

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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THE TRANSCEIVER

IC-7851

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