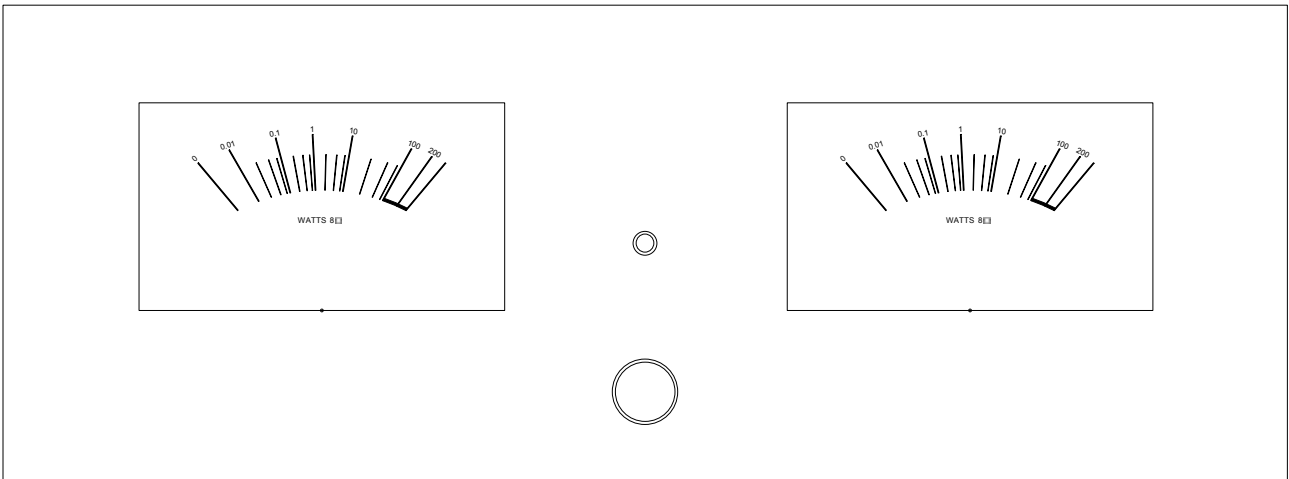




Vajra

Precision Stereo Power Amplifier



Owner's Manual

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Introduction

Thank you for choosing the Vajra to be a part of your high performance music listening system. Each Vajra is handcrafted, using the very latest, no compromise, cutting edge technology and componentry. This ensures the best possible sound reproduction currently available and guarantees many years of listening enjoyment.

We understand that you are eager to begin listening; however, please take a few minutes to read through this guide for useful information concerning the operation of your new amplifier. OAD Ultrafidelity equipment takes a considerable time to run in before it performs at its best. The duration varies, but under some conditions the sound may continue to improve for over one month. Better and more consistent performance will be achieved if the system is left switched on for long periods. It is worth remembering however that equipment left connected to the mains can be damaged by lightning.

After reading this manual, if you have any further questions regarding your amplifier, contact your dealer or OAD Ultrafidelity customer service – they will be happy to help you to make the most of your new product.

Happy Listening!

Warnings

- To prevent fire or shock hazard, do not expose your Vajra to rain or moisture.
- Do not place objects containing water on top of this unit.
- This unit contains voltages that can cause serious injury or death.
- Do not operate with covers removed.
- A power cord is shipped with your Vajra that meets the required safety standards. It is important for both safety and performance that the standard cable supplied is not modified.
- A switch at the front of the Vajra must be accessible in case of emergency power disconnect. For continued protection against fire hazard, replace the fuse only with the same type and rating (see page 3 for fuse information).

- Your hi-fi system, including the Vajra, can be damaged by lightning and should be turned off and disconnected from the mains when there is risk of lightning strike.
- OAD recommends that all connections to the Vajra are made with either the mains power cord disconnected or the front mains switch left in the OFF position.
- Refer servicing to your authorized OAD Ultrafidelity dealer or service personnel.

