



COMMUNICATIONS RECEIVER

IC-R1500

*Wideband mobile receiver
with remote control head*



Ultra wideband coverage

Explore radio signals from all over the world! The IC-R1500 covers 0.01–3299.999MHz* in AM, FM, SSB and CW mode.

* See the specifications for details.

Remote control head

While similar to the PCR1500, the IC-R1500 is supplied with a remote control head for mobile and/or base station operation. It provides a variety of mounting possibilities in various place.



Green, amber and yellow display backlight colors are selectable.

60 channels per second scan

Quickly scan through a band with the IC-R1500's 60 Ch/second scan rate*. Program, priority scan and various scanning modes are available. * When tuning step is less than 100kHz in program scan mode.

Optional DSP capability

Whether you are into weak signal work or you have noise from your vehicles ignition, the optional DSP, UT-106, will help. The noise reduction and auto notch filter functions are the key to pulling a radio signal out of the noise.

1000 alphanumeric memory channels

1000 on-board memory channels at the touch of a button! 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.

CTCSS, DTCS tone and pocket beep

The CTCSS and DTCS tones provide quiet stand-by while waiting for a matched tone signal. And the pocket beep function alerts you with a beep sound when a matched tone signal is received.

Other features

- VSC (Voice squelch control) opens the squelch only when a modulated signal is detected and ignores unmodulated, beat noise
- IF filter selection for changing IF filter width
- IF shift function (SSB, CW mode only)
- Noise blanker eliminates pulse type noise such as engine ignition noise (SSB, CW, AM mode only)
- RF attenuator attenuates 20dB (approx.) (below 1300MHz)
- Weather alert function (U.S.A. version only)

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OTHER FEATURES

- AFC function automatically follows the receiving frequency when the receiving frequency drifts in FM mode (BW: 6kHz or 15kHz)
- 30 min – 2 hour auto power off timer
- Fast/slow AGC setting
- Short/long squelch delay
- All IC-PCR1500 functions are available when connected to a PC
- Cloning function allows you to read/write memory contents from your PC. Sharing the data with IC-PCR1500 is also possible.
- U.S.A. Customers check out www.icomreceivers.com for frequency lists in your neighborhood. (Based on FCC license.)

SPECIFICATIONS

GENERAL

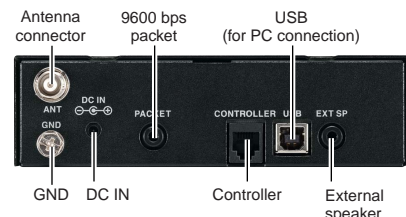
- Frequency coverage : 0.010–3299.999MHz*
 Guaranteed range 0.495–3000.000MHz
 * Cellular bands are blocked in the U.S.A. version.
 France 0.010–29.999*, 50.200–51.200, 87.500–108.000, 144.000–146.000, 430.000–440.000, 1240.000–1300.000MHz
 * Guaranteed range 0.495–29.999MHz
- Mode : AM, FM, WFM, USB*, LSB*, CW*
 * 0.01–1300MHz only.
- Usable temperature range : –10°C to +60°C; +14°F to +140°F
 When using with a PC 0°C to +60°C; +32°F to +140°F
- Frequency stability : Less than ±3ppm on the basis of 25°C (–10°C to +60°C)
- Tuning steps : 10Hz (minimum)
- Power supply : 12.0V DC ±15%
- Current drain (at 12.0V DC) :
 Max. audio 0.85A typ.
 Stand-by 0.7A typ.
- Antenna Impedance : 50Ω (BNC)
- Dimensions (W×H×D; projections are not included) :
 Main unit 146×41×206 mm; 5¾×1½×8¼ in
 Controller 111×40×26.5 mm; 4¾×1½×1½ in
- Weight (approx.) :
 Main unit 1200g; 2.6lb
 Controller 200g; 7oz (including cable)

RECEIVER

- Receiver system : Triple-conversion super-heterodyne + Down converter
 - Intermediate frequencies : 1st 266.70MHz
 2nd 10.70MHz
 3rd 450kHz (Except WFM)
 - Sensitivity (Less than) :
- | | SSB, CW | AM | FM | WFM |
|---------------------------------|---------|-------|----------------------|-------|
| 0.495–1.799MHz | 5.0μV | 25μV | – | – |
| 1.8–49.999MHz | 0.5μV | 2.5μV | 0.63μV ^{*2} | – |
| 50–699.999MHz | 0.4μV | 2μV | 0.5μV | 1.4μV |
| 700–1300.000MHz | 0.5μV | 2.5μV | 0.63μV | 1.8μV |
| 1300 ^{*1} –2299.999MHz | – | – | 5.6μV | 18μV |
| 2300–3000.000MHz | – | – | 18μV | 56μV |
- *1 1300.00001MHz *2 28–49.999MHz
 SSB, CW BW=2.8kHz, AM BW=6.0kHz at 10dB S/N
 FM BW=15kHz, WFM BW=230kHz at 12dB SINAD
- Selectivity (typical) :
 SSB, CW, AM More than 2.8kHz/–6dB
 SSB, CW, AM, FM More than 6.0kHz/–6dB
 FM, AM More than 15kHz/–6dB
 FM, AM, WFM More than 50kHz/–6dB
 WFM More than 230kHz/–6dB
 - Audio output power : More than 500mW at 10% distortion with an 8Ω load
 - External SP connector : 2-conductor 3.5 (d) mm (1/8")/8Ω

Please turn off the Main unit power switch when not using the IC-R1500, while installed in a vehicle. The IC-R1500 has standby power consumption that will drain the vehicle battery over a period of time.

