

WILL USE KEYSHOT IMAGES HERE



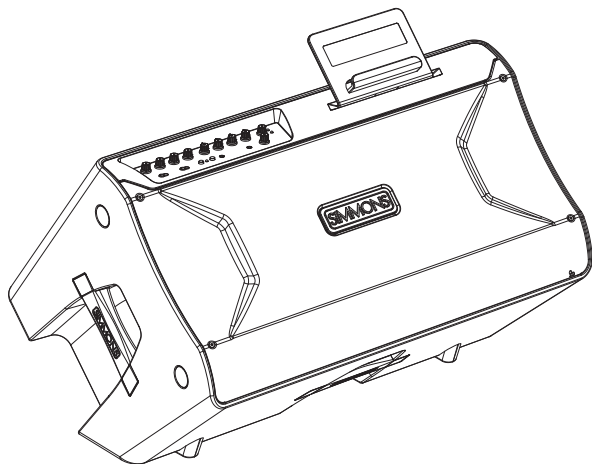
DA2100 SERIES

ADVANCED ELECTRONIC DRUM AMPLIFIERS

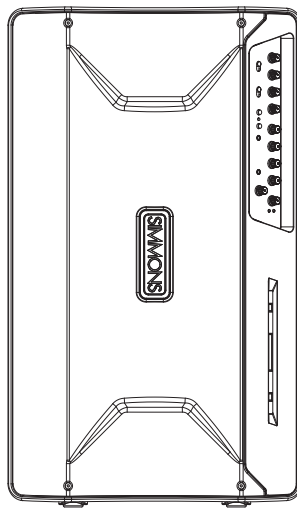
OWNER'S MANUAL

INITIAL SETUP

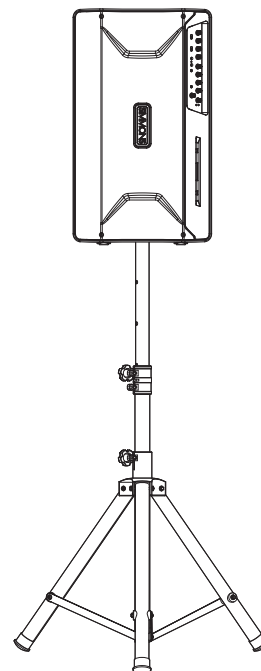
Position your DA2100 Series amplifier in the desired location, and ensure the amp is stable.



Floor



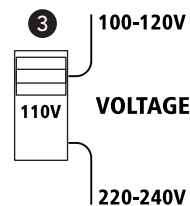
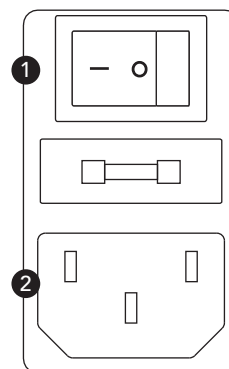
Free-standing



Pole
(speaker stand not included)

POWER

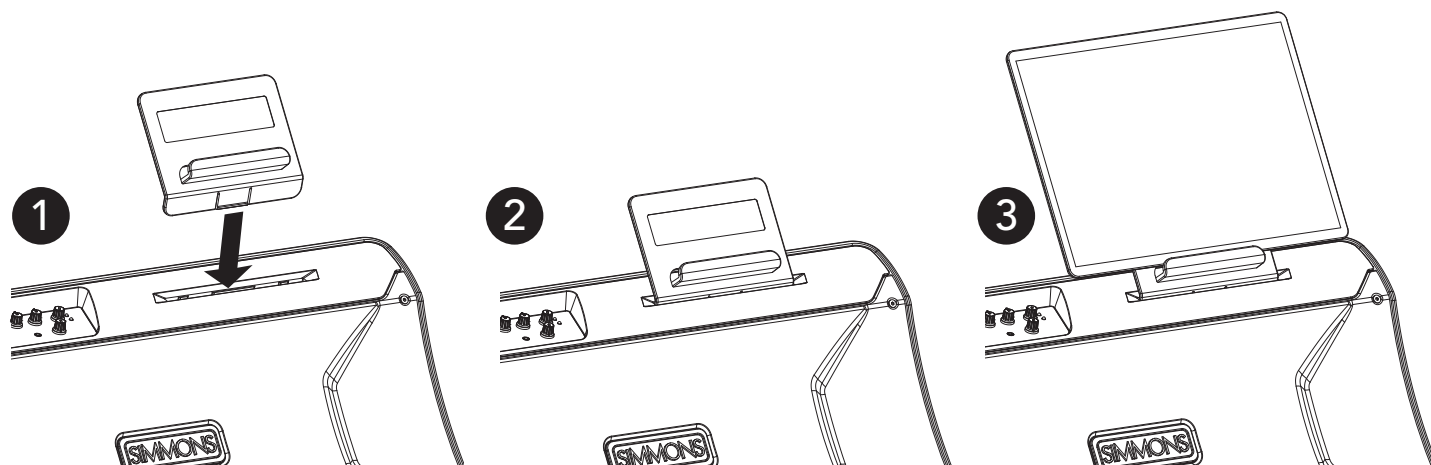
- Make sure the ① power switch is set to the OFF (0) position.
- Connect the included detachable IEC power cable from a power outlet to the ② power cable input.
- The ③ red voltage switch comes factory-set to the position appropriate for the market where the amplifier is sold. For the USA, this is 100-120V.



