Expanded frequency coverage
The IC-R75 covers a frequency range that’s wider than other HF receivers: 0.03–60.000000 MHz*. This wide frequency coverage allows you to listen to a variety of communications including marine communications, amateur radio, short wave radio broadcasts and more.
*Guaranteed 0.1–29.99 MHz and 50–54 MHz only

High stability receiver circuit
Icom’s latest wide band technology provides highly stable receive sensitivity over the entire receive frequency range. The IC-R75 makes it easy to catch communications worldwide.

Superior dynamic range
A wide dynamic range of more than 100 dB**, 104.5 dB** for 14 MHz band, 102.5 dB** for 50 MHz band, and a well-designed triple conversion system help minimize image and spurious responses for better signal fidelity.
*Not guaranteed.
**Not guaranteed: When PREAMP OFF: CW narrow 500 Hz bandwidth; 100 kHz channel spacing

Synchronous AM detection
Synchronous AM detection (or S-AM) prevents audio distortion while receiving AM broadcasts, etc. This provides high quality AM receive as an additional mode.

Twin PBT capability
The PBT (passband tuning) function narrows and moves the IF passband at two stages to efficiently eliminate interfering signals.

DSP capabilities
DSP (Digital Signal Processor) filtering in the AF stage is available with the optional UT-106 DSP UNIT. The DSP provides the following functions:

Noise reduction:
Pulls desired AF signals from noise. Outstanding S/N ratio is achieved, providing clean audio in SSB, AM and FM. Pull weak signals right out of the noise.

Comparison of receive signal speaker output
Noise reduction Off
Noise reduction On
The IC-R75 covers a wide frequency range from 0.03 to 60 MHz allowing you to listen in to a world of information. With innovative features such as twin passband tuning, synchronous AM detection, DSP capabilities, remote PC control and more—shortwave listening is easier than ever. All this comes in a compact, lightweight package that can be conveniently used in your ham shack, den or vehicle.

HF+50 MHz ALL MODE COMMUNICATIONS RECEIVER

IC-R75

INNOVATIVE FEATURES...

Automatic Notch filter:
This automatically minimizes beat signals and protects the receive signal. Also, the notch frequency is automatically adjusted to follow interfering beat signals—reducing interference from RTTY signals during SSB operation for example.

Flexible filter selection
To two optional filters can be installed, providing flexible band width selection and filter combinations.
*One each for 9 MHz and 455 kHz IF stage.

<table>
<thead>
<tr>
<th>1st IF 9 MHz stage</th>
<th>2nd IF 455 kHz stage</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSB</td>
<td>FL-103 (2.8 kHz)</td>
</tr>
<tr>
<td></td>
<td>FL-235 (1.9 kHz)</td>
</tr>
<tr>
<td></td>
<td>FL-100 (2.8 kHz)</td>
</tr>
<tr>
<td></td>
<td>FL-101 (2.8 kHz)</td>
</tr>
<tr>
<td></td>
<td>FL-231 (250 Hz)</td>
</tr>
<tr>
<td>CW/RTTY</td>
<td>FL-232 (250 Hz)</td>
</tr>
<tr>
<td></td>
<td>FL-52A (500 Hz)</td>
</tr>
<tr>
<td></td>
<td>FL-53A (250 Hz)</td>
</tr>
</tbody>
</table>

FM mode standard
Unlike many other HF/50 MHz receivers there is no need to install an additional unit for FM mode reception on the 29 and 50 MHz bands.

Optional PC remote control—RS-R75

FRONT PANEL—gives you access to all switches and controls on the front panel of the IC-R75.

SCAN MANAGER—used to graphically display scans in progress and to control scan functions.

BAND SCOPE—shows signal conditions around a specified frequency.

SETTINGS—allows you to adjust settings in 3 categories: General, Sound and Display, to suit your operating preferences.

