



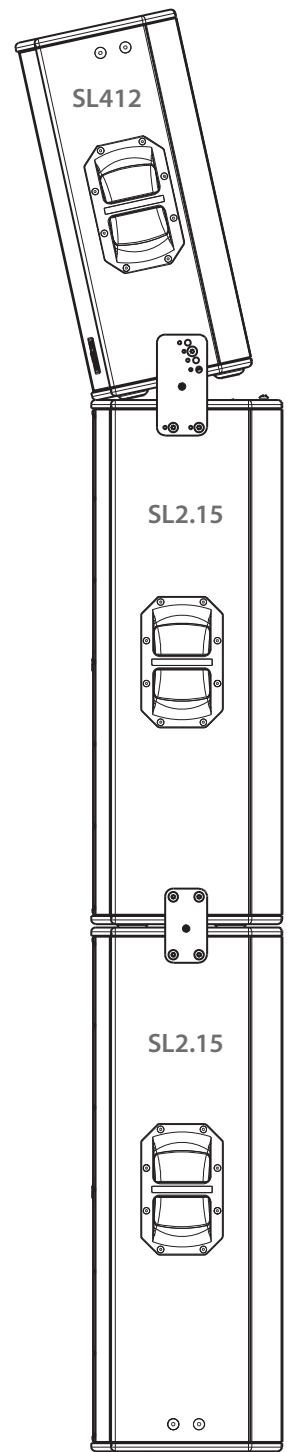
SL Brackets User Guide

- Introduction
- Safety Warning
- Parts & Components
- Instructions

The future of sound. Made perfectly clear.

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Introduction

This manual is presented by KV2 Audio, to enable the clear and precise instructions for the safe practice and execution and vertical ground stacking of the SL Loudspeaker products, using the SL BRACKETS.

It is vitally important that operators and users familiarize themselves with all of the components, parts, products and safety instructions, as described and indicated within this document, before attempting any stacking of the SL systems.

The SL Loudspeaker enclosures are designed with integral suspension points to facilitate secure vertical stacking as well as flying and rigging, providing that no modifications or external parts are substituted, and that all instructions are adhered to at all times.

KV2 Audio s.r.o operates a continuing process policy of attaining and improving standards. This means that instructions and methods may be subject to change without notification, and it is the sole responsibility of the operator/user to check for any updated information regarding safe stacking and flying procedures whether locally or internationally.

WARNING! - Safety Rigging

There are accepted '**General Rigging Practices**' appropriate to the entertainment industry and this Document aims to encapsulate them specifically to the safe **vertical ground stacking** of the KV2 SL-Loudspeaker systems described here.

It is extremely vital and important that only personnel whom have the qualifications and certificates, Prior knowledge and experience of rigging techniques, attempt the execution of any stacking configuration utilizing the SL Brackets for the KV2 SL products.

All advice and instructions expressed and stated within this document, are based upon the highest engineering data available at the time of publication, from within the Country of manufacture, with regards to materials and general practice techniques.

Specifications are subject to change, due to constant testing, product updates and refinements and R&D.

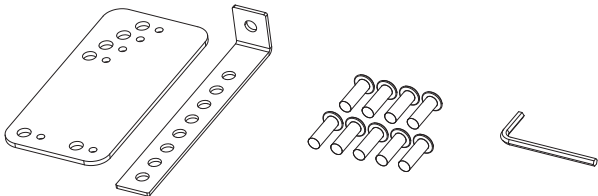
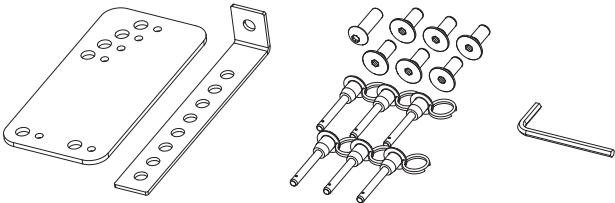
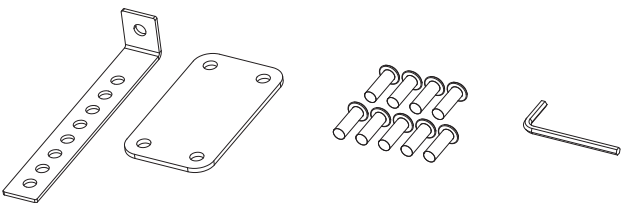
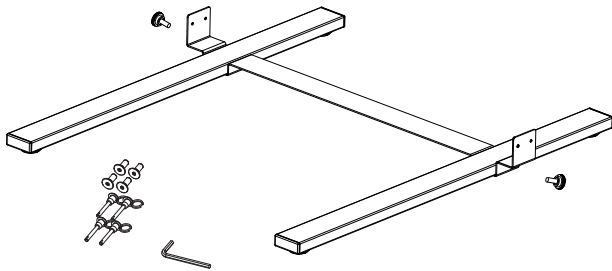
'**General Rigging Practices**' means that Regulations and requirements are possibly subject to alterations in different countries and may be superseded locally.

