



Q1 loudspeaker

The Q1 is a passive two-way loudspeaker housing two 10" LF drivers positioned in a dipolar arrangement and a 1.3" HF compression driver fitted to a toroidal wave shaping device. The 75° constant directivity horizontal dispersion pattern is maintained down to 400 Hz, while the vertical HF dispersion of 15° allows the Q1 to be used to construct vertical columns that produce a curved coherent wave front. The mechanical and acoustical design of the cabinet enables vertical splay angles to be set between 0° and 14°. Q1 cabinets can therefore be used in vertical configurations starting from two cabinets with a 15° to 30° dispersion, up to twenty cabinets with a fully user and venue defined vertical profile. The Q1 cabinet is constructed from marine plywood, incorporates a pair of handles and has an impact resistant paint finish. The front of the loudspeaker is protected by a rigid metal grill covered with replaceable acoustically transparent foam, and two EP5 or NL4 connectors wired in parallel are mounted on the rear panel.

Amplifiers

The Q1 can be driven either by d&b's D6 or D12 dual channel power amplifiers configured for the Q1. More detailed information on specific loudspeaker setups with d&b amplifiers is available either in the relevant loudspeaker or amplifier manuals.

Applications

Live-music	■ 1 2
Playback	■ 1 2
Speech	■ 2
Stage monitor	
Subwoofer	

Data

Components	2 x 10" driver / 1.3" compression driver
Max. sound pressure (1 m, free field) ³ with D6 / D12	135 / 139 dB SPL
Power handling capacity (RMS / peak 10 ms)	400 / 1600 W
Frequency response (-5 dB)	60 / 100 ⁴ Hz - 17 kHz
Nominal dispersion angle (h x v)	75° x 15° ⁵
Cabinets per channel D6 / D12	2 / 2 ⁶
Dimensions mm (h x w x d)	308 x 580 x 410
Weight kg	22
Dimensions inch (h x w x d)	12.1 x 22.8 x 16.1
Weight lb	49

Application information is presented for guidance only. We reserve the right to make any necessary changes to the products and the published specification. As part of our ongoing product development program we try, where possible, to maintain the highest degree of product compatibility.

- recommended use
- 1 with subwoofer
- 2 from 2 up to 20 as array
- 3 SPL max peak, test signal: pink noise with crest factor 4
- 4 standard/CUT mode
- 5 ≥ 400 Hz in dipolar direction
- 6 in applications with low continuous levels or low ambient temperatures
up to three loudspeakers per channel D12 may be connected