

AVANTE

Akro ATS218

ELEVATING
YOUR
SOUND

USER
MANUAL



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FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC RADIO FREQUENCY INTERFERENCE WARNINGS & INSTRUCTIONS

This product has been tested and found to comply with the limits as per Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device uses and can radiate radio frequency energy and, if not installed and used in accordance with the included instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following methods:

- Reorient or relocate the device.
- Increase the separation between the device and the receiver.
- Connect the device to an electrical outlet on a circuit different from which the radio receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Energy Saving Matters (EuP 2009/125/EC)

Saving electric energy is a key to help protecting the environment. Please turn off all electrical products when they are not in use. To avoid power consumption in idle mode, disconnect all electrical equipment from power when not in use. Thank you!

Document Version: An updated version of this document may be available online. Please check online at www.avante.com for the latest revision/update of this document before beginning installation and use.

Date	Document Version	Notes
10/13/2025	1.0	Initial release

CONTENTS

General Information	4
Limited Warranty (USA Only)	5
Safety Guidelines	6
Overview	8
Installation	9
Specifications	16
Dimensional Drawings	17
Components & Accessories FCC Statement	18

GENERAL INFORMATION

INTRODUCTION

This speaker is designed for professional use only. Please read and understand all the instructions and guidelines in this manual carefully and thoroughly before attempting to operate these speakers. These instructions contain important information regarding safety, installation, and use.

UNPACKING

Every speaker has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to have been damaged, carefully inspect the speaker for damage and be sure all accessories necessary to install and operate the speaker have arrived intact. In the event that damage has been found or parts are missing, please contact our customer support team for further instructions. Please do not return this speaker to your dealer without first contacting customer support at the number listed below. Please do not discard the shipping carton in the trash. Please recycle whenever possible.

CUSTOMER SUPPORT

AVANTE provides a customer support line to provide set up help, assist with any questions or problems that may arise during set up or initial installation, and for any service related issues. You may also visit us on the web at www.avanteaudio.com for any comments or suggestions.

For GLL files, visit <https://www.avanteaudio.com/products/ats218> and scroll to the Downloads section.

For Ease Focus files, visit <https://www.afmg.eu/en/ease-focus-3-free-download>.

AVANTE SERVICE USA – Monday – Friday 8:00am to 4:30pm PST

Voice: 800-322-6337

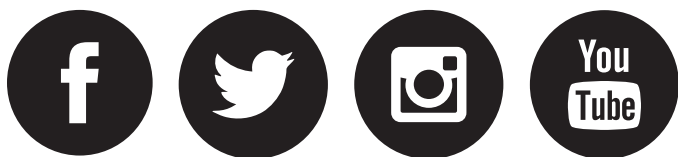
support@avanteaudio.com

AVANTE SERVICE EUROPE - Monday - Friday 08:30 to 17:00 CET

Voice: +31 45 546 85 30

Fax: +31 45 546 85 96

europe@avanteaudio.com



@avanteaudio

WARRANTY REGISTRATION

Please register your product online: www.avanteaudio.com. Online product registration is required in order to activate the third year of the 3-year warranty. All returned service items, whether under warranty or not, must be freight pre-paid and accompanied by a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper and included in the shipping container. If the unit is under warranty, you must provide a copy of your proof of purchase invoice, and the unit must be registered online at www.avanteaudio.com to receive year 3 of the 3-year warranty. Items returned without an R.A. number clearly marked on the outside of the package will be refused and returned at customer's expense. You may obtain an R.A. number by contacting customer support.

LIMITED WARRANTY (USA ONLY)

1. ADJ Products, LLC hereby warrants, to the original purchaser, AVANTE products to be free of manufacturing defects in material and workmanship for a prescribed period of up to 3-years (1,095 days) from the original purchase date. Product must be registered online at www.avanteaudio.com in order to activate year 3 of the 3-year warranty period. This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence at the time service is sought.
2. For warranty service you must obtain a Return Authorization number (RA#) before sending the product back; please contact ADJ Products, LLC Service Department at 800-322-6337. Send the product only to the ADJ Products, LLC factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, ADJ Products, LLC will pay return shipping charges only to a designated point within the United States. If the entire instrument is sent, it must be shipped in its original package. No accessories should be shipped with the product. If any accessories are shipped with the product, ADJ Products, LLC shall incur no liability whatsoever for loss of or damage to any such accessories, or for the safe return thereof.
3. This warranty is void if the serial number has been altered or removed; if the product is modified in any manner which ADJ Products, LLC concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the ADJ Products, LLC factory unless prior written authorization was issued to purchaser by ADJ Products, LLC; if the product is damaged because it was not properly maintained as set forth in the instruction manual.
4. This is not a service contract, and this warranty does not include maintenance, cleaning or periodic checkup. During the period specified above, ADJ Products, LLC will replace defective parts at its expense with new or refurbished parts, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of ADJ Products, LLC under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of ADJ Products, LLC. All products covered by this warranty were manufactured after August 15, 2012, and bear identifying marks to that effect.
5. ADJ Products, LLC reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by ADJ Products, LLC in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired. The consumer's and/or Dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall ADJ Products, LLC be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product. This warranty is the only written warranty applicable to ADJ Products, LLC Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.
6. Warranty Registration: Please register your product online: www.avanteaudio.com. Online product registration is required in order to activate the third year of the 3-year warranty. All returned service items, whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper and included in the shipping container. If the unit is under warranty, you must provide a copy of your proof of purchase invoice and the unit must be registered online at www.avanteaudio.com to receive year 3 of the 3-year warranty. Items returned without an R.A. number clearly marked on the outside of the package will be refused and returned at customer's expense. You may obtain an R.A. number by contacting customer support.

SAFETY GUIDELINES

This device is a sophisticated piece of electronic equipment. To guarantee a smooth operation, it is important to follow all instructions and guidelines in this manual. AVANTE is not responsible for injury and/or damages resulting from the misuse of this speaker due to the disregard of the information printed in this manual. Only qualified and/or certified personnel should perform the installation of this speaker and all included and/or optional rigging accessories. Only the original included and/or optional rigging parts and accessories for this speaker should be used for proper installation. Any modifications to the speaker, included and/or optional rigging parts and accessories will void the original manufacturer's warranty and increase the risk of damage and/or personal injury.