KV2 Audio, as such is not responsible for the safety of any placement, vertical stacking, suspension, flying overhead of all specific KV2 Audio Loudspeaker products, or Rigging configurations as executed in practice by users.

It is expressly the sole responsibility of the user to ensure that at all times any KV2 Audio product, or system is Ground-stacked, suspended and rigged in accordance with current International and local regulations. All non KV2 Audio products such as hoists, clamps, wires, truss, supports used, or required to assure stability, or suspend KV2 Audio Loudspeaker products are the sole responsibility of the user.

Parts & Components

The SL BRACKETS consist of three individual brackets and are identified as:

<p>SL Top Bracket kit with screws with screwspart name: SL TOP BRACKET WITH SCREWS part number: KVV 987 300 - 7 pcs M10 hex screws included - 1pc allen key - 6mm included</p>	
<p>SL Top Bracket kit with quick pins part name: SL TOP BRACKET WITH QUICK PINS part number: KVV 987 312 - 7 pcs M10 hex screws with hole included - 6 pcs Quick-lock-pins 6mm included - 1pc allen key - 6mm included</p>	
<p>SL Sub Bracket kit with screwspart name: SL SUB BRACKET part number: KVV 987 299 - 9 pcs M10 hex screws included - 1pc allen key - 6mm included</p>	
<p>SL Ground Stack kit with screwspart name: SL GROUND STACK part number: KVV 987 320 - 6 pcs M10 hex screws with hole included - 6 pcs Quick-lock-pins 6mm included - 2pcs knob with screw included - 1pc allen key - 6mm included</p>	

**** NOTE:** The SL BRACKET KITS ARE NOT DESIGNED OR CERTIFIED FOR OVERHEAD SUSPENSION USE**

The **SL TOP BRACKET KIT** consists of a pre-drilled oblong steel plate that has apertures with pre-fixed points to allow the securing of the SL412 enclosure to multiple stacked SL215 Bass enclosures by either inserting 2 x M10 Hex bolts, (**KVV 987 300**) or D6 quick release pins, (**KVV 987 312**), through the plate and into each M10 mounting point on each side for each enclosure, (6mm Allen key included). Using the alternate apertures in the plate, it is possible to create a downward tilt/angle for the SL412 enclosure.

Included in the kit is a steel wall-securing arm which attaches to the top edge of the upper SL215 Bass enclosure, by inserting one M10 Hex bolt through the arm and into the M10 mounting point. The extended arm is then attached to a wall or beam structure for stability of the vertical stack employed.

