

DENON

PROFESSIONAL

Line array speaker system

DN-VT14 DN-VS15

DENON

PROFESSIONAL



Before connecting and using this product, please read this manual carefully for proper operation.
This manual is an integral part of this product
The product must be installed in accordance with the manual and relevant safety precautions.

FLYING OR MOUNTING THE DN ENCLOSURE

CAUTION: Before attempting to suspend this speaker, consult with a certified structural engineer. Speaker can fall from improper suspension, resulting in serious injury and property damage. Do not suspend or mount any other product or device from this enclosure! Use only the correct mating hardware. All associated rigging is the responsibility of others.

This DENON® loudspeaker should be suspended overhead only in accordance with the procedures and limitations specified in the User's Manual and possible manual update notices. This system should be suspended with certified rigging hardware by an authorized rigging professional and in compliance with local, provincial or national suspension ordinances.

Before you fly the array, be sure to inspect the rigging and flying hardware to insure that it is mechanically sound and has not been damaged. There should be no significant distortion of the shape of the Halo coupling ears, cabinet straps, Angle Slider bracket or Rail, Pivot Bar or a fly bar, and the hardware should be checked for tightness.

DN-VT14

DENON® DN-VT14 line array speaker system consists of two 6.5" neodymium magnet woofers and a 1.4" neodymium magnet compression driver with a highly flexible rigging system. Designed to provide modular coverage of small to medium venues and intended for use with the companion DN-VS15 sub, the DN-VT14 offers extreme versatility and high performance.

The adjustable rigging system provides for a classic straight line array configuration, or a number of different angling options, providing easy aiming of the system. Angles between the array modules is adjustable from 0° (straight), to 10°. Total maximum angle between two cabinets is 10°.

Quick release pins are supplied with the rigging hardware to couple the DN-VT14 modules together and set the angles between them for quick and easy field adjustments or re-configurations of a line array.

