

ICOM

COMMUNICATIONS RECEIVER

IC-R10



Tune in to the world where ever you go...

Wide-band, all mode receive capability

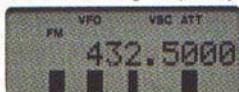
The IC-R10 has wide frequency coverage from 0.5 MHz to 1300 MHz* with all mode (incl. CW) receive capability.

*Some frequency ranges may be restricted depending on country.

Real-time bandscope

The IC-R10 has a real-time bandscope function* making it easy to find busy frequencies and also easy to observe the receiving frequency band conditions. The passband width of the bandscope is selectable from the range of ± 100 kHz (20 kHz channel spacing) and ± 25 kHz (5 kHz channel spacing).

*First for a handheld receiver.



Bandscope example

VSC function

Icom's original VSC (Voice Scan Control)* function pauses scan only when modulated signals are received. And, the VSC function activates an AF mute switch when unmodulated or beat signals are received.

*Another first for a handheld receiver.

Bank and memory name functions

The IC-R10 has an ample 1000 memory channels with 8-character alphanumeric names for convenience. And, channels can be

grouped into banks, with each bank capable of holding a 10-character name. For protection from data loss, EEPROM's are used for memory backup.



Memory name example

New SIGNAVI function

Scan types include programmed, memory, bank, mode and more. And, introducing the new SIGNAVI scan. The SIGNAVI scan activates with programmed, auto memory write and full scans in FM mode. This scan bypasses or skips clear frequencies, within ± 100 kHz* from a paused frequency, to the next busy frequency. This helps speed up scanning.

*According to the tuning step setting: max. acceptable tuning step is 20 kHz.

Icom Inc.

More outstanding features...

- Newly-designed, tunable bandpass filters provide good image and intermodulation rejection
- 36(d) mm large internal speaker provides powerful, clear audio
- Programmable from a PC as well as receiver to receiver cloning capability (optional CS-R10 + OPC-478 or OPC-474 is required)
- Multi-function, dot-matrix LCD displays a variety of information
- User-programmable TS (between 0.1 and 999.9 kHz in 0.1 kHz steps)
- Auto mode and TS for simplified operation

- Memory edit function for easy editing or revision of memory contents
- Memory copy function
- Easy mode provides simplified scanning operation
- CI-V compatibility (optional CT-17 required)
- Built-in 20 dB attenuator
- AFC (Auto Frequency Control) function
- Noise blanker and ANL (Auto Noise Limiter) functions

SPECIFICATIONS**GENERAL**

• Frequency range : (Unit: MHz)

Version	Frequency Range
U.S.A.	0.5000- 823.9999
	849.0001- 868.9999
	894.0001-1300.0000
Europe	0.5000-1300.0000
France	0.5000-87.5000
	108.0000-1300.0000

- Mode : FM, WFM AM, USB, LSB, CW
- Tuning steps : 0.1, 0.5, 1.5, 6.25, 8, 9, 10, 12.5, 15, 20, 25, 30, 50, 100 kHz or user-programmable (0.1-999.9 kHz/0.1 kHz steps)
- Power supply requirement : 4.8 V DC (4 AA (R6) Ni-Cd cells); or, 4.8-16 V DC acceptable (negative ground)
- Current drain (at 13.5 V DC):
Rated audio 180 mA typ.
Standby 110 mA typ.
Power saved 38 mA typ.
- Usable temp. range : -10°C to +50°C (+14°F to +122°F)
- Antenna connector : BNC (50 Ω)

- CI-V connector : 3-conductor 3.5(d) mm (1/8")
- Dimensions : 58.5(W) x 130(H) x 31.3(D) mm (proj. not included)
- Weight : 2.3(W) x 5.1(H) x 1.2(D) in : 310 g, 10.9 oz.

RECEIVER

- Receive system : Triple superheterodyne
- Intermediate freq. :
1st : 266.7 MHz (340.0000-999.9999)
429.1 MHz (except above freq.)
2nd : 10.7 MHz
3rd : 455 kHz
- Sensitivity (typ.) : (except spurious points)

Freq. (MHz)	FM	WFM	AM	SSB/CW
0.5- 4.9999	0.5 μV	—	1.6 μV	0.4 μV
5- 74.9999	0.32 μV	—	1.0 μV	0.25 μV
75- 199.9999	0.32 μV	1.0 μV	1.0 μV	0.25 μV
200- 339.9999	0.45 μV	2.2 μV	1.6 μV	0.4 μV
340- 699.9999	0.35 μV	1.3 μV	1.4 μV	0.32 μV
700- 799.9999	0.79 μV	2.0 μV	2.0 μV	0.63 μV
800- 899.9999	0.5 μV	1.6 μV	1.6 μV	0.4 μV
900-1300.0000	0.5 μV	—	1.6 μV	0.4 μV

*FM and WFM are measured at 12 dB SINAD; AM, SSB and CW are measured at 10 dB S/N.

• Squelch sensitivity : (at threshold)

Freq. (MHz)	FM	WFM	AM
0.5- 4.9999	0.5 μV	—	1.6 μV
5- 74.9999	0.32 μV	—	1.0 μV
75- 199.9999	0.32 μV	1.0 μV	1.0 μV
200- 339.9999	0.45 μV	2.2 μV	1.6 μV
340- 699.9999	0.35 μV	1.3 μV	1.4 μV
700- 799.9999	0.79 μV	2.0 μV	2.0 μV
800- 899.9999	0.5 μV	1.6 μV	1.6 μV
900-1300.0000	0.5 μV	—	1.6 μV

- Selectivity :
SSB, CW : More than 4 kHz /6 dB
AM, FM : More than 15 kHz/6 dB
WFM : More than 120 kHz/6 dB
- Audio output power : More than 120 mW at 10% distortion with an 8 Ω (at 13.5 V DC) load
- External speaker connector : 3-conductor 3.5(d) mm (1/8")/8 Ω

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

OPTIONS

- **CS-R10 CLONING SOFTWARE + OPC-478 CLONING CABLE**
Allows you to transfer data from memories, etc., quickly and easily between IC-R10's as well as edit and store data via an IBM compatible PC.
- **LC-140 CARRYING CASE**
For protecting the receiver.
- **CT-17 CI-V LEVEL CONVERTOR**
For receiver remote control using an IBM-compatible personal computer.

- **HP-4 HEADPHONE/SP-13 EARPHONE**
Provide increased readability of signals in noisy environments and listening privacy.
- **CP-12L CIGARETTE LIGHTER CABLE WITH NOISE FILTER**
Allows you to operate the receiver through a 12 V cigarette lighter socket.
- **OPC-254L POWER CABLE**
Allows you to operate the receiver with 4.5 to 16 V external DC power.
- **OPC-474 CLONING CABLE**
Allows you to transfer data between receivers.



LC-140



CT-17



HP-4



CP-12L



OPC-254L

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Certificate Number Q14190

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