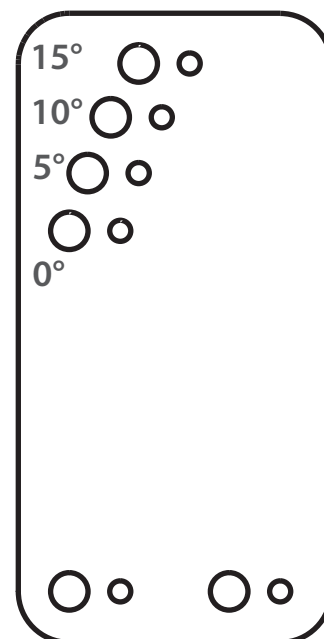
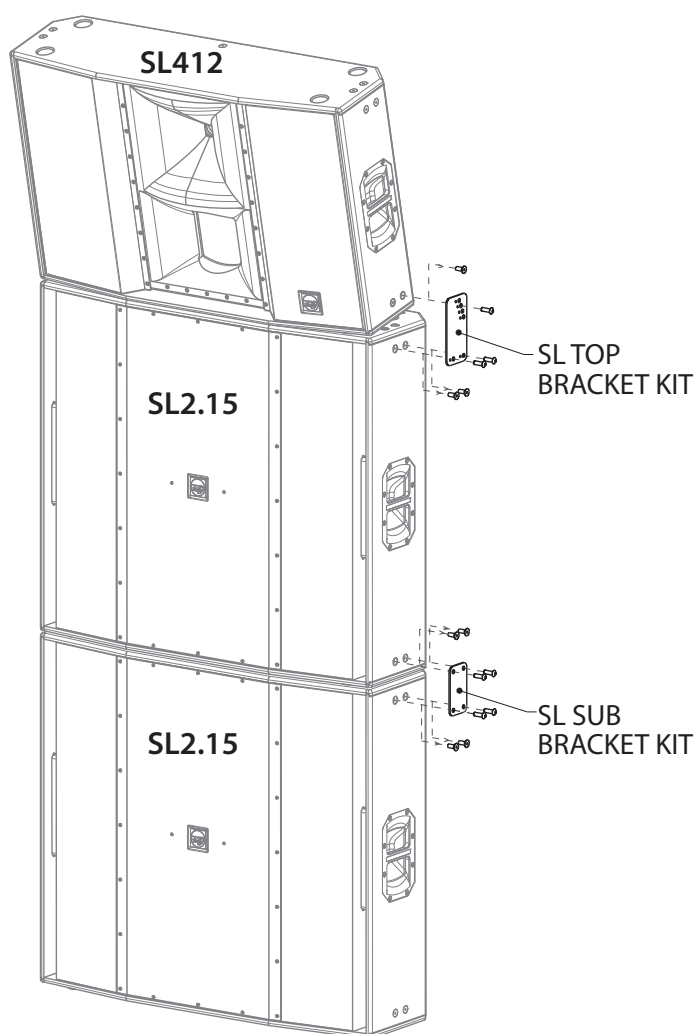
The **SL SUB BRACKET KIT** consists of a pre-drilled oblong steel plate that has four corner apertures to allow the secure vertical stacking and fixing of multiple SL215 subwoofers, by inserting 2 x M10 Hex-bolts through the plate and into each M10 mounting point on each side for each enclosure, (6mm- Allen key included).