VOLTAGE

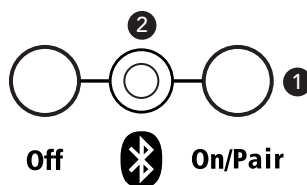
DEVICE HOLDER

- Each model in the DA2100 series ships with a removable mobile device holder as an accessory inside the retail packaging.
- When using your amp in floor wedge position, you can attach the holder to the front-panel as shown below.
- Slide the angled bottom end of the device holder into the ❶ front panel slot, until it ❷ clicks into place.
- Now you can keep your ❸ tablet or smart-phone held in a convenient position during performance or rehearsal.
- Please remove the cradle before transporting the amplifier, or when using the amplifier on a speaker pole or standing upright.



BLUETOOTH® CONNECTING

- Press the ❶ front panel On/Pair button so that the ❷ Bluetooth LED flashes, indicating that Bluetooth audio is enabled and ready for pairing
- From your Bluetooth source device, select your drum amplifier's model number (DA2108, DA2110 or DA2112) to pair
- Play audio from your source device, making sure your device's volume is turned up, as well as the amplifier's volume



BLUETOOTH® TROUBLESHOOTING

These steps should resolve any Bluetooth trouble you may encounter:

Power off the DA2100 Series amplifier and leave it off, then follow directions for Apple and Android devices below:

- | | |
|--|---|
| <ul style="list-style-type: none"> • On your Apple iOS device <ol style="list-style-type: none"> 1. Open Settings app, select Bluetooth 2. If your amplifier is listed under MY DEVICES, touch info button, tap to Forget This Device 3. Turn off Bluetooth, wait 10 seconds, turn on Bluetooth | <ul style="list-style-type: none"> • On your Android device <ol style="list-style-type: none"> 1. Open Settings, select Bluetooth 2. If DA2012B is listed under Paired Devices, touch gear icon, and tap to unpair 3. Turn off Bluetooth, wait 10 seconds, turn on Bluetooth |
|--|---|

Then power on your DA2100 Series amplifier, press the Bluetooth On/Pair button, and follow the Bluetooth Connecting steps above

QUICK START: INPUT

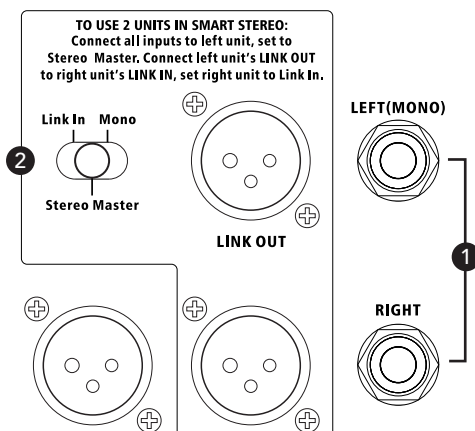
INPUTS

- Connect your electronic drum sound module's audio outputs to the **1** INPUT 1 jacks on the amplifier rear panel
- Stereo Input: use 2 cables to connect to both the INPUT 1 LEFT(MONO) and RIGHT jacks
- Mono Input: use 1 cable to connect to the INPUT 1 LEFT(MONO) input jack only
- If you'd like to amplify additional sources, connect them to the remaining rear panel inputs, or the front panel aux input

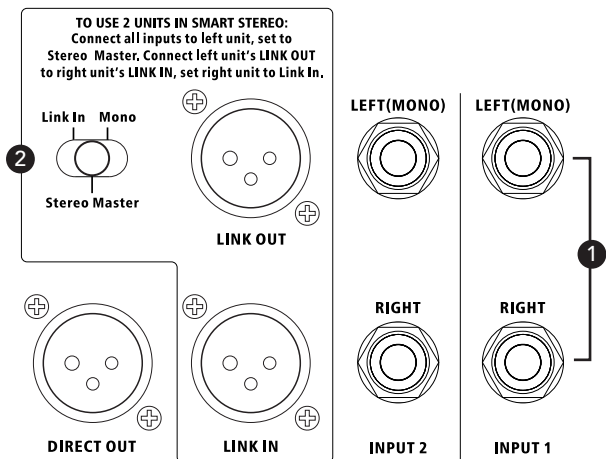
ROUTING SWITCH

- If you are using a single DA2100 series amplifier, set the **2** rear panel switch to Mono
- For dual-amp stereo configuration, see Smart Stereo on the next page

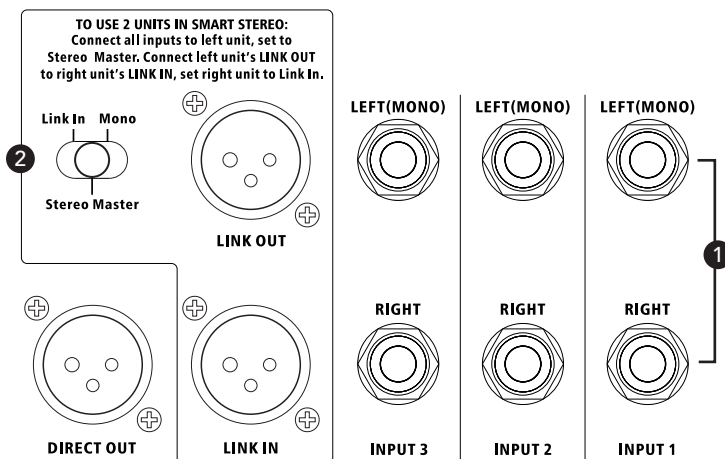
DA2108 REAR PANEL



DA2110 REAR PANEL



DA2112 REAR PANEL



QUICK START: CONTROLS

VOLUME CONTROLS

- Turn all **3** input level control knobs to the minimum position
- DA2112 only: also turn the Master **4** knob to minimum

