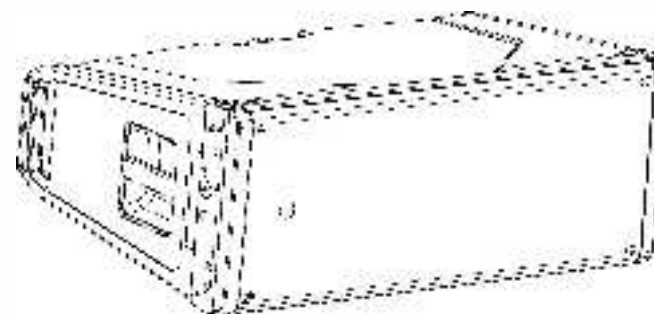




ZETHUS-A210PW

Dual 10" Powered Line Array



Sound Town Inc.

Los Angeles, California, USA

www.soundtown.com

PRODUCT MANUAL

IMPORTANT SAFETY INSTRUCTIONS

1. Read all safety and operating instructions before using this product.
2. All safety and operating instructions should be kept for future reference.
3. Read and understand all warnings listed on the operating instructions.
4. Follow all operating instructions to operate this product.
5. This product should not be used near water, i.e. Bathtub, sink, swimming pool, web basement etc.
6. Only use dry cloth to clean this product.
7. Do not block any ventilation openings, it should not be placed flat against a wall or placed in a built-in enclosure that will impede the flow of cooling air.
8. Do not install this product near any heat sources, such as, radiators, heat registers, stove or other apparatus (including heat producing amplifiers) that produce heat.
9. Do not defeat the safety purpose of 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 side blade or the third prong are provided for your safety if the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord being walked on or pinched particularly at Plugs, convenience receptacles and the point where they exit from the apparatus. Do not break the ground pin of the power supply cord.
11. Only use attachments specified by the manufacturer.
12. Use only the cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used use caution when moving cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Care should be taken so that objects do not fall and liquids are not spilled into the unit through the ventilation ports or any other openings.
15. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way; such as, power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.
16. **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
17. When the MAINS plug, or an appliance coupler is used as the disconnect device, the disconnect device should remain readily operable.
18. **Protective Ground Terminal:** The apparatus shall be connected to an AC main socket with a protective earth ground connection.



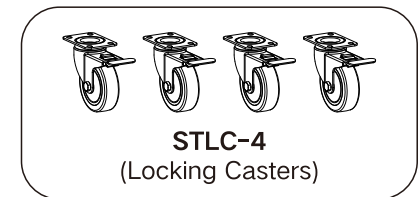
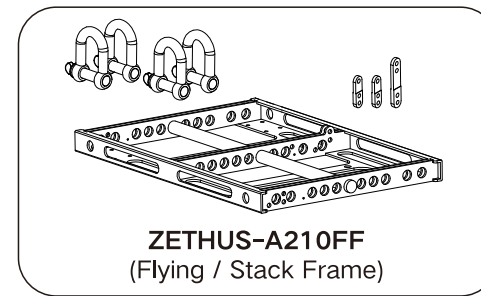
FEATURES

- Ideal for small to medium indoor or outdoor applications.
- Built-in Class-D amplifier with DSP presets for different setups and applications.
- Versatile configurations and easy set up.
- Light-weight and easy mobility.

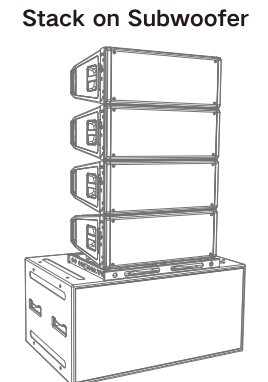
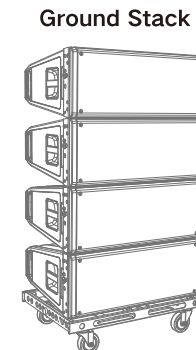
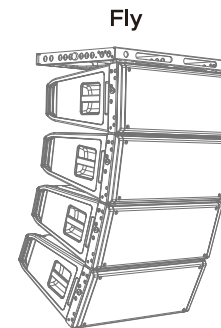
In the package

- *1× ZETHUS-A210PW Powered Line Array
- *1× User Manual
- *1× Edison (male) to PowerCON Cable 6ft
- *1x PowerCON in to out extension cable 1.65ft

