

*A y r e*

# V-3 Power Amplifier

*Owner's Manual*

Welcome to

# Ayre

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*Please send in your warranty  
registration card so we can  
stay in contact with you.*

Your Ayre V-3 offers a significant advance in the musical performance of audio power amplifiers. The warmth and immediacy of a live performance are apparent from the first listening. The combination of superb resolution and a natural, relaxed quality will draw you into the music, time and time again. This level of performance has been implemented using the highest level of workmanship and materials. You can be assured that the Ayre V-3 will provide you a lifetime of musical enjoyment.

# Operation

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The Ayre V-3 is easy to hook up and use. The following guidelines will ensure that the installation goes smoothly.

## Location

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*Do not stack the Ayre V-3 directly with other components, as this may restrict the air flow or induce hum into the audio circuitry.*

The Ayre V-3 produces a moderate amount of heat during operation.



**It is important to maintain an adequate supply of air flow to avoid overheating the amplifier .**

Good locations for your amplifier are on the floor, or in an open-backed cabinet or rack. If the amplifier is placed in a cabinet, be sure to provide at least three inches (75 mm) of air space on all sides of the amplifier.

## Inputs

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*Note that the input selector switch for one channel will be moved to the “up” position, while the other channel’s input selector switch will be moved to the “down” position.*

There are two sets of input connectors on the rear panel of the Ayre V-3. The RCA jacks accept signals from single-ended (unbalanced) sources, while the XLR connectors are for balanced sources. A small toggle switch near the input connectors selects either the balanced or unbalanced inputs.

*Using the incorrect position on the input selector switches will not harm the equipment, and the amplifier may even seem to operate normally. However, some sonic degradation occurs in this situation.*

Selecting “Unbal” connects the inverting input to ground through an isolation resistor, forcing a balanced source to operate in single-ended (unbalanced) mode. Conversely, when the selector is set to “Bal” while using an unbalanced source, the unused inverting input is susceptible to hum pick-up and radio-frequency interference.

## Outputs

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*The heavy-duty speaker terminals of the Ayre V-3 accept spade lugs, banana plugs, and bare wire.*

The Ayre V-3 has balanced (floating) outputs. Combining the outputs or connecting them to ground may result in serious damage to the amplifier.



**Do not use any speaker switch-box, accessory, or test equipment that has a common ground connection for both channels.**

## Operation

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*If the amplifier is not to be used for an extended period of time, it is recommended that the master power switch be turned off.*

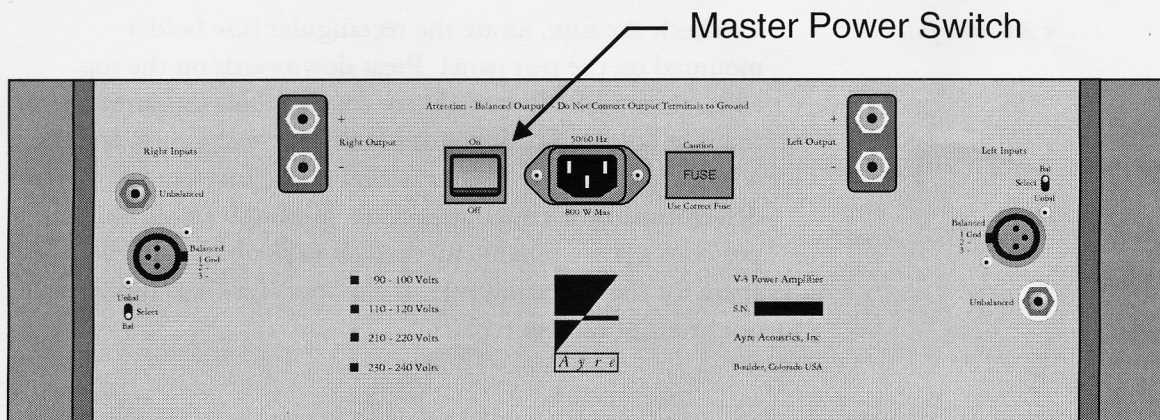
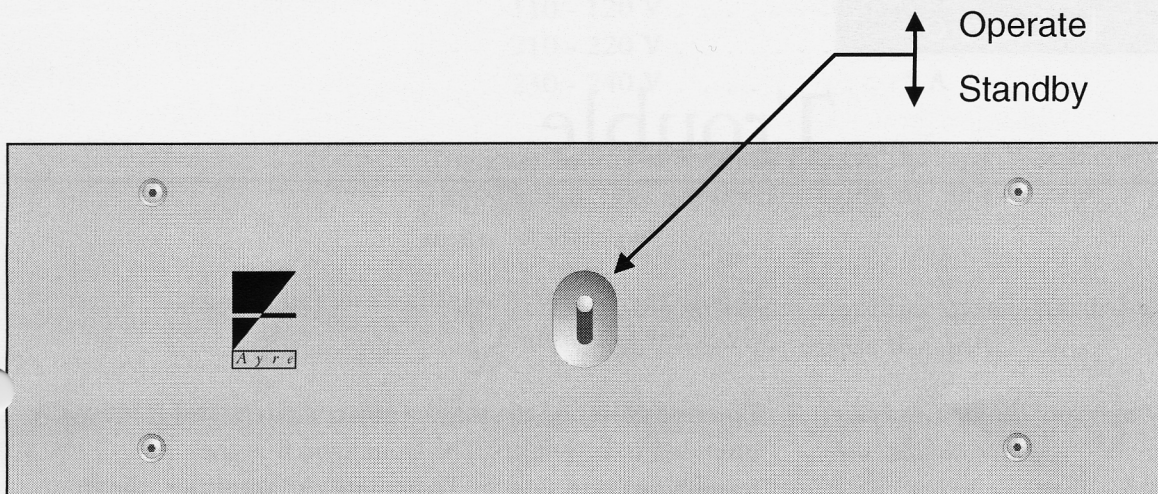
There are two power switches on the Ayre V-3. The master power switch on the rear panel is normally intended to be left on. The front-panel switch selects between the “Standby” and “Operate” modes. In the “Standby” mode the output stage is turned off, while the input circuitry remains powered. This allows the unit to warm-up quickly for optimal sonic performance, while reducing the power consumption from 240 watts to 70 watts.

