

# Installation Guide

## SAS-2WA-SERIES

### Installation Instructions for SAS-2WA-48, SAS-2WA-66 and SAS-2WA-86



The Two Way Array is a load rated overhead suspension beam used for flying two loudspeaker cabinets and other objects equipped with safe rigging points. This rigging system allows for single and multiple tiered applications.

**As a guide, the installation, when completed should be capable of supporting at least 5 times the actual applied load. Do not exceed the beam's working load limit. Use only Grade 8 hardware. If creating a grid, do not exceed the grid's working load limit.**

#### Contents:

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

- 1 pc. Rigging Beam (2 x 4 x 48", 66" or 86" long)
- 2 pcs. Gridlink Cross Arms
- 1 pc. Hardware Kit

#### Installation Procedure:

##### Step 1: Check Cross Arm Placement:

If you need to move the cross arms towards the center or farther away from the center, remove the nylock nuts, bolts and flat washers from the cross arm. Select the desired holes then reassemble the cross arms to the rigging beam using the same hardware and in the same order (Figure 2). Be sure the cross arms are moved equally to keep the system balanced and symmetrical.

Figure 2

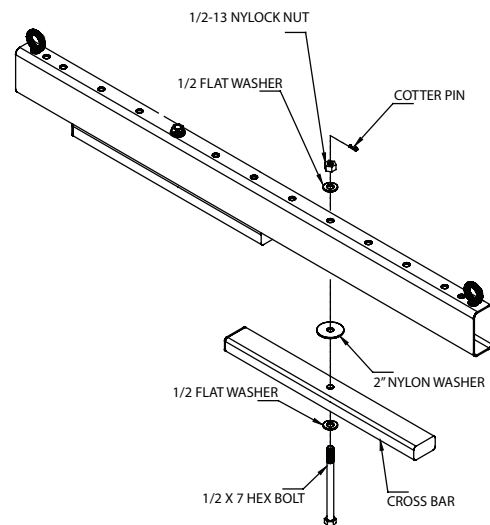
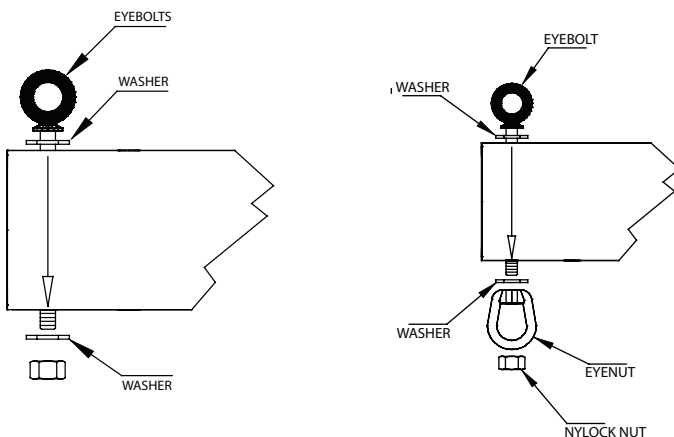


Figure 1A

Figure 1B



##### Step 3: Prepare the Two Way Array Rigging System

Install the outer suspension eyebolts, flat washers, and nylock nuts through the outer holes of the beam with the eye of the eyebolt on the top side of the beam, opposite the Cross Arms. Tighten permanently but do not crush tube (Figure 1A).

For **multiple tiered applications**, fasten eye nuts under the eyebolts then the nylock nut (Figure 1B). Make sure the eyes of the eyebolts are perpendicular to the length of the beam (Figure 1A/B). Tighten permanently but do not crush tube.

#### 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.

# Installation Guide

## SAS-2WA-SERIES

### Installation Instructions for SAS-2WA-48, SAS-2WA-66 and SAS-2WA-86

#### NOTE:

##### For U-Bracket

Remove cross arm as in step 1, install the U-Bracket to the Cross Arm then reassemble the cross arm to the rigging beam using the same hardware and in the same order.

#### Step 3: Prepare Cross Arm for Rigging

(Adjustable Tilt Cable Kit), install the 5/16" eyebolts to the bottom holes at the end of the cross arm using flat washers and nylock nuts. Tighten permanently. Press fit the end caps on the ends of the cross arm tube. (Figure 3A).

#### Prepare Cross Arm for U-Bracket

Attach the U-bracket to the four holes underneath the cross arm using the provided 1/4" x 3/4" long screws, flat washers and nylock nuts. Tighten permanently (Figure 3B). Attach the Cross Arm/U-Bracket assembly to the beam using the 1/2" x 7" hex bolt, friction washer, flat washer, nylock nut and cotter pin. See U-Bracket instruction sheet for more details.

