



POWER MODULES  
Installation and Operator Guide

Belles ARIA DUAL MONO INTEGRATED  
AMPLIFIER



## Introduction

Congratulations on the purchase of your Power Modules audio component. You have purchased a product that is the culmination of decades of amplifier research experience.

David Belles has designed all the Power Modules audio products to exceed in performance any other product in its class.

The Power Modules product has been designed to be a reliable part of your precision sound system, assuming it is handled and installed properly. We have provided these operating instructions for you, which, if followed, will insure you years of listening enjoyment. The purpose of this installation and operation guide is to instruct you in the proper installation and use of your purchase.

Please ensure that you follow all the steps outlined in this guide, paying particular attention to any warnings or cautions. Failure to adhere to the warnings or cautions in this guide could result in damage to your unit.

## Care

The most important thing you can do for your audio component is clean it properly. There may be occasions when dust or dirt may build up on your unit. Polishes, cleaners, solvent or any ammonia based cleaners will damage the finish of your unit. Use a clean cloth and wipe the dirt from the unit. Use greater pressure to clean more persistent dirt. With proper care, the appearance of Power Modules audio product will be preserved for years.

## Unpacking the Unit

When you receive your unit, carefully inspect the carton for any damage. Any obvious dents or scuff marks should alert you to the possibility of damage to the contents. If any external damage to the carton is found, note the location in relation to the orientation of the unit as it is removed from the carton.

Open the top flaps of the carton and carefully remove the unit, lifting it straight out of the carton. Inspect the unit for damage, paying particular attention to those areas that correspond to any damaged areas on the outer carton.

If your unit was damaged (1) Contact your dealer if the unit was purchased locally. (2) Contact your common carrier (eg- UPS) if your unit was shipped to you. Do not send the unit back to the shipper until instructed to do so by the carrier. To do so may void any damage claim you may have.

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Do not discard your packing materials or cartons. Should it be necessary to return the unit, it must arrive undamaged. Using the original packing materials will ensure your unit arrives safely. Sending your unit back in improper packing could lead to the unit being damaged, with no possibility of a successful claim against the carrier. The unit must be placed in the original packing bag to avoid marring the unit.

## Installing the ARIA Stereo Integrated Amplifier

1. Locate where to place the ARIA Dual Mono Integrated Amplifier in your system.
2. Be sure the main components in the system are turned off until the ARIA is installed.
3. To connect a turntable system to the ARIA be sure it has a high output cartridge and connect its interconnects to the phono input on the ARIA's rear only.
4. Connect to the rear inputs 1,2 and 3 any line output equipment such as digital, tuners, tape players, CD players and etc..
5. The rear bypass input can be used with a home theater system to use the ARIA's power amplifier section or to use only the ARIA's power amplifier section with other stereo sources, thus bypassing all of the ARIA's other functions.
6. The preamp rear output operates an external power amplifier or subwoofer.
7. Connect the speaker wires to the ARIA's binding posts observing polarity ( red + positive and black – negative). Never use raw untinned stranded speaker wire as a short circuit could occur. Preferably use spade lugs or banana plugs. The ARIA is designed to operate 4 to 16 ohm speakers.
8. Connect the AC power line to the ARIA using the supplied power cord or a satisfactory custom one.
9. Now you are ready to operate the ARIA stereo integrated amplifier.

## Controls

1. The front panel **POWER** button turns the power on and off
2. The **MUTE** button turns the mute on and off. Whenever the power is turned on the mute comes on automatically.
3. The **BYPASS** button selects Bypass On or Off functions. If either of these functions are accessed the other inputs will be ignored.
4. The **INPUT** button selects Input 1, Input 2, Input 3 and Phono by stepping sequentially.
5. The manual **VOLUME** control located on the front panel operates in all modes except bypass.
6. All above functions are accessed with the supplied **REMOTE CONTROL**

## Specifications

### POWER AMPLIFIER SECTION

85 Watts into 8 ohms & 135 watts into 4 ohms ---- Input Impedance 100,000 ohms  
Over 2000 damping factor @ 1000 Hz ---- Peak current 16 amperes ---- Input  
impedance 47,000 ohms ---- Input sensitivity 1.25, volts for 75 watts ---- Gain 21  
voltage ratio or 26.4 dB --- Frequency response 3dB 0.6 to 80,000 Hz ---- Noise greater  
than 100 dB ---- Distortion less than 0.05%

### LINE SECTION

Frequency response 3dB 1.5 to 160,00 Hz ---- Distortion less than 0.001% ---- Gain  
33.5 voltage ratio or 10.88 dB ---- Noise over 100 dB

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## PHONO SECTION

Frequency response 20 to 20,000 Hz + or – 0.05 dB ---- Gain 33 dB @ 1000 Hz ----  
Noise over 80 dB ---- distortion less than 0.0001%

## OTHER INFORMATION

Dimensions `17" (434mm) W x 4.00" (101mm) H x 12.50" (318mm) ---- Shipping  
weight 34 pounds (15.4 kg) ---- Power 120 VAC 6.3A slow-blow fuse or 200 to 240  
VAC 4.0A slow blow fuse ---- Warranty 5 years

## Preparation and Checkout

Like any high performance, audiophile quality component, Power Modules  
components require about 250 hours of circuit forming (burn-in) time before a realistic  
evaluation of its capabilities can take place.

## Limited Warranty

Power Modules Inc., herein referred to as the “manufacturer”, guarantees this product to be free from defect in both material and workmanship, and agrees to remedy any such defect or replace any defective component at no charge for a period of five years from the date of sale to the first end user. This warranty is void if the product has been found to be subjected to misuse, abuse, lightning strike, unauthorized service, damaged in transit, or has been altered or repaired in such a way so as to detract from its performance, reliability, or its safe operation.

Should such a defect be discovered and it falls within the terms of this guarantee, the manufacturer will correct the defect in workmanship and/or replace any defective component with a new one of similar capability and value. This warranty does not apply to the cabinet or appearance items such as the faceplate, control knobs, or meter lenses, nor does it cover any expenses incurred in shipping the unit to the appropriate service depot.

The foregoing is in lieu of any other warranties expressed, implied, or statutory and the manufacturer neither assumes nor authorizes any person to assume for it any other obligation or liability in connection with the sale of this product. This warranty is not transferable except by written authorization from the manufacturer.

In order to qualify under the terms of the above warranty, all items must be returned to the appropriate factory service depot with all shipping charges prepaid. In lieu of having previously registered the purchase of the unit by completing and returning the attached Purchase Registration Card, the unit must be accompanied by proof of purchase (bill of sale) from an authorized Power Modules dealer.

Power Modules Inc.

Please Note: Defective units must be returned to the selling dealer or to Power Modules at their service depot within the country of sale.

The shipping address is: Power Modules Inc. 479 East St. Pittsford, N.Y. 14534 Phone Number: (585) 586-0740

### **Warning**

TO PREVENT SHOCK OR HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER OR FACEPLATE. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Model No. \_\_\_\_\_ Ser No. \_\_\_\_\_

Purchased From: \_\_\_\_\_ On: \_\_\_\_\_  
(Name of Dealer) (Date)