ICOM COMMUNICATIONS RECEIVER

IC-R72

Icom Inc.
A winner with BCLs and

Icom's communications receivers have a reputation for quality worldwide. Building on this reputation with superior receiver circuits in a compact body, the IC-R72 will satisfy SWLs, BCLs, professional listeners and serious DX'ers without fail.

COMMUNICATIONS RECEIVER

IC-R72

Superb characteristics

High sensitivity
Enjoy listening to many stations including broadcasts, vessels, aircraft, emergency services with AM, SSB, CW and FM* mode in 100 kHz–30 MHz.

* With an optional UB-8 FM RECEIVE UNIT.

- Sensitivity characteristics example
(Preamplifier on)

Advanced DDS System
The IC-R72 is equipped with Icom's original, state-of-the-art DDS (Direct Digital Synthesizer) System to provide improved CN (Carrier-to-Noise-Ratio) characteristics. The DDS System gives clear receiving of even the weakest signals. Minimum tuning steps of 10 Hz make SSB and CW tuning smooth.

100 dB dynamic range
Consistent high performance. Sophisticated circuits, such as the DFM (Direct Feed Mixer) which has good characteristics for multi-signal cross modulation rejection, ensure excellent results. Even if many strong stations are on nearby frequencies, the IC-R72 will receive your desired signal.

Dynamic range characteristics example
On the 14 MHz band
CW narrow mode
IF preselector width
500 Hz–6 dB

Receive input level (dBm)
100 dB (preamplifier on)
104.2 dB (preamplifier off)

Receive input level (dBm)
SWLs everywhere.

Variety of functions for comfortable receiving

Direct keyboard entry
Easy accessibility gives you convenient programming versatility. Frequency and memory channel selection, clock and timer settings can be performed quickly and easily.

Pre amplifier and attenuator
Built-in 10 dB preamplifier provides high sensitivity for receiving weak signals. 10, 20 or 30 dB selectable RF attenuator is installed to reduce excessively strong signals. Never any problems with strong or weak signals.

Level-selectable noise blanker
Troublesome pulse-type noises are eliminated by the built-in noise blanker.

A total of 99 memory channels
Recalling frequencies that you often listen to is easy with 99 memory channels. In addition, the IC-R72 has 2 independent scan edge channels to declare programmed scan frequency range.

Clock with timer functions
Built-in clock
Convenient 24-hour system clock appears on the function display. Clock and timer settings can be performed very easily.

Turns on and off automatically
You'll be sure to catch desired broadcast programs at the right time with the power on timer. For recording, the IC-R72 activates a connected tape recorder with the timer. The sleep timer turns off power at a preset time.

Useful options
Protects against strong input
Even if strong signals are transmitted near the antenna, the UR-1 protects against extremely strong inputs.

Multiple-action scan functions

* Programmed scan
Searches stations repeatedly within only the specified frequency range.

* Memory scan
All programmed memory channels are repeatedly searched in sequence.

* Selected memory scan
Only specified memory channels are checked.

* Auto memory write scan
In AM or FM mode, the received signal frequencies are automatically written into memory channels 80-99 sequentially.

Add receiving pleasure
By installing the UI-8, you can listen to FM mode. For clear CW receiving on crowded band condition, the FL-100 and FL-101 are available. In addition, the UT-36 announces the receive frequency in English.

FL-100: 500 Hz/± 6 dB
FL-101: 250 Hz/± 6 dB

Higher frequency stability
±15Hz of frequency stability in -10°C~+60°C, +14°F~+140°F is available with the CR-64.

Other features ensuring convenient operations

* Battery-type assures approx. 1 hour operation even during power failures.
* AC/DC power operation.
* Programmable 1~10 kHz tuning steps.
* Adjustable function display backlighting.
* Memory transfer function.
* Memory clear function.
* Tuning indicator for easy tuning.
* Dial lock function.
* 1 MHz tuning step.
* Accepts both 50 Ω and 500 Ω antennas.
* CI-V System for computer control.
* Transceive operation capability with an Icom HF transceiver.

*AC power only for Germany version.
SPECIFICATIONS

- Frequency coverage:
  - U.S.A., Europe: 30 kHz–30 MHz
  - Australia: 250 kHz–29.9 MHz
  - Germany: 150 kHz–26.1 MHz
- Mode: SSB (A33), AM (A3), FM (F3), CW (A1)
- Power supply requirement: 117, 220 or 240 V AC or 13.8 V DC ±15% (Germany version: 220 V AC only)
- Antenna impedances: 50 Ω (unbalanced)
- Current drain: 1.0 A (max. audio output)
- Usable temperature range: -10°C to +60°C (+14°F to +140°F)
- Frequency stability: Less than ±200 Hz (+25°C to +77°F), 1 min. ~ 1 hour after power is ON
  - Less than ±30 Hz (+25°C to +77°F), after 1 hour
  - Less than ±350 Hz (0°C to +50°C, +32°F to +122°F)
- Number of memory channels: 99
- Dimensions: 241(W) x 94(H) x 229(D) mm
- Weight: Normal type: 4.8 kg; 10.6 lb
- Weight: Battery type: 5.5 kg; 12.1 lb
- FM: More than 70 dB
- Audio output: More than 2 W at 10% distortion with an 8 Ω load
- Audio output: 8 Ω

- Intermediate frequencies
  - 1st: 70.4515
  - 2nd: 9.0115
  - 3rd: —
  - Sensitivity: 0.1–1.8 MHz
    - SSB, CW: Less than 2.0 μV for 10 dB SN
    - AM: Less than 2.0 μV for 10 dB SN
    - FM: Less than 0.16 μV for 10 dB SN
    - AM: Less than 2.0 μV for 10 dB SN
    - FM: Less than 0.5 μV for 12 dB SINAD
    - FM: Less than 0.4 μV
- Selectivity: SSB, AM narrow: More than 2.3 kHz/60 dB
  - AM: More than 6 kHz/60 dB
  - FM: More than 15 kHz/60 dB
  - FM: More than 30 kHz/50 dB

- Spurious and image rejection: More than 70 dB
- Audio output power: More than 2 W at 10% distortion with an 8 Ω load
- Audio output: 8 Ω

- Internal units
  - CR-64: High-stability crystal unit
  - UI-8: FM receive unit
  - UR-1: Receiver protector unit
  - UT-36: Voice synthesizer
  - CI-V system

- Options
  - IC-SP3 external speaker
  - IC-20-2 external speaker
  - HP-2 communication headphones
- Filters
  - FL-100, FL-101 CW narrow filters

- Specifications guaranteed 100 kHz–30 MHz.

OPTIONS

Icom offers a wide variety of options to personalize operation.

- EXTERNAL SPEAKERS AND HEADPHONES
  - IC-SP3 External SPEAKER
  - SP-2 External SPEAKER
  - SP-20 External SPEAKER
  - HP-2 Communication HEADPHONES
- FILTERS
  - FL-100, FL-101 CW NARROW FILTERS

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Count on us!

Your local agent/dealer: