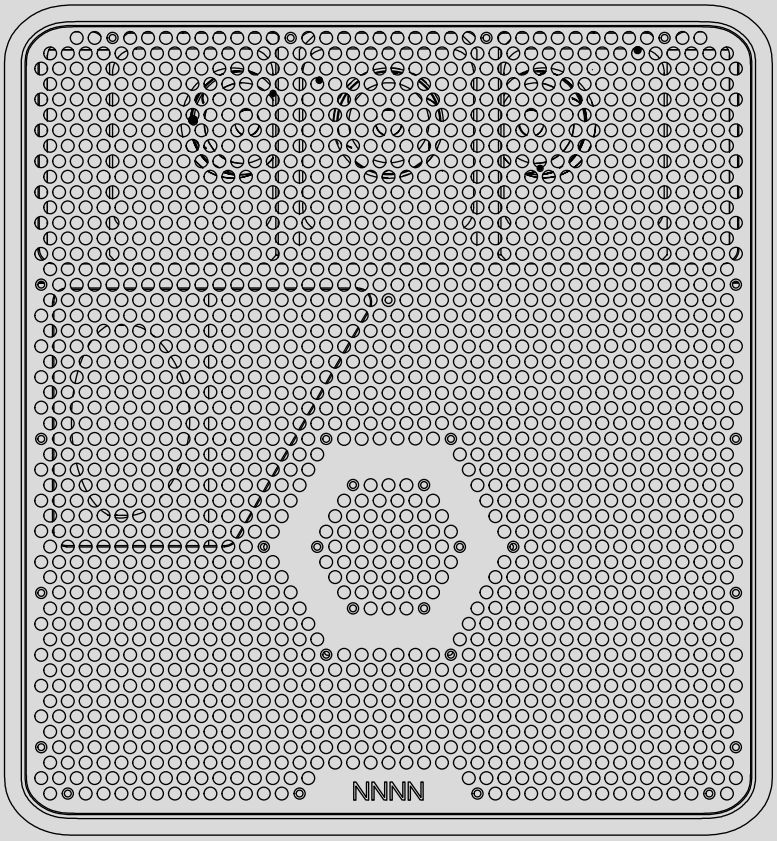
NNNN

Professional audio **EN**



Gage 70

Arrayable point source

V1.0

Gage 70 owner’s manual

Version 1.0
Updated versions uploaded to www.nnnn.no

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Keep this document with the product or
in safe storage so it is readily available if
needed.

This document should accompany the
product if it is ever resold.

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Safety

Personal injury

Never stand in the immediate vicinity of loudspeakers driven at a high level. Professional loudspeaker systems are capable of causing sound pressure levels detrimental to human health. Even seemingly non-critical sound levels (from approx. 95 dB SPL) can cause hearing damage if people are exposed to it over longer periods of time.

In order to prevent accidents when deploying loudspeakers on the ground or when flown, please take note of the following:

When setting up the loudspeakers or loudspeaker stands, make sure they are standing on a firm surface. If you place several systems on top of one another, use appropriate securing gear to prevent movement.

Only use accessories which have been tested and approved by NNNN for assembly and mobile deployment. Pay attention to the correct application and maximum load capacity of the accessories as detailed in our rigging manuals.

Ensure that all third party hardware, fixings and fasteners used for installation or mobile deployment are of an appropriate size and load safety factor. Pay attention to the manufacturers' instructions and to the relevant safety guidelines.

