ICOM IC-R71A/E/D

The Best Just Got Better

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) and with the push of the memory button, 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

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

Fastband 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.

Options

- FM, synthesized voice frequency readout (activated by SPEECH button), KC-11 infrared remote controller, CK-70 DC adapter for 12 volt operation, IC-MR12 mobile mounting bracket, two CW filters FL-32-100kHz, and FL-63-250kHz, and high-grade 40kHz crystal filter FL-44A.

The World System

(Specifications on reverse side)

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CABLE: ICOMTRCVR TELEX: 05277622 ICOMTR J
GENERAL COVERAGE RECEIVER

IC-R71A/E/D

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)
- 0.15MHz – 26.1MHz (German Version)
Frequency Control:
- CPU based 1Hz 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 ±5°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 ±50°C.
Power Supply Requirements:
- 117V or 230V ±10% 50–60Hz 30VA
- (110V/220V/230V use requires internal modification)
Antenna Impedance:
- 50 ohms Unbalanced
- (Single wire can be used on 0.1 – 1.5MHz)
Weight:
- 7.5kg (16.5 lbs)
Dimensions:
- 111mm(H) x 286mm(W) x 276mm(D)
- (4 2/8 in. x 11 1/4 in. x 10 7/8 in.)
RECEIVER
Receiving System:
- Quadruple Conversion Superheterodyne with continuous
- Passband Tuning
- (F3*: Triple Conversion Superheterodyne)

Receiving Mode:
- A1, A3 (USB, LSB), F1 (Output FSK audio signal), A3, F3
IF Frequencies:
- 1st 70.4515MHz
- 2nd 9.0115MHz
- 3rd 455kHz
- 4th 9.0115GHz (except F3*)

with continuous Passband Tuning (except F3*)

2nd IF Center Frequency:
- SSB (A3) FM* 3.47MHz
- CW (A1) RTTY (F3)
- 9.0115MHz
- 9.0104GHz
- 9.0100GHz

Sensitivity (when preamplifier is ON):
- SSB, CW, RTTY
- Less than 0.15 microvolts (0.1 – 1.5MHz 1 microvolt)
- for 10dB SINAD/N
- AM
- Less than 0.1 microvolts (0.1 – 1.5MHz 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 -6dB
- 60Hz at -6dB
- 1.5kHz at -80dB
- AM
- 6kHz at -6dB
- (Adjustable to 2.7kHz min)
- 15kHz at -50dB
- 25kHz at -60dB
- 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

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

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