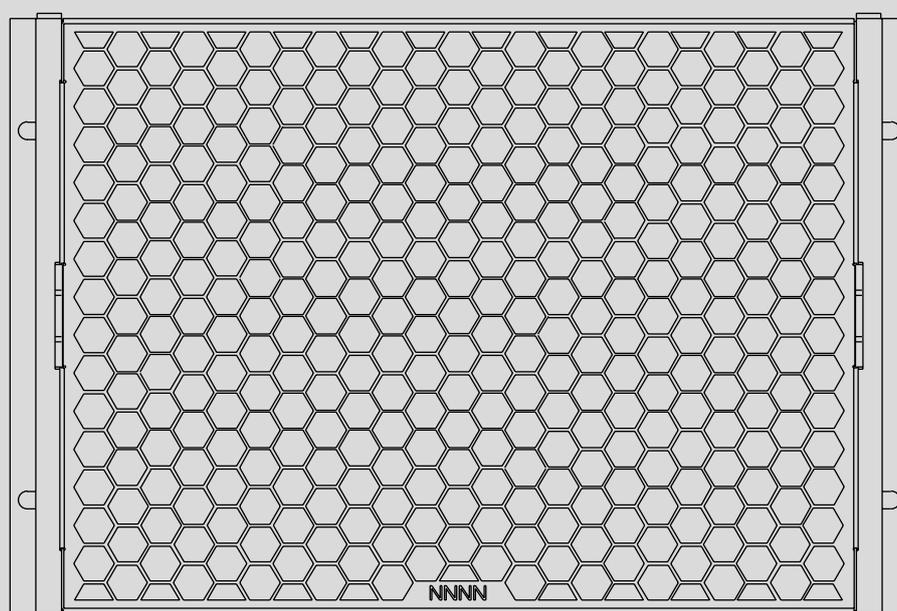


NNNN

Professional audio EN



TRADA 30

Concert subwoofer

V1.0

TRADA 30 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

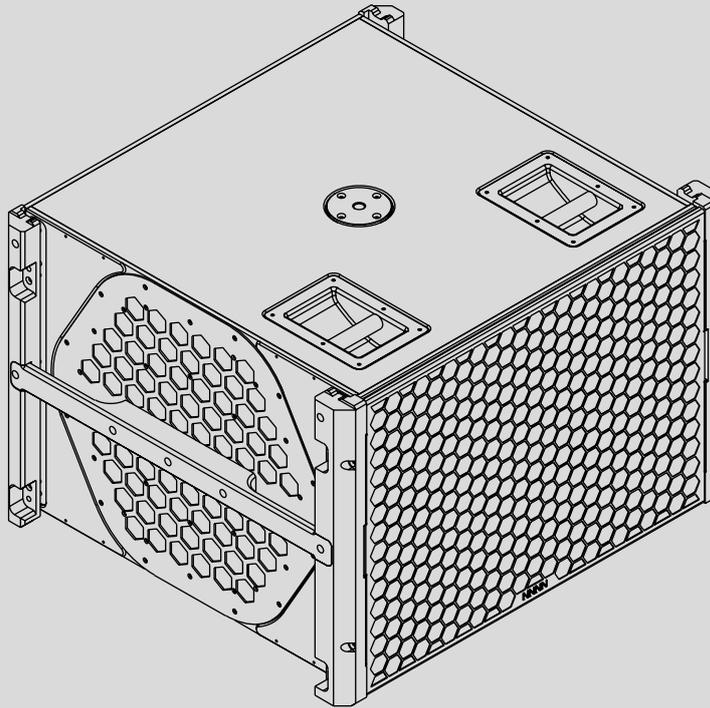
Loudspeakers contain magnets which may damage electronic equipment such as hard drives, bank cards, and video monitors. Please store and transport such equipment separately or within appropriate distance to the loudspeakers.

Do not use this equipment near water.

Do not block any ventilation openings.

Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus that produce heat.

Refer all servicing to qualified NNNN service personnel.



Product Description

The Trada 30 is a touring grade subwoofer that can be used in any touring applications and even most installations due to its flyware. A fairly complex horn design enables loading down to 30Hz even standalone. It incorporates a single 21" driver in a horn loaded cabinet which provides directivity and controlled dispersion. Implemented in the design are features tailored for long distance projection of sound which can be utilized when combining Trada 30 boxes in a system of subwoofers.

Smaller is better

The TRADA 30 matches other reference class subwoofers in terms of SPL, but does so with a smaller and more practical form factor and with less distortion. This provides a lot more flexibility in application, as the TRADA 30 can just as well be set up with a GAGE 125 for small, GRAFT 130 for moderately large, and as a top of the line rig with GRAFT 40 for stadium sized venues.

More than the sum of its parts

Unlike typical subwoofers, where adding multiple modules will decrease the overall efficiency, multiple TRADA 30s achieve an audio summation that is exponential, as well as achieving a higher degree of directivity. Stacking multiple TRADA 30 is done in pairs to also achieve force cancellation.