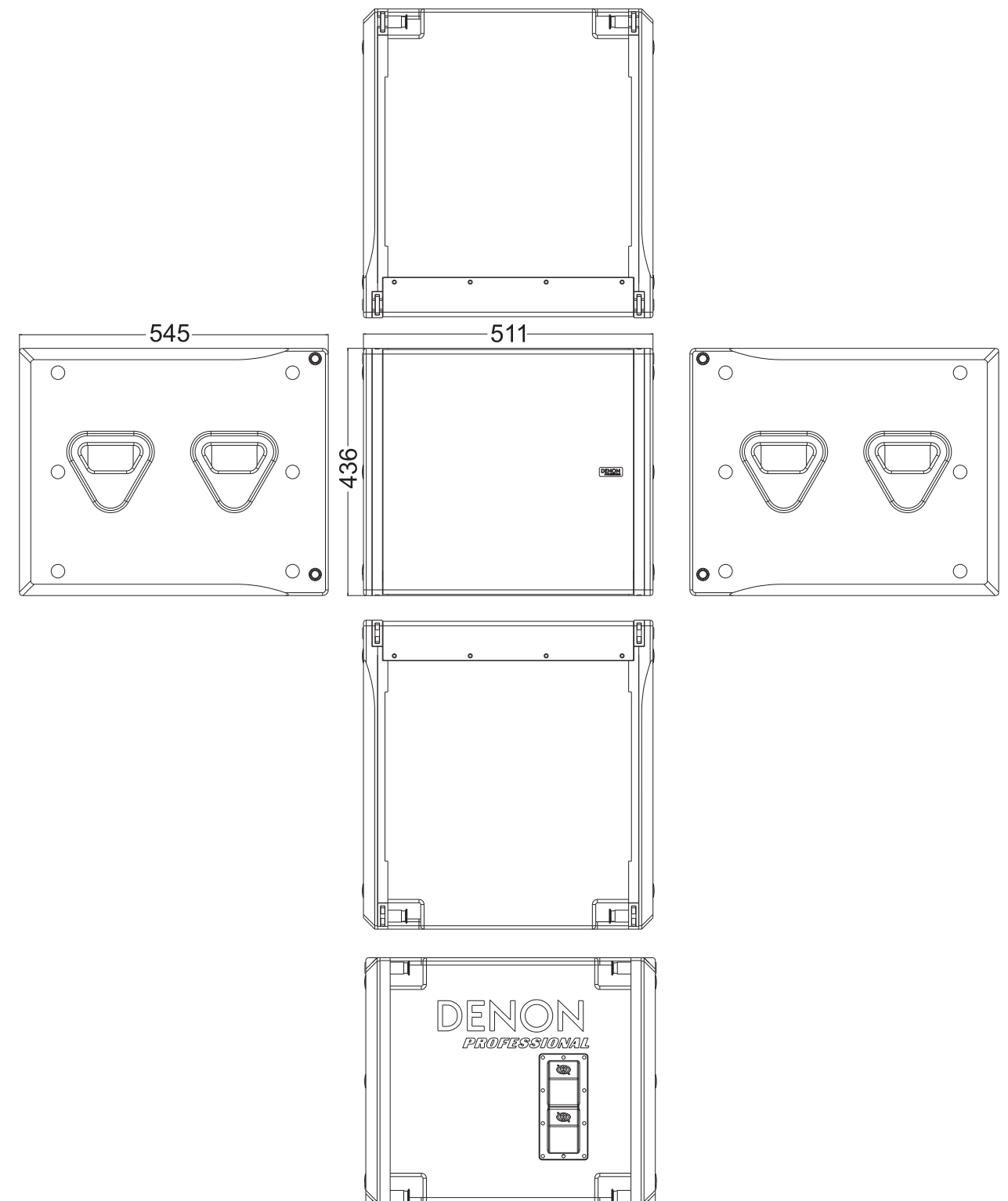
DN-VS15

The DENON® DN-VS15 Sub incorporates the ultra-high power 15" neodymium magnet woofer into a new compact cabinet design. DN-VS15 can provide a rated power of 600W, and a program of 1200W. DN-VS15 input connections are made using two Neutrik® Speakon 4-pin jacks in parallel.

DN-VT14 line array system with DN-VS15 subwoofer combination lifting, suitable for permanent fixed installation of small lecture halls, small bars and other places.

DN-VS15

DIMENSIONS (Unit: mm)



DN-VS15

FEATURES

- 1x15" neodymium magnet woofer
- Compact design
- Ergonomic handles are designed on both sides
- 600 wat continuous, 1200 watt program, 2400 watt peak power handling
- Inputs are two Neutrik®Speakon® 4-pin jacks in parallel
- 18mm birch plywood construction

DN-VS15 SPECIFICATIONS

- Type: 15 inch subwoofer
- Continuous power: 600W
- Program power: 1200W
- Impedance: 8 OHMS
- Sensitivity (1W@1m): 97 dB
- Maximum sound pressure level (1 meter): 125 dB @600W (128 dB @1200W Program)
- Frequency response (-10dB): 40 Hz—400Hz
- Transducer complement: 1 x 15" woofer 4" VC (100mm)
- Input connections: NI4 4-pin jack × 2 PIN 1+2+ = (+) POSITIVE
PIN 1-2- = (-) NEGATIVE
PINS 1±/2± PARALLEL
- Cabinet material: 18mm (0.7") plywood
- Surface treatment: Black polyurea paint
- Dimensions: H 436mm x W 511mm x D 545mm
H 17.17" x W 20.12" x D 20.46"
H 515mm x W 615mm x D 585mm
H 20.28" x W 24.21" x D 23.03"
- Packing size: H 515mm x W 615mm x D 585mm
H 20.28" x W 24.21" x D 23.03"
- Net Weight: 37.45kg (82.56lbs)

* Specifications subject to change without notice.

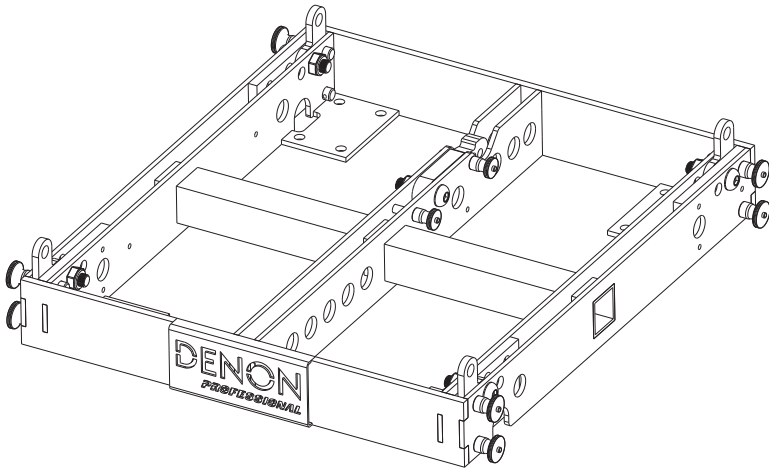
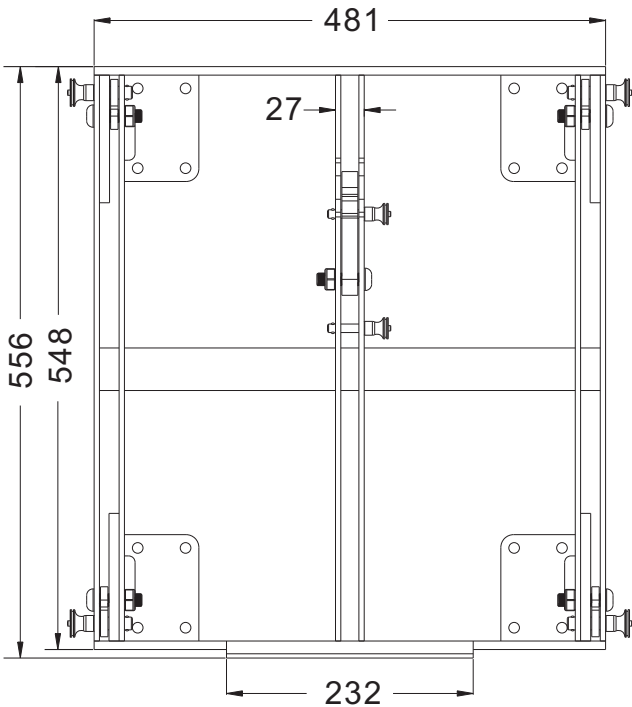
DN-VT14 DN-VS15 ATTACHMENT LIST