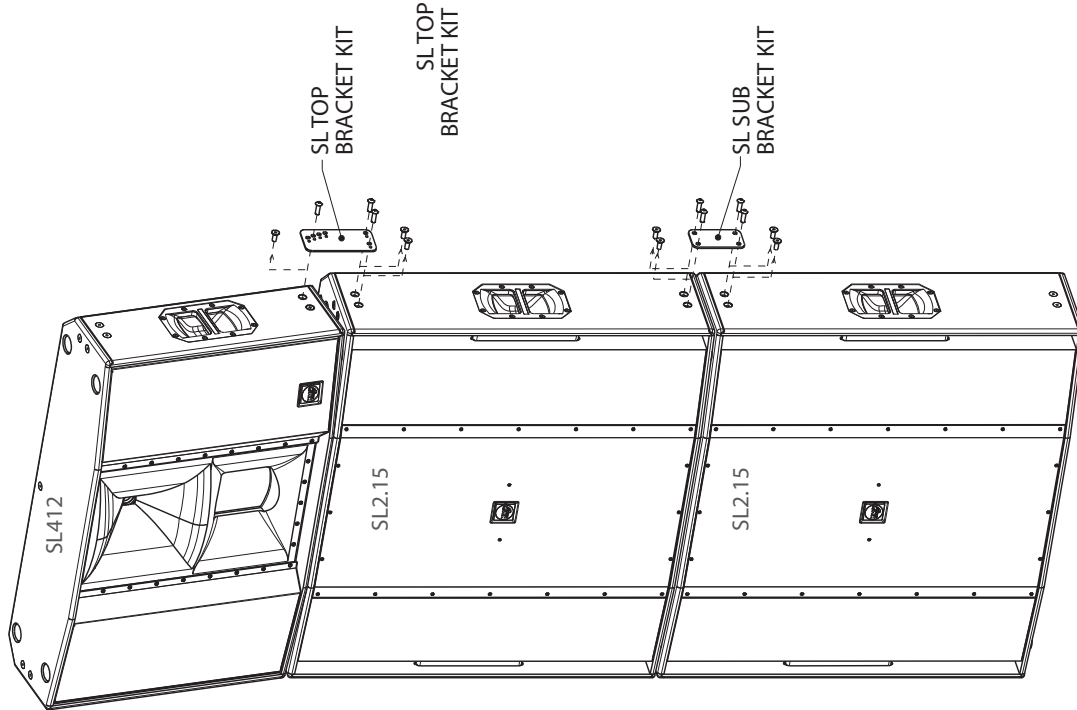
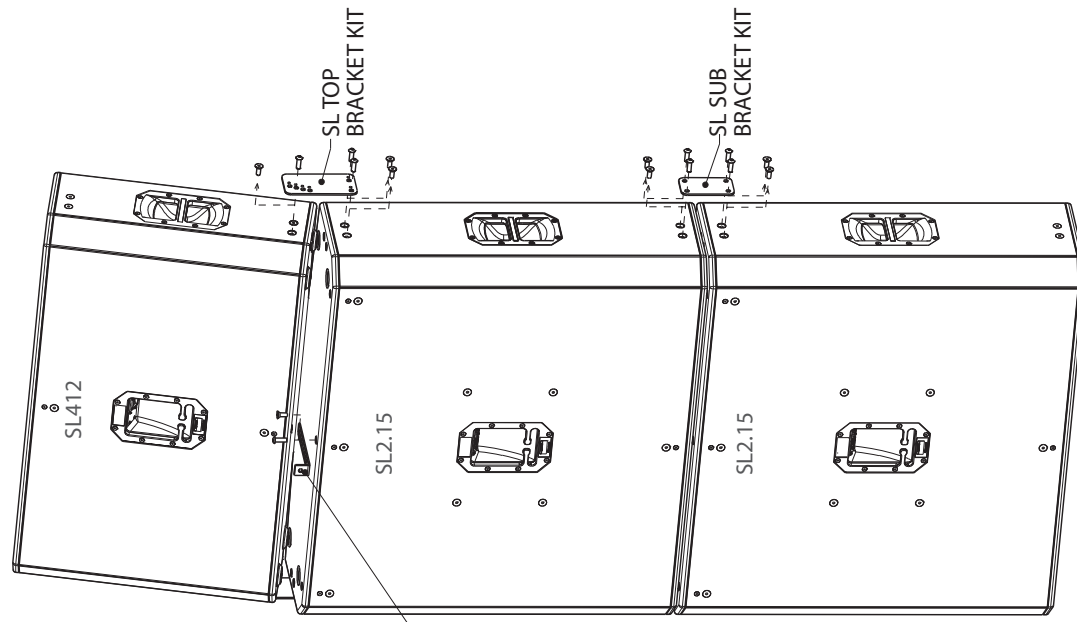
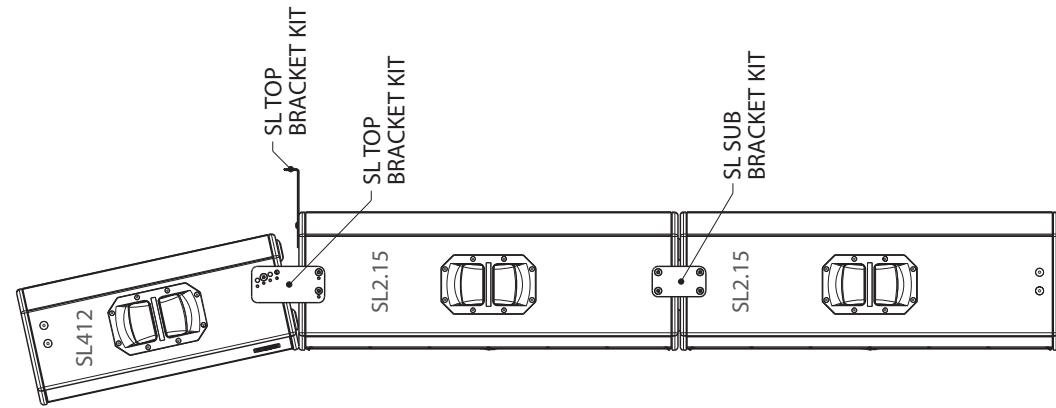
Included in the kit is a steel wall-securing arm which attaches to the top edge of the upper SL215 Bass enclosure by inserting one M10 Hex bolt through the arm and into the M10 mounting point. The extended arm is then attached to a wall or beam structure for stability of the vertical stack employed.

