

GLB ELECTRONICS RECEIVER KITS

The R-series consists of a complete line of VHF-UHF front-ends and the model R107 IF/AF strip. Two boards are all you need to make a receiver. The IF/AF board works with any of the front-ends, making it possible to build a multi-band system just by providing multiple front-ends.

These kits are great for:

- * Monitor receivers
- * Scanning receivers
- * Custom-built transceivers
- * Weather radios
- * Repeaters
- * Repeater control links
- * Remote receiver installations
- * Inter-repeater links
- * Emergency locator receivers

Each front-end includes a FOUR-POLE crystal 10.7 MHz filter, and the board is compatible with 6- or 8-pole units. You can also use a custom filter off-board by mounting it separately and wiring it between the two receiver boards. Or you could leave the filter off and use the front-end as a VHF converter.

LOCAL OSCILLATOR REQUIREMENTS

Each front-end is designed for direct compatibility with the GLB Channelizers. A simple change on the input stage of the multiplier section converts it to a crystal oscillator, and you could switch in as many crystals as you like.

MODEL R107 IF/AF ASSEMBLY

This board is designed to receive FM (5 to 7 KHZ deviation) in conjunction with one of our front-end boards, but you could put your own front-end on it if you like. A 10K volume control pot, a 10K squelch pot and a speaker are all you need to add. Up to 2 watts of audio power are available!

FRONT ENDS, TYPICAL PERFORMANCE: (12 V DC operation)

Model:	R50	R144	R220	R450	
Range:	40-72	90-170	140-230	400-470	MHZ
Sensitivity:	.3	.3	.4	.5	Uv/20db
Image:	-60	-40	-40	-35	db
Crystal formula	f-10.7	$\frac{f-10.7}{3}$	$\frac{f-10.7}{4}$	$\frac{f-10.7}{9}$	MHZ

MODEL R107 IF/AF STRIP

Input frequency: 10.7 MHz
 Sensitivity: 2 uv
 Input Z: Set by R1; 4.7K for 4-pole filter
 Second IF: 455 KHZ
 455 KHZ filtering: 2 poles L/C
 Audio output: 2 Watts into 4 ohms @ 12 volts
 Squelch: Series-gate, noise operated
 Discriminator: Quadrature (one coil)
 Built-in push-to-talk provisions.

Dimensions: Standard boards are 2 x 4.5 inches; tallest part is 0.6".