VOICING SWITCH

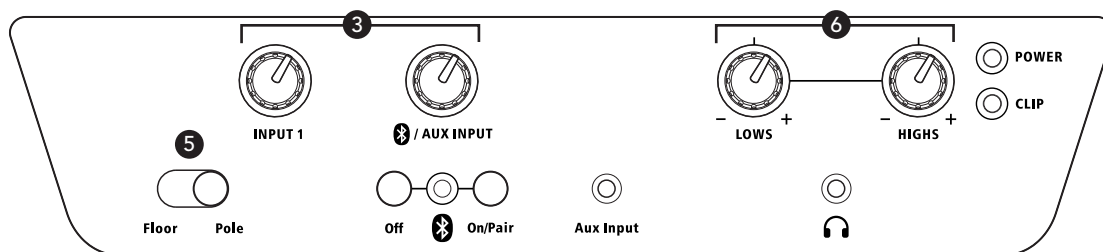
- Set the **5** Voicing switch to Floor when using the amplifier lying horizontally on the floor, or free-standing vertically
- Set the switch to Pole when using the amplifier on a speaker pole

POWER ON

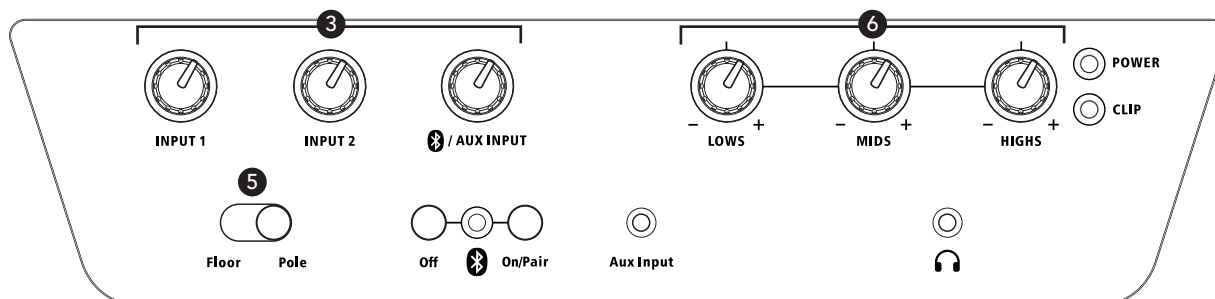
- Power on the drum sound module and set its output volume to max
- Then power on the amplifier, via the rear panel switch
- DA2112 only: turn the Master **4** knob to noon position
- Turn up the INPUT 1 knob **3** while playing your drum sound module, until you reach a comfortable listening level

EQ

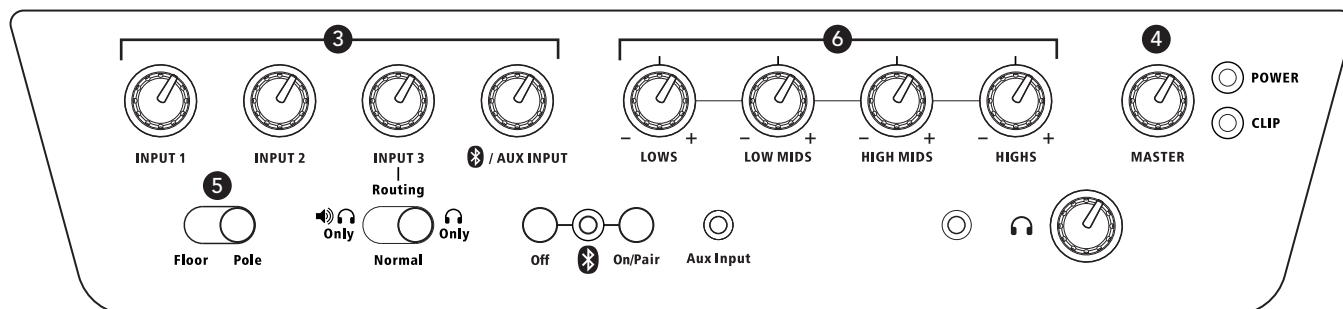
- Turn the EQ knobs **6** to adjust your tone as desired



