


# peachtree

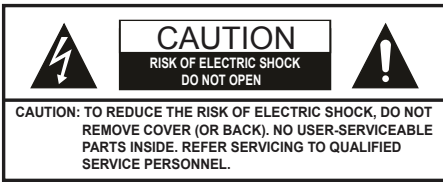


# sona<sup>AMP</sup>



## IMPORTANT SAFETY INSTRUCTIONS

- 1 Read these instructions – All the safety and operating instructions should be read before this product is operated.
- 2 Keep these instructions – The safety and operating instructions should be retained for future reference.
- 3 Heed all warnings – All warnings on the appliance and in the operating instructions should be adhered to.
- 4 Follow all instructions.
- 5 Do not use this apparatus near water – The appliance should not be used near water or moisture – for example, in a wet basement or near a swimming pool, and the like.
- 6 Clean only with dry cloth.
- 7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 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 plug. A polarized plug has two blades with one wider than the other. A grounding 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 the plugs, convenience receptacles, and at the point where they exit from the apparatus.
- 11 Only use attachments/accessories specified by the manufacturer.
-  12 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.
- 13 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14 Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way such as the power cord or plug is damaged. Other damage may occur if liquid or objects have been dropped or spilled into the apparatus. Dropping the apparatus, exposure to rain, and excessive moisture may cause additional damage.
- 15 Please keep the unit in a good ventilation environment.
- 16 CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.
- 17 WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and objects filled with liquids, such as vases, shall not be placed on apparatus.
- 18 WARNING: The mains plug/appliance coupler is used as disconnect device, the disconnect device shall remain readily operable.



- 19 The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

**WARNING:** To reduce the risk of electric shock, do not remove cover (or back), as there are no user-serviceable parts inside. Refer servicing to qualified personnel.

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 appliance.

- 20 No naked flame sources, such as lighted candles, should be placed on the apparatus.
- 21 Batteries are included for the remote control. Do not expose these batteries to direct sunlight or excessive heat such as a fire. Care should be taken in the act of battery disposal as they include toxic materials that may harm the environment. Please refer to your local recycling and hazardous waste center for advise with battery disposal.



- 22 **WARNING:** The terminals marked with symbol of “+/-” may be of sufficient magnitude to constitute a risk of electric shock. The external wiring connected to the terminals requires installation by an instructed person or the use of ready-made insulated leads or cords.

- 23 Correct disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.

## Unpacking and Warranty

- 1 Keep all packing materials for future shipments.
- 2 Keep a record of your bill of sale and a copy of the serial number for warranty and insurance purposes.
- 3 You may register your product on our website: [www.peachtreeaudio.com](http://www.peachtreeaudio.com).

# sona<sup>AMP</sup>

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- ▶ Front Panel
- ▶ Troubleshooting
- ▶ Product Warranty and Service
- ▶ Technical Specifications

# INTRODUCTION

Thank you for choosing the sonaAMP and welcome to the extended family if this is your first Peachtree Audio product! Our mission is simple: to make exceptional audio products at affordable prices. Products that utilize a unique blend of cosmetic design, high-quality materials, and intuitive user interface and most importantly; sublime sound quality. Products for people like us... people that love to listen!

The sonaAMP is small yet very power amplifier designed to drive virtually any type of loudspeaker with impedances as low as 2.5 ohms and as high as 16 ohms. It is a fully balanced, dual-differential design that features an impressive power rating of 150 watts-per-channel and both RCA and XLR inputs for easy connection to the preamplifier.

The sonaAMP features a class-A input buffer stage to drive the amplifier circuits. Signals on the XLR inputs remain balanced all the way through the amplifier. Unbalanced inputs are converted to balanced signals immediately after the input. When using balanced connections between the sonaDAC and the sonaAMP, the audio signal remain fully balanced from the DAC all the way through to the speaker outputs! This helps minimize any unwanted noise from the audio circuits and ensure the cleanest signal path so the gear won't interfere with your enjoyment of the music.

The heart of the sonaAMP features the latest generation of switching amplifier technology from ICE power, which includes patented HCOM modulation and control techniques to ensure excellent audio performance. The amplifier is ~80% efficient so the majority of the energy it consumes goes towards driving your speakers rather than trying to heat your listening room. This allows the amplifier to be much smaller and lighter than typical analog amplifier designs that require fans or massive heat sinks to dissipate the unused energy as heat.

Please take a few minutes to review this manual and visit [www.peachtreeaudio.com](http://www.peachtreeaudio.com) to register your sonaAMP with us. Your information will *not* be shared and we will only contact you with news that is directly relevant to you! If you have additional questions or feedback please contact your dealer, distributor or Peachtree Audio directly.

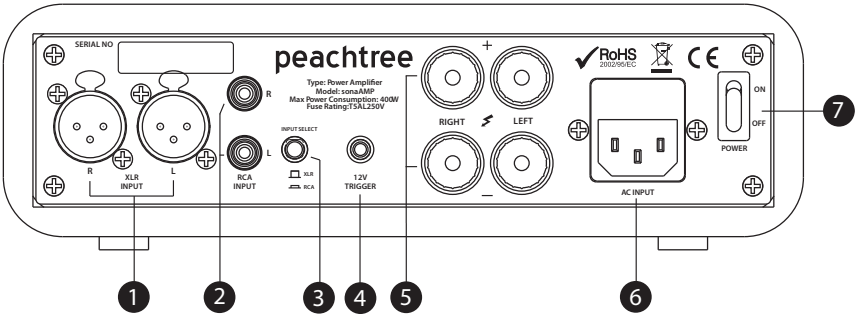
We sincerely hope that you love your sonaAMP and that it brings you many years of enjoyment. Thank you again for supporting Peachtree Audio and happy listening!

