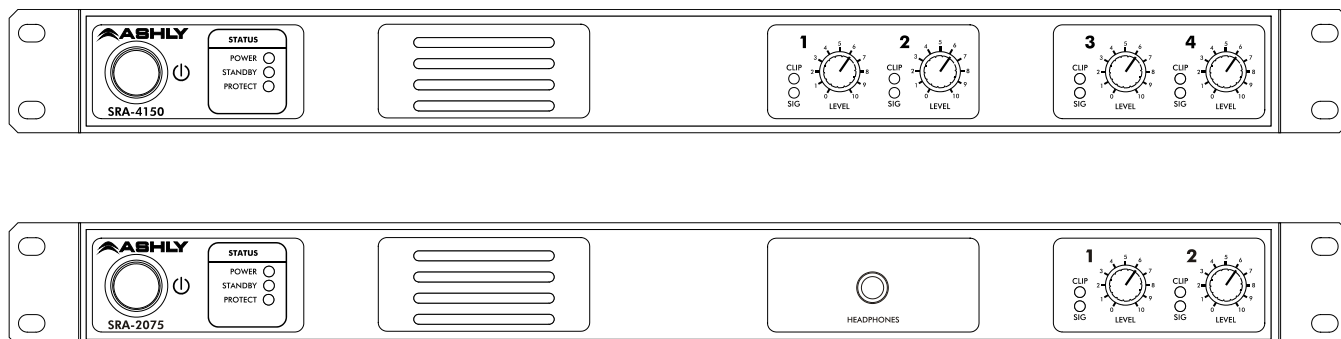




SRA-Series Amplifier

Operating Manual



Ashly Audio Inc.

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Important Safety
Instructions - 2

Introduction - 3

The SRA Series - 4

Physical Description - 5

Installation - 6

Operation - 8

Troubleshooting - 9

Spec Table - 10

Dimensions - 11

Warranty - 12

This manual uses a *Perpetual Table Of Contents*. Each page has a copy of the manual's contents in a gray box just like this one. The section you are in will always be bold with the other sections "grayed out." The feature allows you to jump directly to another section without having to return to a Table Of Contents page.

Important Safety Instructions

Consignes de sécurité à lire attentivement

This power amplifier can produce dangerous output voltage, power and sound pressure levels. In order to minimize the risk of injury, damage, or hearing loss, please read the entire owner's manual.

Cet amplificateur de puissance peut produire un voltage et une pression acoustique qui pourrait être dangereuse ou pourrait même causer des problèmes ou perte d'audition. Consultez le manuel d'instruction et observez les consignes.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the device.

Le symbole de la flèche dans un triangle équilatéral symbolisant la foudre est prévu pour sensibiliser l'utilisateur à la présence de tension de voltage non isolée à l'intérieur de l'appareil. Elle pourrait constituer un danger de risque de décharge électrique pour les utilisateurs. Le point d'exclamation dans le triangle équilatéral alerte l'utilisateur de la présence de consignes qu'il doit d'abord consulter avant d'utiliser l'appareil.

1. Read these instructions.
 2. Keep these instructions.
 3. Heed all warnings.
 4. Follow all instructions.
 5. To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
 6. Do not use this apparatus near water.
 7. Clean only with dry cloth.
 8. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
 9. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
 10. 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 are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
 11. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
 12. Only use attachments/accessories specified by the manufacturer.
 13. Use only with 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.
 14. Unplug this apparatus during lightning storms or when unused for long periods of time.
 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.
1. Lisez ces instructions.
 2. Conservez ces instructions.
 3. Observez les avertissements.
 4. Suivez ces instructions.
 5. Pour réduire le risque de feu ou la décharge électrique, ne pas exposer cet appareil pour pleuvoir ou l'humidité. Ne pas utiliser l'appareil près de l'eau.
 7. Le nettoyer à l'aide d'un tissu sec.
 8. Ne pas bloquer les ouvertures de ventilation, installer selon les consignes du fabricant.
 9. Eloigner des sources de chaleur tel: radiateurs, fourneaux ou autres appareils qui produisent de la chaleur.
 10. Ne pas modifier ou amputer le système de la mise à terre. Une prise avec mise à terre comprend deux lames dont une plus large ainsi qu'une mise à terre: ne pas la couper ou la modifier. Si la prise murale n'accepte pas la fiche, consulter un électricien pour qu'il remplace la prise défectueuse.
 11. Protéger le cordon de secteur contre tous bris ou pincement qui pourraient l'endommager, soit à la fiche murale ou à l'appareil.
 12. N'employer que les accessoires recommandés par le fabricant.
 13. N'utiliser qu'avec les systèmes de fixation, chariots, trépied ou autres, approuvés par le fabricant ou vendus avec l'appareil.
 14. Débrancher l'appareil lors des orages électriques ou si inutilisé pendant une longue période de temps.
 15. Un entretien effectué par un centre de service accrédité est exigé si l'appareil a été endommagé de quelque façon: si il a été exposé à la pluie, l'humidité ou s'il ne fonctionne pas normalement ou qu'il a été échappé.

Introduction

Congratulations on your purchase of an Ashly SRA-Series amplifier. The SRA-Series is made up of powerful, high-efficiency, lightweight amplifiers incorporating the latest technologies. We are confident that you will be pleased with the high performance, superb sound quality, reliability, and more.

About Ashly

Ashly Audio was founded in 1974 by a group of recording engineers, concert sound professionals, and electronics designers. The first products were elaborate custom consoles for friends and associates, but business quickly spread to new clients and the business grew. The philosophy we established from the very beginning holds true today: to offer only the highest quality audio tools at an affordable cost to the professional user – ensuring reliability and long life. More than thirty years later, Ashly remains committed to these principles.

Ashly's exclusive Five Year, Worry- Free Warranty remains one of the most liberal policies available on any commercial- grade product. The warranty covers every product with the Ashly brand name, and is offered at no extra cost to you, our customer.

FCC Compliance

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
2. This device must accept any interference received, including interference that may cause undesired operation.

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 both a commercial and 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.

Important Safety
Instructions - 2

Introduction - 3
About Ashly
Safety
FCC Compliance

The SRA Series - 4

Physical Description - 5

Installation - 6

Operation - 8

Troubleshooting - 9

Spec Table - 10

Dimensions - 11

Warranty - 12

Important Safety
Instructions – 2

Introduction - 3

The SRA Series - 4
Protection

Physical Description - 5

Installation - 6

Operation - 8

Troubleshooting - 9

Spec Table - 10

Dimensions - 11

Warranty - 12

The SRA Series

SRA-Series amplifiers are high-efficiency, lightweight amplifiers incorporating the latest amplifier technologies.

The series provides a power range of 75 to 150 watts per channel at 4 ohms (20Hz-20kHz, 1% THD). The SRA series is available in 2 and 4 channel versions at two power points. All models will drive 4 or 8 ohm loads. All models are 1RU, with the two and four channel versions weighing 9 pounds and 10 pounds respectively. All SRA amplifiers utilize a state-of-the-art, efficient, high speed switched mode power supply and offer remote power on/off among the many standard features.

SRA-Series Power Ratings (per channel)			
	Stereo		Mono Bridged
Model	8Ω	4Ω	8Ω
SRA-2075	40 W	75 W	150 W
SRA-4075	40 W	75 W	150 W
SRA-2150	80 W	150 W	300 W
SRA-4150	80 W	150 W	300 W

- Input connections are via 3-pin Euroblock connectors.
- Output connectors are also Euroblock.
- Rear panel switches include: Gain and Operation Mode.

Protection

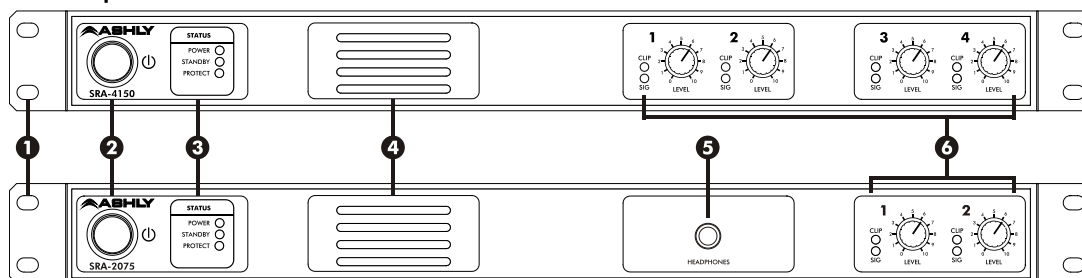
SRA-Series Amplifiers come standard with several protection circuits:

- ✦ **Output over-current protection** - The output current is limited to safe levels regardless of load.
- ✦ **DC output protection** - The amplifier is switched off if more than 2 volts of dc is present on the output. The amplifier will automatically restart after 5 seconds (if no fault remains). The protect LED is lit as well as the clip LED of the affected channel(s).
- ✦ **Main supply rail overvoltage protection** - The amplifier is switched off if the main supply rails have too high of a voltage. The amplifier will automatically restart after 5 seconds (if no fault remains). The protect LED is lit as well as the clip LED of the affected channel(s).
- ✦ **Chassis internal temperature monitoring** - The amplifier is switched off when the internal ambient temp reaches 70° C. The amplifier will again switch on when the internal ambient temp reaches 55° C. The protect LED is lit as well as the clip LED of ALL channels.
- ✦ **Inrush limiting** - The turn-on current is limited. This is active during initial startup as well as when exiting standby mode.
- ✦ **Mains fuse** - There is a 5 amp time delay fuse.

Physical Description

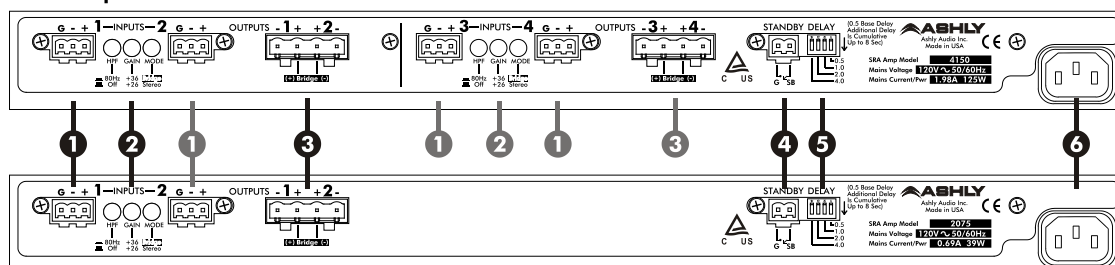
Each model in the SRA-Series is 1RU, and weighs 9 pounds (2 Ch) or 10 pounds (4 Ch). They have the same physical design, though there are obvious differences between two and four channel versions. The model number is indicated on the left side of the front panel

Amplifier Front Panel



- 1. Mounting Holes** – For rack mounting.
- 2. Power Switch** – Switches the unit on or off
- 3. Status LEDs** – Indicate status of: Power, Standby, and Protect
- 4. Air Inflow Vents** – Cool air enters here
- 5. Headphone Jack** – 2075 & 2150 only
- 6. Channel Attenuators & LEDs** – These knobs adjust the attenuation of the input signal of each channel from ∞ to 0. The Sig LED will begin to light when the output voltage reaches approximately 0.3 volts. When clipping occurs the Clip LED will light.

Amplifier Rear Panel



- 1. 3-Pin Euroblock Input Connectors** – These connectors are used for all input signals.
- 2. Input Switches** – The HPF switch sets the High Pass Filter for each pair of channels channel to 80Hz or Off. The Gain switch sets the amplifier gain to +36dB or +26dB sensitivity. The Mode switch selects the amplifier's operating mode (Bridge or Stereo).
- 3. Euroblock Output Connectors** – These connectors provide the amplifiers output signal. In Bridge Mode, the even channel (+) connector becomes the Bridged Channel (-).
- 4. Standby Connector** – This 2-Pin Euroblock connector provides for remote standby switching. The Power switch must be in the On position for the Standby connector to be active. This feature includes a 0.5 second turn-on delay.
- 5. Delay Switches** – These switches provide additional turn-on delay when the Standby connector is used. The switches are additive, providing as much as 7.5 seconds of delay to the 0.5 second Standby delay.
- 6. Mains Connector** - Connection to the mains is via this 3-Prong IEC connector

WARNING: Do not remove the mains connector ground.

Important Safety Instructions – 2
Introduction - 3
The SRA Series - 4
Physical Description - 5
Front Panel
Rear Panel
Installation - 6
Operation - 8
Troubleshooting - 9
Spec Table - 10
Dimensions - 11
Warranty - 12

Important Safety Instructions – 2
Introduction - 3
The SRA Series - 4
Physical Description - 5
Front Panel
Rear Panel
Installation – 6
Requirements
Installation Density
Typical Applications
Connectors & Polarity
Operation - 8
Troubleshooting - 9
Spec Table - 10
Dimensions - 11
Warranty - 12

Installation

SRA-Series amplifiers are designed for use in both fixed and mobile sound systems. Each amplifier is shipped (unless otherwise specified) with the following factory settings:

Front panel:	Rear panel:
On/Off Switch = Off	High Pass Filter(s) = Off
Attenuators = ∞	Gain Selector = +26 dB
	Mode Selector = Stereo

Before connecting to mains power, make sure that the switches are set to the configuration needed for your particular application. Always switch the amplifier off before making any changes to the settings. Failure to do so could result in damage to the unit or other components in your system. **CAUTION:** When mounting or connecting the amplifier, always disconnect it from the mains. Use four screws and washers when mounting the amplifier to the front rack rails. Rear support is also recommended, especially for mobile or touring use. To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

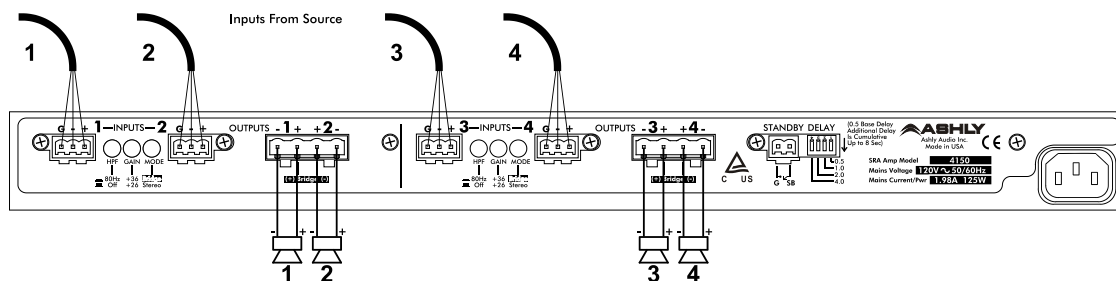
Requirements

SRA-Series amplifiers have specific physical, electrical and signal requirements for proper operation. These requirements will vary depending on your specific application, setup, and the settings on the amplifier. When setting up and testing your system, please take special care to double check all connections and settings. Please refer to the specifications section of this manual for specific input, output and other figures.

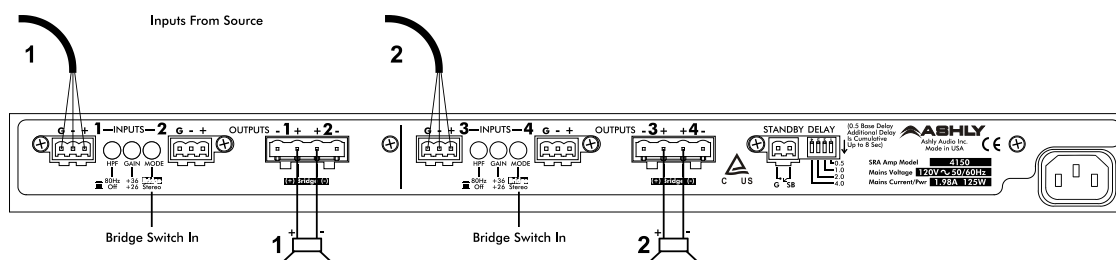
Installation Density

SRA-Series amplifiers produce substantial power output from a very small chassis. When driven at the higher-end of their potential, they do produce heat that must be dissipated. In cases where multiple SRA amplifiers are mounted together (or a single SRA with other equipment), it is recommended that a 1RU space is left between units to allow for proper air circulation. If the amplifier overheats, it will go into 'thermal' protect mode to prevent damage to itself and any connected components and speakers.

Typical Applications



The most common use of a SRA-Series amplifier is a 2-channel source driving 2 speaker channels. In this illustration, the 4-channel amplifier is receiving two stereo signals and is driving two pairs of stereo speakers. The amplifier is in STEREO mode.



SRA-Series amplifiers are well suited to BRIDGED operation to drive a speaker load such as a subwoofer or a more powerful stereo output on a 4-channel model. This illustration shows a 4-channel SRA driving a Stereo signal in BRIDGED mode.

Connectors & Polarity

SRA-Series amplifiers utilize two types of professional audio connectors. For the inputs 3-pin Euroblock connectors are utilized with their polarity clearly marked on the amplifier's rear panel. Outputs also use Euroblock connectors. Polarity for output connectors is also clearly marked on the unit's chassis. However, polarity changes when the unit is operated in BRIDGED mode. Be sure to read the Operation section of this manual for important information on the two operating modes.

- Important Safety Instructions – 2
- Introduction - 3
- The SRA Series - 4
- Physical Description - 5
- Installation – 6
 - Requirements
 - Typical Applications
 - Connectors & Polarity
- Operation - 8
- Troubleshooting - 9
- Spec Table - 10
- Dimensions - 11
- Warranty - 12

Important Safety
Instructions – 2

Introduction - 3

The SRA Series - 4

Physical Description - 5

Installation – 6

Operation – 8

2 Channel Mode
Bridged Mode

Troubleshooting - 9

Spec Table - 10

Dimensions - 11

Warranty - 12

Operation

The amplifier's On/Off Switch is a rocker-type switch located on the left side of the front panel. Turning on the amplifier initiates start-up by activating the inrush current limiter.

When using the remote On/Off function, the main On/Off switch must remain in the On position. See page 11 for more information on remote On/Off connections.

NOTE: The power switch does NOT isolate the appliance from mains. Make sure the mains power socket or an alternative disconnect device is near by and easily accessible. When the product is connected to mains, the line-filter and the input of the fuse are energized.

2 Channel (Stereo) Mode

In this mode, the amplifier's channels operate fully independent of each other. Each signal enters the unit and is amplified separately.

Bridged (Mono) Mode

In this mode, a single input is connected to channel 1 (or 1 & 3 in 4 channel models) and is connected to the two output channels that have been "Bridged" together.

Each output channel processes the signal, but the polarity of channel 2 (and channel 4, in 4 channel models) is reversed. The (single) load is connected between the two positive channel outputs. While the total output of the amplifier remains the same, both the available output voltage and the minimum impedance that can be connected are doubled, as compared with stereo operation.

Only Channel 1 (or 1 & 3) is active. A signal feeding Channel 2 (or 4) will have no effect on the output.

Troubleshooting

Situation	Indication	Action
No Sound	Signal LED not lit Clip LEDs not lit	Check AC plug. Confirm that AC outlet works by plugging in another device.
	Signal LED not lit	Make sure the signal source is operating and try another cable. Check position of Volume Pots.
	Signal LEDs responding to signal level	Check the speaker wiring for breaks. Try another speaker and cable.
	Protect LED is lit	Overheating will cause protective muting. Check for proper ventilation.
No Channel Separation	No Channel Separation	Check the mode indicators on the front panel and make sure the mode selector on the rear panel is in the two channel (stereo) position. Make sure other equipment in the signal path such as mixers and preamps are set for stereo, not mono
Distorted Sound	Power LED is lit	A faulty speaker or a loose connection could cause this. Check the wiring and try another speaker.
	Signal LEDs responding to signal level	The signal source might be clipping. Keep the volume pots at least halfway up so that the source does not have to be overdriven.
	Clip LEDs not lit	Keep the volume pots at least halfway up and try changing input sensitivity with the gain selector on the rear.
Hiss	Hiss	Unplug the amplifier input to confirm that the hiss is coming from the source or from a device upstream. Erratic or popping noises indicate an electronic fault in the offending unit. To keep the noise floor low, operate the primary signal source at full level, without clipping. Avoid boosting the signal further between the source and the amplifier.
Squeals and Feedback	Squeals and Feedback	Microphone feedback should be eliminated with mixer controls. If noise continues to build up with no microphone gain, there is a serious fault in the signal processors or cables. Working in succession from the signal source towards the amplifier and check each device in the signal path by reducing its gain or by unplugging it.

