



POWER MODULES
Installation and Operator Guide

Belles ARIA SIGNATURE INTEGRATED
AMPLIFIER

Introduction

Congratulations on the purchase of your Power Modules audio component. You have purchased a product that is the culmination of over 40 years of amplifier research experience.

David Belles has designed all the Power Modules audio products to exceed in performance over 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. Endust and Pledge are okay to use if wiped thoroughly. 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.

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 SIGNATURE

1. Locate where to place the ASIG Integrated in your system.
2. Be sure the main components in the system are turned off until the ASIG is installed.
3. Connect the turntable system to the rear MM phono inputs of the ASIG and be sure it has a high output cartridge.
4. Connect the other line inputs In 1, 2, 3 and Bal in (balanced in) to your sources.

Note that input 3 is at a separate location near the MM phono inputs. The front panel input selector may label it as PH MC.

5. The Bypass input allows direct access to the ASIG's power amplifier by disconnecting from its preamplifier section. The preamplifier output may be connected to a processor or other device and the output of the device to the bypass input thus, inserting it in the signal path.
6. The preamplifier output (balanced or unbalanced) operates an external device.
7. The headphone jack is located on the front panel. It will require a standard 1/4" plug. A 3.5 mm phone plug will require an adapter. To operate the headphones turn on the MUTE function, This will turn off the power amplifier so that only the headphones are on.
8. Connect the speaker wires to the ASIG's binding posts observing polarity (red + positive and black – negative). Never use raw untinned stranded speaker wires as a short circuit could occur (even though the ASIG is protected). Preferably use spade lugs or banana plugs. The ASIG operates at any 4 to 16 ohm load
9. Once all proper connections are made, connect AC power to the ASIG using the supplied power cord or a satisfactory custom one.
10. Now you are ready to the ARIA Signature Integrated Amplifier.

11. 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.

FEATURES AND CONTROLS

INPUTS: Three Unbalanced (RCA) stereo line inputs, One Balanced (XLR) stereo line input, One Bypass power amplifier (RCA) stereo input, and One moving magnet phono (RCA) stereo inputs.

OUTPUTS: One stereo pair speaker binding post outputs. One stereo Balanced (XLR) preamplifier outputs and One Unbalanced (RCA) preamplifier outputs. Also, One stereo headphone 1/4" jack output

1. Front panel POWER button turns power on and off.
2. The MUTE button turns the mute on and off. When the power is turned on the mute comes on automatically. To use the headphones and disconnect the speakers turn on the mute function.
3. The INPUT button selects Input 1, Input 2, Balance Input, Phono input and Input 3 by stepping sequentially.
4. The VOLUME control located on the front panel operates in all modes except Bypass.
5. The BYPASS button selects the bypass mode.
6. All functions are accessed with the supplied REMOTE CONTROL.

Specifications

The ARIA Signature power amplifier section specifications are as follows:

Frequency Response 3 to 80,000 Hz +0 –3.0 dB
Power Rating125atts into 8 ohms and 225 watts into 4 ohms
DistortionTHD and IM less than 0.05%
Gain..... 26.4 dB. 21 voltage
Input Impedance100,000 ohms
Hum & Noise.....greater than 100 dB

The ARIA Signature Preamplifier section specifications are as follows:

Frequency Response 1 to 250,000 Hz +0 –3.0 dB
DistortionTHD and IM less than 0.01%
Gain..... 9.54dB. 3 voltage
Input Impedance100,000 ohms
Hum & Noise.....greater than 100 dB

The ARIA Signature Phono section specifications are as follows:

Frequency Response 20 to 20,000 Hz or –0.1 dB
DistortionTHD and IM less than 0.05%
Gain..... 40 dB
Input Impedance47,000 ohms
Hum & Noise.....greater than 80 dB

Other specifications are as follows.

Dimensions.....16” L x 18” “W x 4.5”H
Shipping Weight.....40 pounds
Power Requirements.....6.3A SB @ 120 VAC or 4.0A SB @ 240 VAC 50/60 Hz

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)