PROTECTION CLASS 1 – DEVICE MUST BE PROPERLY GROUNDED



TO REDUCE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE ANY COVER.

THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS DEVICE.

DO NOT ATTEMPT ANY REPAIRS YOURSELF, AS DOING SO WILL VOID YOUR MANUFACTURER'S WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THESE DEVICES AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURER'S WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS AND/OR REPAIRS.

NEVER OPEN THIS DEVICE WHILE IN USE!

UNPLUG POWER BEFORE SERVICING DEVICE!

KEEP FLAMMABLE MATERIALS AWAY FROM DEVICE!



DRY LOCATIONS USE ONLY!

DO NOT EXPOSE DEVICE TO RAIN AND/OR MOISTURE!

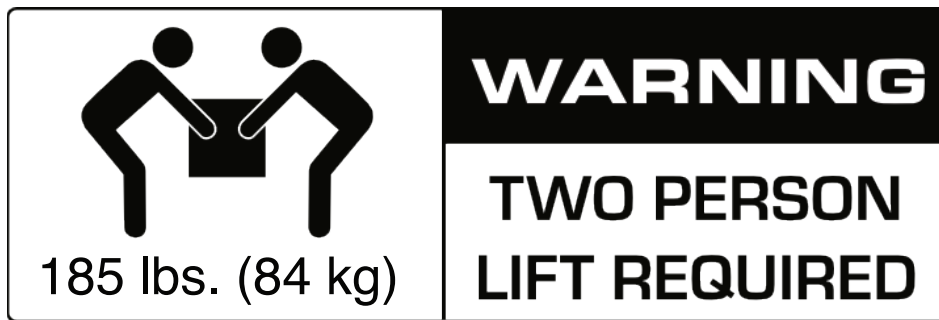
DO NOT SPILL WATER AND/OR LIQUIDS ON OR INTO THE DEVICE!

This device is intended for PROFESSIONAL USE ONLY! Read all INSTRUCTIONS and follow all WARNINGS!

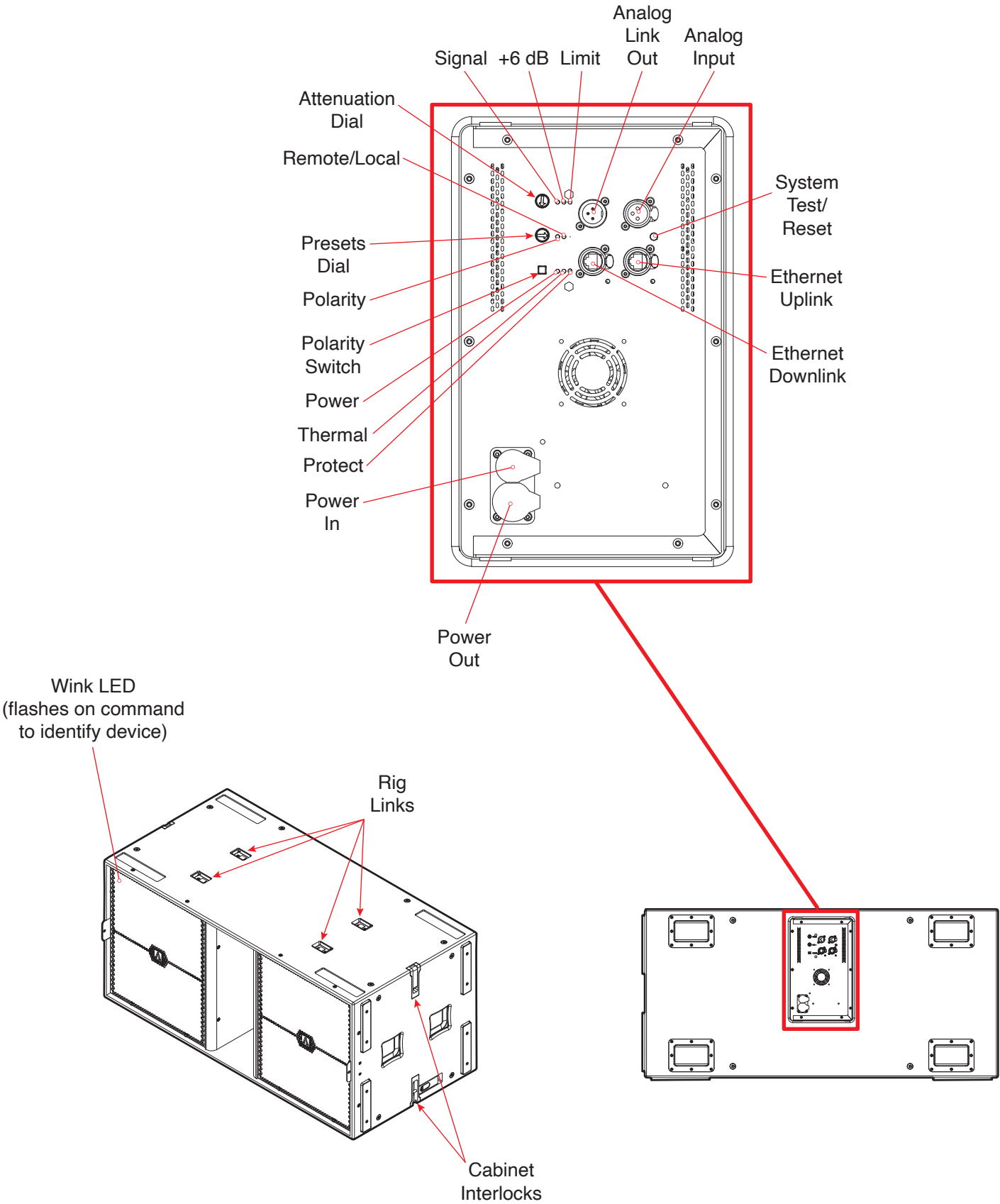
- **DO NOT** use device near wet and/or damp locations. Device must be kept away from direct contact with liquids and must not be exposed to water/liquid dripping or splashing.
- **DO NOT** attempt installation and/or operation without knowledge how to do so. Consult a professional sound equipment installer for proper and safe speaker installation. ONLY the original included, and/or optional rigging parts and accessories listed in this manual should be used for installation and operation.
- **DO NOT** expose any part of the device to open flame or smoke, or position close to any flammable materials during operation. The devices contain an internal power amplifier that produces heat during use. Keep away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- Be sure to install this device in an area that will allow proper ventilation. Allow approximately 6 inches (152mm) behind the speaker cabinet for proper cooling.
- **DO NOT** operate speaker if power cord is frayed, crimped, damaged, and/or if any of the power cord connectors are damaged and do not insert into the speaker securely with ease. NEVER force a power cord connector into the device. If the power cord or any of its connectors are damaged, replace it immediately with a new one of the same power rating.
- **DO NOT** disassemble device, as there are NO user serviceable parts inside. Refer all servicing to qualified service personnel. Servicing is required when the device has been damaged in any way, such as damage to the power-supply cord or plug, exposure to liquid, rain, or moisture, objects falling onto the devices or dropping of the devices themselves, or any abnormal operation.
- **DO NOT** remove prongs from the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

