



DESCRIPTION

The Belar FMRR-4 Frequency Agile FM Rebroadcast Receiver is a microprocessor controlled, tunable receiver designed for rebroadcasting and other applications that require accurate FM reception and composite output. The FMRR-4 features 10 memory locations for one-button access to 10 stations with call letters. Direct dial of any standard FM frequency is also possible, and UP/DOWN buttons are included. The station's call letters can be programmed into the display with the frequency for quick and easy reference. A sophisticated, multistage filter ensures 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, composite stereo and SCA signals.

FEATURES

- 10 memory presets with programmable call letters
- Direct dial of any standard FM frequency in 50 kHz increments
- Non-volatile memory for presets, calls
- Input Attenuator: 0, 6, 12, 18 dB, switched
- Automatic Gain Control (AGC)
- Carrier-fail relay (NO or NC) for remote switching applications
- Audio mute under low- or loss-of-signal

- Precision FM Demodulator with 75 kHz deviation calibrator
- Front panel headphone jack for convenient monitoring
- Optional power supplies available for solar or other special applications

SPECIFICATIONS

RF Input Sensitivity	100 μ V
Signal-to-Noise Ratio:	
100 uV input	75 dB
500 uv input	85 dB
RF Input Impedance	75 ohms, BNC
Input Attenuator	0, 6, 12, 18 dB
RF Frequency Range	87.75 - 107.95 MHz
	in 50 kHz increments
Outputs	two 75 ohm buffered composite
Audio Output (mono)	600 ohm, balanced
Capture Ratio	1.5 dB
Selectivity:	
Alternate Channel	27 dB
3rd Adjacent Channel	46 dB
Harmonic Distortion	< 0.01%
	@ 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	15 Watts, 100-240V,
	50/60 Hz
	optional power supplies available
Shipping Weight	11 lbs

Specifications are subject to change without prior notice.



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