

High-Power Full-Range Portable Flat Panel Speakers

Over several years, *DML technology has advanced to the point where newly developed compact high-power transducers can produce significant sound output levels with a full-spectrum frequency response.

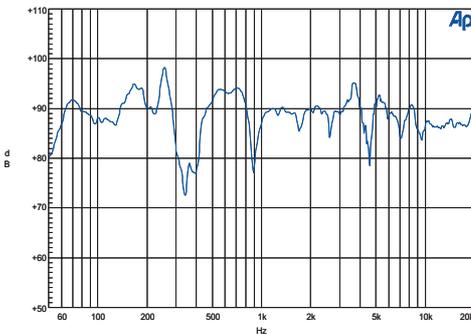
MiniPro is the first commercial application of these second-generation DML exciters, combined into an easily transportable lightweight package, delivering all the spatial benefits of this extraordinary sound technology along with substantial volume. Weighing less than 4Kg, MiniPro can deliver an astonishing 114dB peak output, handling up to 80watts (AES). A generous operating range of 60Hz right up to 21kHz makes it suitable for almost any type of program.

MiniPro will fill unusually large volumes with clean and clear non-directional sound, due to its surprising dispersion characteristics, whilst the flat construction allows it to be used in visually sensitive architectural situations.

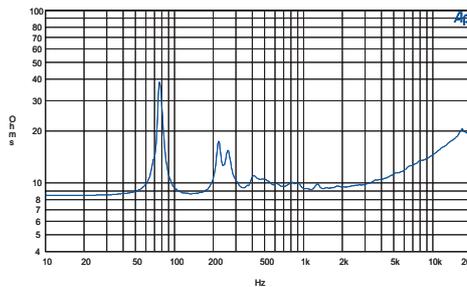
When compared with pistonic drivers, the low rate at which DML loudness drops-off with distance delivers an exceptionally even level of coverage within a room or venue. A further beneficial effect of DML is that beaming is eliminated, and adverse room-effects are thereby substantially reduced.



*Distributed Mode Loudspeaker



MiniPro Frequency Response Curve



MiniPro Impedance Curve



Close-up of MiniPro heatsink



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For full and updated news about MiniPro, and a list of local and international distributors and stockists, please visit www.fane-acoustics.com. The proprietors of MiniPro operate a policy of continuous product development and reserve the right to change specifications without notice.



MiniPro
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Specifications

Applications:

Multimedia and High Intelligibility Speech; Acoustic Musical Instruments; Schools & Houses of Worship; Retail Spaces; Restaurants and Bars; Small Portable P.A.

Features:

Flat visual aspect for Architectural Installation; Extreme portability; High output to weight ratio;

Loudspeaker type	Distributed Mode Loudspeaker (DML)
Operating range	60Hz - 21Khz
Sensitivity 1W/1M	89dB
Max. input Rating	80 Watts (AES)
Max output Rating	108 dB Continuous, 114dB Peak
Nominal impedance	8 ohms
Nominal -6dB Beamwidth Horizontal	100°
Nominal -6dB Beamwidth Vertical	120°
Recommended Signal processing	50Hz High Pass Filter
Transducers	4 x R25/08 High Efficiency Radial Magnet Exciters
Transducer protection	None
Enclosure	High Density Polyurethane Foam
Mounting provisions	4 x M6
Input connector	1 x NL4 Speakon
Dimensions H/W/D	660mm x 540mm x 70mm (26ins x 21¼ins x 2¾ins)
Weight	3.6Kg. (7.9Lb)
Shipping weight	5.0Kg (11Lb)

Mounting Notes:

Sound is radiated from both the front and back of the loudspeaker. Therefore, to avoid cancellation effects, a clearance area of at least 500mm should be left between the back of the unit and any parallel acoustically reflective surface behind it.

Accessories

Digital Slaving Amplifier: PP.MP80D

110/230v digital amplifier, with 80watts output and integral 50Hz bass filter, in a compact package, is precisely matched to the MiniPro units performance.

Greatly simplifies installation. Mounts to existing fixing inserts and does not interfere with any other accessories also using those inserts.



25mm dia Pole Mounts: PP.MP.AC02

Steel pole-mounting bracket bolts to threaded inserts already in position on the MiniPro frame. This bracket allows the MiniPro unit to be mounted on an industry-standard 25mm dia pole stand, which can itself be either free-standing or wall mounting, allowing MiniPro units to be swiftly mounted/de-mounted, or for touring applications. Finished in Black epoxy powder-coat.

35mm dia Pole Mounts: PP.MP.AC01

As above, but suited to the other industry-standard, 35.00mm.

Tripod stand: PP.MP.AC10

Light-weight, all-aluminium stand for one MiniPro. Max. height 1.9m to top of pole.

Carrybag for Tripod Stand: PP.MP.AC11

Lightweight drawstring carry bag, in nylon, with shoulder strap, to suit a pair of AC10 tripods.

Wall mount Bracket: PP.MP.AC03

Custom made mounting plate, with horizontal swivelling, affixes to threaded inserts already in position on the MiniPro frame, and is then mounted on a laterally swivelling wall fixing plate. This allows for semi-permanent installation of MiniPro units, with a 550mm stand-off. Finished in Black epoxy powder-coat.