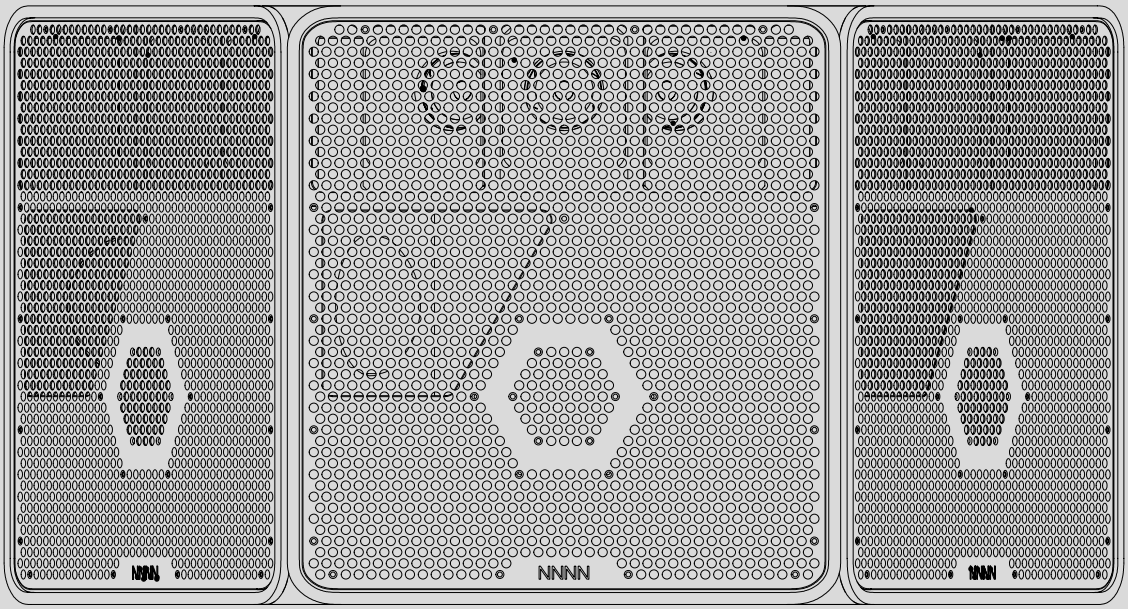
Be careful of pinching and other physical hazards when deploying or transporting equipment.

Regularly check the loudspeaker cabinets and accessories for visible signs of wear and tear, and replace them when necessary.

Regularly check all load bearing bolts in the mounting devices.

Material damage

Loudspeakers contain magnets which may damage electronic equipment such as hard drives, bank cards, and video monitors. Please store and transport such equipment separately or within appropriate distance to the loudspeakers.



Product Description

The GAGE 70 is an arrayable point source for small and medium sized applications where sound quality is prioritized over sound pressure level. It combines two 5.25” and three 3.5” in a horn loaded cabinet which provides directivity and controlled dispersion only previously possible with larger systems.

Countering feedback

The GAGE 70 is designed to eliminate audio feedback. The acoustic design provides acoustic energy per area lower than the feedback threshold of handheld microphones within practical distance to the speaker. This enables flexibility in installation and setups in small and medium sized venues with a seamless experience.

Controlled dispersion

The geometry of the horn limits the dispersion to 60 x 40 degrees, which is consistent throughout the range. This enables it to cover many venues with just one cabinet, but the GAGE 70 is also arrayable. Up to six cabinets can be combined to achieve dispersion angles in multiples of 60 degrees, up to a full circle, with seamless overlap.

