



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for ICOM IC-R8500. You'll find the answers to all your questions on the ICOM IC-R8500 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual ICOM IC-R8500**  
**User guide ICOM IC-R8500**  
**Operating instructions ICOM IC-R8500**  
**Instructions for use ICOM IC-R8500**  
**Instruction manual ICOM IC-R8500**



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**Manual abstract:**

\*Some versions have restricted coverage. @@The APF is especially useful when receiving CW, but is also useful in other modes as a tone control. In addition, a noise blanker, RF attenuator and selectable AGC functions, clarify desired signals when experiencing various forms of interference. A digital AFC function tunes the receiver to the center of FM or WFM signals. ceived signal strength, as well as receive frequency, channel names and many others.

Versatile scanning functions For basic scanning, memory, priority and program scans are available. @@@@The IC-R8500's all mode capability allows you to receive signals in many different modes, from the world over. SSB (USB, LSB), CW, AM, FM and WFM are included, and, several 'specialty' modes, CW narrow, \*AM wide, AM narrow and FM narrow are available to receive a variety of signals that require a matched passband width. When the IC-R8500 connected to a PC equipped with a dedicated software, it allows you to watch amateur SSTV or receive RTTY on your screen. \*Optional filter FL-52A is required.

Ample memory channels The IC-R8500 has 1000 memory channels providing versatile operating possibilities. @@@@Use the method that best suits the situation. @@@@In addition, a programmable tuning step is available. @@@@selectable) · REC and REC remote terminals are provided for tape recorder control and for recording received signals (received frequencies can also be recorded when the optional UT-102 is installed) Sensitivity (µV) · Rear view 30 70 100 200 300 500 700 1000 2000 Frequency (MHz) SSB (for 10 dB SN) FM (for 12 dB SINAD) Convenient features for receive IF shift and APF (audio peak filter) functions are built-in--a first for a receiver in this class. IF shift is used to reduce interference from nearby signals.

It does so by adjusting the center frequency of the IF filter. APF is used to reduce interference from signals superim- COMMUNICATIONS RECEIVER iC-R8500 Unit: MHz Frequency coverage 0.10000 823.99999 849.00001 868.

99999 894.00001 1999.99999\* 0.100001999.99999\* 0.10000 87.50000 108.00000 1999.99999\* · Sensitivity Frequency band (MHz) SSB/CW 0.1 0.

49999 1.0µV 0.5 1.79999 2.0µV 1.8 1.99999 0.25µV 2.0 27.99999 0.

2µV 28.0 29.99999 0.2µV 30.0999.

99999 0.32µV 1240.01300.00000 0.32µV : AM 6.

3µV 13.0µV 3.2µV 2.5µV 2.5µV 2.5µV 2.5µV : SSB, CW, AM-N AM, AM-W FM FM, AM, AM-W WFM, SSB, CW, AM-N : WFM More than 150 kHz/6 dB FM, AM-W More than 12 kHz/6 dB FM-N, AM More than 5.5 kHz/6 dB AM-N, SSB, CW More than 2.2 kHz/6 dB : 1.829.

99999 MHz More than 60 dB 301000/ 50 dB (typical) 12401300 MHz : More than 2.0 W at 10% distortion (8 ) : More than ±1.2 kHz : 2-conductor 3.5 mm (1/8")/48 10 µV/320 mV 0.5 µV/320 mV 0.5 µV/320 mV 0.4 µV/320 mV 4.5 µV/320 mV Mode AM-N AM-W - - - - - 2.5µV -- 2.0µV -- 2.

0µV -- 2.0µV 3.2µV 2.0µV 3.2µV FM - - - - - 0.

5µV 0.5µV 0.5µV WFM - - - - - 1.4µV 2.0µV SPECIFICATIONS · Frequency coverage : U.

S.A. Europe France \*Specifications guaranteed: 0.11000 and 12401300 MHz. · Mode : SSB (USB, LSB), AM (wide, normal, narrow), CW (normal, narrow\*), FM (normal, narrow), WFM \*Optional filter required. Note: SSB, CW, and AM modes are measured at 10 dB S/N; FM and WFM modes at 12 dB SINAD. ·

Number of memory channels · Antenna connector · Usable temperature range · Frequency stability · Tuning steps · Power supply requirement · Current drain

(at 13.8 V DC) · Dimensions (projections not included) · Weight · Receive system · Intermediate frequencies : 1000 (plus 20 scan edges and 1 priority channel) SO-239 (50 )/Phono [RCA (500 )] : Below 30 MHz Above 30 MHz Type-N (50 ) : 10°C to + 50°C (+14°F to +122°F) : Below 30 MHz ± 100 Hz (optional ±20 Hz) Above 30 MHz ± 3 ppm (optional ±0.6 ppm) : 10, 50, 100 Hz; 1, 2.5, 5, 9, 10, 12.

5, 20, 25, 100 kHz; 1 MHz or programmable (0.5199.5 kHz/0.5 kHz steps) : 13.8 V DC ±15% (negative ground) or 117/220/240 VAC (with AD-55/A/V) :

Standby 1.8 A Max. @@@@input power: 5 W FL-52A CW NARROW FILTER Center freq.: 455 kHz Bandwidth: 500 Hz/6 dB AD-55/A/V AC

ADAPTER Allows you to power the receiver via domestic AC. 1-1-32, Kamiminami, Hirano-ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax:

+81 (06) 6793 0013 URL: <http://www.icom>.

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