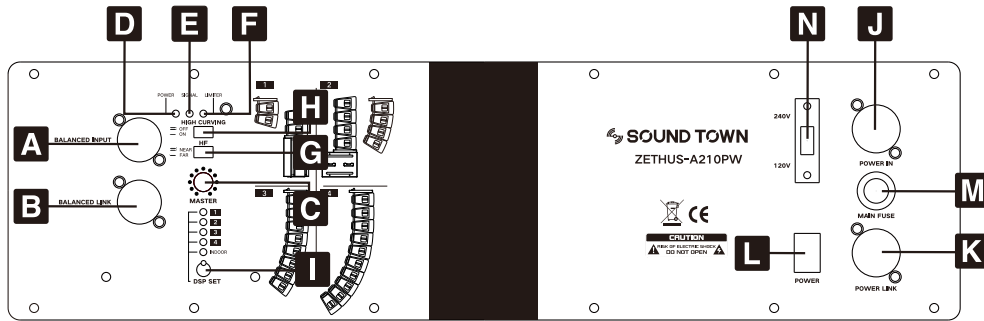
Optional Accessories (Sold Separately)



Configurations



Rear Panel Instruction



A. INPUT CONNECTOR

The XLR Female & 1/4" combo input connector is configured as a mono balanced input and should be connected to the main line level output from your mixer or audio source. For optimal performance, an audio source with balanced line outputs should be used in order to reduce possible noise and keep the input stages of the system at acceptable levels, thereby avoiding clipped input signals.

B. LINK OUT- LOOP THROUGH

The XLR LINK OUT loop-through connector enables linking out the signal to multiple powered speaker units.

C. MASTER LEVEL CONTROL

The rotary level potentiometer controls the output level volume of the ZETHUS-A210PW speaker. It is good practice to have the level potentiometer at its lowest setting (rotated completely anti-clockwise) prior to switching the ZETHUS-A210PW on or off.

D. POWER LED

This indicator will light up when the unit is turned on.

E. SIGNAL LED

This indicator will blink when there is a signal input.

F. LIMIT LED

This indicator lights up when the amplifier is near clipping. An occasional flickering is acceptable. If the LED is lit continuously, adjust the master level control and reduce the output level of connected sources. Failure to do so may lead to premature failure of the speaker.

Rear Panel Instruction

G. HF

This switch gives the possibility to set high frequencies correction depending on target distance:

- NEAR (suggest to use for pole mount applications or near field)
- FAR (suggest to use for flying setup or farthest field)

H. HIGH CURVING

When this switch is pressed in the 'ON' position, it will trigger a boost for mid-high frequency.

I. DSP PRESETS

- PRESET 1: Used for pole mount applications ground stacking (2~3 modules)
- PRESET 2: Used for pole mount or small flown system (4~6 modules)
- PRESET 3: Used for medium flown system (7~9 modules)
- PRESET 4: Used for large flown system (10~12 modules)

J. POWERCON IN CONNECTOR

Mains AC Input connector. Only use the cable supplied with this speaker to power up the unit. **DO NOT** modify the cable in any way.

K. POWERCON OUT CONNECTOR

Mains AC loop-through Output connector, allowing multiple ZETHUS-A210PW speakers to be powered by the same mains outlet. Only use Powercon Output-Powercon Input cables to connect multiple speaker cabinets. 3 core cable (Live, Neutral and Earth), minimum 1mm diameter/core.

L. POWER ON-OFF SWITCH

The main power switch, which switches the speaker ON or OFF.

M. FUSE

220V/5A fuse

N. POWER SELECTOR

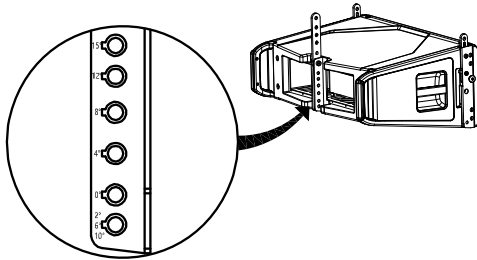
This switch is supplied for moving the unit from 115 voltage (US standard) to 230 voltage (European standard). The switch needs to be set on the proper voltage for your area.

Installation & Mounting

ZETHUS-A210PW speakers can be ground-stacked or hung/suspended together with the associated speaker pole accessories and fly frame. It also includes integrated flying/ground-stack hardware, allowing for multiple cabinets to be coupled in a vertical line with the option of various individual splay angles between 0° and 15° when flown.