DA2108 FRONT PANEL



DA2110 FRONT PANEL



DA2112 FRONT PANEL

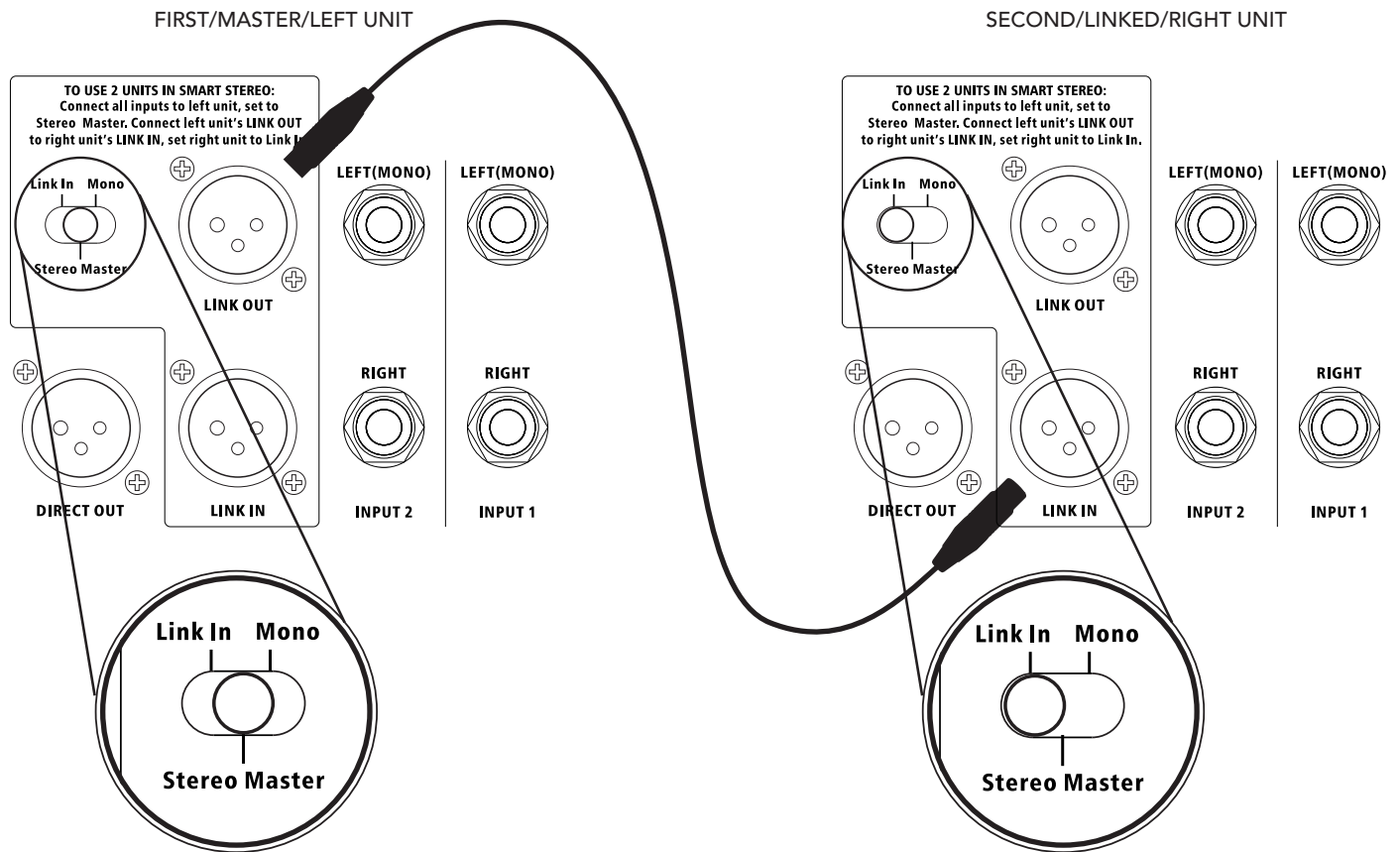
SMART STEREO WITH PAIR OF AMPLIFIERS

A pair of DA2100 Series amplifiers can operate together as a Smart Stereo system, giving you control of the sound and volume of both amplifiers from the first master amplifier, and optimally distributing all audio inputs to both for rich stereo sound.

- Use two like amplifiers: two DA2108s, two DA2110s, or two DA2112 amplifiers
- Set the switch on the first amplifier to Stereo Master
- Set the switch on the second amplifier to Link In
- Connect a standard microphone cable (female XLR to male XLR cable) from the first unit's LINK OUT jack to the second unit's LINK IN jack

