DATASHEET

PAN SPEAKER P 16-PI – PASSIVE LINE ARRAY

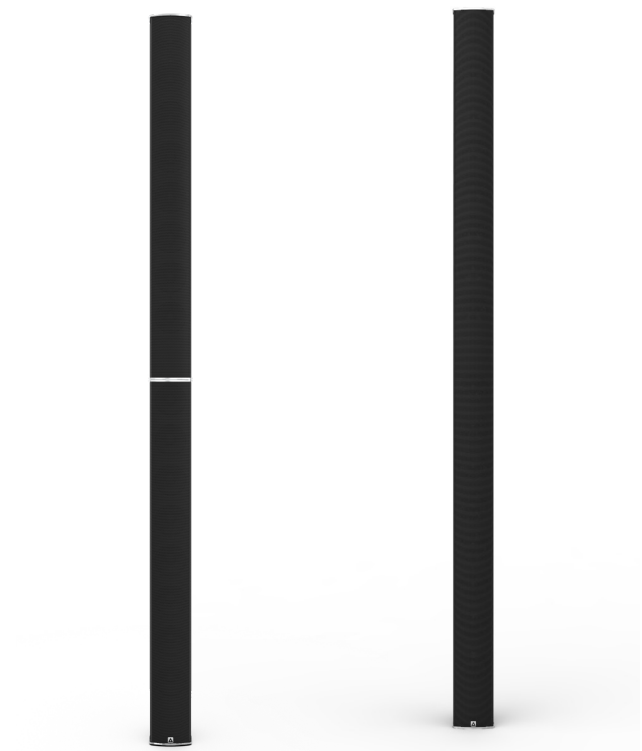


Illustration of variant split enclosure

Illustration of variant single enclosure

Illustration in colour option, see mechanical properties

The **Pan Speaker P 16-Pi** is a passive line array in an attractive compact column design for speech and music applications. It is characterised by precise and natural reproduction.

The loudspeaker contains 16 x 3.5" HQ drivers in a linear arrangement**.** The enclosure is made of aluminium and can be custom-finished in any colour. The chassis are protected from external impact by a perforated metal sheet that is integrated into the design.

At the back of the **P 16-Pi** there is a 5-pin connector. The optional mounting accessories (wall, ceiling and tripod mounts) can be installed by inserting a slot nut in the lateral slots and the rear slot.

The **P 16-Pi** is available in two versions: in a modular design (2 modules) or in a single enclosure (dG).

It can be operated individually or in combination with subwoofers from the Pan Subwoofer series.

EQUIPMENT / OPTIONS

See last page for explanation of the symbols.

APPLICATIONS

Churches, museums, live PA, train stations, airports, sports facilities, legislative buildings, conference rooms, lecture halls, shopping centres, A/V presentation rooms

FEATURES

High efficiency, integrated protection circuit, high reproduction quality even in acoustically challenging environments, sleek and unobtrusive design.

MOUNTING ACCESSORIES

For the **Pan Speaker** series, there is a wide range of mounting accessories for fixed installation and mobile use.

All **Pan Speaker** loudspeakers are designed, developed and manufactured in Germany by Pan Acoustics from high quality materials and according to strict criteria.

Doc. No.: 2021_01212

QUALITY MADE IN GERMANY SINCE 2002

All products are designed, developed and manufactured by Pan Acoustics in Germany.
Pan Acoustics reserves the right to modify products without prior notice.

www.pan-acoustics.de

Pan Acoustics GmbH | Schweigerstr. 13d | D-38302 Wolfenbüttel | Germany | Tel.: +49 (0) 5331 900 95 70 | E-mail: contact@pan-acoustics.de

PAN SPEAKER | PAN BEAM | PAN 2-LINE | PAN EVAC

PAN ACOUSTICS

TECHNICAL DATA PAN SPEAKER P 16-PI

ACOUSTIC PROPERTIES

Configuration:	Passive line array
Frequency range:	80 Hz - 18 kHz
Equipment:	16 x 3.5” HQ
Rated power:	800 W ($peak_{20\ ms}$) / 600 W (programme) / 300 W (nominal)
Recommended amplifier:	DSP power amplifier
Sensitivity:	97 dB 1 W / 1 m
Maximum SPL:	132 dB* (peak) @ 1 m
Impedance:	4 ohms
Horizontal radiation pattern:	100°
Vertical radiation pattern:	10°
Connections:	Phoenix, 5-pin (in/out)
Operating temperature:	-10 °C to +50 °C (ambient temperature)

MECHANICAL PROPERTIES

Enclosure:	Aluminium profile consisting of two modules (bottom / top with internal wiring harness)
Grille:	Powder-coated perforated metal sheet
Standard colours (with silver lids): **(optional: lid in enclosure colour)**	RAL 9006 (aluminium), anodized RAL 9010 (white), silk matt RAL 9005 (black), silk matt
Dimensions (H x W x D):	1812 x 107 x 118 [mm]
Weight:	9.8 kg
Mounting option:	Other mounting accessories available.