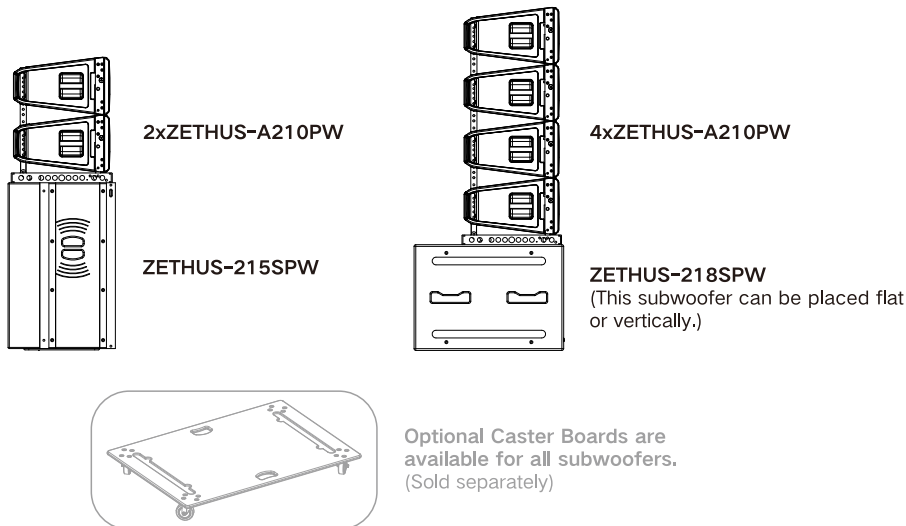
REAR RIGGING BAR

The rigging bar is used for both ground-stacking and flown applications. It has multiple vertical splay angles between 0° and 15° as demonstrated below, making various vertical curvature arrays possible, thus, suiting most venues. Through careful project planning and the correct curvature integration, a smooth and consistent SPL is achievable throughout the target audience.



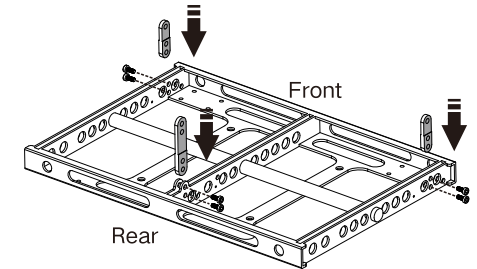
GROUND-STACK WITH A SUBWOOFER

Ground-stack configuration can be designed using ZETHUS-A210PW cabinet. It's recommended to do setup coupled with dual 15" powered subwoofer ZETHUS-215SPW for a small to medium indoor scenario (up to 600 people) or coupled with the dual 18" powered subwoofer ZETHUS-218SPW for larger indoor or outdoor scenario (up to 1500 people).

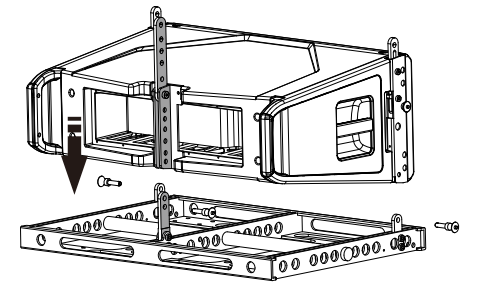


Installation & Mounting

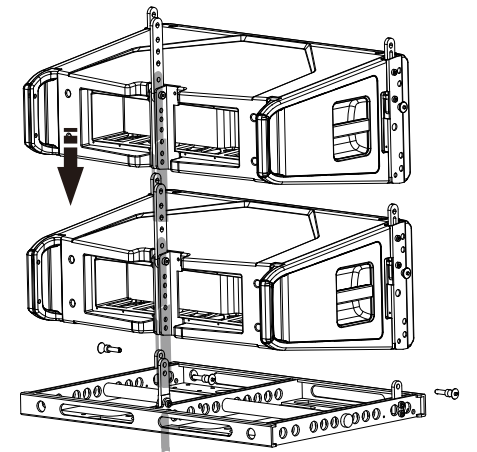
1: Position the stack frame in the center of the top of the subwoofer. Secure the 3 metal rigging hardware at the three support points to the stack frame using hex-head screws, as shown in the right.