Ventilation

Due to its highly powerful power supply the Vajra will run warm to hot when in use. You must allow for this in installation, by providing for free air circulation around the product. Never block any ventilation openings. Allow at least 60 mm of clearance around this product for proper ventilation. Electronics should not be subjected to sources of excessive radiant heat. Excessive heat can shorten the life of the product.

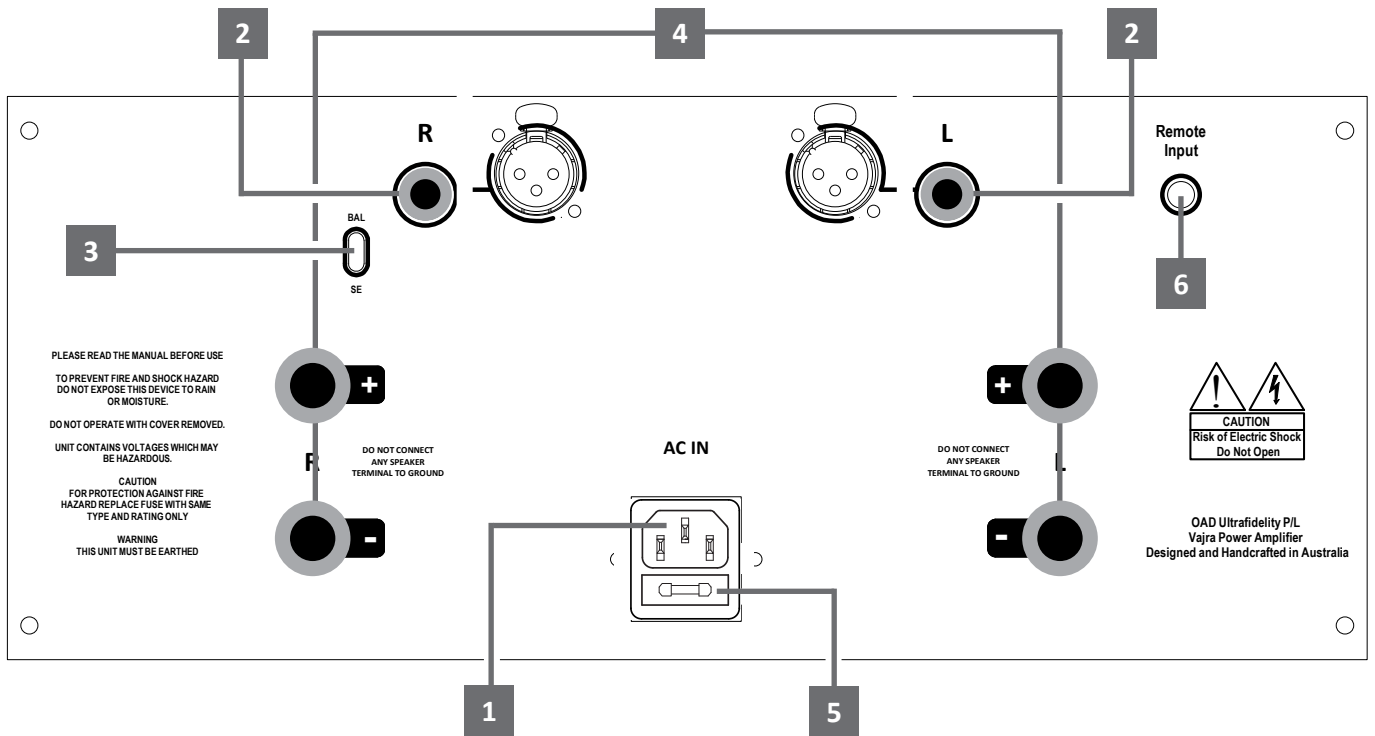
Packaging

Save all packaging in a dry place away from fire hazard. Your Vajra is a precision electronic instrument and should be properly boxed any time shipment is made. It is very unlikely that you will have to return your unit to the factory for service, but if that should prove necessary, the original packaging will protect your Vajra from unnecessary damage or delay.

Interconnect Cables

RCA/XLR Interconnect plugs should be kept clean and free from corrosion.