*Under anechoic half-space conditions with DSP settings.
Frequency range: -10 dB under anechoic halfspace-conditions.

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PAN SPEAKER | PAN BEAM | PAN 2-LINE | PAN EVAC

PAN ACOUSTICS

TECHNICAL DATA PAN SPEAKER P 16-PI | (DG)

ACOUSTIC PROPERTIES

Configuration:	Passive line array
Frequency range:	80 Hz - 18 kHz
Equipment:	16 x 3.5” HQ
Rated power:	800 W ($peak_{20\ ms}$) / 600 W (programme) / 300 W (nominal)
Recommended amplifier:	DSP power amplifier
Sensitivity:	97 dB 1 W / 1 m
Maximum SPL:	132 dB* (peak) @ 1 m
Impedance:	4 ohms
Horizontal radiation pattern:	100°
Vertical radiation pattern:	10°
Connections:	Phoenix, 5-pin (in/out)
Operating temperature:	-10 °C to +50 °C (ambient temperature)

MECHANICAL PROPERTIES

Enclosure:	Aluminium profile (single enclosure)
Grille:	Powder-coated perforated metal sheet
Standard colours (with silver lids): (optional: lid in enclosure colour)	RAL 9006 (aluminium), anodized RAL 9010 (white), silk matt RAL 9005 (black), silk matt
Dimensions (H x W x D):	1806 x 107 x 118 [mm]
Weight:	9.8 kg
Mounting option:	Other mounting accessories available.

*Under anechoic half-space conditions with DSP settings.
Frequency range: -10 dB under anechoic halfspace-conditions.

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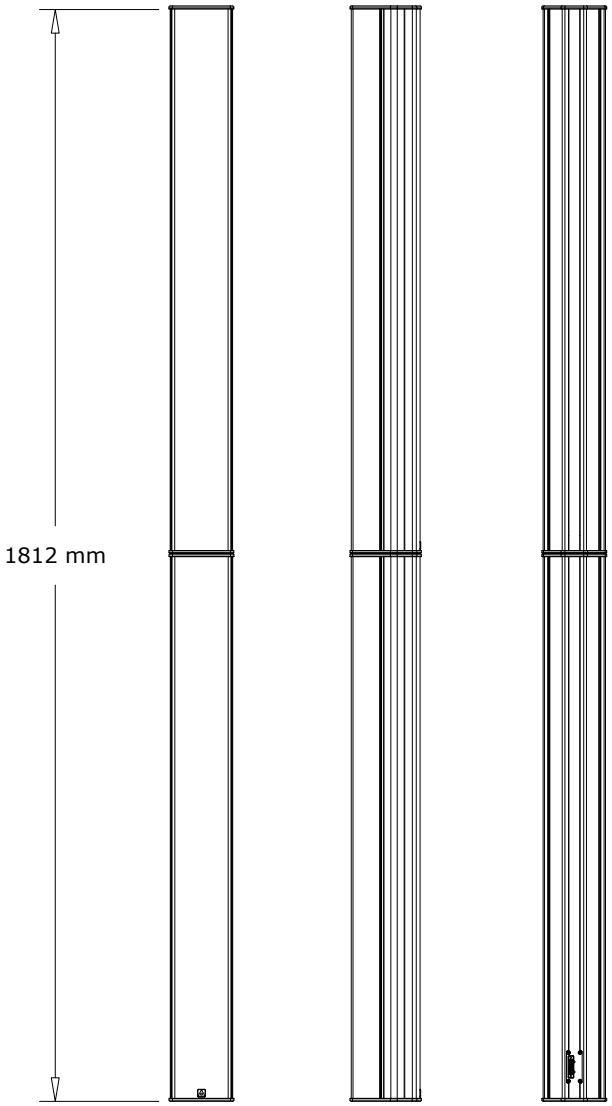
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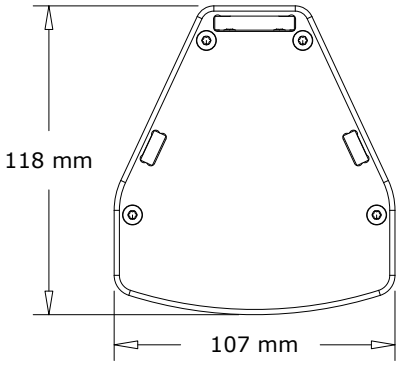
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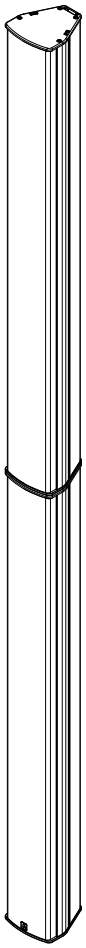
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TECHNICAL DRAWING P 16-PI







