



Note: plinth optional but recommended for stability

Linear Quadrupole for Markaudio CHR90



Notes:

- 0/ Linear quadrupole. 4 x CHR90 wired in series-parallel. Single driver on each vertical face
- 1/ 18mm build material suggested. MDF acceptable, quality void free multiply strongly recommended.
- 2/ Bracing not shown but strongly recommended. Ensure vertical plane not significantly disrupted to preserve longitudinal standing wave which forms active part of alignment
- 3/ Chamfer driver cut-out to enhance airflow
- 4/ All internal faces lagged 20mm - 25mm bonded acoustic fibreglass board, SAE-F10 rated felt, jute carpet underlay or equivalent. Avoid acoustic foam. Ensure docs not block or come into contact with driver or vent cutouts
- 5/ Single duct 102mm diameter x 32mm total length on rear panel

-Design inspired by classic EPI 1000 quadratic tower speaker. All drive units reproduce full frequency range.

-Intended for large spaces & requires siting at least 4ft or more from room boundaries for optimum performance.

Note: This is not designed as a conventional hi-fi loudspeaker but a wideband interpretation of the classic range-topping model from EPI produced during the 1970s

Fb = 42Hz

F6 = 38Hz [nominal anechoic]