- Your friends at Peachtree Audio

# FRONT AND BACK PANEL



- 1 Standby Switch:** After turning the sonaAMP on with the AC Power switch on the back panel, this button will allow you to switch between “on” (blue light) and “standby” (red light). Standby draws very little power so we suggest leaving the amplifier on from the back panel and using this switch for daily operations.



- 1 XLR input:** Balanced input for the balanced XLR output of a preamplifier.
- 2 RCA Output R and L:** Single ended input for the single ended RCA output of a preamplifier.
- 3 RCA/XLR Select:** Selects either #1 or #2 above as your input source.
- 4 12V Trigger:** Enables automatic turn on and off from-or-to another source with the same feature.
- 5 Speaker Terminals:** Marked + for positive and – for negative.
- 6 AC Power Cord Attachment & Fuse:** The three-prong power cord is included in the sonaAMP box. It is user replaceable after turning the sonaAMP off. You may call your dealer or Peachtree Audio’s service department with any questions regarding fuse replacement. **\*\*WARNING\*\*** using the wrong value fuse may cause damage to the sonaAMP.
- 7 Power On/Off Switch:** Connects and disconnects AC input power to the unit.

# TROUBLESHOOTING

## ISSUE

## SOLUTIONS

The sonaAMP will not turn on.

Check to be sure that both the power switch on the back panel and the standby switch on the front panel are on. The front panel light should be blue. It is red when in standby. Be sure your AC plug is properly connected to an active AC outlet.

The sonaAMP turns on but there is no sound.

Be sure your system is not muted. Check the RCA/XLR switch on the back panel to be sure the correct input has been selected. Make sure your speaker wires are properly connected to both the sonaAMP and the speakers.

You pick up hum and noise on your sonaAMP.

This is rare but when it happens it is usually due to grounding problems. Do some trial and error tests with the system. See if the noise goes away when certain sources, like a computer, are unplugged from your preamp. Try plugging your sonaAMP and preamplifier in to the same AC fixture. Please feel free to call Peachtree service if the problem persists.

You're getting no sound through the balanced XLR input.

Be sure you have the switch on the back panel set to XLR.

The sonaAMP shuts down, and then automatically begins playing again after a while.

The sonaAMP amplifiers have built in thermal/distortion detection and will shut down before blowing the amps. When they cool down they will turn back on. If the amps do this when playing at a low volume you may have a short in your speaker wires.



# PRODUCT WARRANTY AND SERVICE

## **International Guarantee**

The sonaAMP has a two year Parts and Labor guarantee from the time of purchase.

Peachtree Audio can take no responsibility for defects arising from accident, misuse, abuse, wear and tear, neglect or through unauthorized adjustment and/or repair. The warranty does not cover shipping costs. Visit [www.peachtreeaudio.com](http://www.peachtreeaudio.com) for a copy of the complete warranty.

## **Claims Under Warranty**

The unit should be packed in its original packing and returned to the dealer from whom it was purchased, or if unavailable, directly to the sonaAMP distributor.

You should use a suitable carrier. **Do not send by Postal Service.** Peachtree Audio cannot accept responsibility for the sonaAMP while in transit to the dealer, distributor, or service facility. Please insure your unit against loss or damage while in transit.

In the unlikely event that you experience a failure with your sonaAMP, please call for a return authorization number before returning products for service. Any sonaAMP received without an RA # will be refused. You may also wish to route your repair through your dealer, which we encourage.

Call 704-391-9337 for a return authorization number and additional information on where and how to return your unit for service.

Main office (not service):

Peachtree Audio  
2045 120th Avenue NE  
Bellevue, WA 98005

[www.peachtreeaudio.com](http://www.peachtreeaudio.com)

# TECHNICAL SPECIFICATIONS

Compatible Speakers	2.5Ω -16Ω
Output Power 8Ω (Both channels driven, 1% THD+N)	150 Watts
Output Power 4Ω (Both channels driven, 1% THD+N)	300 Watts (Peak)
Dynamic Range (A-weighted)	101dB
Damping Factor (8Ω, 50Hz and 1kHz)	>375
Frequency Response (20Hz-20kHz)	+/- 0.2dB
Inter-Modulation Distortion (7kHz, 60Hz, 10W)	0.006%

## Power Consumption

Maximum Power	378W
On Mode (Idle)	11.25W
Standby Mode	<0.5W

## Physical

	inches	mm
Overall dimensions (Height x Width x Depth)	3.27 x 9.89 x 10.79	83 x 251 x 273
Weight	7.47 pounds	3.39 kg



Marking by the “CE” symbol (shown left) indicates compliance of this device with the EMC (Electromagnetic Compatibility) and LVD (Low Voltage Directive) standards of the European Community.



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. The 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 the 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

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