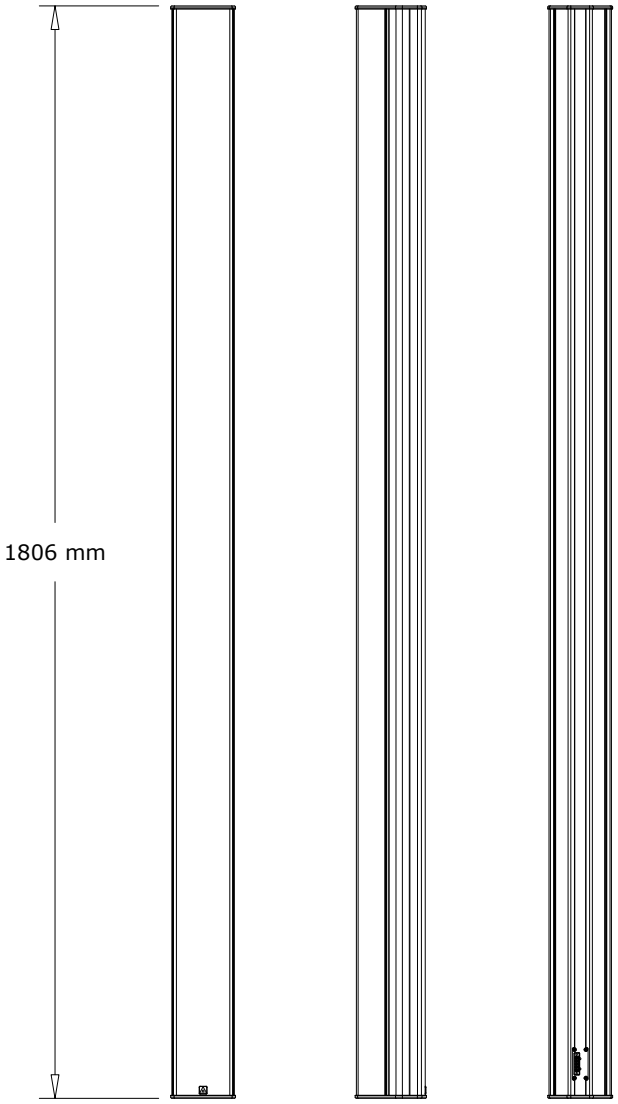
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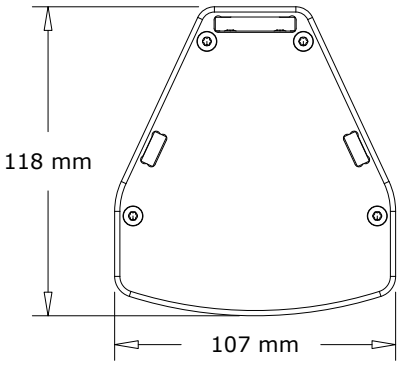
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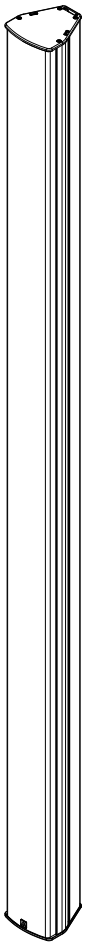
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TECHNICAL DRAWING P 16-PI (DG)







EQUIPMENT / OPTIONS AT GLANCE – PAN SPEAKER SERIES

Customised painting/colouring within the RAL colour range. Other colour systems such as RAL design, Pantone, etc. are available on request.

100 V audio inputs with selectable power taps.

Weatherproofing of the loudspeakers in accordance with protection classes IP54 or IP65 (depending on the model) is possible.

Looks good, sounds good.
Pan Acoustics' products are defined by natural sound and attractive design.

Made-to-measure enclosure
The enclosure dimensions of the Pan Speaker series can be customised.

Accessories such as wall, tripod and ceiling mounts, different interfaces, connection cables, weather protection hoods and connection sets are available.

Ball impact resistance

Some equipment features cannot be combined. For information about which features can be combined with each other, please send an e-mail to sales@pan-acoustics.de.

Our quality promise

Pan Acoustics stands by its products and gives up to **10 years warranty** on its loudspeakers for any material or manufacturing defects. New products manufactured in accordance with protection classes IP54 and IP65 as well as digital audio interfaces (Dante®) from Audinate Pty Ltd and rechargeable batteries are excluded from the 10-year warranty. A warranty period of 3 years is granted for loudspeakers in accordance with protection classes IP54 and IP65.



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