

ICOM

HF ALL BAND TRANSCEIVER

IC-751A



Can you handle this much transceiver?

- 100% Duty Cycle Transmitter
- 105 dB Dynamic Range
- All Modes Built-In USB, LSB, AM, FM, CW, RTTY
- 12 V Operation

TOP-OF-THE LINE PERFORMER

The IC-751A is an HF base station transceiver designed for the ham operator who demands high performance. Whether entering contests or QSY'ing for pleasure, the 100W IC-751A incorporates the best features of the IC-751, and brings you to the forefront of technology with the following most-requested additions.

MORE CW CONTROL

For the CW enthusiast, the IC-751A includes an electronic keyer unit, QSK rated at up to 40 wpm, built-in FL-32A 9 MHz/500 Hz CW narrow filter and CW sidetone to monitor your code in Rx or Tx modes...great for practice!

GENERAL COVERAGE RECEIVER

Includes general coverage reception from 100 kHz to 30 MHz. Great for listening to shortwave broadcasts.

IMPROVED SMOOTH TUNING

The IC-751A features a newly designed tuning control for velvet smooth tuning.

ADDED LED ANNUNCIATOR

For easy identification if you're using the tuning speed, dial, or band switching functions.

32 MEMORIES

Mode and frequency data can be stored in any of 32 memories...all the memory capability you'll ever need.

GREATER STABILITY

Even in receive mode, the IC-751A has a sophisticated thermal sensor to monitor the internal temperature. The sensor automatically activates the cooling fan which gives maximum stability...critical for optimum performance during contests.

NUMEROUS FUNCTIONS FOR DX'ING

The IC-751A boasts a number of features for better performance...passband tuning and notch filter that drastically reduce QRM, a AGC system, a speech compressor for better transmit audio clarity, and an AF gain control system that improves control of the CW sidetone volume.

OPTIONS AVAILABLE

The IC-4KL 1 kW HF LINEAR AMPLIFIER and IC-2KL 500 W HF LINEAR AMPLIFIER are suitable for DX'ing. The IC-AT500 and IC-AT100 AUTOMATIC ANTENNA TUNERS are designed to obtain maximum output power radiation. For improved frequency stability, the CR-64 HIGH-STABILITY CRYSTAL UNIT is available. The FL-52A, FL-53A and FL-63A CW AND RTTY NARROW FILTERS provide you with better CW and RTTY reception on crowded bands. Check out Icom's full line of convenient options in the options list on the reverse side.

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SPECIFICATIONS

GENERAL

- Frequency coverage : Ham Bands
 - 160-m band 1.8~2.0 MHz
 - 80-m band 3.5~4.0 MHz
 - 40-m band 7.0~7.3 MHz
 - 30-m band 10.1~10.15 MHz
 - 20-m band 14.0~14.35 MHz
 - 17-m band 18.068~18.168 MHz
 - 15-m band 21.0~21.45 MHz
 - 12-m band 24.89~24.99 MHz
 - 10-m band 28.0~29.7 MHz
- General Coverage (Receive Only)
0.1 MHz~30.0 MHz
- Usable temperature range : -10°C~+60°C (+14°F~+140°F)
- Frequency stability : Less than ±200 Hz from 1 to 60 minutes after power is ON
Less than ±30 Hz after 1 hour at 25°C
Less than ±350 Hz in the range of 0°C~+50°C
- Current drain (at 13.8V DC) : Transmitting
At 100 W output Approx. 20.0 A
Receiving
At maximum audio output Approx. 1.8 A
- Weight : 8.5 kg
- Dimensions : 322(W) × 120(H) × 385(D) mm

TRANSMITTER

- Output power : SSB Max. 100 W PEP
CW, RTTY, FM Max. 100 W
AM Max. 40 W
- Harmonic emissions : More than 40 dB below peak power output.
- Spurious emissions : More than 60 dB below peak power output
- Carrier suppression : More than 40 dB below peak power output