Important Safety
Instructions – 2

Introduction - 3

The SRA Series - 4

Physical Description - 5

Installation – 6

Operation – 8

Troubleshooting - 9

Spec Table - 10

Dimensions - 11

Warranty - 12

Important Safety
Instructions – 2

Introduction - 3

The SRA Series - 4

Physical Description - 5

Installation – 6

Operation – 8

Troubleshooting - 9

Spec Table - 10

Dimensions - 11

Warranty - 12

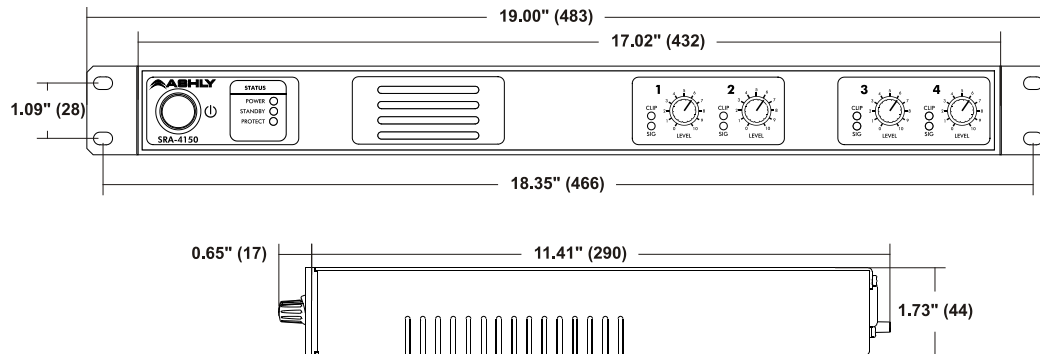
Spec Table

	SRA-2075	SRA-4075	SRA-2150	SRA-4150
Power Output Per Channel				
Stereo Mode, all channels driven				
8 ohms, 20 Hz - 20 kHz, 1% THD	2 x 40W	4 x 40W	2 x 80W	4 x 80W
4 ohms, 20 Hz - 20 kHz, 1% THD	2 x 75 W	4 x 75 W	2 x 150 W	4 x 150 W
Bridged Mono Mode				
8 ohms, 20 Hz - 20 kHz, 1% THD	1 x 150 W	2 x 150 W	1 x 300 W	2 x 300 W
Signal to Noise (20 Hz-20 kHz, unweighted):	>100 dB	>100 dB	>103 dB	>103 dB
Voltage Gain:	26 dB, 36 dB sensitivity (selectable)			
Output Circuitry:	Class D	Class D	Class D	Class D
Line Current Draw (all channels driven @4Ω)				
Standby	37mA	39mA	89mA	102mA
Idle	320mA	565mA	370mA	660mA
1/8 th Power Pink Noise	0.70A	1.25A	1.10A	1.95A
1/3 Power Sine Wave	1.23A	2.25A	2.10A	3.80A
Thermal Dissipation (all channels driven @4Ω)				
Standby (BTU /hr)	13	15	14	23
Idle (BTU/hr)	61	113	72	137
1/8 th Power Pink Noise (BTU/hr)	73	145	111	211
1/3 Power Sine Wave (BTU/hr)	85	150	126	263
Frequency Response	20 Hz - 20 kHz, +/- 1.0 dB			
Distortion (SMPTE, typical)	< 0.5% - 8Ω load, 10dB below rated power			
Distortion (THD-N, typical)	< 0.5% - 8Ω load, 10dB below rated power, 20Hz-20kHz			
Damping Factor - 8 ohm load, < 1 kHz	> 200 into 8Ω			
Input Impedance	20 kΩ, balanced			
Maximum Input Level:	+21 dBu			
Input Impedance	20kΩ balanced			
Cooling	Convection			
Front Panel Indicators per channel	Clip & Signal			
Front Panel Indicators overall	power, standby, protect			
Attenuators	Per channel: front panel			
Input Connectors, each channel	3- Pin Euroblock			
Output connectors, each channel	Euroblock			
Amplifier Protection	Output Overcurrent, DC Output, Main Supply Rail Overvoltage Chassis Temperature, Inrush Limiting, Mains Fuse			
Power Cable Connector	3-Prong IEC			
Dimensions	19" x 1.75" x 11"			
Weight	9.0 lbs	10.0 lbs	9.0 lbs	10.0 lbs

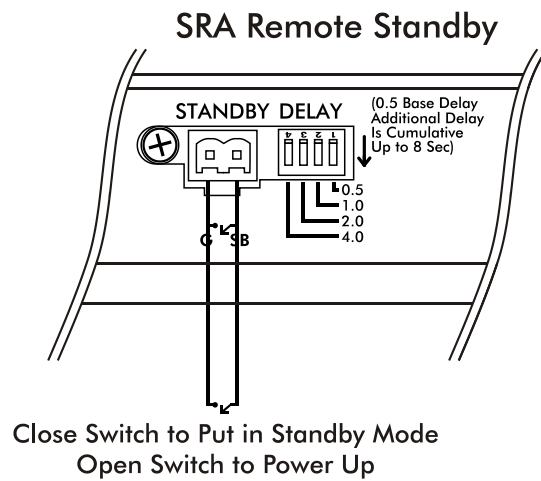
All Specifications Subject to Change or Improvement Without Notice.

