

AMP Five Series

Monoblock Amplifiers



Multichannel power amplifiers have become the solid foundation upon which the best home sound systems are built. In the AMP Five series, AudioSource has designed the most unique line of multichannel power amplifiers available. The AMP 5.1, 5.2 and 5.3 are completely modular within their optional 19-inch rack mount chassis. The ability to place and replace several monoblock amplifiers gives the AMP Five series unsurpassed flexibility. From powering an entire home theater to driving in-wall speakers throughout an entire home, the AMP Five series offers the kind of versatility others only dream about.

Please take a few moments to read this manual before you get started. Also, be sure to retain this document should you need to refer to it in the future.

Note: If any part of this product is damaged or missing, do not contact your AudioSource dealer. Please call AudioSource directly at 800-435-7115.

Using the Controls

1 Signal LED

This light indicates that a signal is present at one of the inputs.

2 Protect LED

This light indicates when the unit is overheated, or when a shorted load or DC is detected in the amplifier output. The amplifier will reset itself when the problem is corrected.

3 Peak LED

This light indicates when the unit is within 3 dB of clipping. Occasional blinking of this light is normal, but if it remains lit for more than a few seconds at a time, you should either turn down the level control of the AMP Five module or reduce the output level of the component feeding the AMP Five module. This will avoid audible distortion.

4 Volume Control

This dial adjusts the output to the speakers.

5 Low Cut Control

This button may be used to filter the lowest frequencies from your speakers. This feature is useful when the speakers driven by the AMP Five module are small and/or when your system has a powered subwoofer to reproduce the low bass signal.

6 Phase Control

This button switches the polarity of the speaker outputs. As speakers are sometimes placed quite a distance from each other, their sound may arrive at your ears milliseconds before or after that of the other speakers. (Setting the phase at 180° compensates for those rare occasions in which your speakers are *out of phase*, resulting in a hollow sound.) The default setting for the phase switch is 0°, and once set, it should not need to be adjusted. Note: Phase is relative and can be different from location to location. Always return to the normal listening location to evaluate any setting changes.

7 Power Switch

This switch turns the AMP Five module on or off. Its status is indicated by the light within the switch.

8 Monitor Jack

This quarter-inch jack allows you to connect headphones to the AMP Five to monitor the input signal.

9 Balanced Input Jack

This input allows components with XLR outputs to connect to the AMP Five module.

10 Unbalanced Input/Output Jacks

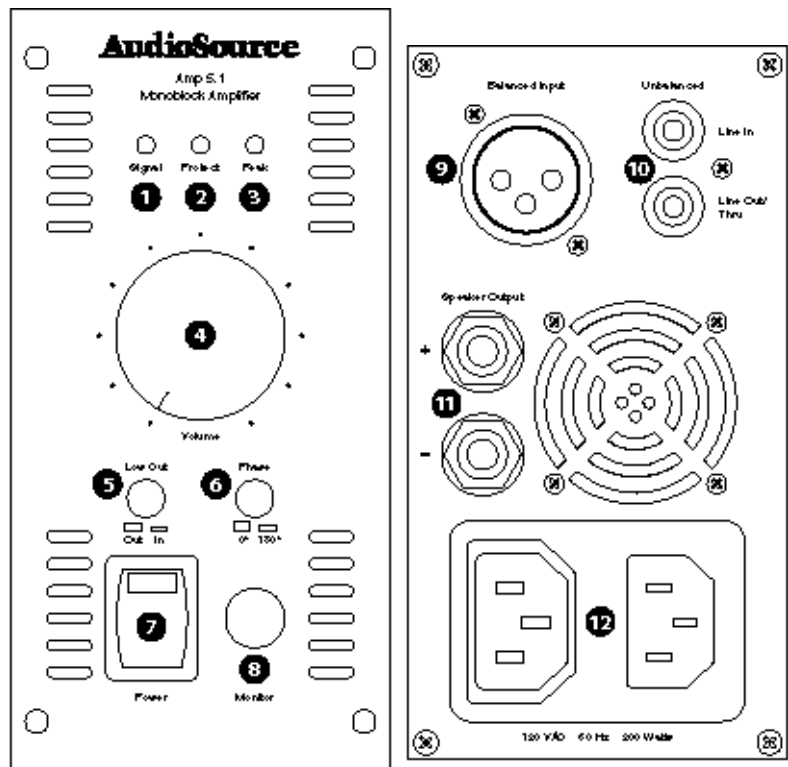
This input allows components with RCA outputs to connect to the AMP Five module. This input should be used when the signal will be passed on to another module or other power amplifier.