All available functions can be controlled and simple memory editing from a PC running the optional RS-R75 REMOTE CONTROL SOFTWARE. In addition, this software provides a simple handsfree function, IC-7707's current Cl-V capability will allow you to control the IC-R75 with other programs.
HF+50 MHz ALL MODE COMMUNICATIONS RECEIVER

IC-R75

SPECIFICATIONS

GENERAL
- Frequency coverage: 0.03–60.000000 MHz
- Sensitivity: Less than 7 pV from 1 min. to 60 min. after power on. After that rate of stability less than ±1 pV/hr at +25°C (+77°F). Temperature fluctuations 0°C to +50°C (+32°F to +122°F) less than ±5 pV.
- Power supply requirement: 13.8 V DC ±5% (negative ground)
- Weight (approx.): 3.5 kg, 6 lb 10 oz
- Dimensions: 241 (W) × 94 (H) × 229 (D) mm (projections not included)
- Antenna connector: SO-239 (50 Ω), push connection terminal (50 Ω)
- Remote connector: RS-232C D-sub 9-pin
- Ci-V connector: 2-conductor 3.5 (mm) (1/8")
- Receive system: Triple-conversion superheterodyne system
- Intermediate frequencies:

<table>
<thead>
<tr>
<th>Mode</th>
<th>1st (kHz)</th>
<th>2nd (kHz)</th>
<th>3rd (kHz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB/LSB</td>
<td>69.0115</td>
<td>9.0115</td>
<td>455</td>
</tr>
<tr>
<td>CV</td>
<td>69.0105</td>
<td>9.0105</td>
<td>455.8</td>
</tr>
<tr>
<td>RTTY*</td>
<td>69.0105</td>
<td>9.0105</td>
<td>456</td>
</tr>
<tr>
<td>AM/PM/AM</td>
<td>69.0105</td>
<td>9.0105</td>
<td>456</td>
</tr>
<tr>
<td>FM</td>
<td>69.0115</td>
<td>9.0115</td>
<td>456.8</td>
</tr>
</tbody>
</table>

* May differ according to selected IF filter.

- Frequency range: 0.1–1.8 MHz
- SSB/CW/RTTY: 10–30 dB SINAD
- AM/FSK: 12–30 dB SINAD
- FM: 12–30 dB SINAD

- SQL sensitivity (threshold): SSB, CW, RTTY: Less than 5.6 µV
- FM: Less than 0.32 µV

- Selectivity: More than 2.1 kHz–6 dB
- More than 4.0 kHz–60 dB
- More than 6 kHz–60 dB
- More than 12 kHz–60 dB
- More than 30 kHz–40 dB

- Spurious and image rejection ratio: More than 70 dB (except IF through 50 MHz band)
- More than 2.0 W at 10% distortion with a 6.0 load

- Audio output power: More than 10 W at 3.15 kHz
- 10 W at 315 kHz

- Supply accessories:
  - AC adapter or DC power cable (depending on version)
  - Spare fuse

All stated specifications are typical and subject to change without notice or obligations.

OPTIONS

CR-282 HIGH STABILITY CRYSTAL UNIT
- Contains a temperature-compensating oven heater and crystal unit for improved frequency stability.
- Frequency stability: ±0.5 ppm

UT-102 VOICE SYNTHESIZER
- Anounces the operating mode, frequency, signal strength level and the time.

UT-106 DSP UNIT
- Provides AF DSP functions such as noise reduction and auto notch.

CT-17 CI-V LEVEL CONVERTER
- For remote receiver control using a PC equipped with an RS-232C port.

FL-532 CRT/RTTY Narrow: 500 Hz–6 dB
FL-533 CRT/RTTY Narrow: 250 Hz–6 dB
FL-534 CRT/RTTY Wide: 2.8 kHz–6 dB
FL-535 CRT/RTTY Narrow: 1.9 kHz–6 dB
FL-536 CRT/RTTY Narrow: 3.5 kHz–6 dB

9 MHz filters
455 kHz filters

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Count on us!

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URL: http://www.icomuk.co.uk

IC-M95 MOBILE BRACKET
- Communications receiver bracket for mobile operation.

MB-23 CARRYING HANDLE
- For easy portable operation.

AD-55/AV AC DAPTER
- Allows you to power the receiver via domestic AC.

Supplied items:
- Application CD-ROM
- RS-232C serial interface cable

RS-755 REMOTE CONTROL SOFTWARE
- Allows you to control the receiver from your PC (for Microsoft® Windows® 95 or Windows® 98).
- Microsoft and Windows are registered trademarks of Microsoft Corporation.

Your local distributor/dealer:

Icom Inc. (Japan), is an ISO9001 certification acquired company.