Item/No.	NAME	QTY(pcs)
1	Owner manual	1
2	Warranty card	1

DN-VT14 DN-VS15 ARRAY FRAME

SPECIFICATIONS:

Halo Only Dimensions H x W x D:
3.15" x 18.94" x 21.89" (70mm x 481mm x 556mm)
Weight: 38.93lbs./17.66kg



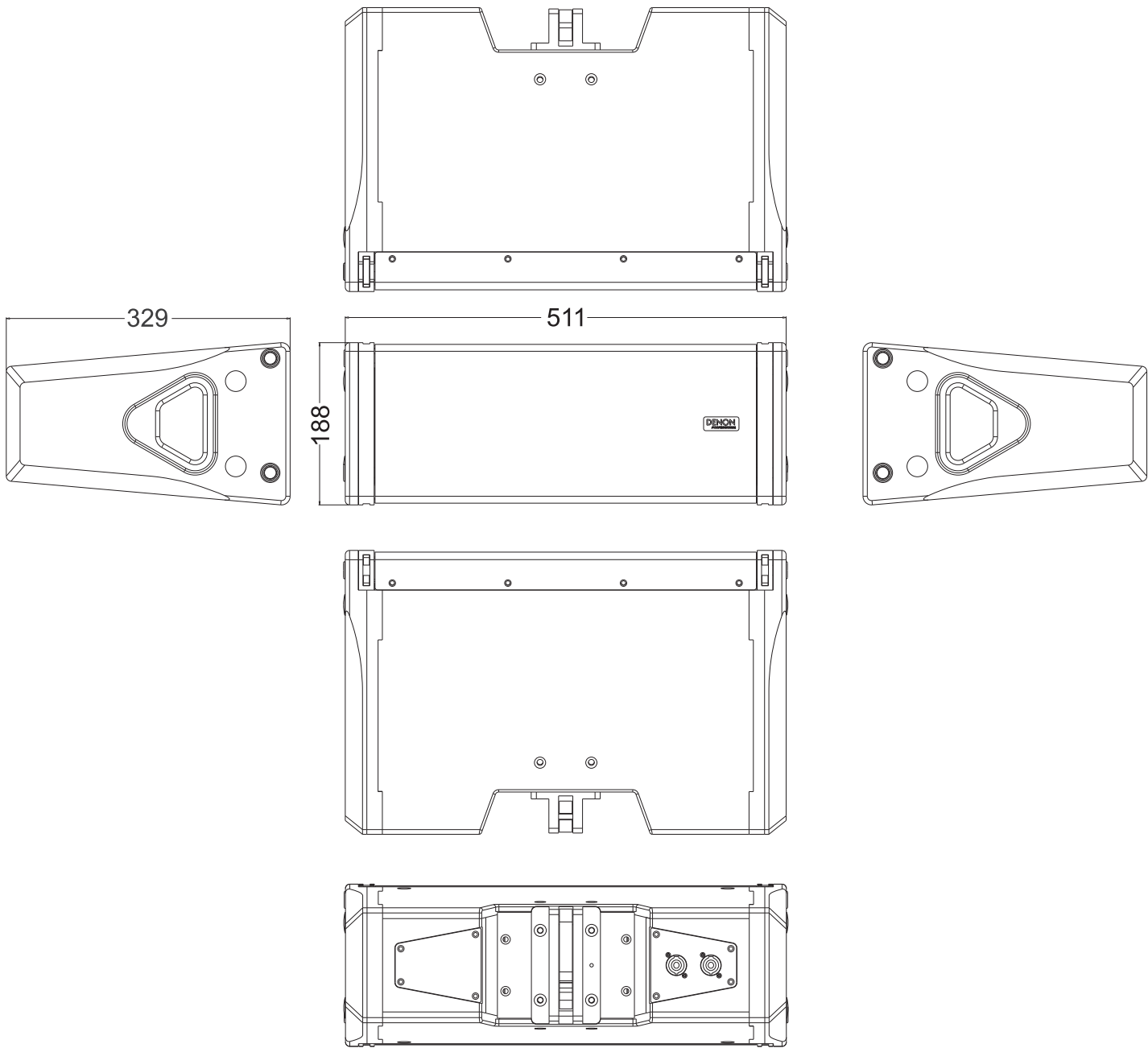
Brand	Model	Weight	10:1 safety ratio test Number of hanging speakers	Tensile test standard	Result	Normal application, the maximum number of hanging speakers
				10:1 safety ratio		
DENON	DN-VT14	15.25kg	16	2.44T	PASS 1. The frame has no obvious deformation and damage; 2. The hardware on the speaker is not deformed, The speaker cabinet is not damaged; 3. All fixed pins have no obvious deformation and bending, and can be pulled out normally.	15
	DN-VS15	37.45kg	/	2.44T		6

