

IC-R70

NEW!

The Commercial Grade Communications Receiver that everyone has been asking for..... at a price you can afford!



GENERAL COVERAGE RECEPTION AT ITS BEST

Listen to the world of HF with the R70, a 100KHz to 30MHz commercial grade receiver designed by ICOM Incorporated, the leader in advanced receiver design. Built from knowledge gained by designing receivers for commercial, marine, and amateur use, the R70 surpasses other receivers on the market...even receivers costing more than twice as much.

Utilizing ICOM's DFM (Direct Feed Mixer), the R70 is a receiver which in normal usage is virtually immune to intermodulation distortion or cross modulation, yet still maintains superior sensitivity. Whether you are a SWL (short wave listener), Ham (amateur radio operator), maritime operator or commercial user, the R70 provides the features you need.

DESIGN

The R70 incorporates an UP conversion system, utilizing a direct feed mixer proven to be the best design for minimizing interference from strong adjacent signals. A preamp is provided for making the weakest of signals readable. High grade filters in

conjunction with the built-in PBT (pass band tuning) system and notch filter, provide the ultimate in interference rejection. Selectable AGC (fast/slow/off), noise blanker (wide or narrow), and tone control improve readability under the worst conditions. An AGC derived squelch, operative in all modes, adds to operating ease.

Dual VFO's with three tuning rates provide quick QSY (frequency change), memory for an important station, or by equalizing the VFO's (A=B), a digital RIT. 13.8 VDC operation is provided as an option, 117 VAC is standard.

HAM'ING

The R70 is an ideal general coverage receiver to complement any ham shack. Use it with your existing transmitter or transceiver to provide dual receiver capability.

The R70's built-in monitor system lets you listen to your own transmitted audio and a mute input automatically protects the R70's receiver from your signal.

An option for FM allows listening to the 10 meter FM activity.

As an additional plus to ICOM IC-720A owners, the R70 has an optional

interface that will allow the R70 to control the transmit frequency of the 720A for the ultimate in hamming versatility.

SWL'ING

For the short wave listener, the readout section of the R70 gives all the information for logging a station to be returned to at a later time. Frequency, mode, VFO, signal strength are all displayed. A dial lock prevents accidental loss of a signal.

A front mounted speaker provides 3 watts of crisp clear audio. A record jack allows easy attachment of a tape recorder.