11 Speaker Output Jacks

These inputs should be connected to the speaker which will be driven by the AMP Five module.

12 AC Input/Output

Use an AC cord to connect to an AC socket. You may daisy chain a number of AMP Five modules, as shown on the next page, connecting the last module in the chain to an AC socket.



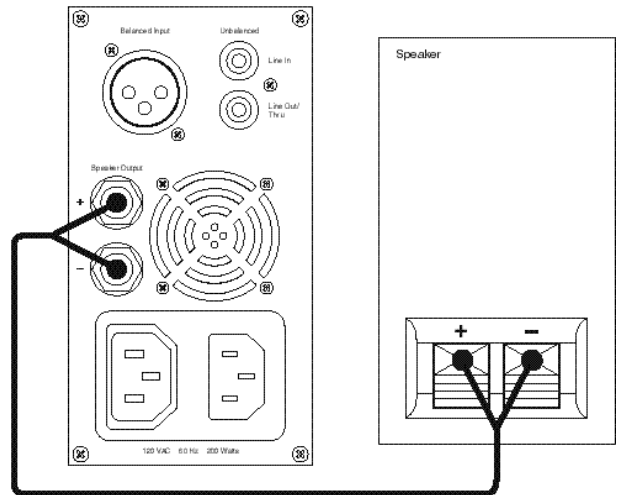
Connections

The AMP Five Series may be connected in a number of ways. Keep in mind that only one input may be used at one time.

Speaker Connections

First determine whether you will use the balanced (XLR) or unbalanced (RCA) inputs. If you plan to send the same signal to more than one speaker, you will use the unbalanced (RCA) input and output to pass the signal on to a second power amplifier and speaker.

After selecting an input option, connect the AMP Five module to a single speaker, observing the correct polarity.