CONNECT ALL INPUTS TO FIRST AMPLIFIER ONLY

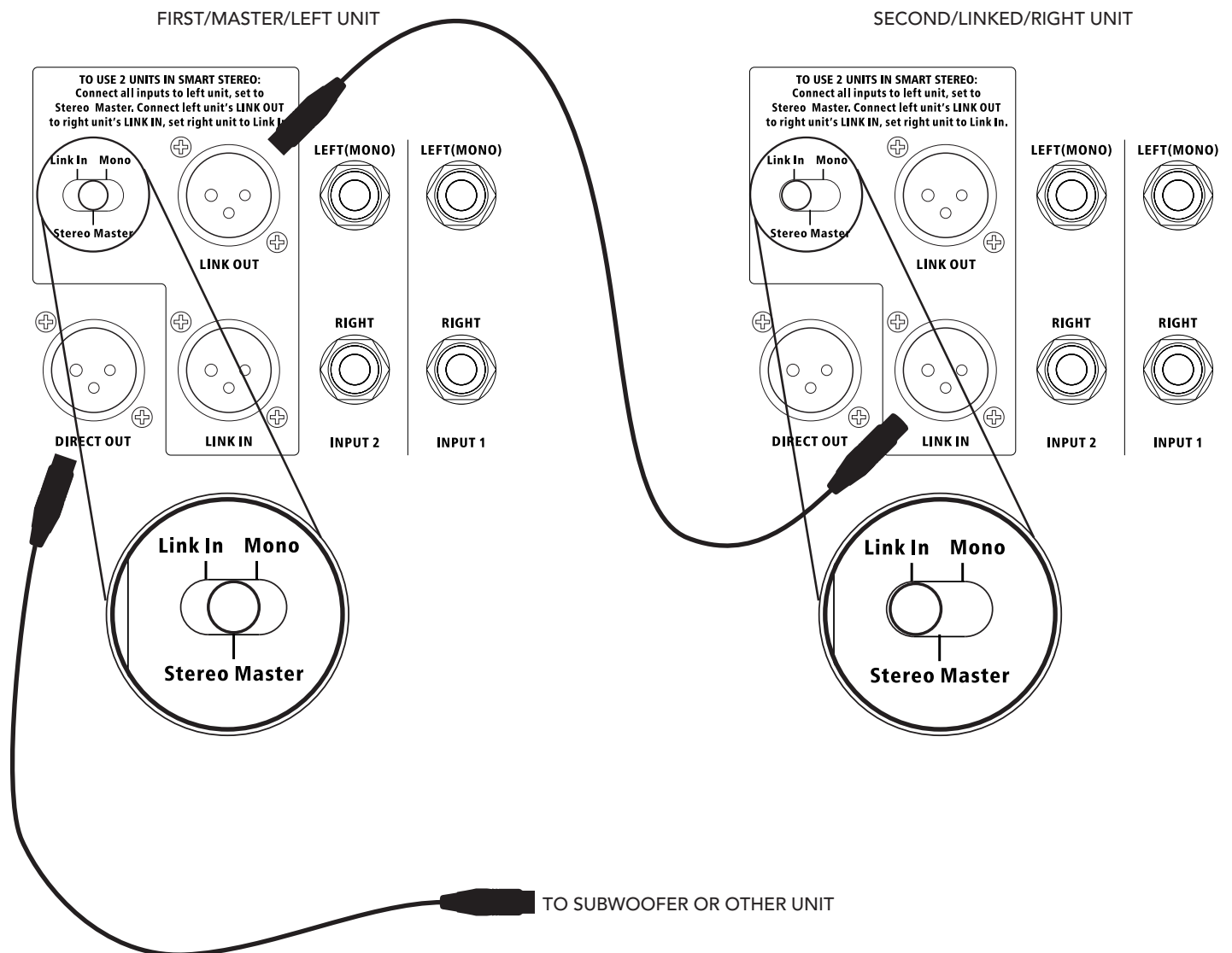
- Connect all inputs and make all sound settings on the first (left) unit only, this will be the master amplifier
- All inputs and controls on the second amplifier will be disabled
- For headphones, use the headphone jack on the first amplifier



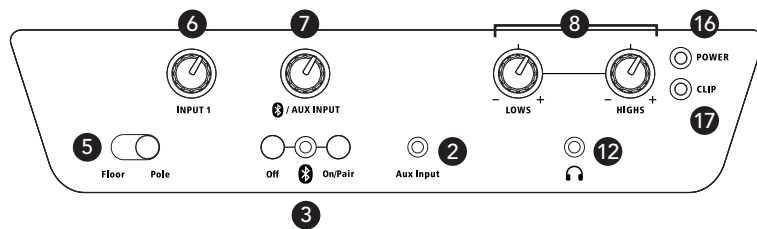
SMART STEREO WITH SUBWOOFER OR DIRECT OUT

To connect a subwoofer, or a direct out, the setup is the same as on the opposite page, but you can add a connection from the first unit's DIRECT OUT jack to a subwoofer or other audio receiving device, as shown below.

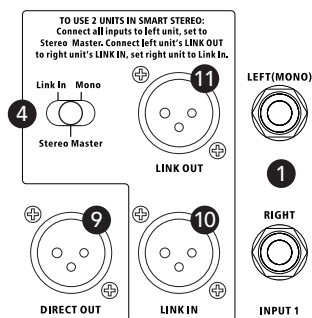
- The DIRECT OUT provides a full-range, mono signal
- The DIRECT OUT level is not effected by the MASTER knob of the DA2112.