Patented technology

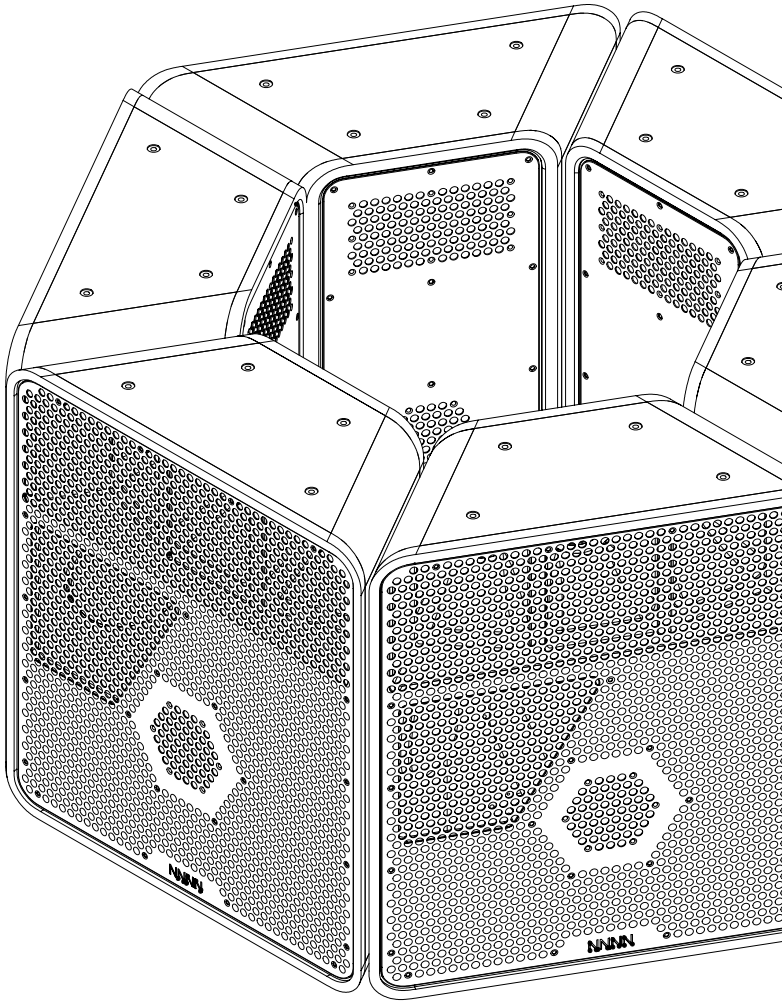
The patents employed in the GAGE 70 enable a high degree of directivity. The horn loading mechanism enables sensitivity, impulse response and distortion level without competition.

Deployment

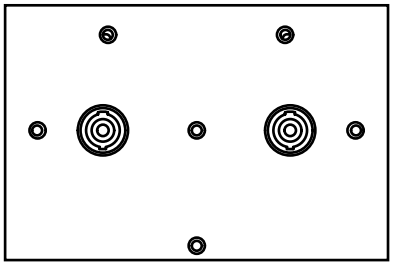
The GAGE 70 can be easily stacked, pole mounted or flown with NNNN accessories, allowing a flexibility of -30 to +10 degrees in 5 degree increments. The dispersion angles are perfectly aligned with the outer walls of the cabinet enabling visual confirmation of the dispersion field and minimal effort installation by aligning the walls of the cabinet and the venue. This limits reverberations and thus improves clarity and increases critical distance.