SAFETY GUIDELINES

- **POWER SOURCES:** This product must be connected to a power supply only of the type described in these operating instructions, or as marked on the unit. This product is Country Specific.
- **PROTECTIVE EARTHING TERMINAL:** The speaker should be connected to a mains socket outlet with a protective earth-ground/earthing connection.
- **ONLY** handle power cord by the plug end, and never pull the plug out by tugging the wire portion of the cord.
- **DO NOT** use solvents or glass cleaner to clean speaker. Clean only with a dry cloth.
- **ALWAYS** disconnect speaker from main power source before performing any servicing or cleaning procedure.
- **CAUTION:** To avoid physical damage, read the installation instructions carefully before installation.
- **CAUTION:** Listening to speakers at high volume for extended time or within immediate proximity may damage hearing.
- **CAUTION:** Speakers should be installed/operated by qualified and trained professionals ONLY.
- **CAUTION:** Always mount speakers in a safe and stable manner.
- **CAUTION:** Wear appropriate safety equipment during speaker installation.
- **CAUTION:** Route power and audio cables so that they are NOT likely to be walked on or pinched.
- **CAUTION:** Unplug the speaker during lightning storms and/or when unused for long periods of time.
- **ONLY** use the original packaging materials and/or case to transport the speaker in for service.
- **PLEASE** recycle shipping boxes and packaging whenever possible.



OVERVIEW



INSTALLATION



FLAMMABLE MATERIAL WARNING

Keep device well away from any flammable materials, decorations, pyrotechnics, etc.



ELECTRICAL CONNECTIONS

A qualified electrician should be used for all electrical connections and/or installations.



DUE TO THE WEIGHT OF THE UNIT (174 LBS / 79 KG), LIFTING SHOULD BE DONE BY A TEAM OF AT LEAST TWO PEOPLE IN ORDER TO AVOID INJURY.

DO NOT INSTALL THE DEVICE IF YOU ARE NOT QUALIFIED TO DO SO! ALL INSTALLATIONS MUST BE PERFORMED BY QUALIFIED PROFESSIONAL EQUIPMENT INSTALLERS!

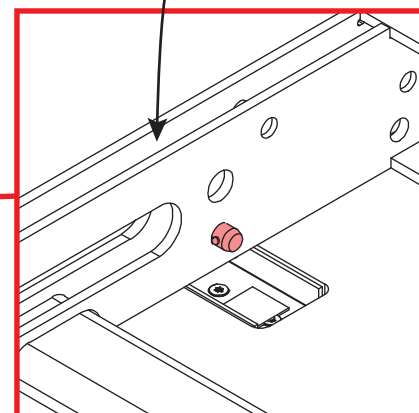
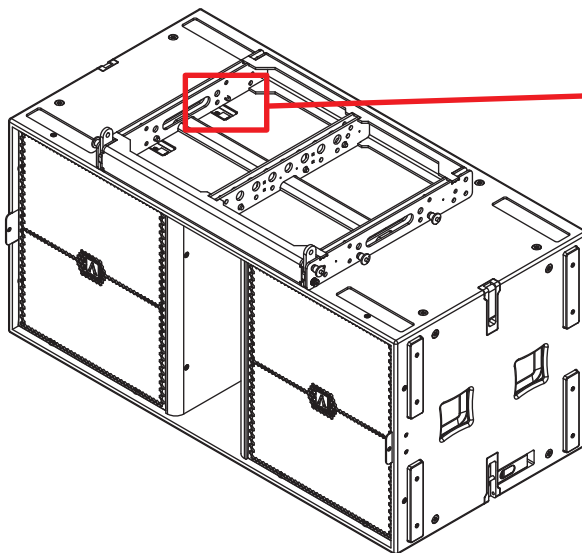
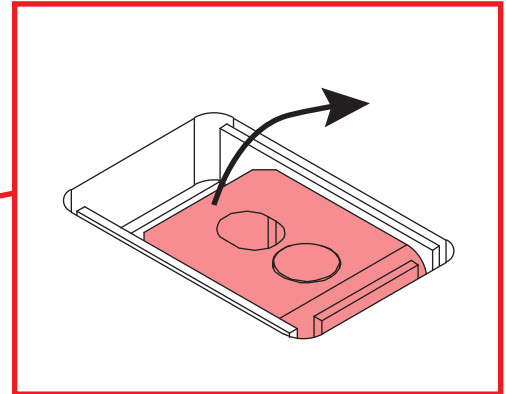
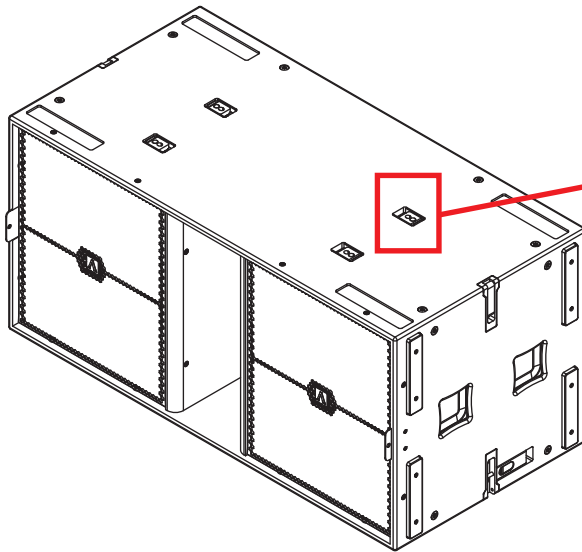
Device **MUST** be installed following all local, national, and country commercial electrical and construction codes and regulations. Before rigging/mounting the device or placing the device on any surface, a professional equipment installer **MUST** be consulted to determine if the mounting point or surface is properly certified to safely hold the combined weight of the device, clamps, cables, and accessories.