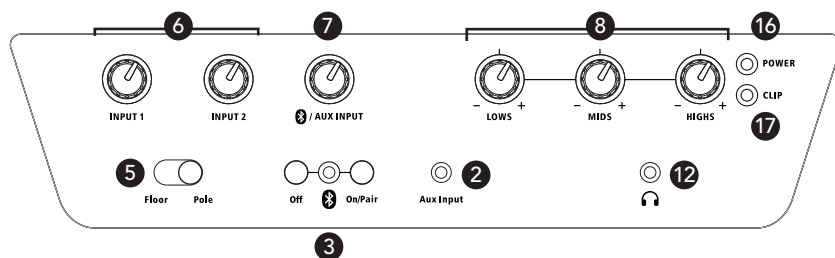
CONNECTIONS AND CONTROLS



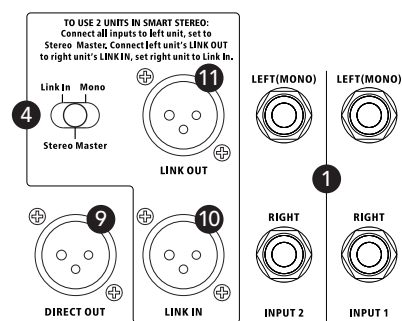
DA2108 FRONT PANEL



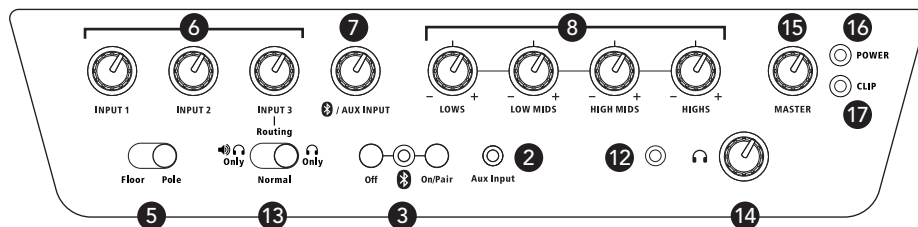
DA2108 REAR PANEL



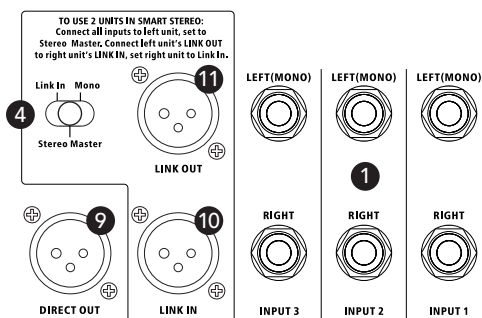
DA2110 FRONT PANEL



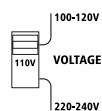
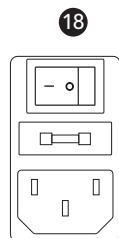
DA2110 REAR PANEL



DA2112 FRONT PANEL



DA2112 REAR PANEL



REAR PANEL POWER

CONNECTIONS AND CONTROLS

1 REAR PANEL BALANCED LINE INPUTS

- Balanced or unbalanced line level sources can be connected here.
- Mono sources: connect to Left/Mono jack only
 - Stereo sources: connect separate cables to Left/Mono and Right

2 FRONT PANEL AUX INPUT

- Use this input to connect the audio cable from a computer, smartphone, tablet, or other audio source.
- This jack accepts stereo or mono input.

3 BLUETOOTH AUDIO INPUT

The On/Pair button forces any currently connected Bluetooth audio source to disconnect, and makes the amplifier available for pairing.

The Off button disables Bluetooth.

To pair, look for your amplifier's model number (DA2108, DA2110, or DA2112) from your Bluetooth audio source device

- The LED blinks when available for pairing.
- The amplifier's Bluetooth LED is lit solid when currently paired.
- The LED is off if Bluetooth has been disabled by a press of the Bluetooth Off button.

When Bluetooth is off, and you press the On/Pair button

- The amplifier will automatically reconnect to the previous Bluetooth audio source if it is available
- It will otherwise be available for Bluetooth pairing from a source audio device such as a smartphone

4 MONO / STEREO MASTER / LINK IN SWITCH

- Mono: This amplifier will output mono audio, and send mono audio to the OUT jack so it's available for any other amplifier or sound system.
- Stereo Master: This amplifier will operate as the master unit of a Smart Stereo pair. Use a mic cable (female XLR to male XLR cable) to connect this amplifier's LINK OUT to the LINK IN jack of a second amplifier of the same type. All inputs should be connected to the first master amplifier, which will also set the volume and tone of both amplifiers.
- Link In: Use this setting for the second amplifier of a Smart Stereo pair. The audio from the LINK IN will be routed directly to the power amp and speaker, with all other inputs and controls being ignored.

5 FLOOR/POLE VOICING SWITCH

- The switch tunes the amplifier to give a consistent frequency response whether placed on the floor or on a speaker pole:
- FLOOR: standard tuning, to be used when the amplifier is lying horizontally on the floor, or free-standing vertically on the floor
 - POLE: optimizes the tuning for use on a speaker pole

6 LEVEL KNOBS FOR REAR PANEL INPUTS

These knobs set the input volumes for the rear panel inputs.

7 LEVEL KNOB FOR BLUETOOTH/AUX INPUT

This knob sets the input volumes for both Bluetooth audio input, and the front panel aux input jack.

8 EQ KNOBS

Adjust the overall sound of the amplifier for your sonic preference.

11 DIRECT OUT JACK

- Sends out a mono mix of all input signals of the DA2108 or DA2110.
- See 13 for DA2112's direct out routing options.

10 LINK IN JACK

- Activated only when 4 switch is set to LINK IN
- Audio received at this jack is routed directly to the power amp, bypassing the volume and EQ knobs of the receiving amplifier
 - See previous page Smart Stereo configurations

11 LINK OUT JACK

- Configured by 4 switch
- Mono: sends out mono audio.
 - Stereo Master: sends out right audio, for second amplifier's LINK IN.
 - Link In: sends out the same audio received at the LINK IN jack.

12 STEREO HEADPHONE OUTPUT

Connect headphones here to hear a stereo mix of all input signals of the DA2108 or DA2110.