Maximum Combined Number of DN-VT14 and DN-VS15 Sub cabinets:
MIX OF SUBS VERSUS 2-Ways

Subs	2-Ways
0	15
1	12
2	10
3	7
4	5
5	2
6	0

DN-VT14

DIMENSIONS (Unit: mm)



DN-VT14

FEATURES:

- 2-way Bi-Amp Line Source Array System
- 2x6.5"neodymium magnet woofers
- 280 watt continuous,560 watt program, 1120 watt peak power handling
- 110° H by 10° V coverage pattern (per one cabinet)
- Easy aiming angle adjustment rigging system
- Inputs are two Neutrik® Speakon® 4-pin jacks in parallel
- 15mm birch plywood construction

DN-VT14 SPECIFICATIONS

system acoustic performace

- Type:
- Impedance:
- Continuous power:
- Max SPL Long-term:
- Max SPL Peak:
- -10dB Response (Full Range mode) :

High Frequency Section

- Impedance:
- Continuous power:
- Acoustic Design:
- High Horn Coverage Horizontal / Vertical:
- Throat Exit Diameter:
- -10dB Response (Full Range mode):

Mid-Bass Section

- Impedance:
- Continuous power:
- -10dB Response (Full Range mode):
- Woofer Size :
- Magnet Type:

Speaker Input

- Speaker Input:

Speaker Output

- Speaker Output:

Cabinet

- Cabinet Material:
- Color:

Physical Dimensions

- Dimensions:

- Net Weight:

* Specifications subject to change without notice.

2-way Bi-Amp Line Source Array System
16 Ohms
280W
122dB
128dB
80Hz to 18kHz

16 Ohms
80W
Horn Loaded
110° x 10°
1 x 1.4"
900Hz to 18kHz

16 Ohms
200W
80Hz to 4kHz
2x 6.5"
Neodymium

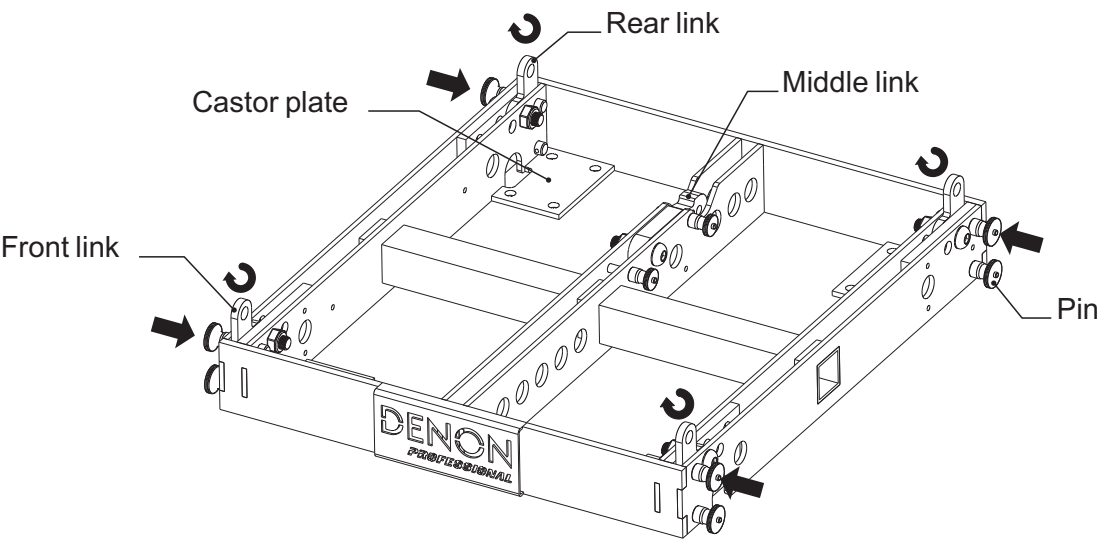
Speakon NI4x2 Pin 1+ LF+/1- LF-
Speakon NI4x2 Pin 2+ HF+/2- HF-