2: Align the front-end left and right rigging holes of the ZETHUS-A210PW with the front-end rigging holes of the A210FF stack frame and secure the left and right side with the quick lock pins. Lift the rear of the ZETHUS-A210PW and align the rear rigging hardware to the rear rigging hole of the ZETHUS-A210PW, then secure the rear side with the quick lock pin. (In stacking mode, It's recommended to lock only at 0°.)



3: Repeat step 2 with the second cabinet or more. (It's recommended not to exceed a maximum of 6 speakers in stacking mode.)



Installation & Mounting

FLOWN APPLICATION

SAFETY WHEN FLYING THE ZETHUS-A210PW CABINETS

Ensure the structure from which the line array will be hung is certified by a qualified structural engineer.

Only use the correct fly frame (ZETHUS-A210FF) when flying the ZETHUS-A210PW cabinets, and before use perform a visual check on the fly frame for any damage that may have occurred in previous usages.

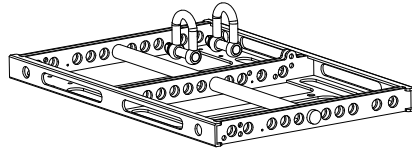
It is recommended that the hoist and shackles that are used for suspending the line array be rated with an 8x safety margin of total load for indoor applications and a 16x safety margin of total load for outdoor applications.

Never suspend the line arrays above the audience or technical crew, especially when using the line array for a temporary event.

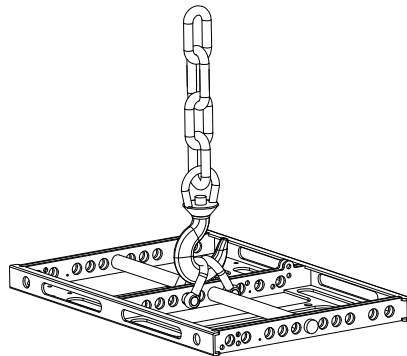
Always suspend the line arrays with the inclusion of safety chains that are not taut, with as little falling distance as possible required for the safety chain to hold the load.

STEP PROCEDURE FOR FLYING APPLICATION

1: Attach the two shackles securely to the fly frame.



2: Attach the lifting hoist securely to the shackles.

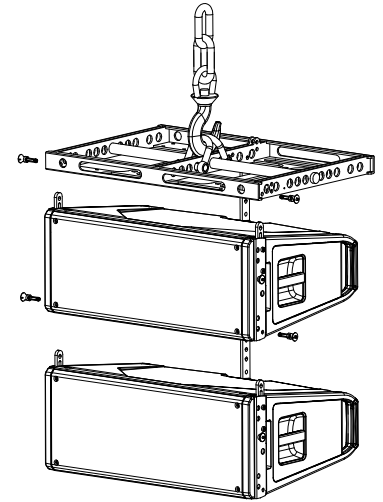


Installation & Mounting

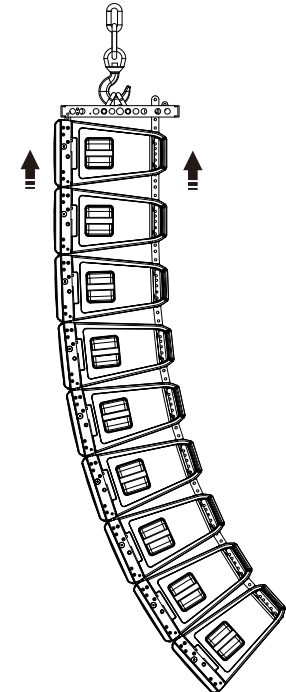
3: Align the top front-end rigging holes of the A210PW with the front-end rigging holes of the A210FF fly frame, and secure the left and right side with the quick lock pins.

Lift the rear of the A210PW cabinet and align the desired angle of the integrated splay bar with the fly frame using the quick lock pin.

4: Repeat the step for the next cabinet to be installed until the complete line has been hung. It's not recommended to hang more than 12 cabinets in a line.



5: Once the complete array has been hung, lift the array slightly off the ground until it is freely suspended and ensure that the overall angle is correct.



How can we help you?

CONTACT OUR US-BASED SUPPORT TEAM

Simple or complex, your questions are important to us. For service, support or more information, please contact the Sound Town support team:

Email: support@soundtown.com