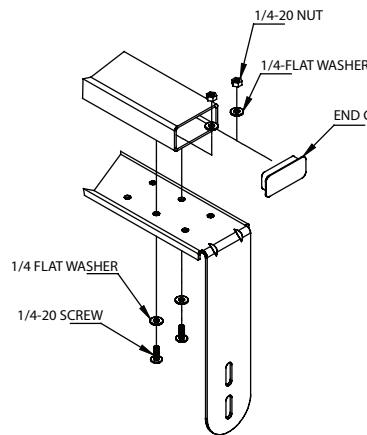


Figure 3B

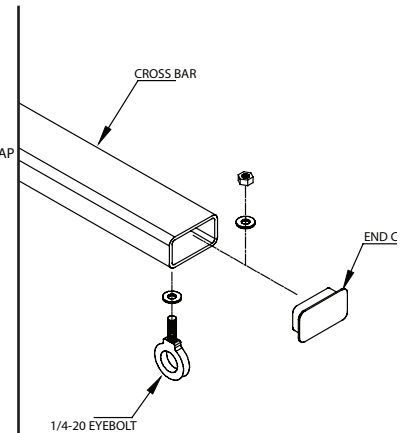


Figure 3A

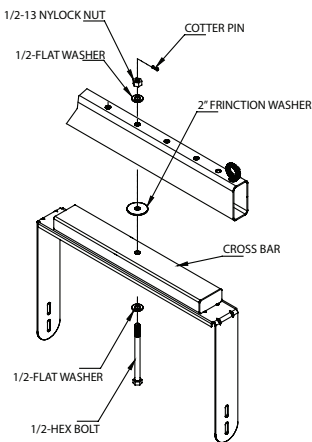


Figure 3C

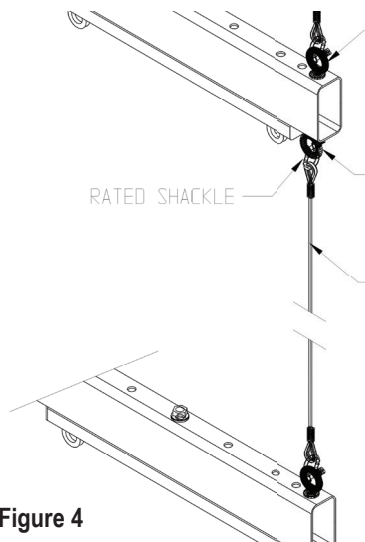


Figure 4

#### Step 4: Suspend Two Way Array

Suspend the Two Way Array from the selected suspension points using the two eyebolts on each side of the beam. The hang angle should be as close to vertical as possible. Make sure that the combined suspension points are capable of supporting at least 5 times the weight of the entire load (figure 4).

For multiple Tiered applications, use eye nuts (sold separately) underneath the beam's eyebolts as a hang point with rated shackles, cables and/or chain. (Figure 1B). Make sure the eyes of the eyebolts and eye nuts are perpendicular to the beam's length (Figure 4).

#### Step 5: Attach Rigging Hardware

Suspend the selected loudspeaker and rigging hardware (Tilt cable kit or U-Bracket) from the eyebolts underneath the cross arms using, load rated shackles, cables or other load rated fasteners (Figure 5).

#### Step 6: Adjusting the Horizontal Angle

Rotate the cross arm from the beam until the desired horizontal angle is achieved. Repeat the procedure to the other cross arm (Figure 6).

#### Step 7: Adjusting the Tilt Angle:

See Adjustable Tilt Cable Kit or U-Bracket instruction sheet for more details.

Before hoisting, lift entire system a short distance and check each and every connection thoroughly before proceeding.

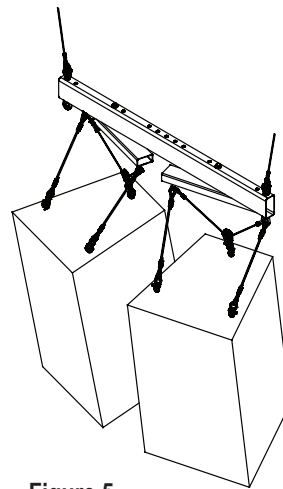


Figure 5

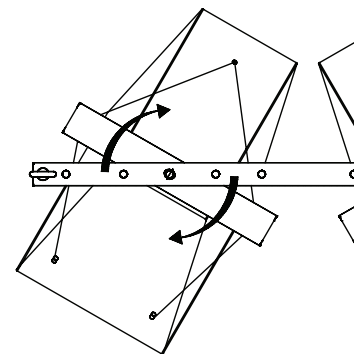


Figure 6