Speakon NI4x2 Pin 1+ LF+/1- LF-
Speakon NI4x2 Pin 2+ HF+/2- HF-

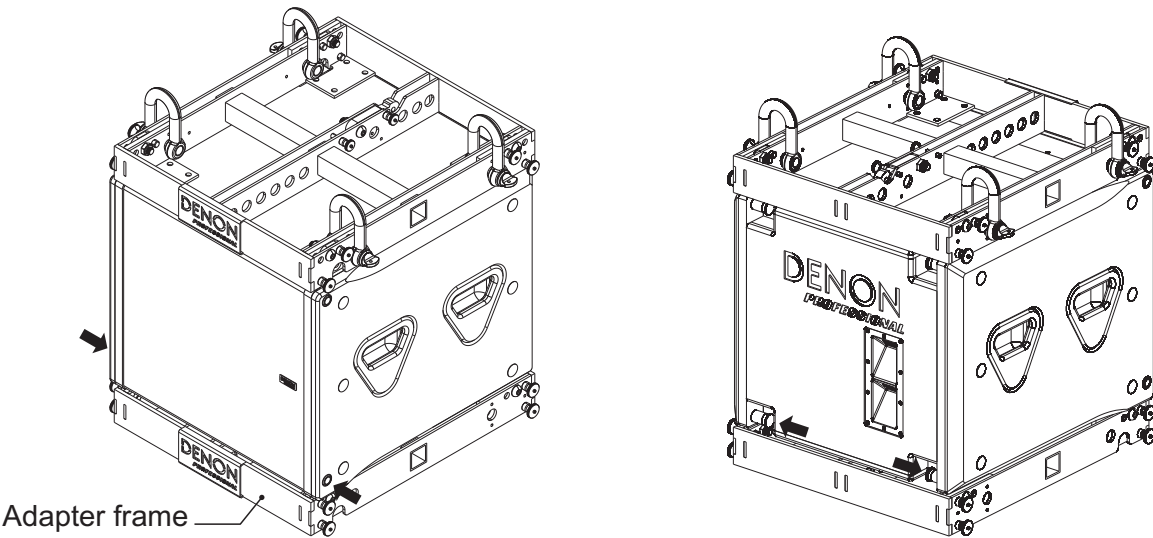
15mm (0.6") plywood
Black polyurea paint

H 188mm x W 511mm x D 329mm
H 7.4" x W 20.12" x D 13"
15.25kg (33.62lbs)

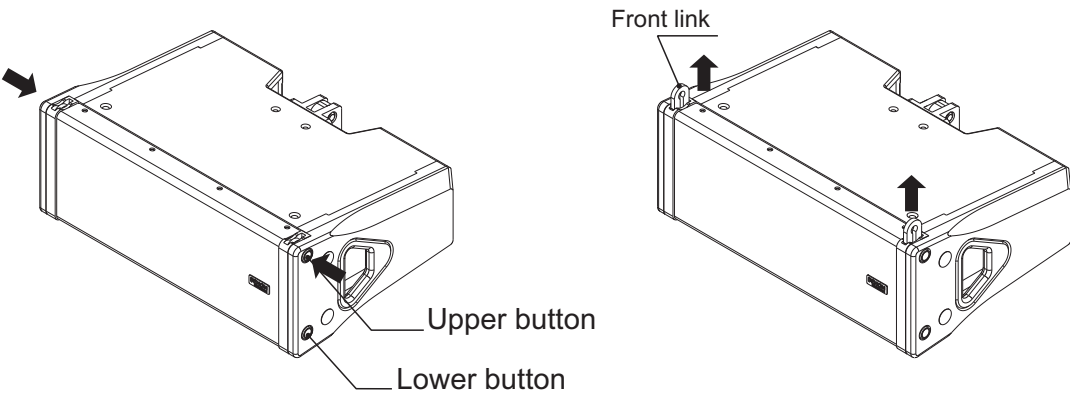
5. Raise each of the four corner links on the array frame (adapter frame) by removing the pins as shown