The Vajra is fitted with gold plated oxygen free copper RCA input sockets & Binding Posts that will tarnish in time. Tarnished or oxidised gold does not degrade the quality of contact. This is a distinctive property of gold plating. If you wish to clean the connectors, switch off the equipment, pull the plugs out of their sockets, and push them back in again. Contact cleaners and “enhancers” should not be used as the film they deposit may degrade the sound.



1 AC MAINS INPUT

- The Vajra comes supplied with a detachable mains power cord. Connect corresponding end of the mains power cord to the AC mains input of the Vajra and the plug to a mains power source.
- Always disconnect the mains power plug from the mains power source first, before disconnecting the cable from the Vajra’s AC mains input socket.

2 AUDIO IN

- The Vajra is fitted with BALANCED and SINGLE-ENDED inputs.
- Single-ended inputs should be used with a preamplifier (or electronic crossover etc.) that has single-ended outputs which do not invert overall phase or polarity. Disconnect any balanced cables.
- Balanced inputs can be used with a preamplifier (or electronic crossover etc.) that has balanced outputs. Disconnect any single-ended cables.

3 SINGLE ENDED - BALANCE SELECTION

- Select which input for use is desired. SE for RCA inputs or BAL for Balanced inputs.

4 SPEAKER OUTPUT

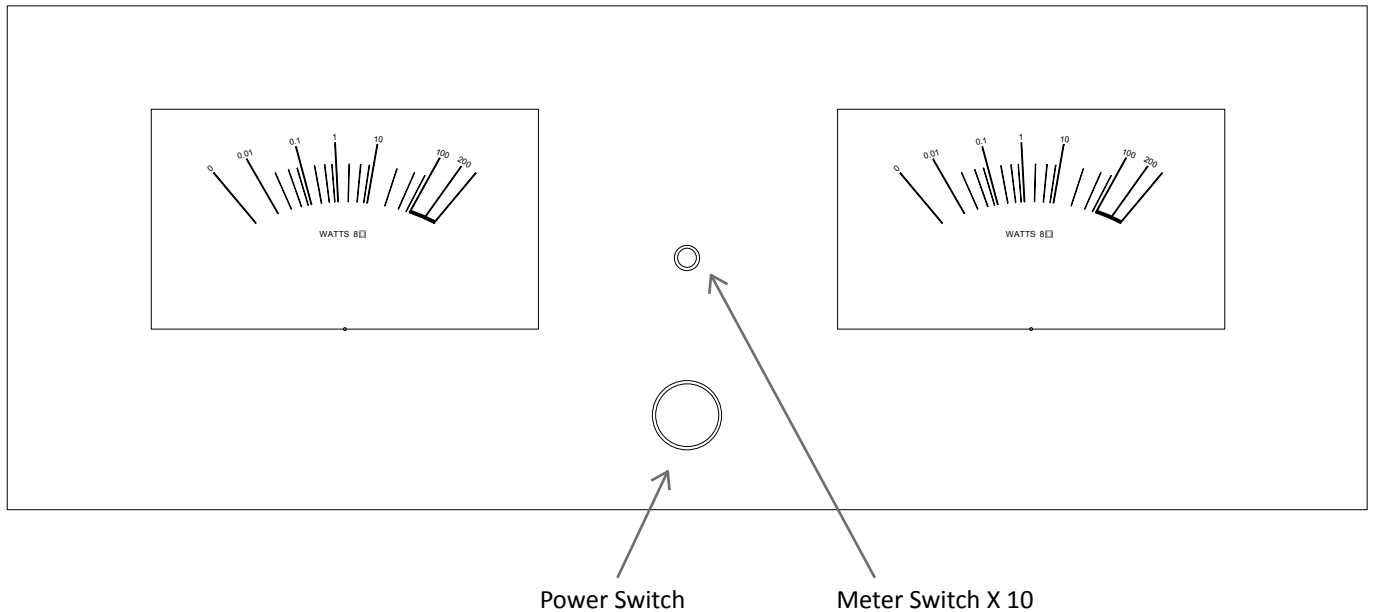
• The SPEAKER OUTPUT is the main output port that connects the Vajra to your loudspeakers. Use the best available speaker wires. As your system improves in resolution from the addition of quality components, it becomes increasingly important to avoid the limitations of inferior system interconnections. It is important sonically that your entire system be connected so that the audio signal arriving at the speakers has correct absolute polarity or phase (i.e. is not inverted). Connect the black or (-) speaker terminal to the wire that connects to the appropriate-channel (-) binding post on the amplifier. Connect the red or (+) speaker terminal to the wire that connects to the appropriate-channel (+) binding post on the Vajra. Tighten the binding posts firmly to ensure good contact for optimum sonic results.