Device should be installed away from walking paths, seating areas, or areas where unauthorized personnel might reach the fixture by hand.

INSTALLATION

WITH LINE ARRAY (ATL328)

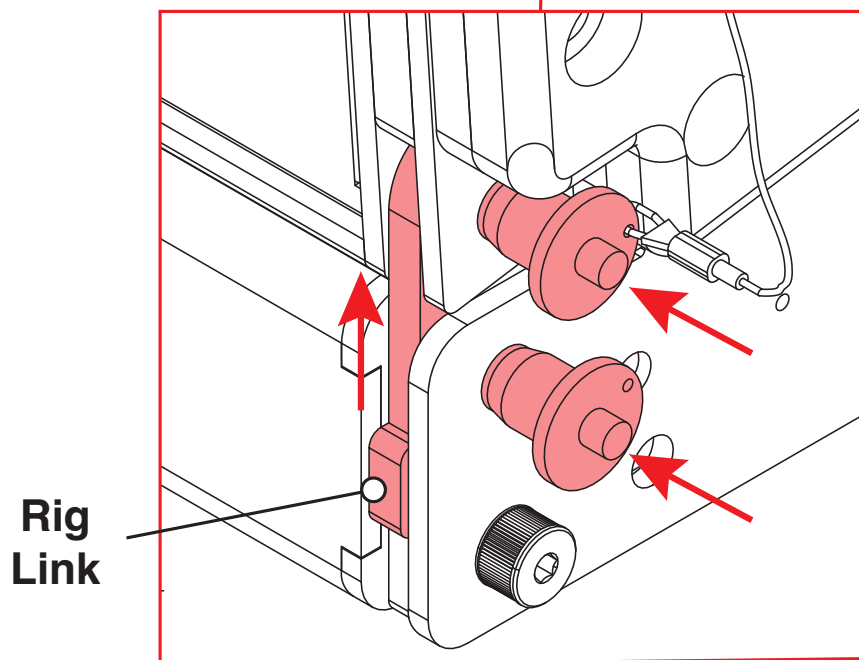
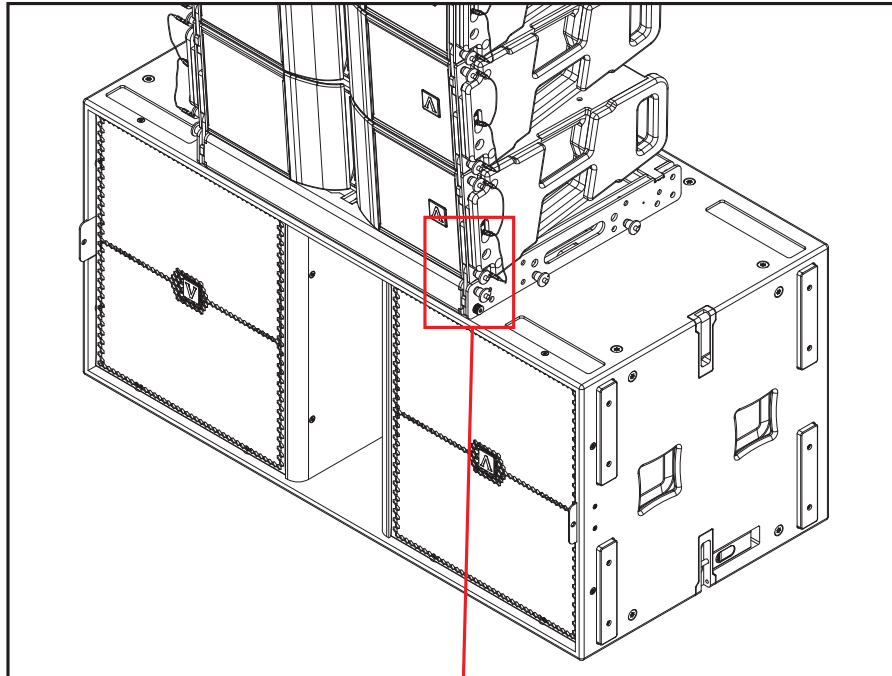
The Ground Stack Frame/Flybar can be used to mount Avante's ATL328 line array units atop the subwoofer. To do so, locate the four retractable rig links inside recesses on top of the subwoofer. Deploy these rig links by flipping them upward, then slip the Ground Stack Frame/Flybar over the rig links so that the rig links sit between the two sections of the outer rails of the Ground Stack Frame/Flybar. Insert a locking pin through each mounting location to secure in place.



