

ALF40

High Performance Discreet Bass-Enhancer

DATASHEET V2.1

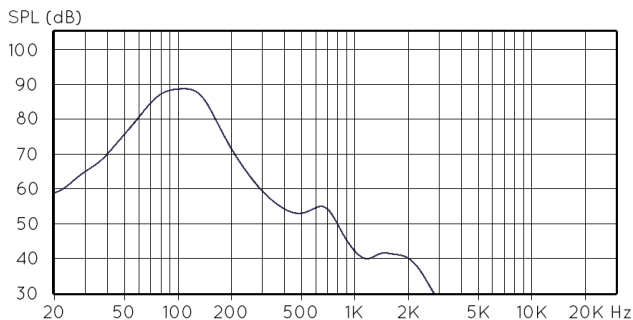
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Product Description

Utilising a unique adjustable ported design, the ALF40 bass-enhancer easily blends into any room environment by mounting within walls, ceilings, cabinets or other joinery with minimal visual impact.

Measuring just 359 x 157 x 134mm (14^{1/8} x 6^{3/16} x 5^{1/4}”) and weighing just 3.2Kg (7lbs 1oz), this passive 30W subwoofer can deliver 106dB SPL/1m down to 65 Hz making the ALF40 the perfect discreet bass-enhancer ideal for distributed audio systems.

The ALF40 is designed to be connected directly to a dedicated full range amplifier output. No additional filtering is required when used in conjunction with Amina Invisible Loudspeakers. Parallel connection with a single Amina Invisible loudspeaker is also possible.



Specifications

Nominal impedance	8 Ohms
Power handling (continuous/peak)	30W/60W
Sensitivity	88dB @ 1m/2.83Vrms (half space)
Frequency response	65Hz - 155Hz (± 6 db) 18dB/octave band-pass
Max SPL	106dB @ 1m (half space)
Electrical connection	3-way binding-post (plug, spade or bare wire)
Dimensions	359 x 157 x 134mm (14 ^{1/8} x 6 ^{3/16} x 5 ^{1/4} ”)
Product weight	3.2Kg (7lbs 1oz)
Port locations	Side or end-firing port locations with 80mm length adjustment, Supplied with a blanking plate to be fitted to unused port.
Port Diameter ID / OD	39mm (1 ^{4/8} ”) / 43mm (1 ^{11/16} ”)



Mounting Options

ALF40 may be installed either in wall/ceiling cavities where there is a minimum 134mm depth. Metal mounting brackets are supplied to allow the bass-enhancer to be secured straight to studs or joists. The adjustable port tube requires a hole to be cut in the plasterboard, allowing it to vent straight into the room rather than into the cavity.

ALF80 may also be installed into cabinetry, behind kickboards, under furniture or even in-room. Port should be adjusted to ensure all energy is vented into the room and not the containing structure. Port should never be modified, extended, bent or blocked as this will affect performance.

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