The SL412 and SL215 come complete with pre-loaded M10 mounting points and Bolts with a total of 20 fixing points at different locations of the enclosure.

Please refer to diagram example below

SL Top bracket with marked angles





Fixing SL412 with 2x SL2.15 using
SL TOP BRACKET KIT and SL SUB BRACKET KIT

Fixing SL412 with 2x SL2.15 using
SL TOP BRACKET KIT and SL SUB BRACKET KIT

Fixing SL412 with 2x SL2.15 using
SL TOP BRACKET KIT and SL SUB BRACKET KIT

SL GROUND STACK kit (KVV 987 320)

The SL Ground Stack consists of a two supporting legs, connecting to a metal strip, that has apertures with fixed points to allow the securing of the multiple stacked SL215 Bass enclosures with an SL412 and to prevent tipping when using the SL system stacked, away from the wall, or stacked on a VHD2.21 enclosure.

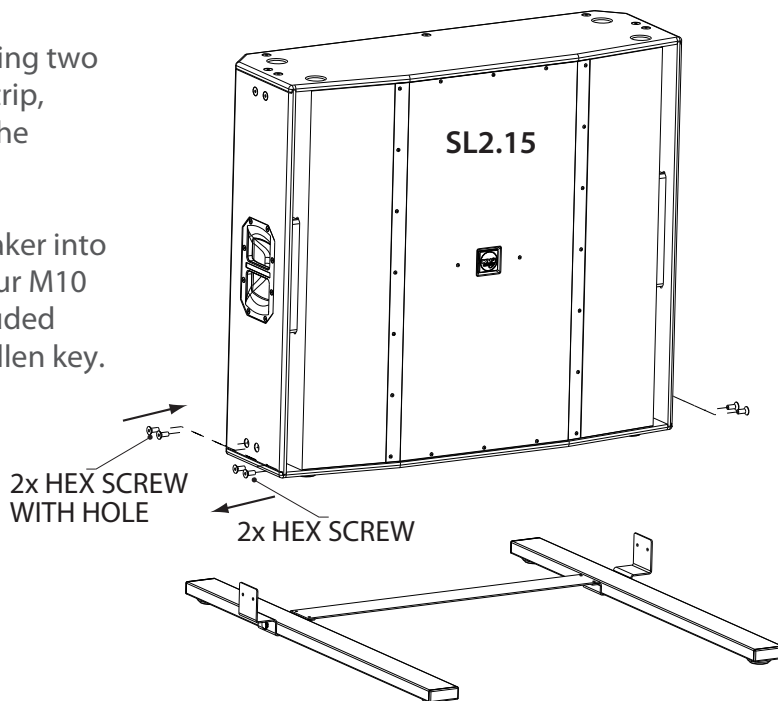
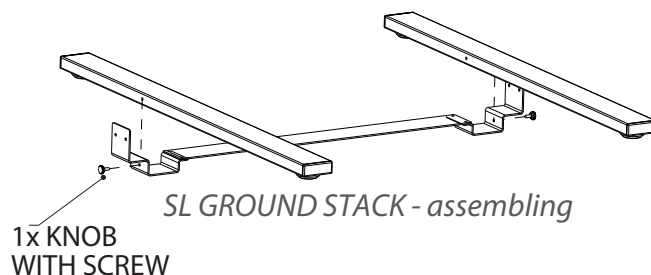
Assemble the Ground Stack by either inserting two supporting legs and fixing with the metal strip, using two knobs with screws as shown on the diagram.