Amplifier Dimensions

All SRA Series amplifiers share the same dimensional measurements:



Remote Power Connections



Important Safety Instructions – 2
Introduction - 3
The SRA Series - 4
Physical Description - 5
Installation – 6
Operation – 8
Troubleshooting - 9
Spec Table - 10
Dimensions - 11
Warranty - 12

Important Safety
Instructions – 2

Introduction - 3

The SRA Series - 4

Physical Description - 5

Installation – 6

Operation – 8

Troubleshooting - 9

Spec Table - 10

Dimensions - 11

Warranty - 12

Ashly Audio Inc. Limited Warranty (USA ONLY)

For Customers outside of the United States, please contact the distributor or dealer from whom the unit was originally purchased.

For units purchased in the USA, warranty service for this unit shall be provided by ASHLY AUDIO, INC. in accordance with the following warranty statement:

ASHLY AUDIO, INC. warrants to the owner of this product that it will be free from defects in workmanship and materials for a period of FIVE years from the original date of purchase, with the exception of certain touch-screen displays and motorized faders for which the warranty extends THREE years from the original date of purchase, and ONE year from the original date of purchase for Ashly EXP products.

Ashly Audio Inc. will, at its discretion and at no charge, either repair or replace any defective product or component upon prepaid delivery of the item to Ashly Audio Inc. service department. All warranty claims and returns of product must be accompanied by proof of the original date of purchase in the form of a valid sales receipt. This warranty confers specific legal rights, and additional rights pertaining to repair or replacement may vary by state.

WARRANTY EXCLUSIONS:

This warranty does not apply to damage resulting from misuse, neglect, improper installation, unauthorized modifications, or operation outside the product's intended use (failure to follow instructions in the operator's manual)

The warranty excludes defects or damages caused by external factors, including but not limited to accidents, environmental conditions, power surges or improper handling.

This warranty does not cover normal wear and tear, cosmetic damage, or consumable components that are expected to degrade over time.

The warranty does not extend to products that have been altered, repaired, or serviced by any party not authorized by the manufacturer.

Any damage arising from the use of incompatible accessories, attachments, or electrical supplies is excluded from coverage.

This warranty does not apply to equipment that has been subjected to installation related damage, improper storage, or transportation related impacts incurred during consumer-initiated transport after the product has been originally received.

This warranty is void if the serial number is altered, defaced, or removed. ASHLY AUDIO, INC. reserves the right to make changes in design, or make additions to, or improvements upon, this product without any obligation to install the same components as those installed on previously manufactured products.

Ashly Audio reserves the right to assess a fee for shipping and handling, should a product be determined non-defective upon completion of testing and thorough evaluation, regardless of warranty status.

Handling and storage fees will accrue on any product for which payment is not remitted within the required timeframe, in accordance with applicable state regulations.

In accordance with applicable state laws, any product deemed abandoned, left unclaimed, uncollected, or without customer response beyond the specified holding period may be used, sold or disposed of at the discretion of Ashly Audio Inc.

To the extent permitted by applicable state law any implied warranties, including the implied warranty-of merchantability and the implied warranty of fitness for a particular purpose, are limited to the term of this written warranty. Some states do not allow limitations on the duration of implied warranties, so these limitations may not apply to you. Nothing in this warranty is intended to limit or exclude any rights or remedies available to the consumer under applicable state or federal warranty laws.

OBTAINING WARRANTY SERVICE:

Warranty service instructions for purchases made within the United States can be found on the Ashly website, or by clicking

[this procedure](#)



FOR WARRANTY SERVICE OUTSIDE THE USA:

Please contact the authorized Ashly Distributor in your country.

[Click here for a list of International Distributors.](#)

Ashly Audio, Inc. Warranty Addendum 4-16-2026. This warranty shall supersede all warranty information shipped with this product.