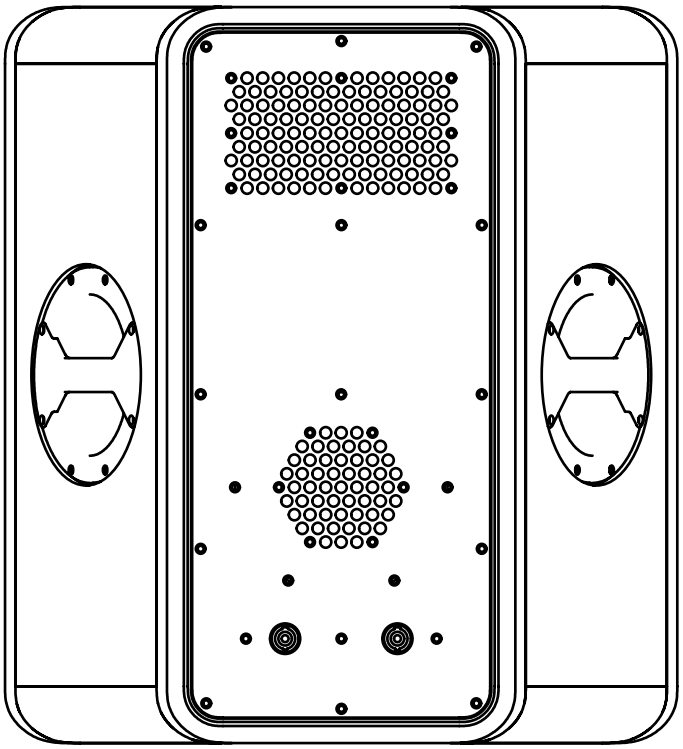
Materials

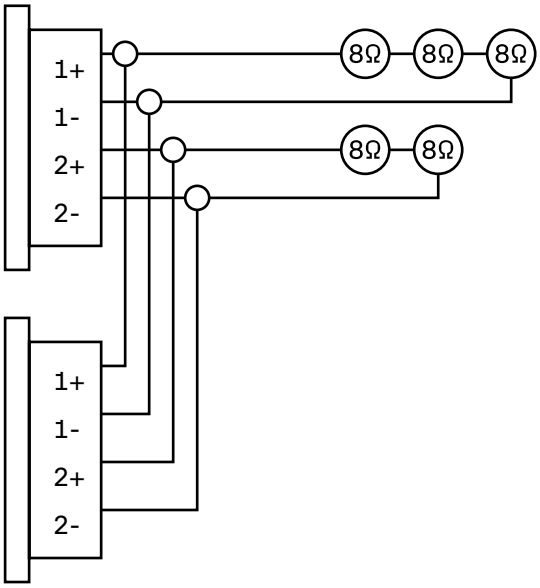
The GAGE 70 is designed to be light and maneuverable. It is made of birch plywood that is covered with a weather, scratch, and impact resistant polyurethane coating. The grilles, handles and input panel are made of coated aluminium.



SpeakON© 4 pole







Electroacoustics

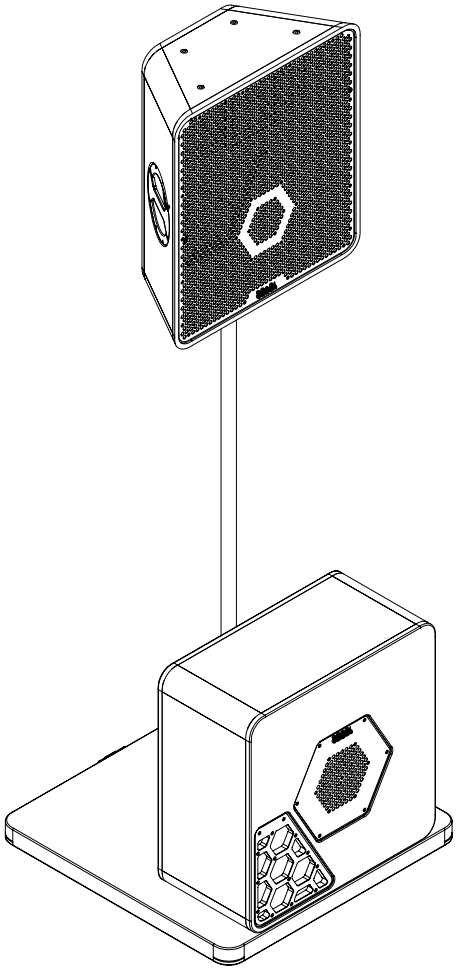
Incorporated into the back grille are two Neutrik SpeakON 4 pole connectors. All four pins of both connectors are wired in parallel with pins 1+/1- connected to the high frequency drivers and pins 2+/2- connected to the woofers. While using one of the connectors as input, the second can be used to interconnect several cabinets.

