



PELLAR

High Performance Phono Pre-amplifier
User Manual

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Extended 5-Year Warranty

AVID is pleased to extend the normal warranty duration to 5-Years from the date of original shipping. This warranty is transferable in the unlikely event that you would sell this unit onto another party. Register your product at:

www.avidhifi.com/register

Introduction

AVID has long been recognised as a leading force in engineering British high-end turntables.

What might surprise some, is the technology and engineering involved in our Power supplies alone, surpasses that inside most amplifiers.

AVID applied their engineering ability to design a phono amplifier called the Pulsare, capable of realising the full potential of not only their own, but all the current breed of world-class turntables.

The highly awarded Pulsare was followed with the launch of the Pulsus and following further development and our 'trickle down' design policy we present the Pellar phonostage.

The Pellar phono stage is directly related to the Pulsus and has a common optimized internal circuit design to minimize hum and noise while maximizing the signal headroom.

Designed, manufactured and tested entirely within our Huntingdon facility, the Pellar components, PCBs and casework have all been optimised to create a product with the performance, longevity and flexibility to provide a lifetime of service to the most discerning audiophiles.

We hope that you enjoy this product for many years!

Warnings

1. Do not expose either the power supply or phono unit to rain or moisture.
2. All components inside have been specifically optimised for the best quality reproduction. Tampering will invalidate any warranty.
3. The Pellar contains voltages which can cause serious injury or death and there are no user serviceable parts and there is no reason to open it. In situations of failure return to an approved dealer or service agent or contact AVID directly.
4. The Pellar has a possible high output voltage and may overload pre-amplifiers if the wrong gain setting is selected. Please check product manuals or your dealer for advice.

Packaging

Save all the packing in a dry place away from fire hazard. The Pellar is a precision instrument and the packaging has been especially designed so that all component parts are safe during transportation.

You should not have occasion to return your unit to us, but if you need to, the unit must be shipped in its original packaging to keep it from damage.

Parts Checklist

1 x Instruction Manual

1 x Pellar Phono Stage

1 x Mains Cord

2 x RCA Loading Plug

Servicing

Because of the careful design of this product, general servicing is not required.

Cleaning

To maintain the visual appearance, occasionally dust the surfaces with a normal duster - no need for any sprays or polishes. Never use cleaners containing abrasives, as this will damage the surface.

Controls and Connections



PHONO UNDERSIDE

Controls

- GAIN LEVEL (MM – MC (low) – MC (high)
- MC low is for high output MC cartridges
- MC high is for low output MC cartridges



REAR PANEL

Connections

- INPUT RCA L/R
- LOADING RCA L/R
- EARTH POST
- OUTPUT RCA L/R
- MAINS IEC INPUT

User Notes

The Pellar allows the user to optimize the phonostage to the many different cartridges available. This is achieved using the switches easily accessible on the underside of the Pellar phono unit. The switches are configured in left and right channel and should both have the same settings.

The switches select between the three different gain options. For a normal high output moving magnet cartridge the switches should all set to "OFF". When using moving coil cartridges the switch position will depend on the cartridge output voltage and the preamp it is used with. Some experimentation will be needed to give the best results. As a general rule the MC (high) setting is for cartridges with outputs from 100 to 500uV and MC (low) setting for 500uV to 3mV.

For Moving Magnet (MM) cartridges the input resistance is fixed at 47K Ohms. Moving Coil (MC) cartridges will usually require a much lower input resistance value and most cartridge manufacturers give a recommended loading value for their product. Different loading values can be applied with the use of loading plugs. Two are supplied with a 500 Ohm value which should suit a wide range of cartridges.

Loading Values

If you require an impedance of 1k or less, simply fit a 1/4 Watt resistor of the required value. For values above 1k, please consult your dealer.

The phonostage outputs are RCA style connectors suitable for connection to your amplifier. Red is right output and White is left output.

Channel inputs not colour coded but you should mirror the output connections. Use the lower input RCA connections for the turntable and the upper RCA sockets for loading plugs.

If your turntable has an earth connection a binding post is provided.



For users who have to use two-pin mains sockets, please note that on a standard IEC mains female plug, the right hand pin (see image) is the 'Live' pin—always make sure this is connected to the live pin on the wall socket. Failure to do so will mean that the neutral feed will pass through the mains switch rather than the live feed, which is less safe and should be avoided.

Warranty Statement

UK Residents

AVID HIFI Limited products are warranted against defects in materials and workmanship for a period of two years from the original date of purchase, or no later than three years from the date of shipment to an authorized AVID agent, whichever comes first, extending to five years subject to the product owner having submitted the Registration form (www.AVIDhifi.com/register.htm).

Also the following conditions being observed.

