

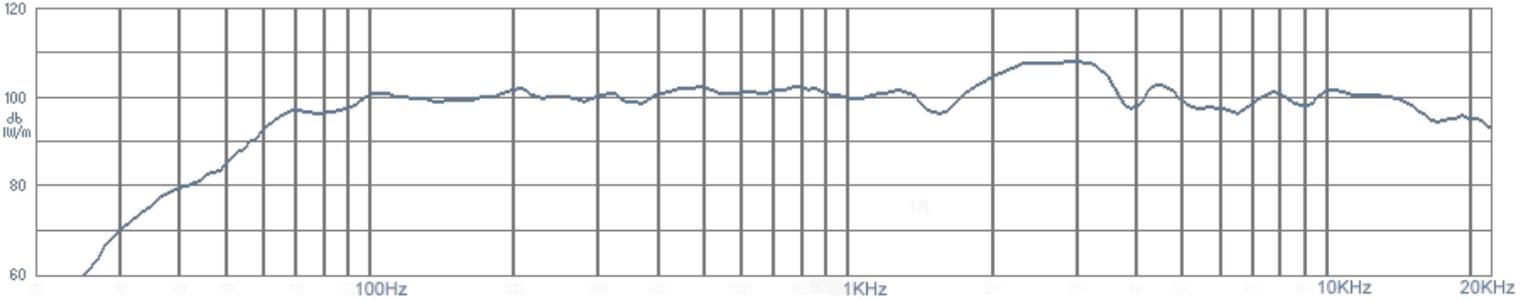


M1 Stage Monitor

A clean, intelligible, and crowd pleasing mix starts with having the stage volume perfect. It is this reason that Rexroat Sound has made it a priority to introduce the M1 Stage Monitor. Once again, our multi-principle design philosophy was utilized to conceptualize this product. From there, exhausting research and development finally perfected our conceptualization. We started out with an entourage of wishes for our new product. First, it had to be point source and very powerful. Second, we wanted the smallest and lowest profile cabinet possible. Thirdly, we were not going to settle for anything but better vocal cut through intelligibility over background noise of 110db, than the competition provides! Of course, our M1 stage monitor is constructed of the highest quality craftsmanship and materials; 13 ply Baltic Birch, screws and glue, thick black polyurethane coating, and carefully selected audio components are used throughout. Our loudspeakers always start with construction that surpasses peoples' expectations. We figure that you want them to last, so we built them tough.

Another design requirement, we insisted upon, is so unusual that we couldn't mention it right away; that would have spoiled the fun. Ok, yes, you can leave half your amps in the shop and forget crossovers. You think that we're kidding? We aren't, because in passive mode the Rexroat Sound M1 stage monitor cuts through background noise with more clarity and power than other more expensive, processor controlled, bi-amplified stage monitors! In addition to the two available modes of operation there is a stand adapter plate on the side of the cabinet making them even more versatile. These monitors are extremely equable, making them a joy to operate. With a frequency response of 70Hz-16 KHz (+/-4db) and an average axial sensitivity of 104db@1W/1m, they are ready to do whatever you need them to do. In passive mode, the high frequency driver is padded down 5db so with this pad omitted, in bi-amp mode, extremely high SPL's are easily obtainable. Bi-amplification should only be executed with the utmost care and with sound engineers using hearing protection. Bi-amp mode will be found to be necessary only for deaf musicians or for applications such as mains, front fills, or side fills. Bi-amplification will reveal attributes associated with much larger speakers; caution is recommended for near field use.





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Architects and engineers design notes:

Rexroat Sound's M1 stage monitor is a highly efficient, extremely coherent, and easy to operate loudspeaker. The audio components include one 12-inch low frequency transducer and one 1-inch exit high frequency compression driver. The system of loudspeakers is arranged in a coaxial point source fashion. The M1 can either be powered by a single, full range amplifier source or by an electronically divided pair of amplifiers. The passive mode routes the power through a dividing network that separates the lows and highs at 3.5KHz. The passive network also pads the high frequency driver by 5 decibels, making it extremely difficult to damage. The cabinet has been tuned for smooth bass response by means of two ports that are symmetrically placed on the baffle board. Bi-amp mode is available for those wishing to push the loudspeaker system to its fullest potential. Part of the design philosophy used to create the M1 was to empower the audio engineer to run monitors passively. However, when even greater headroom is necessary, bi-amp mode is available. Please note that a crossover point near 3.5 KHz or 4 KHz will deliver the best overall results and that lowering the crossover point below 2.2Khz may damage the high frequency driver when high power levels are applied. The sensitivity of the high frequency driver is such that bi-amp mode should be executed with caution.

The quality of components and construction, the implementation of point source architecture, exclusion of an improper crossover point, and exhaustive research and development have helped make this loudspeaker extremely natural sounding and very clear. Vocals and acoustic instrument reproduction will be the best applications to take advantage of this product; although, any application requiring a large variance in SPL level and esoteric clarity will benefit from choosing the M1.

Specifications:

Model:	M1	Frequency response +/- 4db:	70Hz-16KHz
Drivers (coaxial arrangement):	low: 12" high: 1"	Sensitivity (1W/1m on axis):	104db
Input impedance:	full range: 8 ohms low input: 8 ohms high input: 8 ohms	Dimensions:	height: 14.00" width: 20.50" depth: 15.25"
Power handling capacities in terms of continuous program material measured in RMS Watts:	passively driven: 450W low input: 450W high input: 80W	Weight:	53lbs
		Input connectors:	2-1/4" + 2-NL4MP jacks
		Construction material:	13ply birch
		Coating:	black polyurethane or custom finish