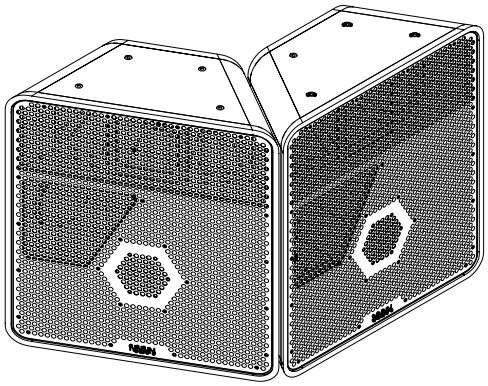
Operation

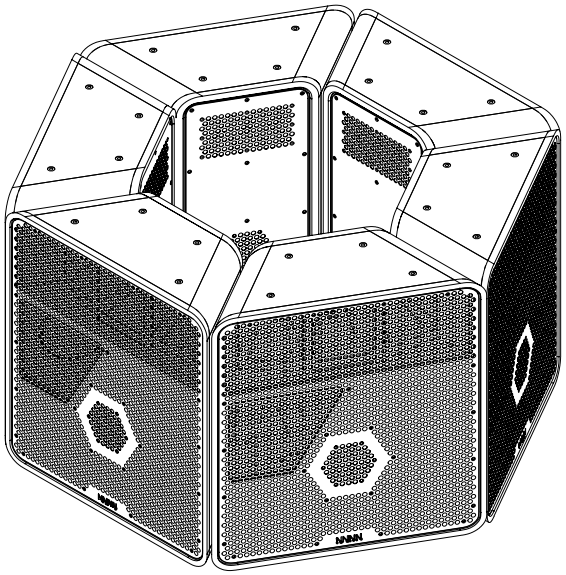
The GAGE 70 is a 2-way cabinet that can be driven by any Powersoft amplifier with a NNNN preset or amplifiers with at least two output channels of an appropriate capacity and the NNNN preset loaded into its DSP/ external DSP, any of these solutions must be wired into a SpeakON 4 pole connection. Updated Powersoft amplifiers include presets for the GAGE 70 in several different setups, which can be accessed through the native menu Speaker preset > NNNN > Gage > Gage 70. A detailed description of the operation of Powersoft amplifiers can be found in the Powersoft Quick Guides.

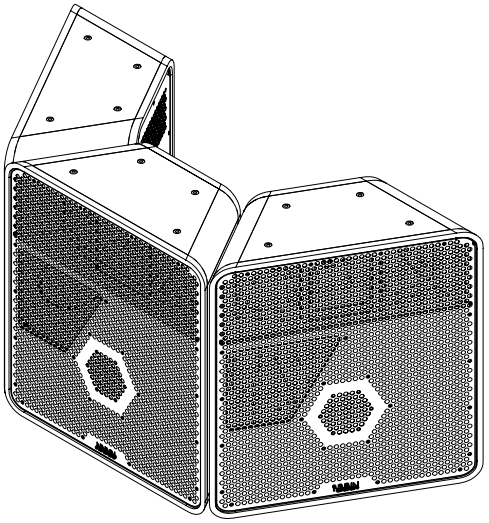
Applications

The GAGE 70 can be used as a stand-alone system for smaller venues, arrayed for wider applications up to 360 degree scenes, and combined with the Devor series for applications requiring more low frequency extension.

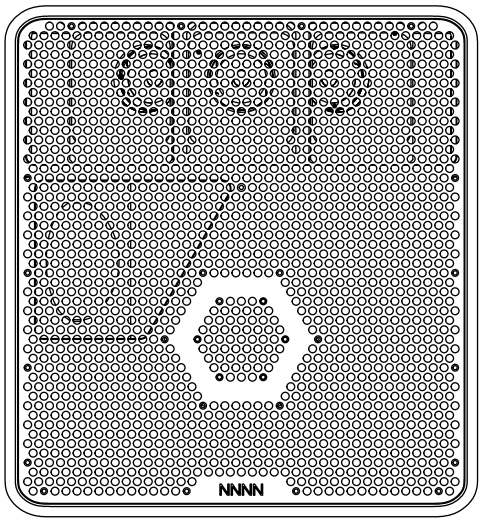








Specifications Gage 70



System data

Frequency response	70 - 16000 Hz
Max cont. SPL (1m, 2Pi)	120 dB
Nominal Horisontal spread	60°
Nominal vertical spread	40°