Patented technology

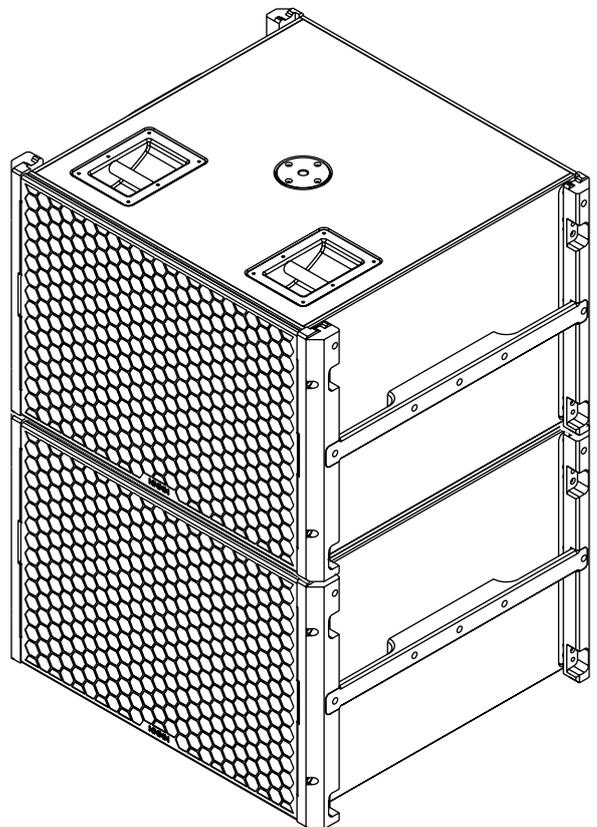
The patents employed in the TRADA 30 enable a high degree of directivity. The horn loading mechanism that enables sensitivity, impulse response and distortion level that is without competition.

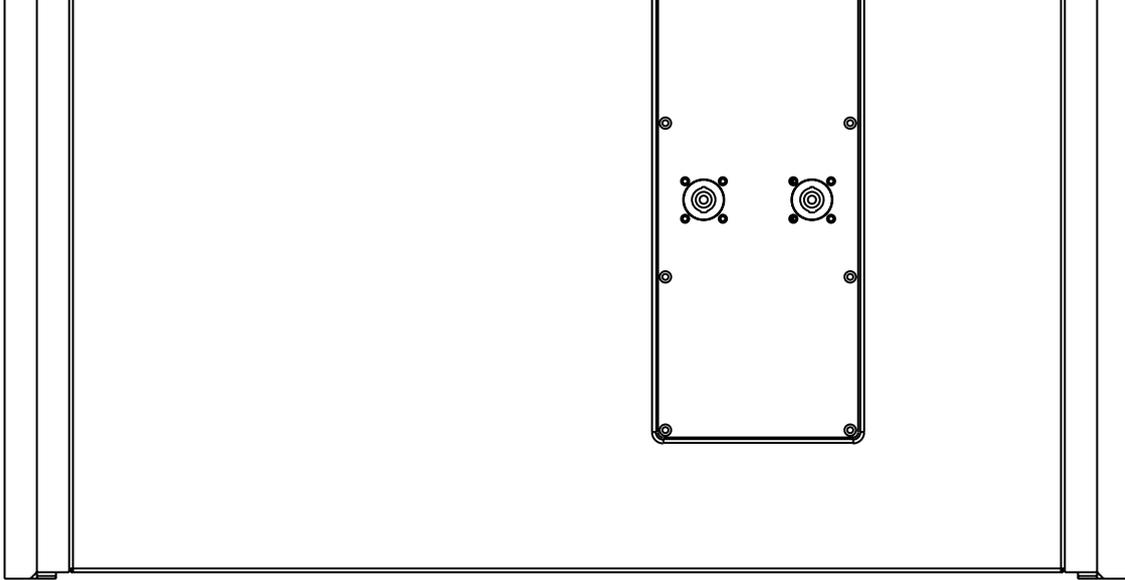
Deployment

TRADA 30 is designed to be flown with GRAFT 130, and the combination of the two provide the most flexibility and disruptive cost efficiencies for rental and touring operations. As an added benefit to this product combination, the transportation carriage for the GRAFT 130 works as a horn extension for a TRADA 30 pair. This extends the low frequency response down to 30Hz (-3dB)

Materials

The TRADA 30 is made of spruce plywood coated with a weather, scratch, and impact resistant polyurethane coating. The grilles and rear panel are coated aluminium.