- The product must have been purchased through an authorized AVID dealer
- This warranty is in favour of the original purchaser only, except where...
- Warranties are transferable to subsequent owners provided the new owner completes the product registration form. Warranty obligation is passed from dealer to manufacturer.
- During the warranty period, AVID will repair, or replace any defects in material or workmanship, without charge for parts or labour.
- Should product need to be returned a written description of the defect and a photocopy of the original purchase receipt must accompany it. Receipts must show the model, serial number, date of purchase, name and address of purchaser and authorized dealer and the price paid.
- Returned product must be packed in the original packing and returned to AVID or original dealer by the customer at his/her expense. AVID will pay return freight of its choice.
- The warranty is void if the product has been used or handled other than in accordance with the instruction manual supplied, abused or misused, damage by accident or neglect or in being transported, or the defect is due to the product being repaired or tampered with by anyone other than AVID or an dealer with prior authorization.
- The warranty is void if the product serial number has been removed, altered or made illegible.
- The warranty is void if the product has been taken out of the country of purchase.
- AVID shall not be held liable for incidental or consequential damages of any kind arising from the sale or use of its products.
- The warranty applies to ex-demonstration product, using manufacture date as purchase date.
- Where the product is sold under a consumer transaction (as defined by the Sale of Goods Act 1979) the statutory rights of the purchaser are not affected by this warranty.
- Products are sold on the basis of specifications applicable at the time of sale. AVID shall have no obligation to modify or to update products once sold.

Outside UK

- AVID has formal distribution in many countries throughout the world. In each country the AVID importer has contractually accepted the responsibility for the product warranty. Warranty should normally be obtained from the importing agent or distributor from whom you obtained your product. In the unlikely event of service required beyond the capability of the importer, AVID will, of course, back up the warranty.
- Where product has been either supplied directly or there is no current distributor, AVID accepts responsibility for the warranty period.
- Returned product must be packed in the original packing and returned to AVID by the customer at his/her expense. AVID will pay return freight of its choice.
- The warranty is only valid in the country of purchase.
- Products outside their original destination requires that units with remaining warranty be returned to the country of purchase for the warranty to be valid. Customer is responsible for freight both ways and all associated import and export charges.
- Foreign distributors are not required to provide warranty service, repair or change AC mains voltage on units that they did not originally import and sell.
- Foreign distributors may at their discretion offer service for a fee.

MISCELLANEOUS. ANY IMPLIED WARRANTIES RELATING TO THE ABOVE PRODUCT SHALL BE LIMITED TO THE DURATION OF THIS WARRANTY.
THE WARRANTY DOES NOT EXTEND TO ANY INCIDENTAL OR CONSEQUENTIAL COSTS OR DAMAGES TO THE PURCHASER.

WARRANTOR. Inquiries regarding the Limited Warranty may be sent to the following address:

AVID HIFI Limited. Bicton Industrial Park, Kimbolton, Huntingdon. PE28 0LW ENGLAND

Specifications

PELLAR PHONO STAGE

INPUT SELECTION	RCA (unbalanced)
OUTPUT OPTIONS	RCA (unbalanced)
GAIN	48dB – 60dB – 70dB
INPUT RESISTANCE	47K—LOADING PLUGS
INPUT CAPACITANCE	100pF
DISTORTION	Less than 0.001%
RIAA ACCURACY	+ 0.5dB 5Hz – 70KHz (<i>Neumann HF correction</i>)
NOISE (<i>A weighted</i>)	MM –81dB MC –67dB (<i>high setting</i>)
MAXIMUM OUTPUT	18V RMS
MAXIMUM INPUT @1KHz	MM 120mV
	MC 4.8mV (<i>MC high</i>)
CHANNEL SEPARATION	< -85dB 5Hz – 20KHz
VOLTAGE INPUT	100-240vac 50/60Hz 10 watts max. (depending on region)
DIMENSIONS (phono)	120 x 230 x 70mm (wxdxh)
NET WEIGHT	1.6Kg (2lb)
PACKAGING	310 x 260 x 110mm (wxdxh)
SHIPPING WEIGHT	2.2Kg (5lb)

AVID reserves the right to improve or change its products without notice at any time.

EC DECLARATION OF CONFORMITY

We the Manufacturer **AVID HIFI Limited**

Bicton Ind. Park, Kimbolton, Cambridgeshire. PE28 0LW (UK)

TEL: +44 (0)1480 869900 / Email: info@avidhifi.co.uk / Web: www.avidhifi.co.uk

Acknowledge our sole responsibility, that the product:

KIND OF EQUIPMENT: **Phono Preamplifier**

TYPE DESIGNATION: **PELLAR** (All Variants)

In accordance with the EMC Directive **2014/30/EU** is in compliance with the following norm(s) or document(s):

Technical regulations: **EN 55032:2015+AC:2016 / EN 55035:2017 EN 61000-3-2:2014 / EN 61000-3-3:2013**

&

In accordance with the Low Voltage Directive **2014/35/EU** is in compliance with the following norm(s) or document(s):

Technical regulations: **EN 62368-1:2014**

&

Is in conformity with Directive **(EU) 2015/863** Restriction of Hazardous Substances in electrical and electronic equipment.

Conrad Mas

(Managing Director)

Date: **4th January 2021**



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