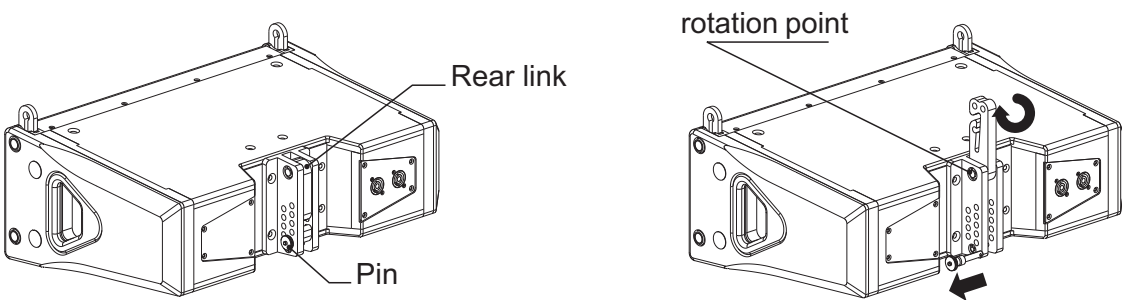
6. Attach the array frame (adapter frame) to the subwoofer



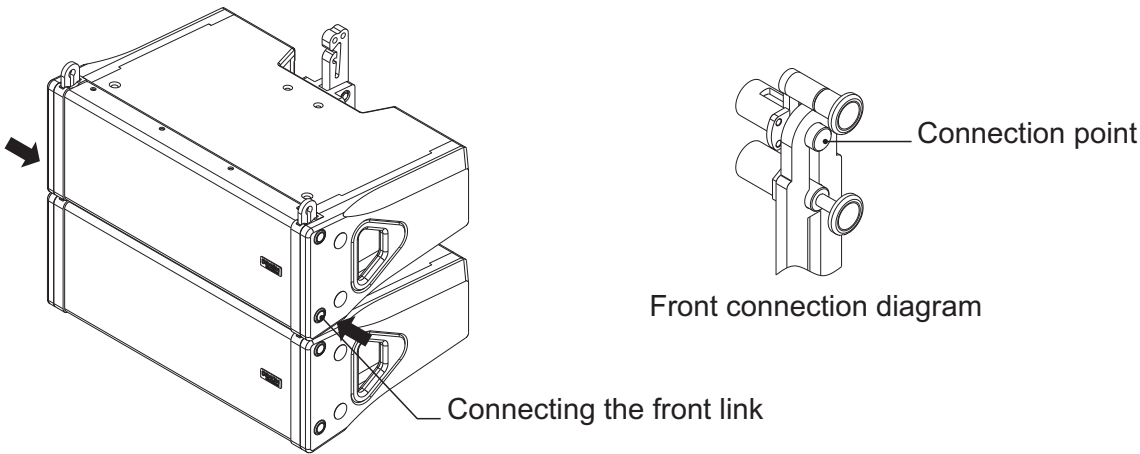
7. Press down the buttons on each side of the full-range speaker to eject the front link



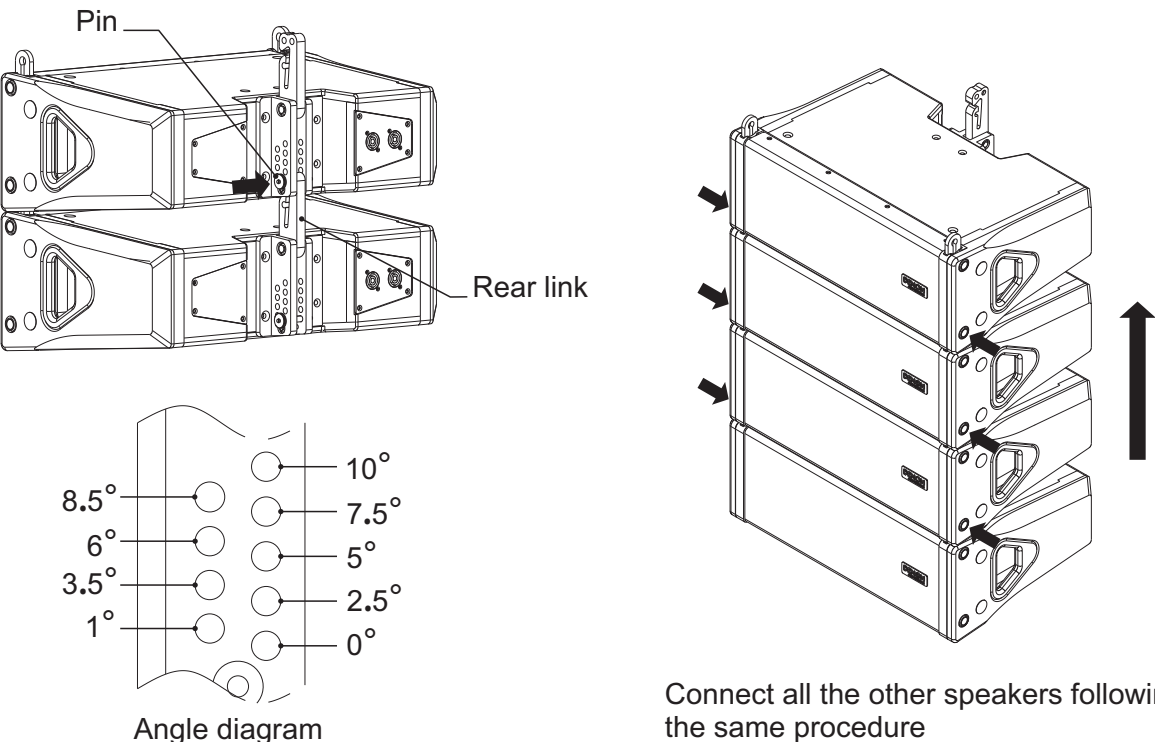
8. Raise the rear link on the speaker by removing the pin.