Before it is possible to place the SL2.15 speaker into a Ground Stack, it is necessary to replace four M10 screws with the M10 screws with hole (included with SL Ground Stack) using the included Allen key.

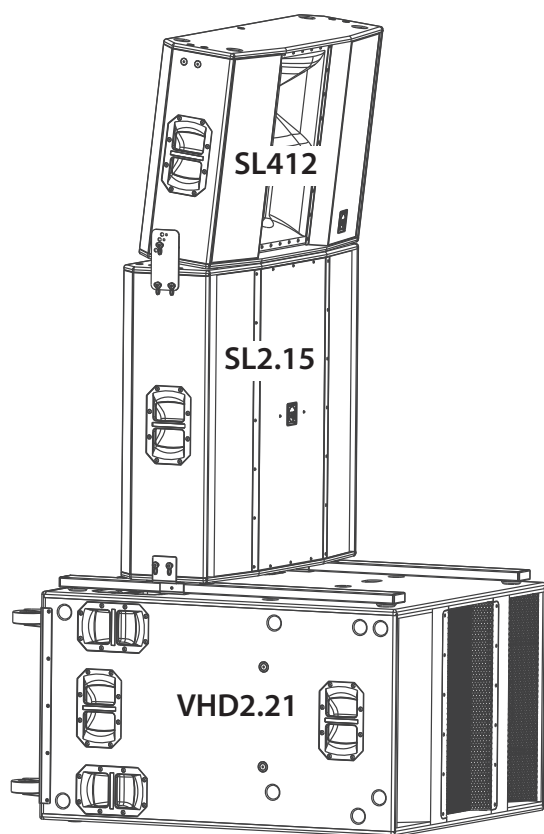
Settle the SL2.15 into the Ground Stack and secure it using four Quick-lock-pins.

SL Ground Stack allows stacking:

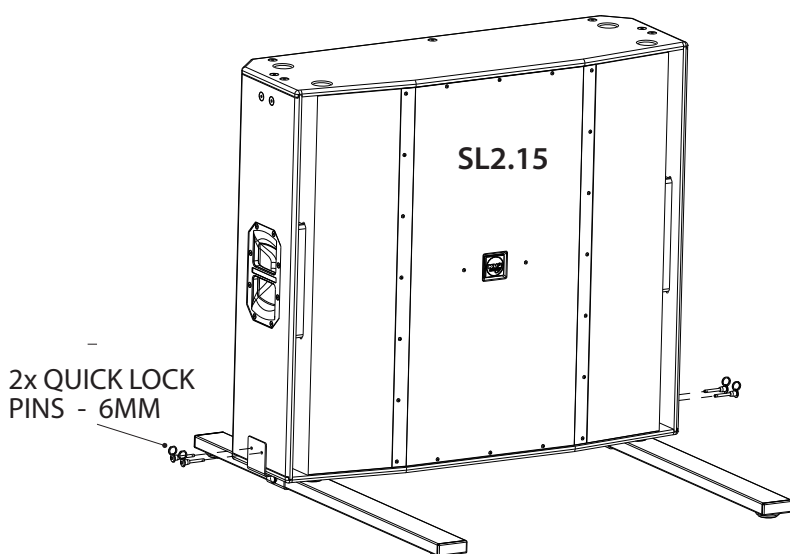
- 1xSL2.15, 1xSL412
- 2xSL2.15, 1xSL412
- 1xVHD2.21, 2xSL2.15, 1xSL412
- 1xVHD2.21, 1xSL2.15, 1xSL412
- 2xVHD2.21, 2xSL2.15, 1xSL412



Replacing 4x M10 bolts with M10 with hole



51x VHD2.21, 1X SL2.15, 1x SL412 Ground Stack



Settlement SL2.15 into Ground Stack

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