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Yorkville PSA1RIGKIT Rigging Side Rails Instruction Manual
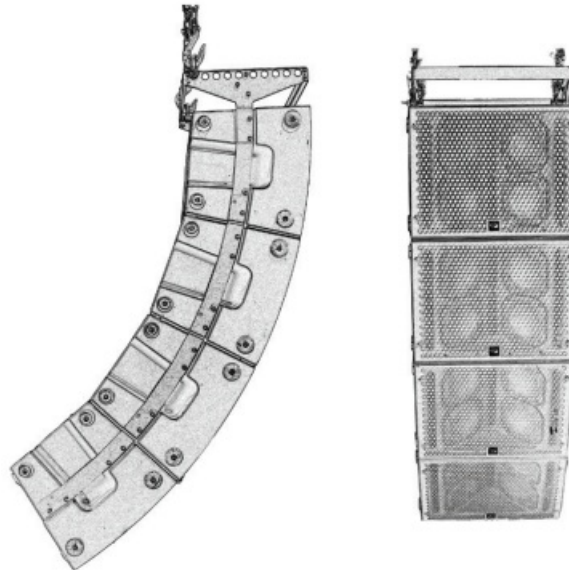
Contents

Yorkville PSA1RIGKIT Rigging Side Rails

PSA1RIGKIT Installation

This is a step-by-step guide describing how to assemble your PSA1 rig for fixed installations. A Philips screwdriver and a C-wrench (or a right-angle impact-driver) will be needed to complete this assembly. The PSA1RIGKIT includes all the hardware required to install the kit on one PSA1. The PSA1FRAME1 and PSA1FRAME2 can fly a maximum of 4 cabinets. Please follow the guidelines written in this document:
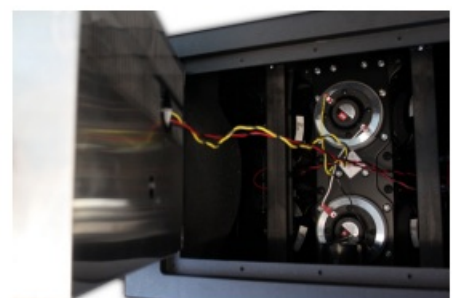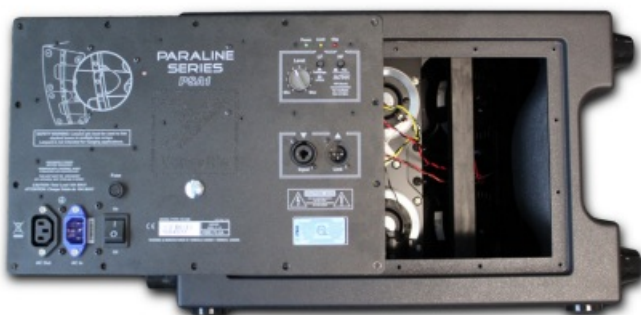

NOTE: The PSA1RIGKIT mounts directly onto the handles of the PSA1 enclosure. Steps 1-3 will not be necessary if the PSA1 being used was manufactured after February 2012. The newer enclosure's handles feature threading and will allow the PSA1RIGKIT to mount directly without removal.
NOTE: A torque of 125 inch/pounds is recommended when tightening the hardware.
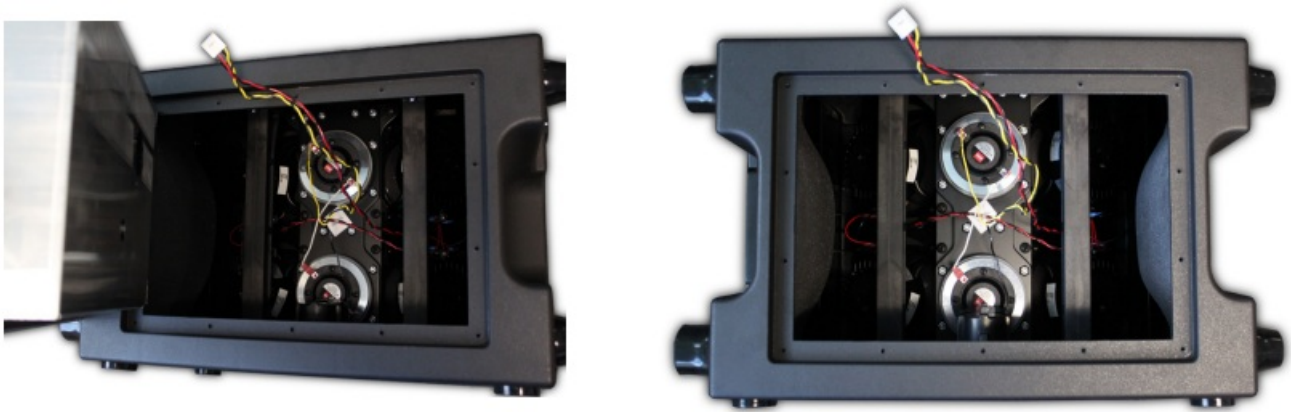
Removing Amp Module

