**Dualwatch capability**

The IC-R2500 has dualwatch receive capability**, allowing you to receive two bands simultaneously. It covers 0.01–3299.999 MHz in AM, FM, WFM, SSB, CW, DV** and P25** modes on the main receiver, while the sub-receiver covers 50–1300MHz in AM, FM and WFM modes**.

** Two antennas are required for dualwatch receive. ** Optional UT-118 required. ** Optional UT-122 required. Already installed with some versions. ** Frequency range differs depending on version.

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**Diversity receive capability**

The diversity receive** mode is useful for mobile operation where the received signal changes continuously. It compares the signal strength and chooses the antenna with the better signal to maintain good sound and receive quality.

* Two antennas are required. Available in FM/DV/P25 mode between 50–1300MHz only. Diversity reception is not available while using dualwatch.

**Wide LCD display for independent band control**

The wide LCD display shows both main/sub receiver settings in an easy-to-read symmetric side-by-side layout. The controller provides separate tuning, volume, squelch knobs and function buttons for the left (Main) and right (Sub) receivers. The LCD backlit color is selectable between amber and green for your preference.

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**Digital mode reception**

The optional UT-118 D-STAR digital unit and UT-122** P25 digital unit provide the latest digital mode reception. Catch the action in digital communications!

* Already installed with some versions.

** 1000 alphanumeric memory channels**

With Icom's Dynamic Memory Scan, DMS, you have a versatile memory channel management system at your command. The 1000 memory channels can be arranged by service or personal preference in the 21 memory banks. Selectively link the channels together to scan depending on your needs. Programming the memory channels and 6 character memory names is simple with your PC.

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**Other features**

- Weather alert function (U.S.A. and Canada versions only)
- Optional DSP capability with UT-106
- VSC (Voice Squelch Control) ignores unmodulated signals or heterodynes
- IF filter selection for changing IF filter width
- Noise blanker eliminates pulse type noise (SSB, CW, AM mode only)
- AFC function automatically follows an FM signal when the signal's frequency drifts (BW: 6kHz or 15kHz)
- IF shift function (SSB, CW mode only)
• 30 min – 2 hour auto power off timer • Fast/slow AGC setting • Short/long squelch delay • RF attenuator attenuates 20dB (approx.) (below 1300MHz) • CTcss/DTcs tones and duplex mode operation for monitoring a repeater • All IC-PCR2500 functions are available when connected to a PC • Cloning function allows you to read/write memory contents from your PC. Sharing data with IC-PCR2500 is also possible.

• U.S.A. Customers check out [www.icomreceivers.com](http://www.icomreceivers.com) for frequency lists in your neighborhood and region. (Based on FCC licenseee database.)

Turn off the Main unit power switch when not using the IC-R2500 while installed in a vehicle. The IC-R2500 has standby power consumption that will drain the vehicle battery over a period of time.

**SPECIFICATIONS**

### GENERAL

**Frequency coverage and mode:**

<table>
<thead>
<tr>
<th>Mode</th>
<th>Frequency coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main receiver</td>
<td>0.010–3299.999MHz*</td>
</tr>
<tr>
<td>Subreceiver</td>
<td>60–1300MHz</td>
</tr>
<tr>
<td>AM, FM, WFM</td>
<td></td>
</tr>
<tr>
<td>Dual converted</td>
<td>2600–2999.999MHz*</td>
</tr>
<tr>
<td>OPC-1156</td>
<td></td>
</tr>
<tr>
<td>External SP connector</td>
<td>0.5V, 0.63V</td>
</tr>
<tr>
<td>AM, WFM</td>
<td></td>
</tr>
</tbody>
</table>

**Dimensions:**

- **Width:** 50 (1.97")
- **Height:** 140 (5.51")
- **Depth:** 500.2 (19.7")

**Weight:**

- Approx. 1350g (3lb)

**Supplied accessories:**

- USB cable and antenna

**Software CD:**

- 768 pixel resolution, high color

**Memory:**

- At least 128 MB of memory (256MB or more recommended)

**Hardware:**

- USB 1.1 or 2.0

**Oscillator Control:**

- Depends on version

**USB Audio:**

- USB audio dropouts or gaps may occur because of a lack of PC power

**Non-dedicated Memory:**

- CPU 450MHz or faster (Pentium® 4 recommended)

**Rear view:**

- Antenna connector
- Data
- USB (for PC connection)
- Antenna connector
- Controller

**PC requirements:**

- For use with PC control software:
  - Microsoft® Windows Vista™, Windows® XP/2000/ME/98SE
  - USB 1.1 or 2.0
  - Intel® Pentium® III 450MHz or faster (Pentium® 4 recommended)
  - Hard disk with at least 50 MB of free disk space
  - At least 128 MB of memory (256MB or more recommended)
  - Display with 1024 x 768 pixel resolution, high color

**CD ROM or DVD drive is required for software installation**

- USB audio dropouts or gaps may occur because of a lack of PC power
- Additional hard disk space is required for recording sound or storing scope data

**Options:**

- **UT-106 DSP UNIT**
  - Provides noise reduction and auto notch functions.

- **UT-108 DTMF DECODER UNIT**
  - DTMF decode function for Sub-receiver. Either UT-108 or UT-116 can be installed in the receiver.

- **UT-118 D-STAR DIGITAL UNIT**
  - Provides D-STAR DV mode reception. Either UT-108 or UT-118 can be installed in the receiver.

- **UT-122 P25 DIGITAL UNIT**
  - Provides P25 digital mode reception.

- **OPC-1156 CONTROLLER EXTENSION CABLE**
  - Extends the supplied separation cable by 3.5 m (11.5 ft).
  - A modular connector is supplied with the cable.

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