

ICOM IC-R71A/E/D

The Best Just Got Better



GC-4
World Clock

ICOM introduces the IC-R71A/E/D 100KHz to 30MHz superior-grade general coverage receiver with innovative features including keyboard frequency entry and wireless remote control (optional).

This easy-to-use and versatile receiver is ideal for anyone wanting to listen in to worldwide communications. Demanding no previous shortwave receiver experience, the IC-R71A/E/D will accommodate an SWL (shortwave listener), Ham (amateur radio operator), maritime operator or commercial operator.

With 32 programmable memory channels, SSB/AM/RTTY/CW/FM (optional), dual VFO's, scanning, selectable AGC and noise blanker, the IC-R71A/E/D's versatility is unmatched by any other commercial grade unit in its price range.

Superior Receiver Performance.

Utilizing ICOM's DFM (Direct Feed Mixer), the IC-R71A/E/D's is virtually immune to interference from strong adjacent signals, and has a 100dB dynamic range.



RC-11
Infrared
Remote
Controller

Passband tuning, a deep IF notch filter, adjustable AGC (Automatic Gain Control) and noise blanker provide easy-to-adjust clear reception, even in the presence of strong interference or high noise levels. A preamplifier allows improved reception of weak signals.



Keyboard Entry. ICOM introduces a unique feature to shortwave receivers... direct keyboard entry for simplified operation. Precise frequencies can be selected by

pushing the digit keys in sequence of frequency. The frequency will be automatically entered without changing the main tuning control. Memory channels may be called up by pressing the VFO/M (memory) switch, then keying in the memory channel number from 1 to 32.

VFO's/Memories. A quartz-locked rock solid synthesized tuning system provides superb stability. Three tuning rates are provided: 10Hz/50Hz/1KHz.

32 Tunable Memories. Thirty-two tunable memories, more than any other general coverage receiver on the market, offer instant recall of your favorite frequency. Each memory stores frequency and operating mode, and is backed up by an internal lithium memory backup battery to maintain the memories for up to seven years.

Options. FM, synthesized voice frequency readout (activated by SPEECH button), RC-11 infrared remote controller, CK-70 DC adapter for 12 volt operation, IC-MB12 mobile mounting bracket, two CW filters FL-32-500Hz, and FL-63-250Hz, and high-grade 455KHz crystal filter FL-44A.

The World System

(Specifications on reverse side)

HF/VHF/UHF AMATEUR AND BUSINESS USE COMMUNICATION EQUIPMENT

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CABLE: ICOMTRCVR TELEX: 05277822 ICOMTR J



OPTIONS

- CK-70 DC Cable Kit (12V)
- CR-64 High Stability Crystal
- CT-10 Computer Interface/Terminal Unit
- IC-EX257 FM Unit
- IC-EX309 Computer Interface Connector Unit
- IC-EX310 Voice Synthesizer Unit
- FL-32 CW Narrow Filter (500Hz/-6dB)
- FL-44A High-grade SSB Filter (2.4KHz/-6dB)
- FL-63 CW Narrow Filter (250Hz/-6dB)
- IC-HP1 Headphone
- RC-11 Infrared Remote Controller
- IC-MB12 Mobile Mounting Bracket

SPECIFICATIONS

GENERAL

Frequency Coverage:

0.1MHz - 30.0MHz
(Australian Version: 2.0MHz ~ 30.0MHz)
(German Version: 0.15MHz ~ 26.1MHz)

Frequency Control:

CPU based 10Hz step Digital PLL synthesizer with dual VFO system. Direct frequency entry through keyboard or RC-11 remote control unit.

Memories:

32 tunable memories store frequency and mode.

Scanning:

Memory and band scan with auto-stop.

Frequency Readout:

6 digit 100Hz fluorescent readout.

Frequency Stability:

Less than 200Hz after switch on 1 min to 60 mins, and less than 30Hz after 1 hour. Less than 500Hz in the range of 10°C to 50°C.
With optional CR-64 high stability crystal: Less than ±50Hz after switch on 1 min to 60 mins, and less than ±10Hz after 1 hour of normal room temperature. Less than ±100Hz in the range of -10°C to +60°C.

Power Supply Requirements:

117V or 235V ±10% 50 - 60Hz 30VA
(110V/200V/220V use requires internal modification)

Antenna Impedance:

50 ohms Unbalanced
(Single wire can be used on 0.1 - 1.6MHz)

Weight:

7.5kg (16.5 lbs.)

Dimensions:

111mm(H) x 286mm(W) x 276mm(D)
(4 3/8 in. x 11 1/4 in. x 10 7/5 in.)

RECEIVER

Receiving System:

Quadruple Conversion Superheterodyne with continuous Passband Tuning
(F3*: Triple Conversion Superheterodyne)

Receiving Mode:

A1, A3J (USB, LSB), F1 (Output FSK audio signal), A3, F3

IF Frequencies:

1st	70.4515MHz	3rd	455KHz
2nd	9.0115MHz	4th	9.0115MHz

(except F3*)

with continuous Passband Tuning (except F3*)

2nd IF Center Frequency:

SSB (A3J) FM* (F3)	9.0115MHz
CW (A1) RTTY (F1)	9.0106MHz
AM (A3)	9.0100MHz

Sensitivity (when preamplifier is ON):

SSB, CW, RTTY	Less than 0.15 microvolts (0.1 - 1.6MHz: 1 microvolt) for 10dB S+N/N
AM	Less than 0.5 microvolts (0.1 - 1.6MHz: 3 microvolts)
FM*	Less than 0.3 microvolts for 12dB SINAD (1.6 - 30MHz)

Selectivity:

SSB, CW, RTTY	2.3KHz at -6dB (Adjustable to 500Hz min) 4.2KHz at -60dB
CW-N, RTTY-N	500Hz at -6dB 1.5KHz at -60dB
AM	6KHz at -6dB (Adjustable to 2.7KHz min) 15KHz at -50dB
FM*	15KHz at -6dB 25KHz at -60dB

Spurious Response Rejection Ratio:

More than 60dB

Audio Output:

More than 2 watts

Audio Output Impedance:

8 ohms

*When optional FM unit is installed.



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