

# IC-R9500

Professional Communications Receiver



## GENERAL

Frequency coverage (Unit: MHz)	0.005–3335.000000* * Cellular bands are blocked in the U.S.A. version.
France version	0.005 – 29.999999 50.200 – 51.200000 87.500 – 108.000000 144.000 – 146.000000 430.000 – 440.000000 1240.000 – 1300.000000
Mode	USB, LSB, CW, FSK, AM, FM, WFM, P25* * Optional UT-122 required.
Number of memory channels	1220 (1000 regular, 100 auto memory write channels, 100 memory scan skip and 20 scan edges)
Antenna connectors	SO-239 (50 Ω for HF), Phono [RCA] (500 Ω for HF), Type-N x 2 (50Ω, one each for 30–1149.99999MHz, 1150–3335MHz)
Temperature range	0°C to +50°C; +32°F to +122°F
Frequency stability	Less than ±0.05ppm (at 25°C) after warm up (5 minutes)
Temperature fluctuation	Less than ±0.05ppm (0°C to +50°C)
Frequency resolution	1Hz
Power supply requirement	100V/120V/230V/240V AC
Power consumption (Representative value)	Stand-by Less than 100VA Max. audio Less than 100VA
Dimensions (WxHxD) (projections not included)	424 x 149 x 340 mm; 16 <sup>11</sup> / <sub>16</sub> x 5 <sup>7</sup> / <sub>16</sub> x 13 <sup>3</sup> / <sub>16</sub> in
Weight	20kg; 44.1lb (approx.)

### Supplied accessories

- AC power cable
- Carrying handles
- Spare fuses
- ACC plugs
- RCA plugs
- DC power plug
- Speaker plugs

## RECEIVER

Intermediate frequencies	HF 58.7MHz (1st)/10.7MHz (2nd)/48kHz (3rd) VHF/UHF 278.7MHz or 778.7MHz (1st)/ 58.7MHz (2nd)/10.7MHz (3rd)/48kHz (4th)																																								
Sensitivity	<table border="1"> <thead> <tr> <th></th> <th>SSB, CW, FSK</th> <th>AM</th> <th>FM</th> <th>FM50k</th> <th>WFM</th> </tr> </thead> <tbody> <tr> <td>0.100–1.799MHz*<sup>1</sup></td> <td>0.5μV</td> <td>6.3μV</td> <td>–</td> <td>–</td> <td>–</td> </tr> <tr> <td>1.800–29.999MHz*<sup>1</sup></td> <td>0.2μV</td> <td>2.5μV</td> <td>0.5μV*<sup>3</sup></td> <td>0.71μV*<sup>3</sup></td> <td>–</td> </tr> <tr> <td>30.0–249.999MHz*<sup>2</sup></td> <td>0.32μV</td> <td>3.5μV</td> <td>0.5μV</td> <td>0.71μV</td> <td>1.4μV</td> </tr> <tr> <td>2500–2999.999MHz*<sup>2</sup></td> <td>0.32μV</td> <td>3.5μV</td> <td>0.5μV</td> <td>0.71μV</td> <td>1.4μV</td> </tr> <tr> <td>3000–3335.000MHz*<sup>2</sup></td> <td>1.0μV</td> <td>11μV</td> <td>1.6μV</td> <td>2.2μV</td> <td>4.5μV</td> </tr> </tbody> </table>						SSB, CW, FSK	AM	FM	FM50k	WFM	0.100–1.799MHz* <sup>1</sup>	0.5μV	6.3μV	–	–	–	1.800–29.999MHz* <sup>1</sup>	0.2μV	2.5μV	0.5μV* <sup>3</sup>	0.71μV* <sup>3</sup>	–	30.0–249.999MHz* <sup>2</sup>	0.32μV	3.5μV	0.5μV	0.71μV	1.4μV	2500–2999.999MHz* <sup>2</sup>	0.32μV	3.5μV	0.5μV	0.71μV	1.4μV	3000–3335.000MHz* <sup>2</sup>	1.0μV	11μV	1.6μV	2.2μV	4.5μV
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3rd order IMD dynamic range	109dB (typ.) at 14.1MHz, 100kHz separation, preamp OFF																																								
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AF output power	More than 2.6W with an 8 Ω load																																								

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

## OPTIONS

### CT-17

#### CI-V LEVEL CONVERTER

For remote receiver control using a PC with an RS-232C.



### UT-122

#### P25 DIGITAL UNIT

Provides APCO P25 digital mode reception.



### SP-20

#### EXTERNAL SPEAKER

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



\* All screen images are simulated.

\* The LCD display may have cosmetic imperfections that appear as small or dark spots. This is not a malfunction or defect, but a normal characteristic of LCD displays.

\* If re-exporting this product, it is your responsibility to check you are in compliance with the export regulations of your country or the country you are exporting to. Export regulations can be highly restrictive in relation to some of the technology implemented in this product. Your failure to comply with export regulations may subject you to fines or penalties. Please consult with the relevant Government Department in your country.

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