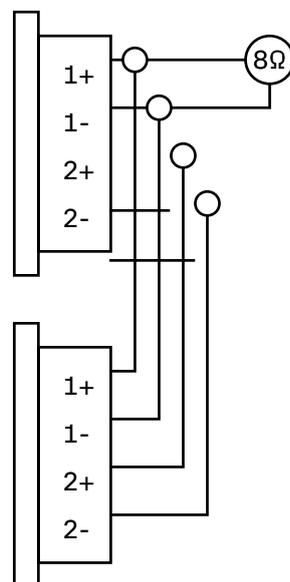
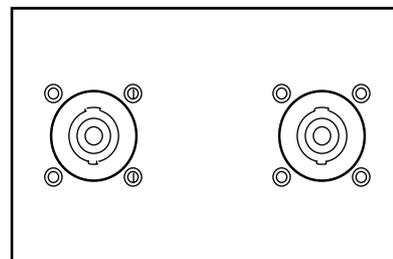




Electroacoustics

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

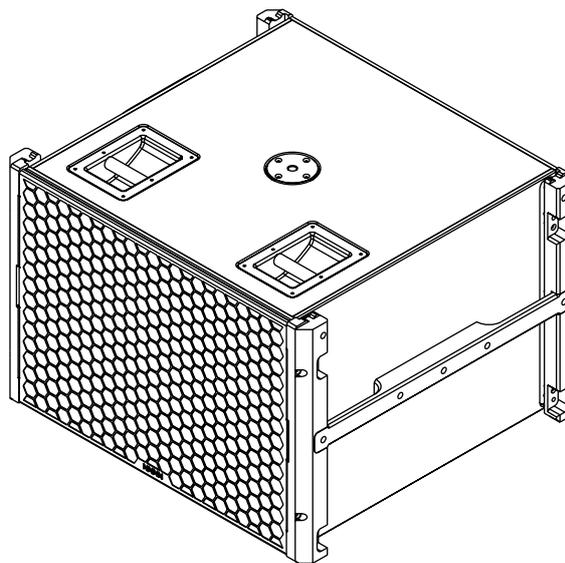
SpeakON® 4 pole



Operation

The TRADA 30 is a subwoofer 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 TRADA 30 in several different setups, which can be accessed through the native menu Speaker preset > NNNN > Trada > Trada 30. A detailed description of the operation of Powersoft amplifiers can be found in the Powersoft Quick Guides.

Specifications TRADA 30



System data

Frequency response \pm 3dB	30 - 200 Hz
Max cont. SPL (1m, 2Pi)	137 dB

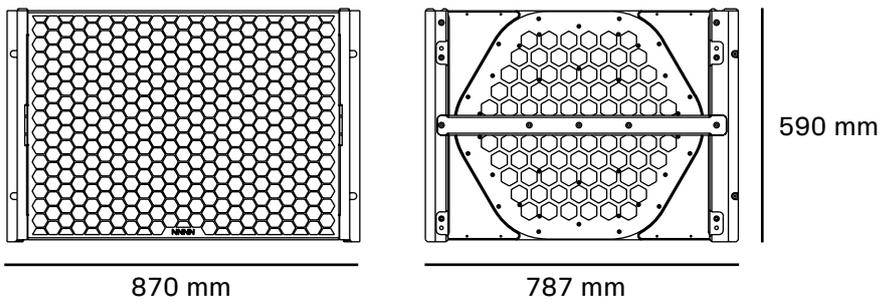
Loudspeaker data

Nominal impedance front/rear	8 ohms
Power handling capacity (cont./peak)	1800 W
Connections	2 \times SpeakON [®] 4 pole
Components	1 \times 21"

Physical data

Height	590 mm / 23.3"
Width	870 mm / 34.3"
Depth	787 mm / 31.0"
Weight	76 kg / 167.6 lbs

Measurements





EU conformity

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

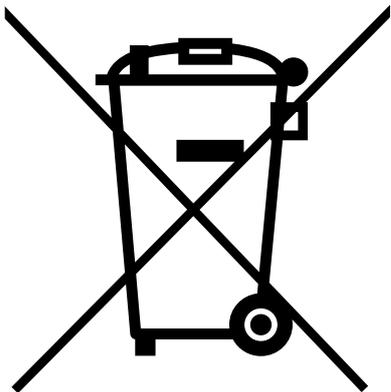
NNNN AS declares that all versions of the following product(s):

NNNN Trada 30

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

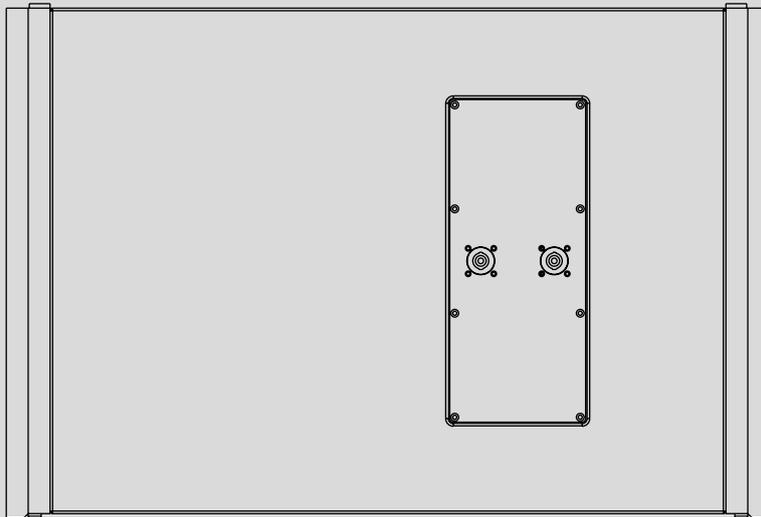


WEEE statement

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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