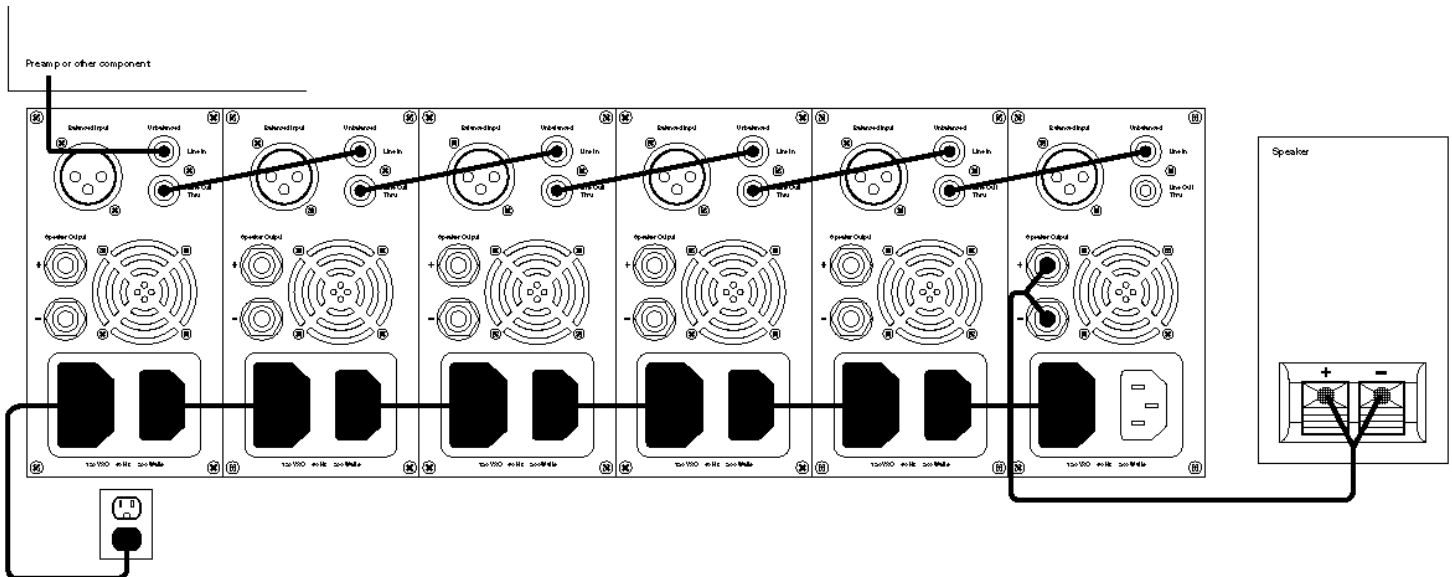


Multiple Monoblock Connections

If you are using more than one AMP Five module, please follow these instructions.

First, if the AMP Five modules are mounted in the optional rack-mount chassis or placed side-by-side, you should daisy chain their power supplies, as shown.

If each module is powering a separate channel, simply follow the *Speaker Connections* instructions. If you will be powering a number of speakers with the same signal (for example, several in-wall speakers in various rooms), you should pass the signal from one module to the next, using the unbalanced (RCA) inputs and outputs. Remember, there are many options for connecting the AMP Five; this diagram is just one example.



Enjoy your purchase. This manual provides detailed instructions for setting up your equipment. Our commitment to your satisfaction doesn't end there. We also offer friendly, toll-free assistance.

1.800.HELP.115

Safety Instructions



Warning: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

Caution: To reduce the risk of electric shock, do not remove cover (or back); no user serviceable parts inside. Refer servicing to qualified service personnel.

Caution: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

Attention: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

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 electrical shock to persons. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Read Instructions

All the safety and operating instructions should be read before the appliance is operated.

Retain Instructions

The safety and operating instructions should be adhered to.

Heed Warnings

All warnings on the appliance and in the operating instructions should be adhered to.

Follow Instructions

All operating and use instructions should be followed.

Water and Moisture

The appliance should not be used near water. For example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

Ventilation

The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in situation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

Heat

The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

Power Sources

The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

Grounding or Polarization

Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.

Power Cord Protection

Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed on or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

Cleaning

The speaker should be cleaned only as recommended by the manufacturer.

Power Lines

An outdoor antenna should be located away from power lines.

Non-Use Periods

The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

Object and Liquid Entry

Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

Damage Requiring Service

The appliance should be serviced by qualified service personnel when:

- a) The power supply cord or the plug has been damaged;
- b) Objects have fallen, or liquid has been spilled into the appliance;
- c) The appliance has been exposed to rain;
- d) The appliance does not appear to operate normally or exhibits a marked change in performance; or
- e) The appliance has been dropped, or the enclosure damaged.

Servicing

The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

Product Servicing

In the event your AMP Five fails to operated properly, please contact the dealer where you purchased the unit. Or you may contact AudioSource directly for further assistance.

AMP Five Specifications

Power Output @ 4	AMP 5.1: 100 watts	Input Impedance	.XLR: 20K ; RCA: 10K
	AMP 5.2: 150 watts	Damping Factor	>200 @ 4
	AMP 5.3: 250 watts	Inputs	.Balanced (XLR), Unbalanced (RCA)
Total Harmonic Distortion (20 Hz to 20KHz)	<.01%	Outputs	.Speaker, Line Out/Thru (RCA)
Frequency Response	.20 Hz to 20K Hz, ±1 dB	Dimensions	AMP 5.1: 5.5" x 2.75" x 11.75", 7.5 lbs.
Signal to Noise Ratio	.95 dB		AMP 5.2: 5.5" x 4.125" x 11.75", 9 lbs.
Input Sensitivity	.1 volt		AMP 5.3: 5.5" x 5.5" x 11.75", 11.5 lbs.

Design and specifications are subject to change without notice.

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