

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-239x2 and RCAx1 (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 (WxHxD, 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.

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HF/50MHz TRANSCEIVER

IC-7600

The Flagship's Lineage