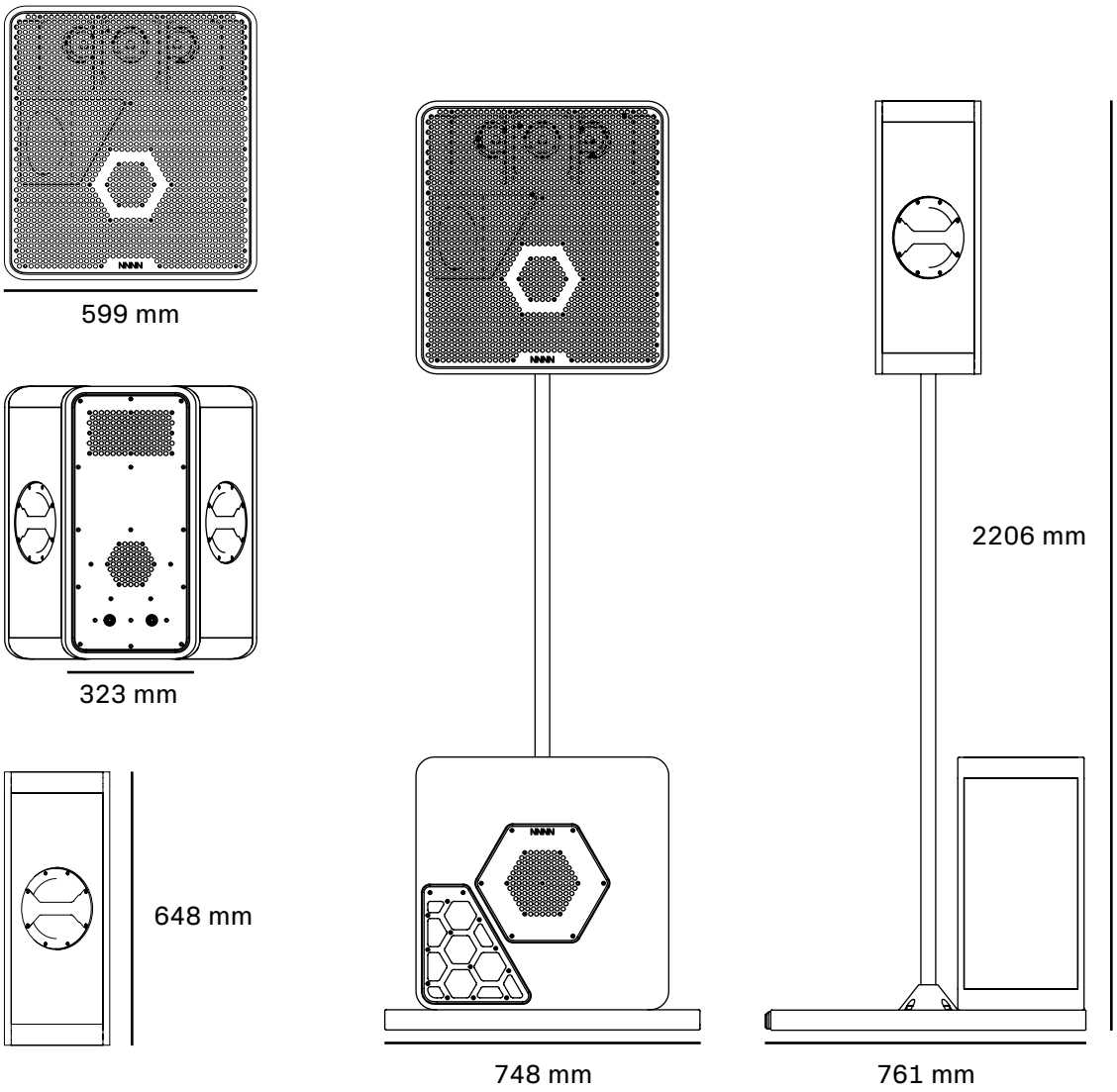
Loudspeaker data

Nominal impedance (front/rear)	High frequency 24 ohms
	Low frequency 16 ohms
Power handling capacity (cont./peak)	480 / 960 W
Connections	2 × SpeakON® 8 pole (4+ / 4-)
Components	2 × 5.25”
	3 × 3.5”

Physical data

Height	648 mm / 25.5”
Width	599 mm / 23.6”
Depth	250 mm / 9.8”
Weight	21.5 kg / 47.4 lbs

Dimensions



CE

EU conformity

This declaration applies to loudspeakers manufactured by NNNN AS. A more detailed document may be found at nnnn.no.