- The headphone output level is determined by the input level controls

DA2112 headphone output level is set by a dedicated 14 knob.

- See 13 for DA2112's headphone routing options.

13 DA2112 ONLY: INPUT 3 ROUTING SWITCH

- This feature can be helpful when you want to monitor a click track, guide track or metronome, without it being amplified through the speaker or sent to the direct out. Connect that source to INPUT 3, and set this switch as desired:
- Center (normal): Input 3 goes to all outputs, like all other inputs.
 - Left (Speaker+Phones): Input 3 goes to speakers and headphones only, it is NOT included in the direct out.
 - Right (Phones Only): Input 3 goes the headphones only, it is not sent to speakers or direct out.

14 DA2112 ONLY: HEADPHONE LEVEL KNOB

Sets the level for headphones, independent of the DA2112 master volume control

15 DA2112 ONLY: MASTER VOLUME KNOB

Adjusts the volume level from the amplifier and speakers, independent of the headphone volume.

16 POWER LED

Lit when unit is powered on.

17 CLIP LED

Lit when power amp is clipping.

DA2108/DA2110: Turn down 6 input level knobs if CLIP LED lights.

DA2112: Turn down 6 input level knobs or MASTER 15 knob if CLIP LED lights.

18 POWER INLET, SWITCH, AND FUSE

- Connect included power cable to power inlet.
- If amplifier will not power on and you suspect its fuse may have blown, turn off the power switch, and open the fuse compartment next to the power switch using a small flat blade screwdriver.
 - If metal strip in fuse is broken, replace with fuse type indicated on rear panel.

SPECIFICATIONS

| | | | |
|---------------------------|---|--|---|
| Smart Stereo | A matching pair of DA2100 series amplifiers can be connected via a standard microphone cable, for unified volume and tone control from the first master amplifier, with optimal distribution of mono and stereo audio signals between both amplifiers, for immersive high-fidelity stereo sound | | |
| Floor/Pole Switch | Configures amplifier for consistent frequency response whether used on the floor, or on a speaker pole | | |
| Rear Panel Inputs (1/2/3) | Left/mono and right 1/4-inch TRS balanced/unbalanced compatible audio line inputs | | |
| Bluetooth Audio Input | Bluetooth 5.0 Stereo Audio Input, with On/Pair and Off buttons plus LED | | |
| Front Panel Aux Input | 1/8-inch mini TRS unbalanced input | | |
| Link In Jack | XLR balanced +4dBv audio input | | |
| Link Out Jack | XLR balanced +4dBv audio output | | |
| Direct Out Jack | XLR balanced +4dBv audio output | | |
| Power LED | Front panel white LED indicates power on | | |
| Clip LED | Front panel red LED indicates power amp clipping | | |
| Power Cable | Detachable IEC 3-connector USA standard | | |
| Power Input | Switchable: 110-120V/60 Hz or 220-240V/50Hz | | |
| Cabinet | Polypropylene | | |
| Grille | 1.2mm steel | | |
| Speaker Pole Socket | 35mm (1.35-inch) standard socket for speaker pole mounting (speaker pole not included) | | |
| Suspension Points | DA2100 Series Units Are Not Designed For Suspension | | |
| | DA2108 | DA2110 | DA2112 |
| Power Consumption | 100W | | 400W |
| Power Output | 100 Watts RMS 400 Watts Peak | | 350 Watts RMS 2000 Watts Peak |
| Headphone Output | 3.5mm Stereo Jack Silences speakers when connected | | 3.5mm Stereo Jack Dedicated volume control knob |
| Input 3 Routing | Not included | | To facilitate click track, metronome and backing track use in performance, input 3 can be routed to phones only, phones and speakers only, or phones, speakers and direct out |
| EQ Knobs | Lows: +/-12dB @ 65Hz Highs: +/-12dB @ 10KHz | Lows: +/-12dB @ 65Hz Mids: +/-12dB @ 2.5KHz Highs: +/-12dB @ 10KHz | Lows: +/-12dB @ 65Hz Low Mids: +/-12dB @ 350Hz High Mids: +/-12dB @ 2.5KHz Highs: +/-12dB @ 10KHz |
| Volume/Level Knobs | Input 1 Level knob Bluetooth/Aux Level knob | Input 1 Level knob Input 2 Level knob Bluetooth/Aux Level knob | Input 1 Level knob Input 2 Level knob Input 3 Level knob Bluetooth/Aux Level knob Master Volume knob Headphone Volume knob |
| Speaker Drivers | 8-inch Low Frequency driver 1-inch Compression driver | 10-inch Low Frequency driver 1-inch Compression driver | 12-inch Low Frequency driver 1-inch Compression driver |
| Frequency Response | 65-20K Hz | 55Hz-20KHz | 40Hz-20KHz |
| Max SPL@1M | 118dB | 120dB | 126dB |
| Product Dimensions | 17.25"W x 10.25"H x 10.1"D | 20"W x 11.8"H x 11.45"D | 24.1"W x 14.2"H x 14.2"D |
| Packaging Size | 20.1"W x 13.4"H x 13.4"D | 22.85"W x 15"H x 15"D | 28.1"W x 18.1"D x 18.1"D |
| Net Weight | 15.5 pounds | 20 pounds | 35 pounds |
| Gross Weight | 19 pounds | 24 pounds | 45 pounds |

IMPORTANT SAFETY INSTRUCTIONS

Please keep this instruction manual for future reference and for the duration of owning your Simmons DA2100 Series Advanced Electronic Drum Amplifier. Please carefully read and understand the instructions inside this owner's manual before attempting to operate your new amplifier.