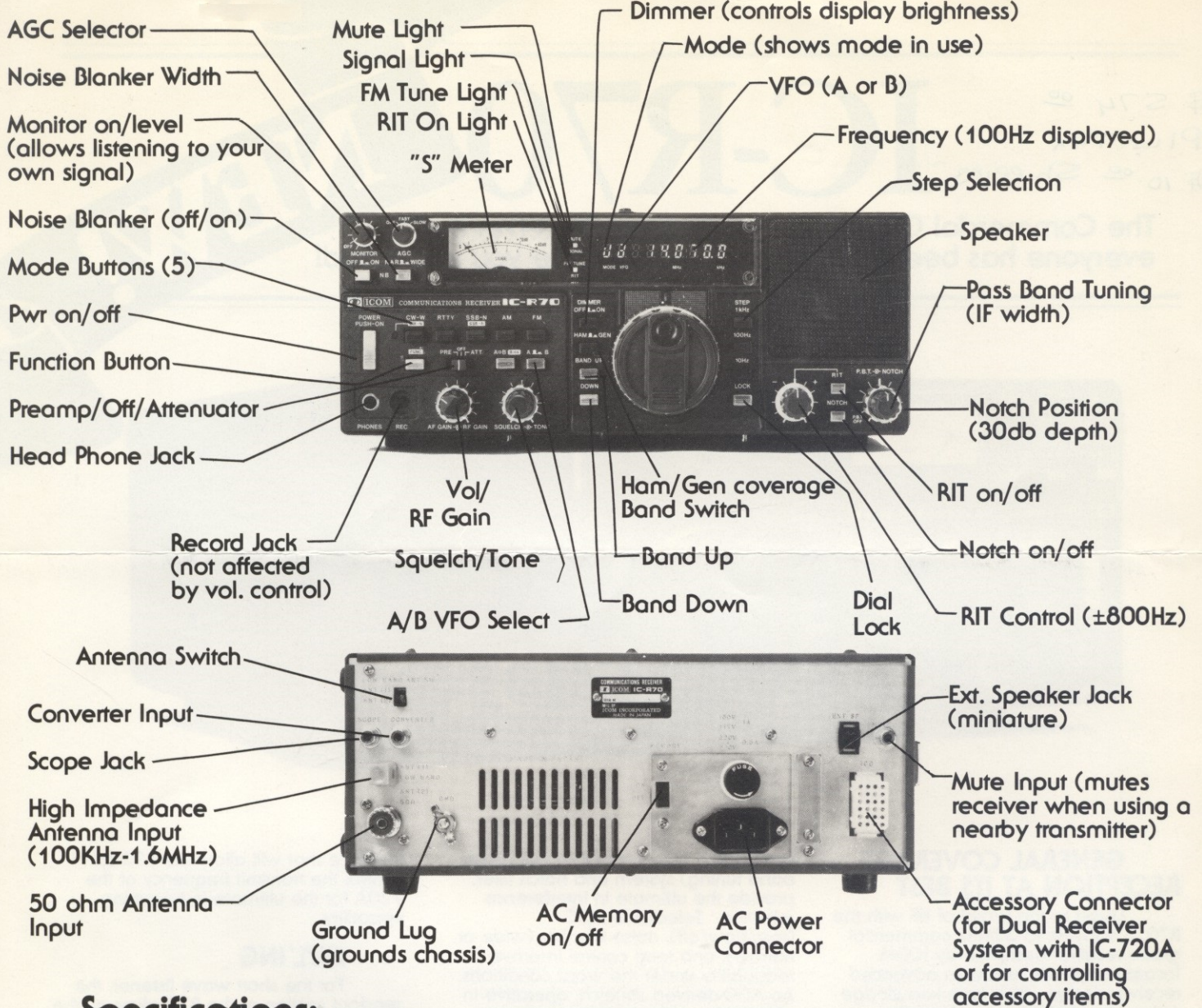
ICOM SYSTEM

Like all ICOM HF products, the R70 fits into the ICOM system concept of accessories allowing you to use previously purchased accessories such as the HP1 headphone, SP3 external speaker, and AH1 auto bandswitching antenna.

PRICE

Check with your local ICOM dealer for pricing on the R70. You will be amazed.

 **ICOM**
The World System



Specifications:

Frequency Coverage:	100KHz - 30MHz	Spurious Responses:	-60dB down
Receiving Modes:	SSB (A3J), CW(A1), RTTY (F1) AM(A3), *FM(F3)	Dynamic Range:	100 dB @500Hz IF Bandwidth
Receiver Type:	SSB, CW, RTTY, AM - double conversion superhetrodyne *FM - Triple conversion	PBT Range:	SSB, CW, RTTY $\pm 1.8\text{KHz}$ AM $\pm 3.3\text{KHz}$
IF Frequencies:	1st - 70.4515MHz 2nd - SSB - - 9.0115MHz CW, RTTY - 9.0106MHz AM *FM - 9.0100MHz PBT - 455KHz 3rd - *FM - 455KHz	RIT Range:	$\pm 800\text{Hz}$ from center position.
Sensitivity:	SSB, CW, RTTY - 0.16uV for 10dB S/N (100KHz-1.6MHz = 1uV for 10dB S/N) AM - 0.5uV for 10dB S/N *FM - 0.32uV for 12dB SINAD (1.6 - 30MHz only)	Notch Depth:	30dB
Selectivity:	SSB, CW, RTTY 2.3KHz @ -6dB/4.2KHz @ -60dB CW-N, RTTY-N 500 Hz @ -6dB/1.5KHz @ -60dB AM 6KHz @ -6dB/18KHz @ -60dB FM 15KHz @ -6dB/25KHz @ -60dB	Audio Power:	3 watts into 8 ohms with 10% distortion (5.8 watts into 4 ohms)
Stability	$\pm 500\text{Hz}$ over -10° to $+60^\circ\text{C}$, $\pm 250\text{Hz}$ from 1 min. to 1 hr. after turn on, $\pm 50\text{Hz}$ thereafter.	Power Supply:	Built in AC type for 100, 117, 220 to 240 volts $\pm 10\%$ (50/60Hz), 13.8V $\pm 15\%$ DC supply capability optional.
		Weight:	16.28 lbs.
		Size:	11.25(11.92)"W x 4.33(5.0)"H x 10.86(12.56)"D
		Antenna Impedance:	50 ohms (100KHz - 1.6MHz a long wire is used - terminal is provided)
		Ground:	Chassis is at ground potential, ground lug provided.
		Power Consumption:	AC, Volume minimum 24VA (20W) AC, Volume max. 30VA (25W) DC, Volume min. 0.7A DC, Volume max. 1.0A
		Operating Temperature Range:	-10° to $+60^\circ\text{C}$.