## Break-In

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*100 to 200 hours of music played through the system will assure full break-in.*

Due to the manufacturing processes used for the wires and capacitors, a break-in period is necessary for the amplifier to reach its full sonic potential.



# Trouble

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Should the Ayre V-3 amplifier ever fail to operate, please check the following:

*Are both the front and rear power switches on?*

The rear switch is the master power switch, and is normally intended to be left on. The front switch is the standby/operate switch. To operate the amplifier, the front panel switch must be in the “up” position.

*Are all of the connections to the amplifier secure?*

Check to see that the input and speaker connections on the rear of the V-3 are in place. Also, be sure that the amplifier is connected to a working AC outlet.

*Is the AC line fuse OK?*

To check the fuse, locate the rectangular fuse holder mounted on the rear panel. Press downwards on the top edge, then pull outward. There are two fuses mounted in the fuse holder. The inner one is the operating fuse, and the outer one is a spare. The condition of the fuse can be determined by a visual inspection, although an ohm-meter provides a more reliable method. If in doubt, substitute the spare for the operating fuse. If the spare fuse also blows, do not attempt further repairs.

*Always use the correct fuse:*

Line Voltage

Fuse Rating (Time-Delay)

90 - 100 V . . . . .	12.5 A
110 - 120 V . . . . .	10 A
210 - 220 V . . . . .	6.3 A
230 - 240 V . . . . .	5 A

There are no user-serviceable parts in the Ayre V-3. If the amplifier still does not operate, bring the unit to your dealer for assistance.



**Do not remove the amplifier cover. Hazardous voltages may exist inside the unit.**

## Specifications

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*Power Output*      100 watts per channel continuous into 8 ohms  
200 watts per channel continuous into 4 ohms

*Gain*                29 dB

*Input Impedance*    10 k $\Omega$

*Power Consumption*    70 watts in standby mode  
240 watts in operating mode, no signal

*Dimensions*        18" W x 14" D x 5-1/2" H (46cm x 36cm x 14cm)

*Weight*              55 pounds (25 kg)



# Warranty

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*Please take the time to fill out  
and return the enclosed  
warranty registration card.*

Your Ayre V-3 power amplifier is warranted against defects in workmanship and materials for a period of five years from the date of purchase. This warranty is transferable to subsequent purchasers within the original five-year period. All warranty claims must be made through an authorized Ayre dealer or distributor. A complete statement of warranty is given below.

## Warranty Statement

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1. Ayre Acoustics, Inc. (Ayre) warrants the materials and workmanship of this product for a period of five years from date of first purchase. If any defects are found in the materials or workmanship of this Ayre product within the warranty period, the unit will be repaired or replaced by Ayre or its authorized agent.

2. Purchaser must return the product, packed in the original shipping carton, freight prepaid to:

Ayre Acoustics, Inc.  
2300-B Central Avenue  
Boulder, Colorado 80301

3. Ayre reserves the right to inspect any product that is the subject of any warranty claim prior to repairing or replacing

it. Final determination of warranty coverage lies solely with Ayre. Out-of-warranty claims will be billed for labor, materials, return freight, and insurance as required. Any product for which a warranty claim is accepted will be returned to the purchaser and the cost of shipping and insurance will be factory prepaid within the boundaries of the USA. Units to be shipped outside of the USA will be shipped freight collect only. This warranty gives specific legal rights. The purchaser also has implied warranty rights, and may also have other rights which vary from state to state.

4. Ayre strives to manufacture the finest possible equipment, and therefore reserves the right to make improvements on its products, without necessarily assuming an obligation to retrofit such changes upon its previously manufactured models.

5. The above warranty is the sole warranty given by Ayre, and is in lieu of all other warranties. All implied warranties, including warranties of merchantability or fitness for any particular purpose shall be strictly limited in duration to five years from the date of original purchase, and upon expiration of the warranty period (five years), Ayre shall have no further obligation of any kind, whether express or implied. Further, Ayre shall in no event be obligated for any incidental or consequential damages as a result of any defect or any warranty claim, whether express or implied. Some states do not allow exclusion or limitations of incidental or consequential damages or limitations on how long implied warranties last, so the above limitation and exclusions may not apply to you.

6. Ayre does not authorize any third party, including any dealer or sales representative to assume any liability of Ayre or make any warranty for Ayre. The unit must not have been altered or improperly serviced. The serial number on the unit must not have been altered or removed.

7. Warranty registration cards must be completed and mailed to Ayre within 30 days of purchase. Ayre may, at its option, require from the purchaser valid proof of purchase (dated copy or photocopy of dealer's original invoice).

8. If this product is used in a commercial or industrial application, then special warranty exclusions may apply. Contact Ayre for commercial warranty policies.

**Ayre Acoustics, Incorporated**  
**2300-B Central Avenue**  
**Boulder, Colorado 80301**  
**303 442.7300**