INSTALLATION

WITH LINE ARRAY (ATL328)

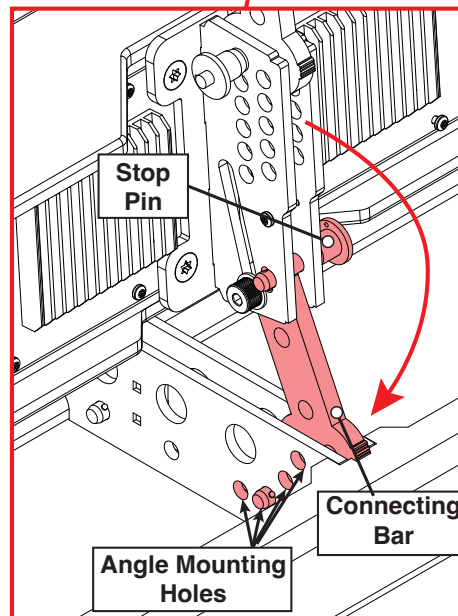
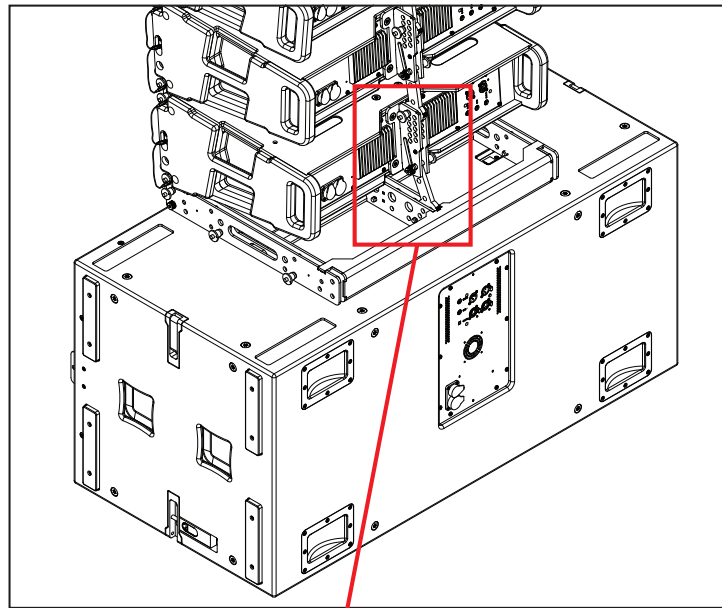
Place the first line array atop the Ground Stack Base. The speaker grilles should be oriented toward the side of the Ground Stack Base with the retractable rig links. **DUE TO THE WEIGHT OF THE UNIT (60 LBS / 27.2 KG), LIFTING SHOULD BE DONE BY A TEAM OF AT LEAST TWO PEOPLE IN ORDER TO AVOID INJURY.** Remove the locking pin on the side of the Ground Stack Base, as well as the lower pin on the line array unit. Extend the rig link on the Ground Stack Base so that it inserts into the matching mounting slot on the bottom of the line array (outboard of the speaker grill). Re-insert the two locking pins to secure in place. Repeat for the second rig link and mounting slot.



INSTALLATION

WITH LINE ARRAY (ATL328)

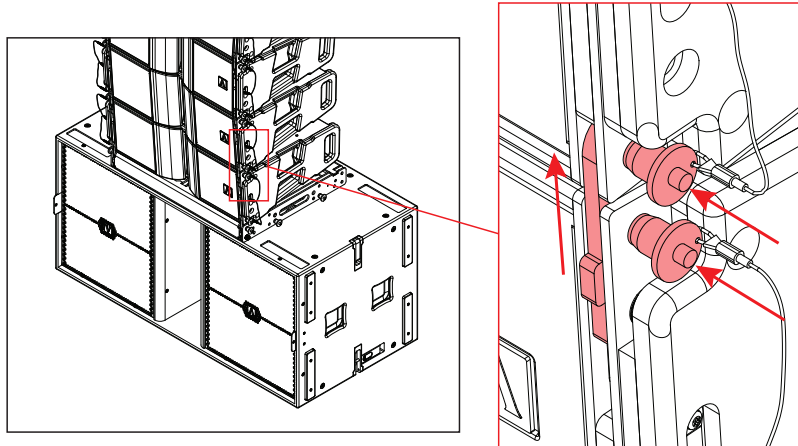
Next, go around to the rear of the line array. Locate the angle adjustment bracket in the middle of the line array unit. Remove the stop pin from the angle adjustment bracket, then swing the central connecting bar section of the bracket downwards, and re-insert the stop pin. The stop pin should be positioned above the connecting bar such that it prevents the connecting bar from swinging back upwards into its original position. Find the angle mounting holes, which are group of holes in the middle beam of the Ground Stack Base, and select the hole that corresponds with the desired mounting angle of the speaker unit. Align the hole in the free end of the connecting bar with the desired angle mounting hole on the Ground Stack Base, then insert the locking pin to secure it in place. Tighten the sliding upper end of the connecting bar to secure its position. The speaker is now securely attached to the Ground Stack Base.



