current drain	TX: 800VA (Max. power)			
	RX: 130VA/120VA typ. (Max. audio/standby)			
Dimensions (WxHxD, projections not included)	425x149x435 mm; 16.73x5.87x17.13 in			
	Weight (approximate) 23.5 kg; 51.8 lb			
TRANSMITTER				
Output power	SSB/CW/FM/RTTY/PSK: 5-200W			
	AM: 5-50W Transverter connector (CW): More than -20dBm			
Modulation system	SSB : Digital P.S.N. modulation AM : Digital low power modulation FM : Digital phase modulation			
Spurious emissions	HF bands: More than 60dB			
	50MHz band: More than 70dB			
Carrier suppression	More than 63dB			
Unwanted sideband suppression	More than 70dB			
ΔTX variable range	±9.999kHz			
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	Main receiver: 64.455MHz/36kHz (1st/2nd)		
	Sub receiver: 64.555MHz/36kHz (1st/2nd)		
Sensitivity (typical)	(HF: Pre-amp 1 ON, 50MHz: Pre-amp 2 ON)		
	0.1-1.799MHz	1.8-29.990MHz	50-54MHz
	SSB, CW, RTTY, PSK (BW=2.4kHz, at 10dB S/N)	0.5μV	0.16μV
AM (BW=6kHz, at 10dB S/N)	6.3μV	2μV	1μV
FM (BW=15kHz, at 12dB SINAD)	-	0.5μV (28-29.9MHz)	0.32μV
Squelch sensitivity	SSB, CW, RTTY, PSK: Less than 5.6μV (Pre-amp: OFF) FM: Less than 1μV (Pre-amp: OFF)		
Selectivity	More than		Less than
	SSB (BW=2.4kHz, sharp)	2.4kHz/-3dB	3.6kHz/-60dB
CW/RTTY/PSK (BW=500Hz, sharp)	500Hz/-3dB	700Hz/-60dB	
AM (BW=6kHz)	6.0kHz/-3dB	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 2.6W (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		
Insertion loss	Less than 1.0 dB (after tuning)		

Supplied accessories: (\* May differs depending on version)

- Rack mount handles
- SD card
- AC power cable
- Spare fuses
- Plugs

## OPTIONS

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



### IC-PW1/IC-PW1EURO

HF+50MHz 1kW LINEAR AMPLIFIER  
Automatic antenna tuner and compact detachable controller are standard. 2 exciter inputs and 4 antenna connectors are available.

### SP-34 EXTERNAL SPEAKER

4 audio filters; headphone jack; can connect to 2 transceivers.  
Input impedance: 8Ω Max. input: 5W

### SM-50 DESKTOP MICROPHONE

Dynamic microphone with [UP/DOWN] switches.

### HM-36 HAND MICROPHONE



### SP-33 EXTERNAL SPEAKER

Wooden box speaker.



### SM-30 DESKTOP MICROPHONE



### CT-17 CI-V LEVEL CONVERTER



### RS-BA1 IP REMOTE CONTROL SOFTWARE

Windows® based software



### RC-28 USB REMOTE ENCODER

For use with RS-BA1



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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.

Blacksloe House, Altria 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

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