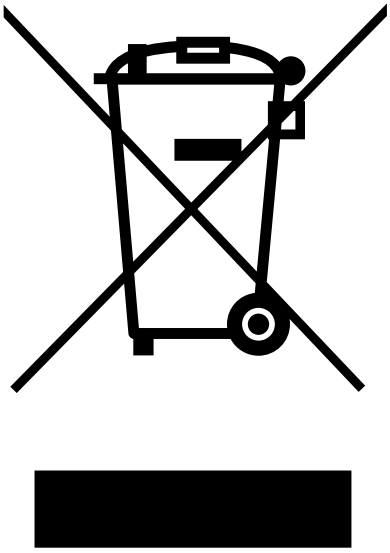
NNNN AS declares that all versions of the following product(s):

NNNN Gage 70

We declare that these product(s) are in conformity with the provisions of the respective EC directives including all applicable amendments.

2014/35/EU, Low Voltage Directive
2011/65/EU, RoHS

NNNN AS accept responsibility for this declaration

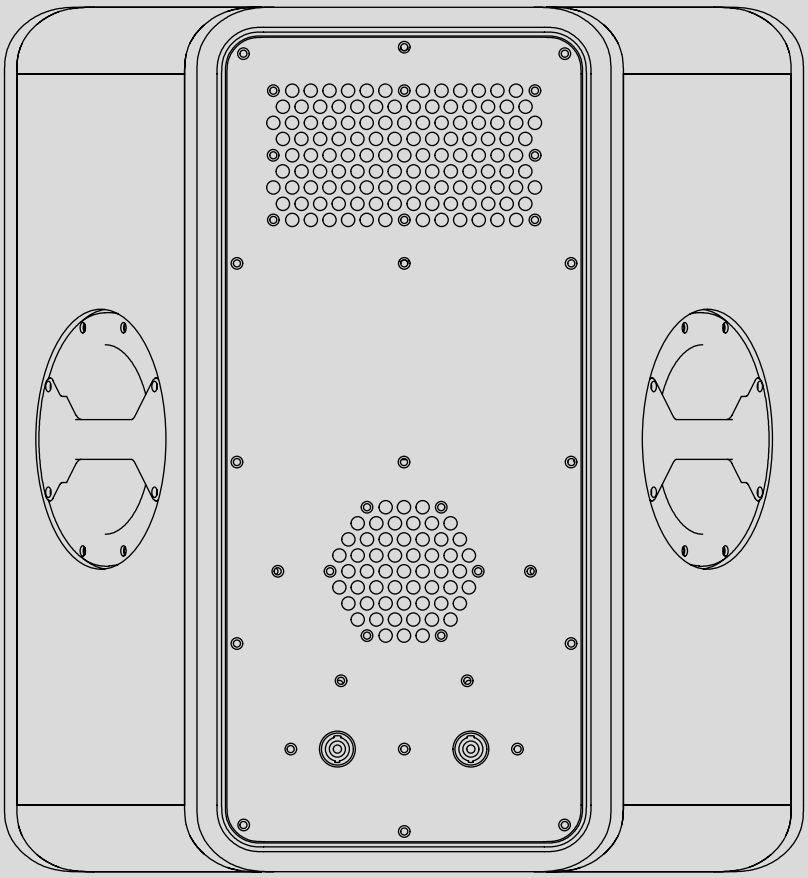


WEEE statement

Electrical and electronic equipment must be disposed of separately from normal waste at the end of its operational lifetime. Please dispose of this product according to the respective national regulations or contractual agreements. If there are any further questions concerning the disposal of this product, please contact NNNN.

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