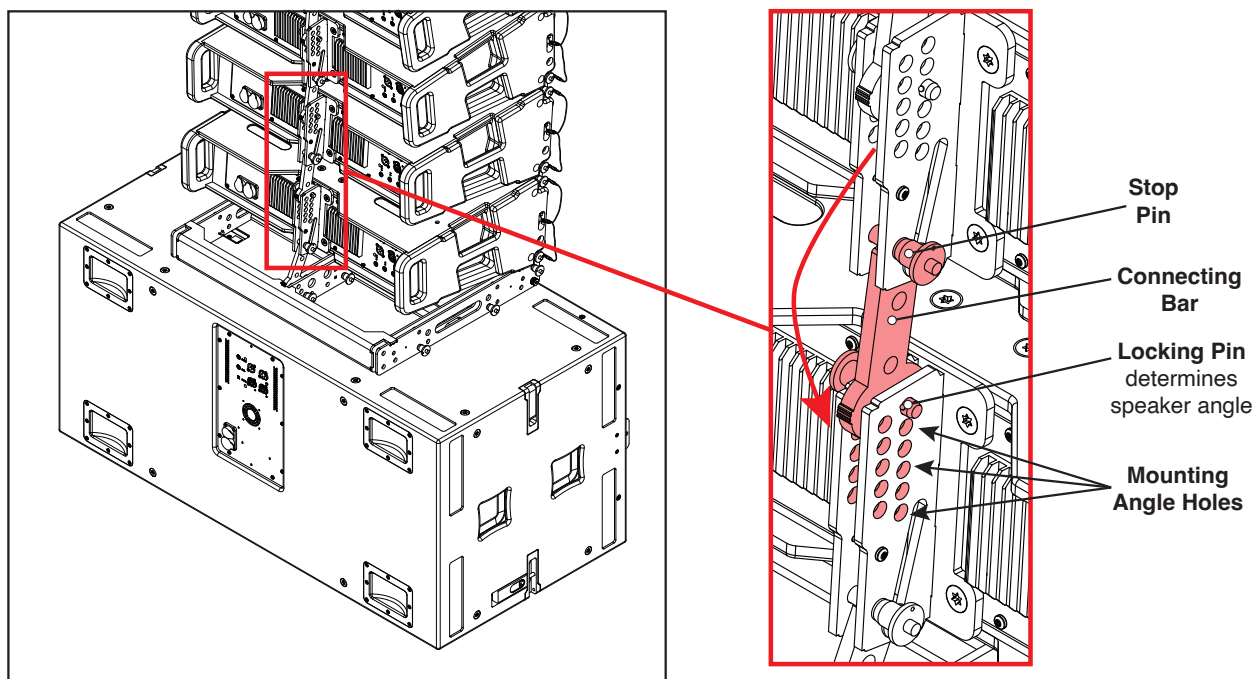
INSTALLATION

WITH LINE ARRAY (ATL328)

To stack additional line array units, begin by aligning a second unit atop the first one, using the slots and ridges on the top and bottom faces to align the two speakers. **DUE TO THE WEIGHT OF THE UNIT (60 LBS / 27.2 KG), LIFTING SHOULD BE DONE BY A TEAM OF AT LEAST TWO PEOPLE IN ORDER TO AVOID INJURY.** Extend the rig links of the lower unit, inserting them into the mounting slots of the upper unit, then secure in place with the locking pins on the side of the speaker.



Next, go around to the rear of the speaker stack. Locate the angle adjustment bracket in the middle of the upper line array unit. Remove the stop pin from the angle adjustment bracket, then swing the center connecting bar section of the bracket downwards, and re-insert the stop pin. The stop pin should be positioned above the connecting bar such that it prevents the connecting bar from swinging back upwards into its original position. Align the hole in the free end of the upper unit's connecting bar with the hole in the lower unit's angle adjustment bracket that is marked with the desired mounting angle. Insert the locking pin to secure it in place. Tighten the sliding upper end of the connecting bar to secure its position in its slot. The upper unit is now securely attached to the lower one.

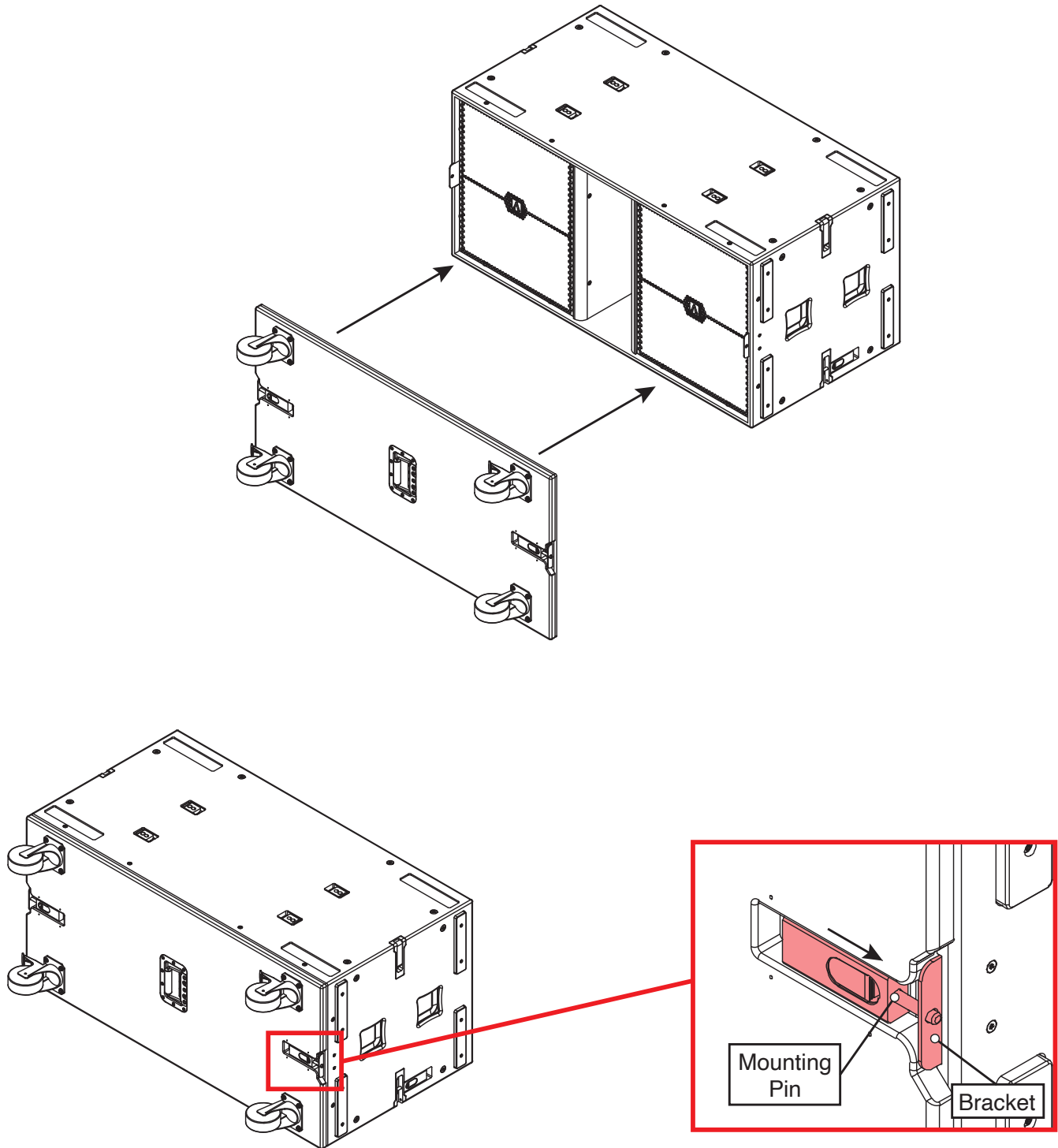


Repeat this process for each speaker unit that will be stacked. **The maximum number of units that can be ground stacked in this manner is 5 units. Do not exceed this quantity!**