Place the PSA1 on a solid flat surface such as the floor or a sturdy table. Remove the 14 screws along the edges of the amplifier module. When lifting the module out of the cavity be cautious of the wire-harness attaching the module to the speakers.

Disconnecting Amplifier Module

Disconnect the wire-harness connecting the amplifier module to the speakers. The connector is located close the module itself. Place the amplifier module and mounting screws aside, in a safe and secure location.
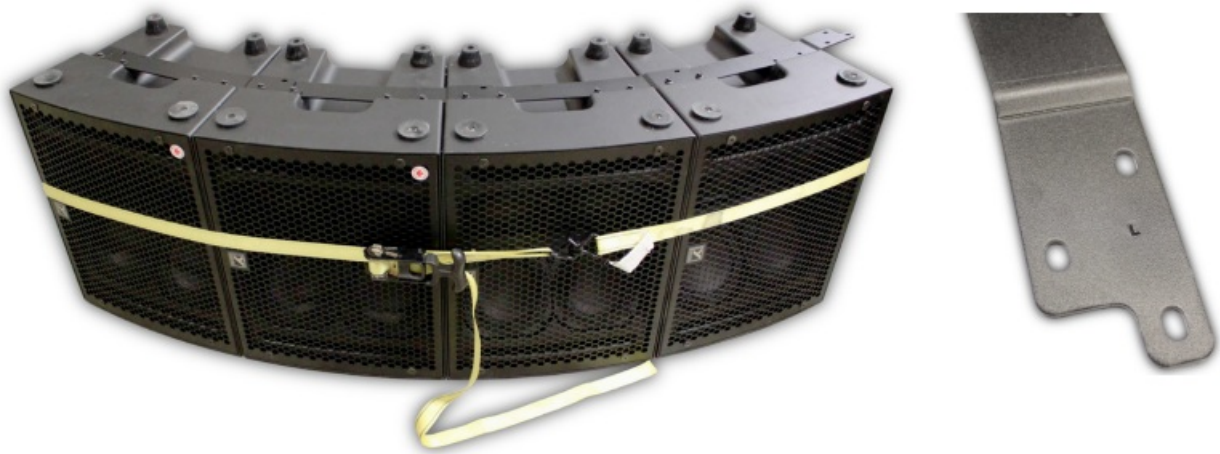

Preparing Enclosures for Brackets

To make it easier to remove the handle, position the PSA1 on its side. Insert the screwdriver on each screw while holding the corresponding hex nut (found inside the PSA1) with your C-Wrench. The hex nuts can be accessed without removing the foam on the inside of the enclosure. (Do not remove the foam from the inside of the PSA1).
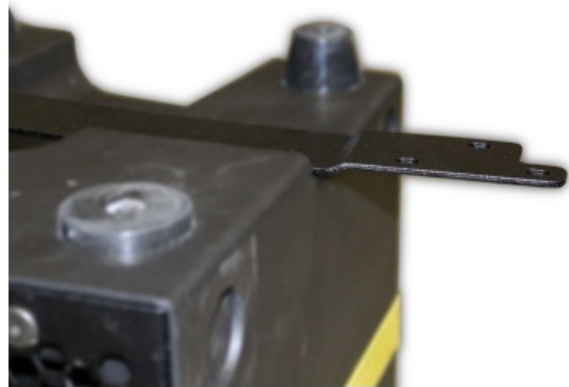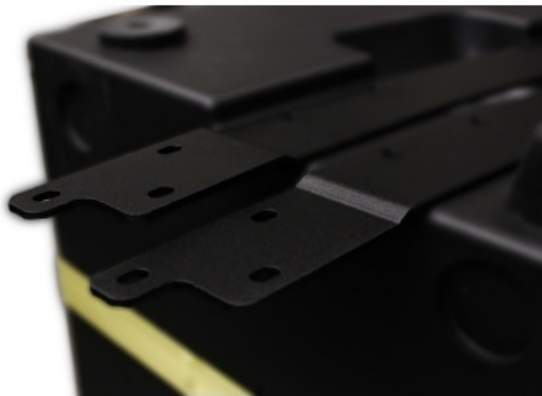

The Array
When all four screws, hex nuts and washers have been removed from each PSA1, ratchet-strap the number of enclosures to be flown on level ground (as shown below). When strapping the enclosures together, make sure they're aligned properly. The PSA1RIGKIT includes a left bracket and a right bracket enabling the PSA1 enclosures to be mounted on top of each other as well as for installing onto a PSA1FRAMEKIT. It is important to recognize the "L" on the LEFT side bracket for your PSA1RIGKIT. The LEFT bracket should be installed on the LEFT side of the speaker facing the front of the cabinet. The "L" will be placed towards the cabinet, leaving it unseen when properly mounted.
NOTE: PSA1s manufactured after February 2012 do NOT need to have the handles removed to install the PSA1RIGKIT. The newer enclosure's handles feature built-in threading and will allow the PSA1RIGKIT to mount directly.
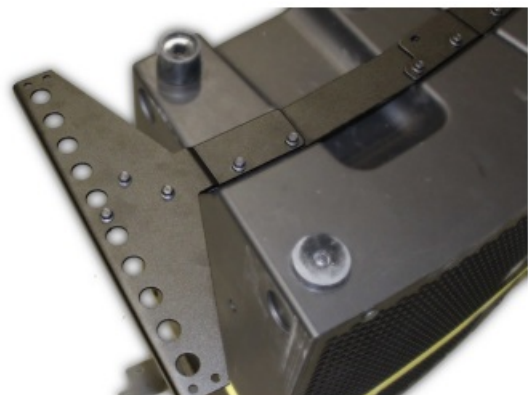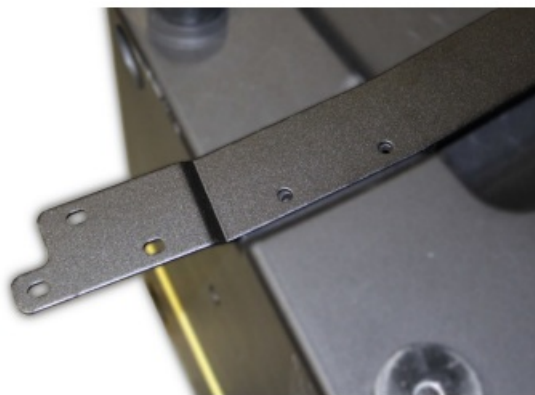
Positioning and Aligning the Brackets

An example is shown below of the rigging plates for the Left and Right side brackets. The correct way to mount the bracket is to keep the "lip" outwards on the top of the enclosure. As shown in the second image below.

Installing the Brackets

Start from the upper-most enclosure and loosely position the brackets in place of the handles*, use the bolts to help alignment – do not tighten until positioned correctly. Work from highest to the lowest in the array. The installed brackets protrude on the TOP SIDE of the enclosures and mount onto the enclosure 'above.' Repeat all of these steps for all enclosures in the array. When all brackets are in place and aligned, tighten the nuts and bolts properly.
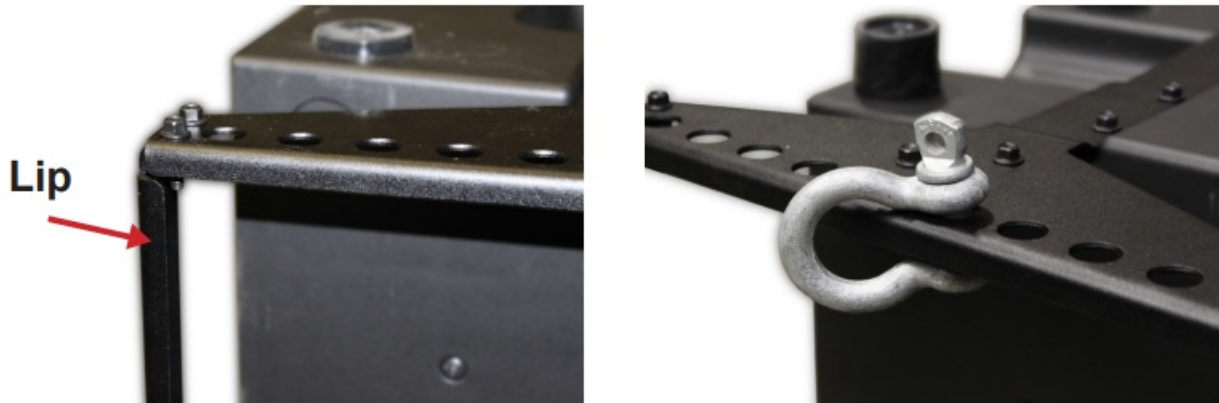
*NOTE: PSA1s manufactured after February 2012 use handles that include threading and will allow the PSA1RIGKIT to mount directly, no nuts are required.

PSA1FRAMEKIT

Once the PSA1RIGKIT brackets on the enclosures are in place (and tightened), the PSA1FRAMEKIT (with the 10-point mounting holes) can be mounted to the upper-most enclosure, using the portion of the bracket that protrudes. The groove of the PSA1FRAMEKIT bumper should mate perfectly with the top PSA1RIGKIT. When the PSA1RIGKIT and PSA1FRAMEKIT have been installed properly and are safe, the ratchet-strap around the array can be removed. To complete the assembly attach the two supplied painted cross-members to the

PSA1FRAMEKIT on the upper-most enclosure. The cross-members attach to the front and rear of the 10-point mounting hole PSA1FRAMEKIT side brackets. Make sure the "lip" of the cross-members are facing inwards, towards each other as shown in the image below. Use two bolts and hex nuts per corner (as supplied). When cross-members have been successfully attached to complete the bumper bar, a minimum of two ½-inch shackles (Crosby part #1017494) must be used for each array. The shackles can be mounted on any of the 10 pickup points along the PSA1FRAMEKIT's bumper. The pickup point chosen must correspond to one on the other side (ex. If you choose the 4th pickup point on the left side, you will also use the 4th pickup point on the right side).

Reinstall Amplifier Module

When the whole array is assembled correctly the PSA1 amplifier modules should be reinstalled.Connect the amplifier/speaker connectors carefully and refit each module in the cavities using the original screws.

Flying the Array

When the array is safely and properly assembled for flying, it is recommended that a professional rigging-technician assist with the installation. The end result should look something like the images below Here's an example of four PSA1 cabinets safely integrated together with four PSA1RIGKITS and one PSA1FRAMEKIT2. The 10th pickup point was chosen to represent the most extreme down-tilt you can get with this system.

If you have any questions please contact
Yorkville Support directly at **support@yorkville.com**

Two & Ten Year Warranty

Unlimited Warranty

Yorkville's two and ten-year unlimited warranty on this product is transferable and does not require registration with Yorkville Sound or your dealer. If this product should fail for any reason within two years of the original purchase date (ten years for the wooden enclosure), simply return it to your Yorkvilledealer with original proof of purchase and it will be repaired free of charge. This includes all Yorkville products, except for the YSM Series studio monitors, Coliseum Mini Series and TX Series Loudspeakers. Freight charges, consequential damages, weather damage, damage as a result of improper installation, damages due to exposure to extreme humidity, accident or natural disaster are excluded under the terms of this warranty. The warranty does not cover consumables such as vacuum tubes or par bulbs. See your Yorkville dealer for more details. Warranty valid only in Canada and the United States.

Canada

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U.S.A.

Voice: (716) 297-2920
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Documents / Resources

	Yorkville PSA1RIGKIT Rigging Side Rails [pdf] Instruction Manual PSA1RIGKIT Rigging Side Rails, Rigging Side Rails, PSA1RIGKIT Side Rails, Side Rails, Rails, PSA1RIGKIT

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