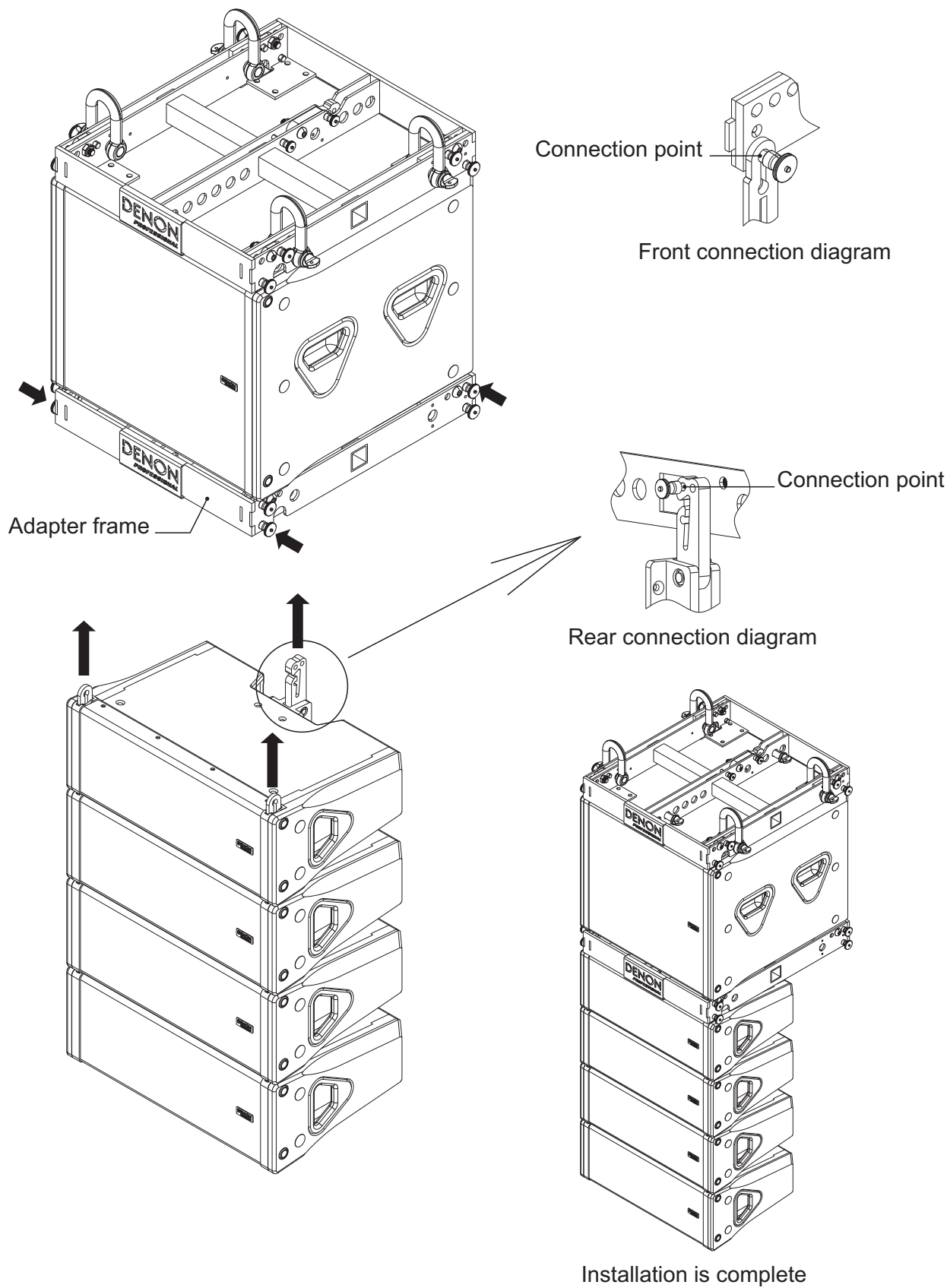
9. Press down the lower button on each side to attach two speakers