INSTALLATION

WITH DOLLY BOARD

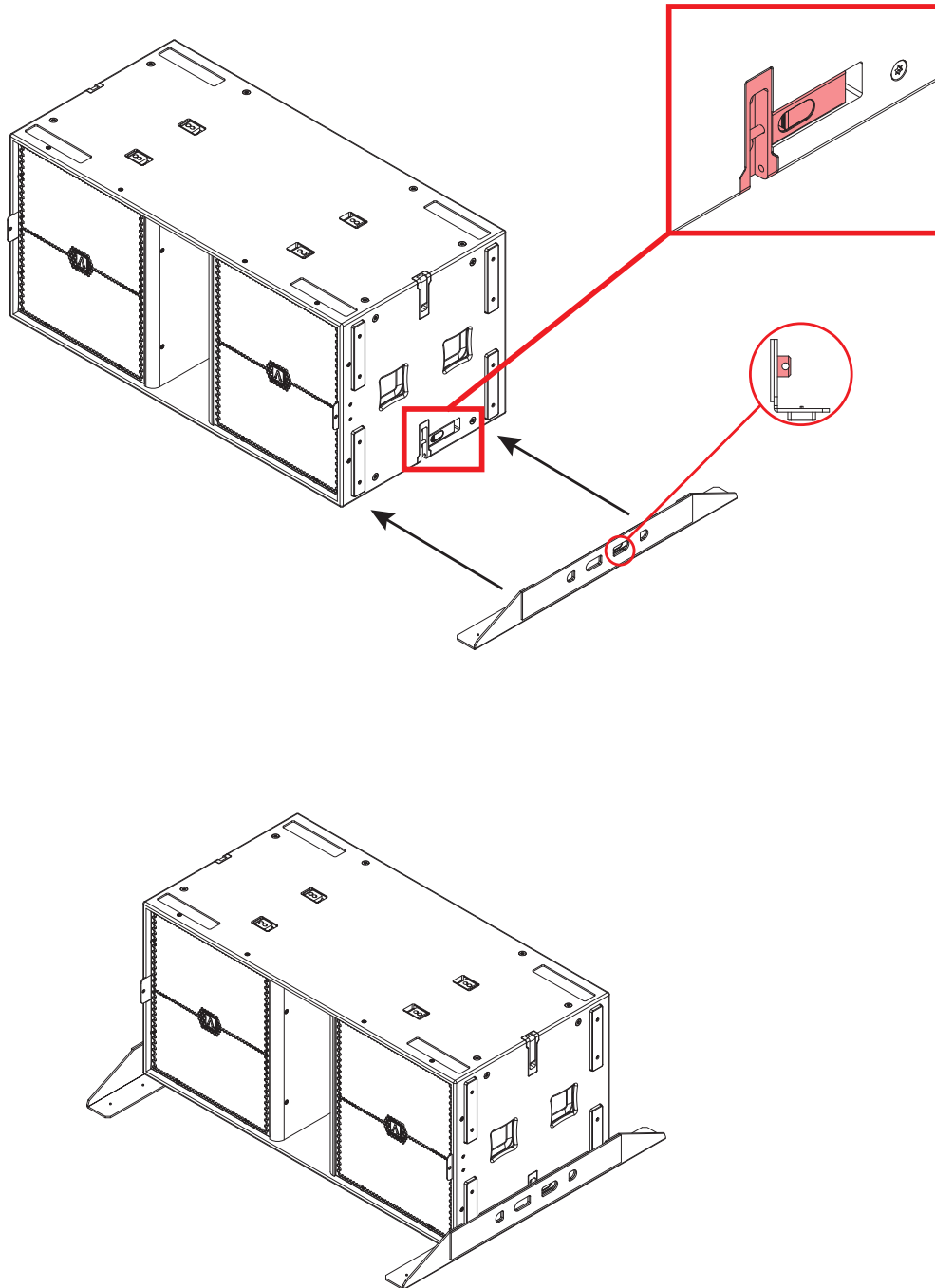
This unit can be installed on a wheeled dolly board for easy transportation. Place the dolly against the speaker side of the unit, then locate the two mounting pins on the underside of the dolly board. Pull back on the spring loaded slider on each mounting pin to open up the pin assembly, align with the brackets on the unit outboard of the speakers, then release the slider to lock it in place.



INSTALLATION

STABILIZER BARS

This unit can be fitted with stabilizer bars for greater mounting stability. To install the stabilizer bar, locate the mounting pin near the bottom edge of the unit. Pull back on the spring loaded slider to open up the mounting pin, align it with the bracket on the inside of the stabilizer bar, then release the slider to lock it in place.



SPECIFICATIONS

TECHNICAL DATA:

- Speaker Type: 1-Way Active Dual 18-inch Subwoofer, Milan™ certified

ACOUSTICAL DATA:

- Frequency Response: 35 -200 Hz
- Peak SPL: 142 dB
- LF: 2 x 18" (4" voice coil)

AMPLIFIER:

- Amplifier: Class-D 2400-Watts RMS / 4800-Watts Peak
- Cooling: Internal fan
- Power Supply: Auto switching (PFC)100V-240V, 50-60Hz
- Protection: Thermal, DC Offset, Output Short

PROCESSOR:

- German made Proprietary DSP, Milan™ Certified
- Sample Rate: 96 kHz
- Limiter: Multiband compressor, Peak Limiter
- Processing (filters): Linear Minimum-Phase FIR

INPUT:

- Signal In/Out (analog): 3-pin XLR, (digital) locking RJ-45
- Power Socket: IP65 Locking Power In/Out
- Network: Locking RJ45 In/Out for control and Milan™ network
- Controls: Input Attenuation (-15dB - +6dB); System presets (8 selectable), System Test/Reset Button
- Special Features: Front LED wink-ID

Remote Control:

- Full system control and monitoring with AKRO-Command system software. MAC and Windows PC compatible.