5 FUSE HOLDER

- Your Vajra is already fitted with a fuse. For protection against fire hazard, replace fuse with same type and rating only. Installing an incorrect fuse may cause damage, thus voiding the warranty of your Vajra.

6 REMOTE INPUT

• If you have purchased the Padma Preamplifier then all you need to do is to connect the Padma 3.5mm Remote Output (either L or R) to the Vajra 3.5mm Remote Input for remote switching and permanently leave the power switch depressed on. This will allow both the Padma and the Vajra to be powered on and off with the Padma remote control.



Power Switch

The power button defines the operating condition ON or OFF (white LED). In operating condition OFF, the loudspeaker terminals are muted.

Meter Switch

The meter switch will multiply the power reading by 10 times. Meter readings are only accurate for a sinusoidal signal into a pure 8 Ohm resistive load.

In-built Protection Functions

In-built Protection ensures safe operation and a long lifetime. The Vajra Power Amplifier has the following protection functions:

Fuse

The mains connection has a fuse which protects your Vajra against too high power consumption. Please replace with the same fuse type. The fuse is located within the mains switch on the rear side of the Vajra.

Model 220 - 240 V, 50-60Hz 5A/250V anti surge (T) M205

Model 100 - 120 V, 50-60Hz 7.5A/250V anti surge (T) M205

Level Limitation

If input signal levels become too high, then the soft clip circuit will activate. The activated soft clip circuit may distort the output signal significantly, thereby causing a reduction in sonic performance. Please ensure that the input levels are within the limit of 4 Vrms for single-ended and 2Vrms for balanced connections.

In-built Protection Functions

Over-Current

If the output current to the loudspeakers ever exceeds 15 amps, the speakers will electrically disconnect from the Vajra automatically.

Specifications

Power output:	180W into 8 Ohms 360W into 4 Ohms both channels driven.
Sensitivity:	4VRMS (SE), 2VRMS (BAL)
Input Impedance:	12.0 kOhm (SE) 24.0 kOhm (BAL)
Damping Factor:	>500
Noise out:	<-100 dBu (0-22kHz bandwidth RMS, Rs = 50R)
Voltage amplification:	27 dB
Frequency response:	0-100kHz +/-1dB
THD:	0.005% at 1kHz (100kHz bandwidth)
Weight:	30 kg (66.14 lbs)
Shipping Weight:	33.5 kg (73.9 lbs)
Dimensions: (H x W x D)	175 x 432 x 420mm (6.9" x 17" x 16.5")
Shipping Dimensions: (H x W x D)	567 x 565 x 290mm (22.32" x 22.24" x 11.41")

Technical specifications are subject to change without prior notification.

Warranty

OAD Ultrafidelity products are covered by a 3-Year Limited Warranty. This Limited Warranty initiates from the date of purchase, and is limited to the original purchaser. Outside Australia, the authorized importing retailer or distributor has accepted the responsibility for warranty of OAD Ultrafidelity products sold by them. The specific terms and remedies for fulfilment of the Limited Warranty may vary from country to country. Warranty service should normally be obtained from the importing retailer or distributor from whom the product was purchased. In the unlikely event that technical service beyond the ability of the importer is required, OAD Ultrafidelity will fulfil the terms and conditions of the Limited Warranty. Such product must be returned at the purchaser's expense to the OAD Ultrafidelity factory, along with a photocopy of the dated purchase receipt for the product, a written description of the problem(s) encountered, and any information necessary for return shipment. The cost of return shipment is the responsibility of the purchaser.

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