10. Adjust the required angle then insert the pin to fix the rear link

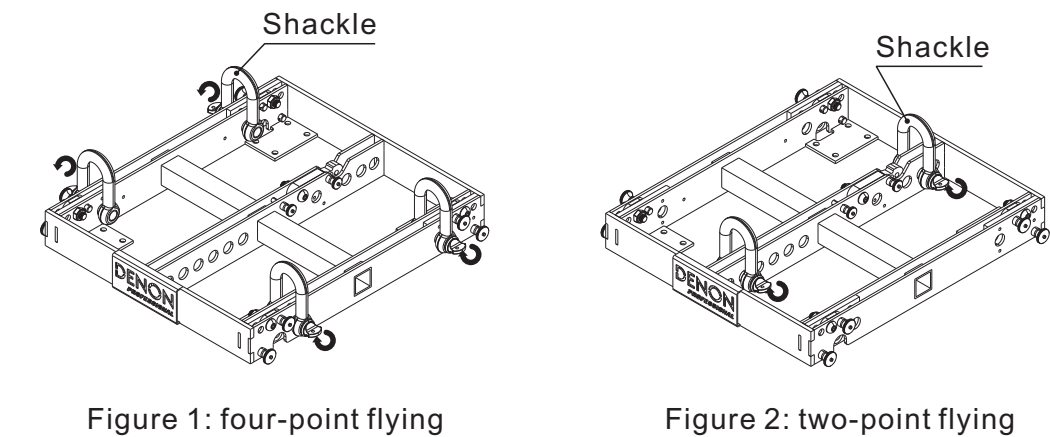


11. Connect the subwoofer to the full-range speakers

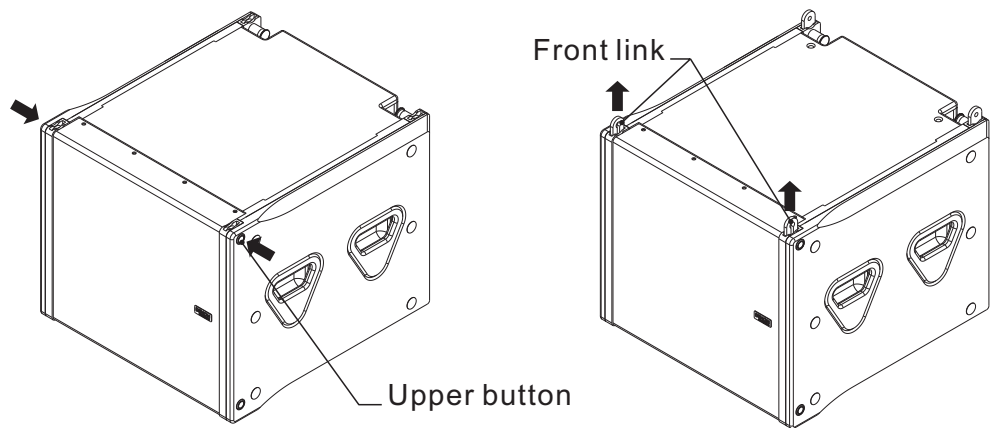


INSTALLATION DIAGRAM OF DN SERIES LINEAR ARRAY SPEAKER SYSTEM

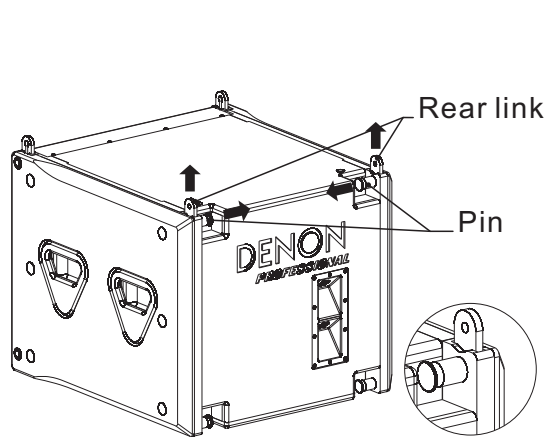
1. Array frame
Installation method of the shackle (Two ways to fix the shackle according to practical application)



2. Press down the button on each side of the subwoofer to eject the front link



3. Pull out the rear pins to eject the rear links



4. Insert the pins to attach the subwoofer to the frame