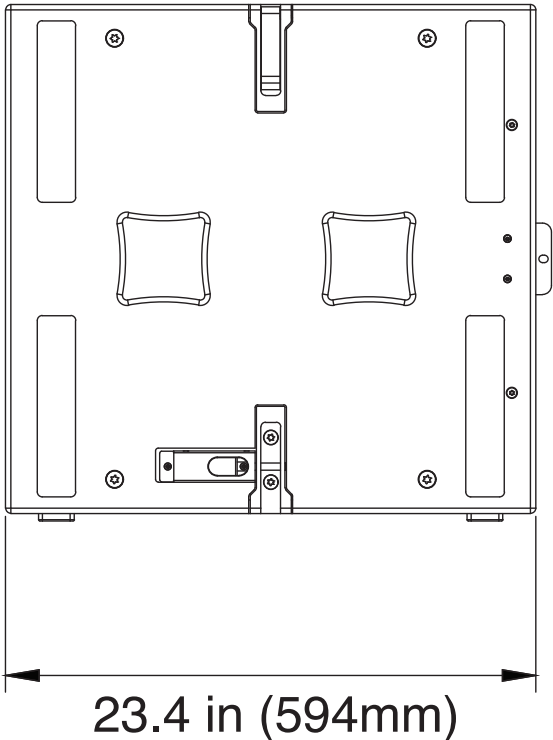
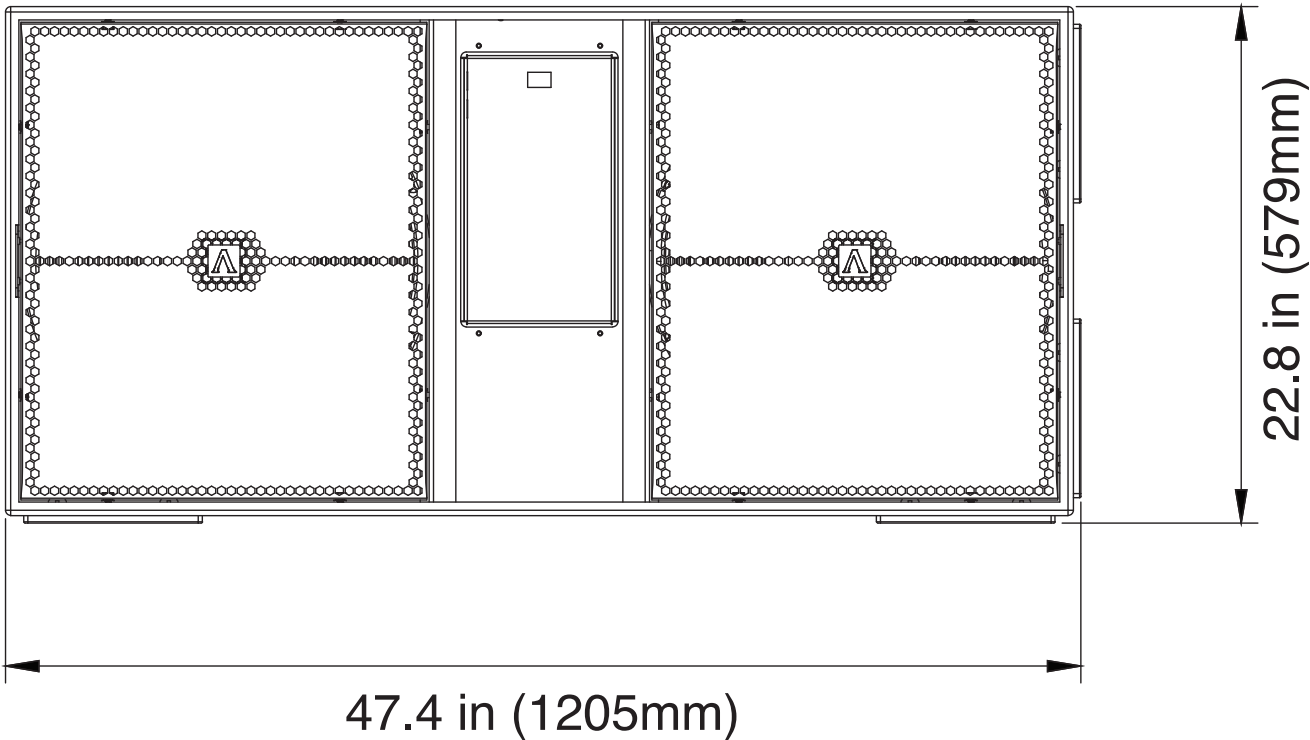
CONSTRUCTION:

- Cabinet: Baltic birch premium plywood
- Finish: Durable black Polyurea coating, powder coated galvanized grille, Nylon-skid interlocking feet.
- Handles: 4 integral handles (2 on each side)
- Amplifier Protection- Rain resistant cover included
- Rigging:(24) M10 points, (4) EZ-Link cabinet interlock hardware
- Dimensions (LxWxH): 47.4 " x 23.4" x 22.8" / 1205 x 594 x 579mm
- Weight: 185 lbs. / 84 kg.

ACCESSORIES:

- CVR218 Protective cover for one ATS218
- ADB218 Transport 2-way Dolly Board for up to two ATS218
- ASB218 Stabilizer Bars for ATS218 (2-piece set)

DIMENSIONAL DRAWINGS



COMPONENTS & ACCESSORIES

SKU (US)	SKU (EU)	DESCRIPTION
CVR218	Pending	Protective Cover, ATS218
ADB218	Pending	Transport Dolly Board, ATS218
ASB218	Pending	Stabilizer Bars (2-piece set), ATS218

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- Reorient or relocate the device.
- Increase the separation between the device and the receiver.
- Connect the device and the radio receiver to electrical outlets on separate electrical circuits.
- Consult the dealer or an experienced radio/TV technician for help.