This instruction manual includes essential safety information regarding the use and maintenance of the amplifier. Take special care to heed all warning symbols and signs inside this manual and those printed on the amplifier panel on the back of the unit.

WARNING

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THE AMPLIFIER TO WATER/MOISTURE, NOR SHOULD YOU OPERATE THE AMPLIFIER NEAR ANY WATER SOURCE.

The exclamation point triangular symbol is intended to alert the user to the presence of important operating and maintenance(servicing) instructions in the user manual accompanying the Amplifier.

The lightning flash with an arrow triangular symbol is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure, and may be of sufficient magnitude to constitute a risk of electric shock.

WARNING

Handle the power supply cord with care.

Do not damage or deform it as it may cause electric shock or malfunction when used. Hold the plug attachment when removing from wall outlet. Do not pull on the power cord.

IMPORTANT SAFETY PRECAUTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all Instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. DO NOT turn on the amplifier module before connecting all other external devices.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including 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 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.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachment/accessories 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 the 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. 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.
15. POWER SOURCES – This product should be operated only from the type of power source indicated on the rating label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.
16. WALL OR CEILING MOUNTING – The product should never be mounted to a wall or ceiling.
17. Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
18. OBJECT AND LIQUID ENTRY – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
19. Water and Moisture: This product should be kept away from direct contact with liquids. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
20. Keep the product out of extended or intense direct sun light.
21. No containers filled with any type of liquid should be placed on or near the product.
22. SERVICING – The user should not attempt any service to the speaker and/or amplifier beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.
23. VENTILATION – Slots and openings in the amplifier are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack.
24. Protective earthing terminal: The apparatus should be connected to a main socket outlet with a protective earthing connection.
25. ACCESSORIES – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product.
26. When moving or not using the appliance, secure the power cord (e.g., wrap it with a cable tie). Be careful not to damage the power cord. Before using it again, make sure the power cord has not been damaged. If the power cord has been damaged at all, bring the unit and cord to a qualified service technician for repair or replacement as specified by the manufacturer.
27. LIGHTNING – For added protection during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the product due to lightning and power-line surges.
28. REPLACEMENT PARTS – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or parts that have the same characteristics as the original parts. Unauthorized substitutions may result in fire, electric shock, or other hazards.



IMPORTANT SAFETY INSTRUCTIONS

To prevent electric shock, do not use a polarized plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

| | | | |
|---|--|--|---|
|  | CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN | AVIS RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR |  |
| <p>CAUTION: To reduce the risk of electric shock, do not remove chassis. No user-serviceable parts inside. Refer servicing to qualified service personnel.</p> <p>AVERTISSEMENT: Pour réduire les risques d'incendie et d'électrocution, ne pas exposer ce matériel à la pluie ou à l'humidité.</p> | | | |



THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE UNIT.



APPARATUS SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.

HEARING DAMAGE AND PROLONGED EXPOSURE TO EXCESSIVE SPLs

Simmons Advanced Drum Amplifiers are capable of producing extremely loud volume levels that can cause permanent hearing damage to performers, production crews or the audience. Hearing protection is recommended during long-term exposure to high SPLs (sound pressure levels).

Remember, if it hurts, it is definitely too loud! Long term exposure to high SPLs first causes temporary threshold shifts; limiting your ability to hear the actual loudness and exercise good judgment. Repeated long term exposure to high SPLs will cause permanent hearing loss.

Please note the recommended exposure limits in the accompanying table. More information about these limits is available on the US government Occupational Safety and Health (OSHA) website at: www.osha.gov.

Permissible Noise Exposures (1)

| Duration per day, hours | Sound level dBA slow response |
|-------------------------|-------------------------------|
| 8 | 90 |
| 6 | 92 |
| 4 | 95 |
| 3 | 97 |
| 2 | 100 |
| 1.5 | 102 |
| 1 | 105 |
| 0.5 | 110 |
| 0.25 or less | 115 |

WARRANTY

Two (2) Years limited warranty

Subject to the limitations set forth below, Simmons® hereby represents and warrants that the components of this product shall be free from defects in workmanship and materials, including implied warranties of merchantability or fitness for a particular purpose, subject to normal use and service, for three (2) years to the original owner from the date of purchase.

Retailer and manufacturer shall not be liable for damages based upon inconvenience, loss of use of product, loss of time, interrupted operation or commercial loss or any other incidental or consequential damages including but not limited to lost profits, downtime, goodwill, damage to or replacement of equipment and property, and any costs of recovering, reprogramming, or reproducing any program or data stored in equipment that is used with Simmons® products. This guarantee gives you specific legal rights. You may have other legal rights which vary from state to state. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Simmons
P.O. Box 5111 Thousand Oaks, CA 91359-5111

All trademarks and registered trademarks mentioned herein are recognized as the property of their respective holders.

FCC Caution.

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 STATEMENT

1. Caution: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
2. Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/ TV technician for help.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirements. The device can be used in a fixed/mobile (min 20cm) exposure condition without restriction.



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