C. Rigging ConTour Array™ Enclosures

Fig. 5: Integrated rigging attachments

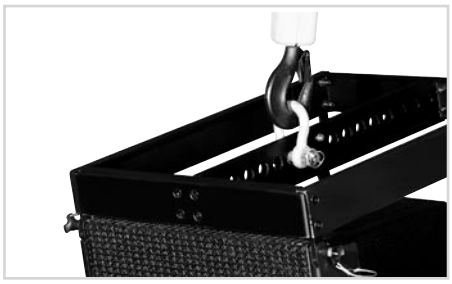

Fig. 6: ConTour Array™ rigging frame

Fig. 7: Shackles for attaching motors, chain hoists

1. Components and Applications of ConTour Array™ Rigging Hardware

Please also read the Notes on Rigging Safety in Chapter A of this manual.

ConTour Array™ rigging hardware consists of the following parts:

- a rigging frame with two shackles for attaching motors or chain hoists.
- integrated rigging points on the side and back for flying ConTour Array™ CTA 208 Mid/High units.
- three quick-release pins per CTA 208 for connecting the enclosure to the rigging frame.

Important note on pins: Quick-release pins connect rigging hardware and speaker enclosures, and their proper function must be tested and verified. Pins must always engage fully in the (fitted) hole. Under no circumstances may these pins release on their own when subjected to tractional forces. The nib in the center of the pinhead must always be depressed to insert pins; it releases the ball detents in front. Once the pin engages in the hole, the nib must ease back to its initial position.

1.1 Mounting the Rigging Frame

It takes two people to perform these tasks. Remove the quick-release pins from the enclosure. Set the rigging frame on the enclosure. First attach the two front connectors. Turn the rigging frame's connector component down and slide it into the rear rigging connector.

Insert the rear pin through the hole labeled 0°. Attach to the rigging frame the shackle that accepts the motor hook. Your choice of pick point depends on how sharply you aim to curve the array later.

Note: Depending on application, you may not be able to select a pick point with a shackle. In this case, use two shackles and a suitable O-ring as shown in Figure 10.

Check all pins on the top rigging frame to ensure they seat firmly. Attach the motor to the shackle.

Important: Ensure the motor's chain bag hangs freely and does not rest on the rigging frame!

Engage the motor to lift the cabinet from the case. Roll the case off to the side. Remove the two front pins from the enclosure you wish to mount and fold down its connector component. Now you can rig further cabinets.

Tip: If you intend to rig additional enclosures, we recommend that you attach all the required speaker cords to the rigging frame now because this task becomes more difficult as the array grows higher. Be sure to use cords of sufficient length!

1.2 Setting the DualCurve™ Angle

Curve the two CTA 208 cabinets using the rear connector component. You have two angles to choose from, 0° and 9°. Remove the pin on the rear, insert lead the connector into the rigging track and secure the connector component with the pin as pictured.

1.3 Rigging Additional CTA 208 Mid/High Enclosures

Hoist the mounted CTA 208 Mid/High cabinets to a height that allows you to roll a second case holding two enclosures under the array. Remove the two front pins from the enclosure you wish to mount.

Move the second case with two additional CTA 208s into position. Slowly lower the top two cabinets until the two front connectors engage. Insert the two front pins first, ensuring they engage fully and securely (see Figure 12 a). You may have to shift the two enclosures slightly to ease the pins into position. To attach the rear connector component, you must swivel it out of the track and ensure it faces down (see Figure 12 b). Insert the pin through the hole labeled 0° or 9° as required.

Hoist the array consisting of four CTA 208 enclosures high enough to remove it fully from the case. Secure the hoisted array against blasts of wind or unintentional twisting to prevent it from moving.

Fig. 8: Mounting the rigging frame

Fig. 9: Setting an intermediate angle

Fig. 10: Hoisting the mounted CTA 208 enclosure

Fig. 11 a, b, c, d, e: Rigging additional CTA 208 enclosures