



BELAR

"When accuracy counts, count on Belar."

BELAR FMRR-1A FM REBROADCAST RECEIVER



DESCRIPTION

The Belar FMRR-1A FM Rebroadcast Receiver is a crystal-controlled, fixed-frequency receiver designed for rebroadcasting and other applications that require accurate FM reception and composite output. The FMRR-1A features the same sophisticated, multistage filter as in the RFA-1A and RFA-4 to ensure the highest possible performance.

The precision demodulator features two buffered 75 ohm composite (BNC) outputs and a 600 ohm, balanced (XLR) output suitable for rebroadcast of mono, stereo, and SCA signals.

FEATURES

- Automatic Gain Control (AGC)
- Input Attenuator: 0, 6, 12, 18 dB, switched
- LED RF Level indicator shows signal strength at a glance
- Carrier-fail relay (NO or NC) for remote switching applications
- Audio mute under low- or loss-of-signal
- Front panel headphone jack for convenient monitoring
- Optional power supplies available for solar or other special applications

SPECIFICATIONS

RF Input Sensitivity	100 uv
Signal-to-Noise Ratio:	
100 uv input	75 dB
500 uv input	85 dB
RF Input Impedance	75 ohms, BNC Connector
Input Attenuator	0, 6, 12, 18 dB
RF Frequency Range	87.0 - 108.0 MHz (specify frequency)
Outputs	two 75 ohm buffered composite (BNC) 600 ohm, balanced (XLR)

Capture Ratio	1.5 dB
Selectivity:	
Alternate Channel	27 dB
3rd Adjacent Channel	46 dB
Harmonic Distortion	less than 0.03% @ 1 kHz, 75 kHz deviation
Separation	1 kHz 60 dB, 15 kHz 50 dB
Dimensions	1 EIA Rack Unit 1.75"H x 14.5"D x 19"W
Power Requirements	110/220 VAC, 50/60 Hz
Power Consumption	15 VA
optional power supplies available	
Shipping Weight	11 lbs

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