Rear view



PC requirements (For use with PC control software)

- Microsoft® Windows® XP/2000/ME/98SE
- Intel® Pentium® III 450MHz or faster
- Hard disk with at least 50 MB of free disk space
- At least 128 MB of memory (256MB or more recommended)
- Display with 1024 × 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

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

OPTIONS

Some options may not be available in some countries. Please ask your dealer for details.

- **AD-113A/E AC ADAPTOR**
 10.5V DC, 1.8A/1.5A (A/E) output. Same as supplied.
- **CP-12L CIGARETTE LIGHTER CABLE**
 12V DC, 2A output from 12V cigarette lighter socket.
- **OPC-254L DC POWER CABLE**
 For use with an external power supply. (12V DC required)
- **OPC-441 SPEAKER EXTENSION CABLE**
 5.0m (16.4ft) speaker extension cable.
- **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.
- **SP-10 EXTERNAL SPEAKER**
 To better direct the audio where you want it.
- **UT-106 DSP UNIT**
 Provides noise reduction and auto notch functions.



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Supplied accessories

- AD-113A/E* • Controller cable, 3.4m; 11.2ft • Antenna
- USB cable • Software CD
- * Depending on version

Icom Inc.

1-1-32, Kamiminami, Hirano-ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (06) 6793 0013 URL: <http://www.icom.co.jp/world/index.html>

Count on us!

Icom America Inc.

2380 116th Avenue NE,
 Bellevue, WA 98004, U.S.A.
 Phone : +1 (425) 454-8155
 Fax : +1 (425) 454-1509
 E-mail : sales@icomamerica.com
 URL : <http://www.icomamerica.com>

Icom Canada

Glenwood Centre #150-6165 Highway 17,
 Delta, B.C., V4K 5B8, Canada
 Phone : +1 (604) 952-4266
 Fax : +1 (604) 952-0090
 E-mail : info@icomcanada.com
 URL : <http://www.icomcanada.com>

Icom (Australia) Pty. Ltd.

A.B.N. 88 006 092 575
 Unit 1 / 103 Garden Road,
 Clayton VIC 3168 Australia
 Phone : +61 (03) 9549 7500
 Fax : +61 (03) 9549 7505
 E-mail : sales@icom.net.au
 URL : <http://www.icom.net.au>

Icom New Zealand

146A Harris Road, East Tamaki,
 Auckland, New Zealand
 Phone : +64 (09) 274 4062
 Fax : +64 (09) 274 4708
 E-mail : inquiries@icom.co.nz
 URL : <http://www.icom.co.nz>

Icom (Europe) GmbH

Communication Equipment
 Himmelgeister Str. 100,
 D-40225 Düsseldorf, Germany
 Phone : +49 (0211) 346047
 Fax : +49 (0211) 333639
 E-mail : info@icomeurope.com
 URL : <http://www.icomeurope.com>

Icom Spain S.L.

Ctra. Rubi, No. 88 "Edificio Can Castanyer"
 08190, Sant Cugat del Valles, Barcelona, Spain
 Phone : +34 (93) 590 26 70
 Fax : +34 (93) 589 04 46
 E-mail : icom@icomspain.com
 URL : <http://www.icomspain.com>

Icom (UK) Ltd.

Unit 9, Sea St., Herne Bay,
 Kent, CT6 8LD, U.K.
 Phone : +44 (01227) 741741
 Fax : +44 (01227) 741742
 E-mail : info@icomuk.co.uk
 URL : <http://www.icomuk.co.uk>

Icom France S.a

Zac de la Plaine, 1,
 Rue Brindejonc des Moulinais BP 5804,
 31505 Toulouse Cedex, France
 Phone : +33 (5) 61 36 03 03
 Fax : +33 (5) 61 36 03 00
 E-mail : icom@icom-france.com
 URL : <http://www.icom-france.com>

Icom Polska

Sopot, 3 maja 54, Poland
 Phone : +48 (58) 550 7135
 Fax : +48 (58) 551 0484
 E-mail : icompolksa@icompolksa.com.pl
 URL : <http://www.icompolksa.com.pl>

Asia Icom Inc.

6F No. 68, Sec. 1 Cheng-Teh Road,
 Taipei, Taiwan, R.O.C.
 Phone : +886 (02) 2559 1899
 Fax : +886 (02) 2559 1874
 E-mail : sales@asia-icom.com
 URL : <http://www.asia-icom.com>

Your local distributor/dealer: