

Installation Guide

FP-EVFS2-3X1

ELECTRO-VOICE CLUSTER PACK PLANAR ARRAY KIT



Clustering and flying EVFS2 series loudspeakers is easy, safe and very predictable. This planar array suspension kit joins three EVFS2 cabinets together to be flown as one, tight-packed for near field placement or splayed out for further distances from the audience. Four front joiner plates and two rear joiner plates come in the kit. Load rated eyebolts provide the actual suspension by passing through the front plates and anchoring into the cabinet's rigging points. High strength bolts are provided to secure the joiner plates.

Contents:

Be sure that all of the following items are included in this kit before proceeding:

- 2pcs** Rear Joiner Plates
- 2pcs** Front Joiner Plates
- 2pcs** Eyebolt, M10X50mm
- 2pcs** Eyebolt, M10X35mm
- 1pc** Hardware Kit

Installing speakers must be performed by experienced professionals. If in doubt about the integrity of the structure you are mounting or suspending to or not sure about the proper hardware or method to use, consult a certified rigging company.

Installation Procedure:

Step 1: Flip speakers so that the bottom is facing up. Arrange speaker so that the EVF1181S is in between the EVF1152S. Unscrew existing speaker screws and discard (Figure 1).

Step 2: Determine the splay angle of the speaker and the holes to use on the front joiner plate (Figure 2).

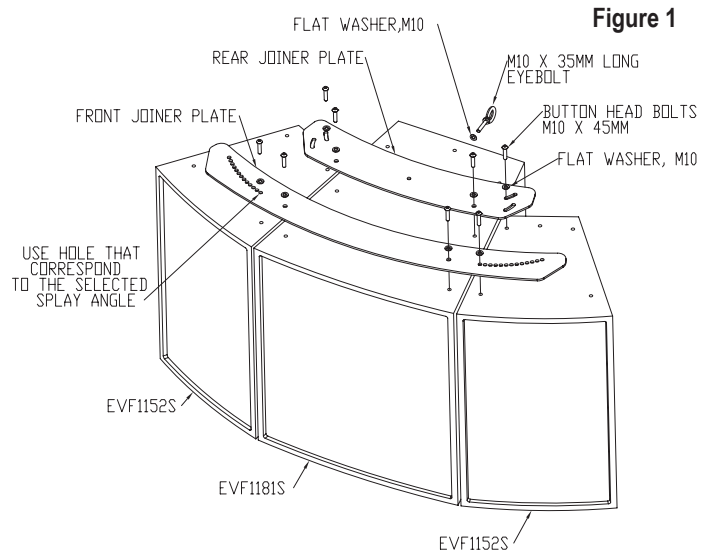
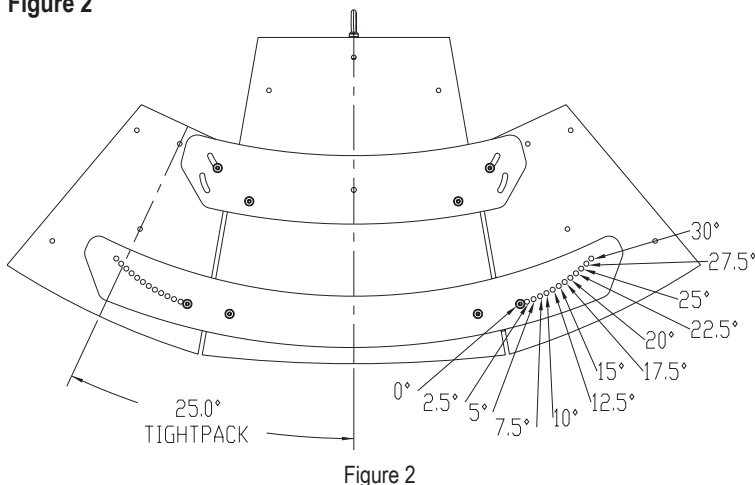


Figure 1

Figure 2



Step 3: Install the rear joiner plate on the two middle rigging inserts of the EVF1181S subwoofer using the provided screws and washers. Attach the two EVF1152S side speakers with the EVF1181S subwoofer using the lower slots of the rear joiner plate with the provided screws and washers (Figure 1).

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Step 4: Install the front joiner plate on the two front rigging inserts of the EVF1181S subwoofer using the provided screw and washer. Determine the holes to use for the selected splay angle (Figure 2) then secure the EVF1152S side speakers to the front joiner plate using the provided screws and washers (Figure 1). Do not tighten screws; leave it snug until all plates are in position.

Step 5: Slowly flip the speaker assembly so that the tops of the speakers are facing up. Unscrew the speaker screws and discard.

Step 6: Install the rear joiner plate on the two middle rigging inserts of the EVF1181S subwoofer using the provided screws and washers. Attach the two EVF1152S side speakers with the EVF1181S subwoofer using the lower slots of the rear joiner plate with the provided screws and washers (Figure 1 and 2).

Step 7: Install the front joiner plate on the two front rigging inserts of the EVF1181S subwoofer using the provided screw and washer. Use the same holes used on the bottom front joiner plate for the selected splay angle (Figure 2) then secure the EVF1152S side speakers to the front joiner plate using the provided M10 x 50mm long eyebolt and washers (Figure 3). *When all plates are in positioned, tighten all screws permanently.*

Step 8: For steeper tilt angles, install the M10x 35mm long eyebolt and washers on the bottom rear insert of the EVF1181S subwoofer (Figure 3 note). For dual pull back install the M10 x 35mm eyebolts on the bottom rear inserts of the EVF1152S side speakers.

NOTE: *For shallow tilt angle, install the eyebolt on the top rear insert of the EVF1181S subwoofer as a pull back point and adjust the tilt angle of the cluster.*

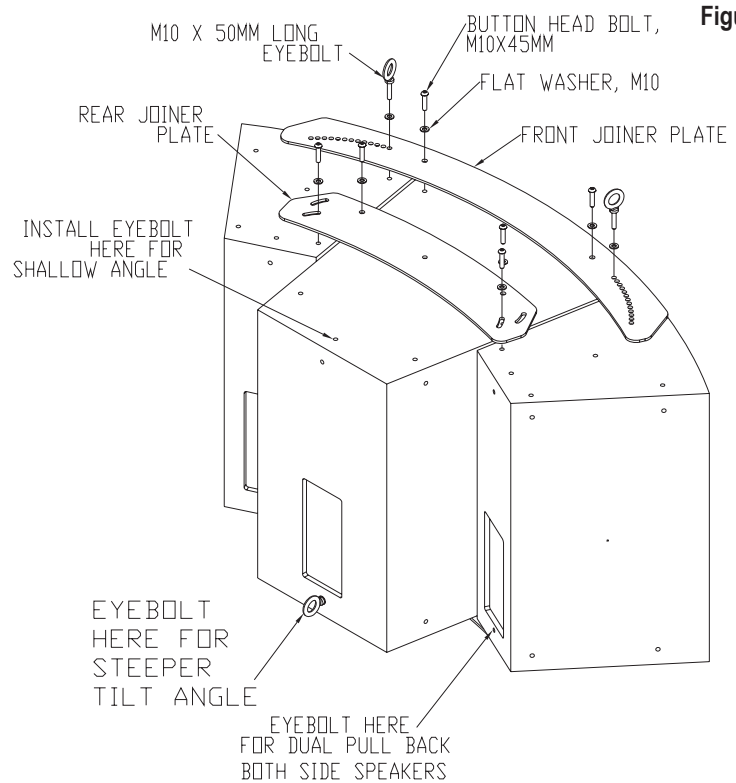


Figure 3

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Step 9: To suspend the cluster, use the two eyebolts on the front joiner plate. Use the eyebolt on the rear of the EVF1181S subwoofer as pull back point and to adjust the tilt angle of the cluster (See main illustration).

Step 10 : Check all hardware connections before hoisting cluster.

Step 11: For Line Array Configuration
Flip speakers so that the bottom is facing up. Arrange speaker so that the EVF1181S is in between the EVF1152S. Unscrew existing speaker screws and discard (Figure 4).

Step 12: Determine the splay angle of the speakers and the holes to use on the front joiner plate (Figure 2).

Step 13: Install the rear joiner plate on the two middle rigging inserts of the EVF1181S subwoofer using the provided screws and washers. Attach the two EVF1152S side speakers with the EVF1181S subwoofer using the lower slots of the rear joiner plate with the provided screws and washers (Figure 4).

Step 14: Install the front joiner plate on the two front rigging inserts of the EVF1181S subwoofer using the provided screw and washer. Determine the holes to use for the selected splay angle (Figure 2) then secure the EVF1152S side speakers to the front joiner plate using the provided screws and washers (Figure 4). Do not tighten screws; leave it snug until all plates are in position.

Step 15: Slowly flip the speaker assembly so that the tops of the speakers are facing up. Unscrew the speaker screws and discard.

Step 16: Repeat step 13 and 14 to install the rear and front joiner plates on top of the speaker cluster.

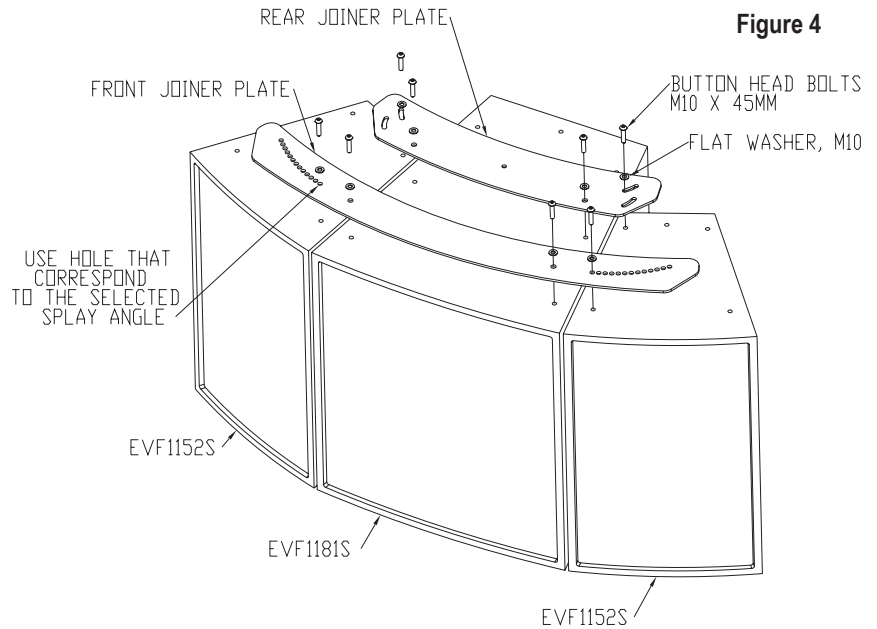


Figure 4

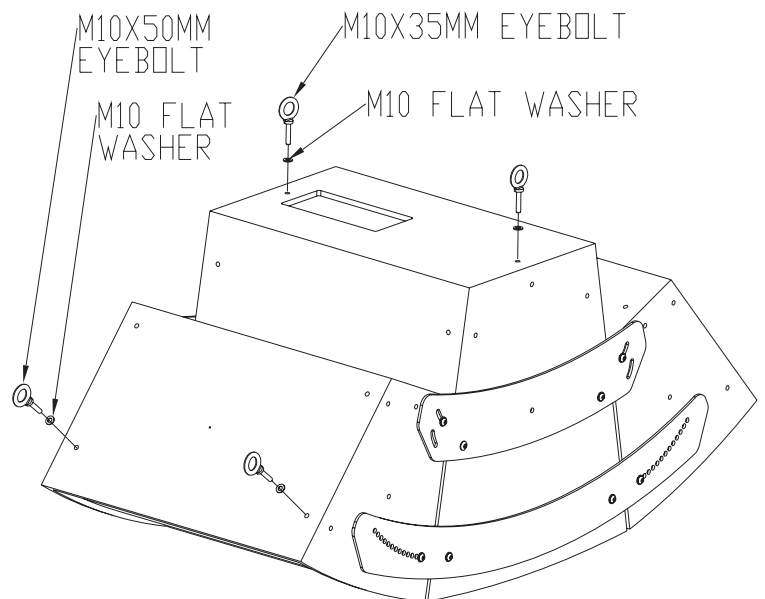


Figure 5

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Step 17: Figure 5 Install the two m10x 50mm long eyebolt on the side rigging inserts of the selected upper Figure 4 speakers Install the two m10x35 mm long on the rear rigging inserts of the EVF1181S or to the rear rigging insert of the bottom EVF1152S (depending on the desired tilt angle) for pull back points (Figure 5).

Step 18: Check all hardware connections before hoisting cluster.

Caution: Due to the wide variety of structures, environments, materials and rigging methods, the installing contractor must exercise good judgment in selecting the proper mounting area and hardware.

Follow these instructions for the most efficient and safest mounting results. Laminated beams must be able to support 5 times the weight of the suspended equipment.

Do not exceed the Wood beam Adapter's working load limit of 300 lbs / 136 kg.

Note to installers:

Due to the wide variety of wall structures, materials and mounting methods, the installing contractor must exercise proper judgment in selecting the mounting area and hardware.

As a guide, the installation, when complete should be capable of supporting 5 to 10 times the actual applied load. Always use a backup safety system such as a safety cable.

To assure a trouble-free installation, read through and follow these instructions carefully before beginning. If you have doubts about the integrity of the structure you are mounting to or you are not sure about the proper hardware to use, consult a structural and/or hardware specialist.

ALWAYS INSTALL SAFETY CABLES

WARNING: Mounting and/or suspension of audio and video equipment requires experienced professionals. Improperly installed loudspeakers can result in property damage, personal injury and/or liability to the installing contractor.