

ICOM

COMMUNICATIONS RECEIVER

# IC-R5

Rugged  
MIL-STD 810

WIDEBAND



## Hear Them All with Icom's Winning Performance!

### Listen Almost Anywhere to Almost Anything

The IC-R5's combination of small size, powerful specifications and outstanding features puts you in the action, whether listening in on your favorite driver's car-to-pit radio calls while at the race track, looking for something new while traveling, or catching your favorite radio programs at home.

### Wideband Receive 0.150-1309.995 MHz\*

The IC-R5's wideband reception means virtually anything from AM broadcast to UHF TV audio is fair listening game. Every TV broadcast channel is preprogrammed into this radio.\* Listen to AM & FM radio stations, utility communications, and more. For the race fan, the IC-R5 puts you so close to the asphalt, only the man behind the wheel is experiencing more action.

\*Depending on version.

### 1250 Alphanumeric Memory Channels

Make up your own channel names for each of up to 1250 memory channels, and channel recognition is easy! The IC-R5's LCD display lets you use numbers, letters or a combination of both when naming channels and banks. Icom's exclusive Dynamic Memory Scan (DMS) gives you the flexibility to customize and manage the IC-R5's memory banks the way you want or need.

### Convenient Power and Charging

Power on the go is easy, thanks to the IC-R5's ability to operate from a variety of power sources. You may: power the radio via the DC port; or use the included 2 "AA" size rechargeable Ni-Cd batteries\*: or use long storage life "AA" alkalines. A DC jack allows for simultaneous battery charging while operating the radio.

\*Depending on version.

### Computer Programmable

With the optional software and cable, IC-R5 programming and cloning are a breeze. Hook your IC-R5 up to a PC and you're ready to customize channel names, scan lists, and more.



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**OTHER FEATURES**

- Built-in ferrite bar antenna for AM broadcast
- FM earphone cord antenna capability
- DTCS and CTCSS tone squelch function
- Offset monitor capability for semi-duplex operation monitoring
- Auto squelch and squelch monitor capability
- Built-in attenuator
- Low-battery indicator and beep
- Power save function
- 30–120 minutes auto power off timer

- LCD backlight with timer
- Auto memory write scan stores the detected frequency, mode and tone into a specified memory
- Priority watch function with beep alert
- Reversible up/down buttons and dial knob for volume, frequency, memory channel, scan direction and set mode settings
- 100 preprogrammed worldwide shortwave channels\*
- Weather channels with weather alert function\* (\* U.S.A. version only)

**SPECIFICATIONS**

GENERAL	
• Frequency coverage	: 0.150–1309.995MHz* (* Cellular blocked in the U.S.A. version.)
France	0.150–29.995, 50.2–51.2, 87.5–108, 144–146, 430–440, 1240–1300MHz
• Mode	: AM, FM, WFM
• No. of memory channels	: 1250 (1000 regular, 50 scan edges and 200 auto memory write)
• Usable temperature range	: -10°C to +60°C ; +14°F to +140°F
• Frequency stability	: ±6ppm (-10°C to +60°C)
• Tuning steps	: 5, 6.25, 8.33*, 9*, 10, 12.5, 15, 20, 25, 30, 50, 100kHz (* Selectable depending on operating bands.)
• Battery requirement	: 2 × AA (LR6) Ni-Cd or alkaline cells
• External power supply	: 6.0V DC ±5% (with BC-149A/D, CP-18A/E)
• Current drain (at 3.0V DC; typical)	: Rated audio 170mA Standby 100mA Power save 41mA
• Antenna impedance	: 50Ω (SMA)
• Dimensions (projections not included)	: 58(W) × 86(H) × 27(D) mm; 2 <sup>3</sup> / <sub>2</sub> (W) × 3 <sup>3</sup> / <sub>8</sub> (H) × 1 <sup>1</sup> / <sub>2</sub> (D) in
• Weight (approx.)	: 185g; 6.5oz

RECEIVER	
• Intermediate frequencies	: 266.7MHz, 19.65MHz 450kHz
• Sensitivity (typical; except spurious points):	
FM (12dB SINAD)	1.625– 4.995MHz 0.32μV 5.000– 117.995MHz 0.2μV 118.000– 246.995MHz 0.18μV 247.000– 329.995MHz 0.2μV 330.000– 469.995MHz 0.18μV 470.000– 999.995MHz* 0.28μV 1000.000– 1309.995MHz 0.35μV
(* USA version)	470.000– 821.995MHz 0.28μV 851.000– 866.995MHz 0.71μV 896.000– 999.995MHz 0.28μV
WFM (12dB SINAD)	76.000– 108.000MHz 0.89μV 175.000– 221.995MHz 0.71μV 470.000– 770.000MHz 1.0μV
AM (10dB S/N)	0.495– 4.995MHz 1.3μV 5.000– 29.995MHz 0.71μV 118.000– 136.000MHz 0.56μV 222.000– 246.995MHz 0.56μV 247.000– 329.995MHz 0.71μV
• Selectivity	AM, FM : More than 15kHz/–9dB, Less than 30kHz/–60dB WFM : More than 150kHz/–6dB

- AF output power : 100mW typ. at 10% distortion (at 3.0V DC) with an 8Ω load
- External SP connector : 3-conductor 3.5 (d) mm (1/8") / 8Ω

**Applicable U.S. Military Specifications**

Icom makes rugged products that have been tested to and passed the following MIL-STD requirements and strict environmental standards.

Standard	MIL 810 C		MIL 810 D		MIL 810 E		MIL 810 F	
	Method	Proc.	Method	Proc.	Method	Proc.	Method	Proc.
Low Pressure	500.1	I	500.2	I, II	500.3	I, II	500.4	I, II
High Temp.	501.1	I	501.2	I, II	501.3	I, II	501.4	I, II
Low Temp.	502.1	I	502.2	I, II	502.3	I, II	502.4	I, II
Temp. Shock	503.1	I	503.2	I	503.3	I	503.4	I
Solar Radiation	505.1	I	505.2	I	505.3	I	505.4	I
Rain	506.1	I, II	506.2	I, II	506.3	I, II	506.4	I, II
Humidity	507.1	I, II	507.2	II, III	507.3	II, III	507.4	–
Salt Fog	509.1	I	509.2	I	509.3	I	509.4	–
Dust	510.1	I	510.2	I	510.3	I	510.4	I
Vibration	514.2	VIII, X	514.3	I	514.4	I	514.5	I
Shock	516.2	I, II, V	516.3	I, IV	516.4	I, IV	516.5	I, IV

- Supplied accessories** \*depending on version
- Ni-Cd cells\* ● AC adapter\* ● Handstrap
  - Antenna ● Belt clip

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

**OPTIONS**

- **BC-149A/D WALL CHARGER**  
6V DC, 1A output AC adapter.
- **CP-18A/E CIGARETTE LIGHTER CABLE**  
6V DC, 2A output from 12V cigarette lighter socket.
- **AD-92SMA ANTENNA CONNECTOR ADAPTER**  
Allows you to connect a BNC-type antenna.
- **HP-4 HEADPHONE**  
Light weight monaural headphone.
- **LC-146A CARRYING CASE**  
Helps protect the receiver from scratches, etc.
- **SP-13 EARPHONE**  
Provides clear audio even in noisy environments.

- **CS-R5 CLONING SOFTWARE**  
+ **OPC-478 CLONING CABLE (RS-232C cable)** / **OPC-478U CLONING CABLE (USB cable)**  
Use a PC to easily edit stored memory channel data.
- **OPC-474 CLONING CABLE**  
Used for receiver-to-receiver data cloning.



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