RECEIVER

- Sensitivity (PREAMP ON) : SSB, CW, RTTY
0.1~0.5 MHz Less than 0.5 μV for 10 dB S/N
0.5~1.6 MHz Less than 1 μV for 10 dB S/N
1.6~30.0 MHz Less than 0.15 μV for 10 dB S/N
AM (NARROW FILTER selected)
0.1~0.5 MHz Less than 3 μV for 10 dB S/N
0.5~1.6 MHz Less than 6 μV for 10 dB S/N
1.6~30.0 MHz Less than 1 μV for 10 dB S/N
FM
28~30 MHz Less than 0.3 μV for 12 dB SINAD
- Selectivity : SSB, CW, RTTY (WIDE FILTER selected), AM (NARROW)
2.3 kHz/-6 dB
3.8 kHz/-60 dB
CW, RTTY
500 Hz/-6 dB
1.3 kHz/-60 dB
FM
15 kHz/-6 dB
30 kHz/-50 dB
AM (WIDE FILTER selected)
8 kHz/-6 dB
18 kHz/-50 dB
- Intermediate frequencies : 1st: All modes 70.4515 MHz
2nd: SSB 9.0115 MHz
CW, RTTY 9.0106 MHz
FM, AM 9.0100 MHz
3rd: All modes 455 kHz
4th: SSB 9.0115 MHz
CW, RTTY 9.0106 MHz
AM 9.0100 MHz
- Spurious and image response rejection : More than 80 dB
- Audio output : More than 2.6 W at 10% distortion with an 8 Ω load.

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

OPTIONS

- **IC-2KL** 500 W HF LINEAR AMPLIFIER
- **IC-4KL** 1 kW HF LINEAR AMPLIFIER
- **IC-AT100** 100 W AUTOMATIC ANTENNA TUNER
- **IC-AT500** 500 W AUTOMATIC ANTENNA TUNER
- **AH-2a** HF AUTOMATIC ANTENNA TUNER (OPC-137 and UX-14 are necessary.)
- **AH-2b** ANTENNA ELEMENT
- **CT-16** SATELLITE INTERFACE UNIT (A UX-14 is necessary.)
- **CT-17** CI-V LEVEL CONVERTER (A UX-14 is necessary.)
- **CR-64** HIGH-STABILITY CRYSTAL UNIT (±0.5 ppm, -10°C~+60°C; +14°F~+140°F)
- **EX-310** VOICE SYNTHESIZER UNIT
- **EX-627** HF AUTOMATIC ANTENNA SELECTOR (An OPC-137 is necessary.)
- **FL-52A** CW AND RTTY NARROW FILTER (455 kHz, 500 Hz/-6 dB)
- **FL-53A** CW AND RTTY NARROW FILTER (455 kHz, 250 Hz/-6 dB)
- **FL-63A** CW AND RTTY NARROW FILTER (9.0106 MHz, 250 Hz/-6 dB)
- **MB-18** MOBILE MOUNTING BRACKET
- **IC-PS15** DC POWER SUPPLY (13.8 V DC, 20 A)
- **IC-PS30** DC POWER SUPPLY (13.8 V DC, 25 A)
- **IC-PS35** INTERNAL POWER SUPPLY UNIT (13.8 V DC, 20 A)
- **SM-6** DESKTOP MICROPHONE
- **SM-8** DESKTOP MICROPHONE
- **SM-20** DESKTOP MICROPHONE
- **IC-SP3** EXTERNAL SPEAKER (8 Ω, 4 W)
- **SP-7** EXTERNAL SPEAKER (8 Ω, 5 W)
- **SP-20** EXTERNAL SPEAKER WITH AUDIO FILTERS (8 Ω, 5 W)
- **UT-30** PROGRAMMABLE TONE ENCODER UNIT
- **UX-14** CI-V/CI-V CONVERTER

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Count on us!

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