

Audiant VP3 Vinyl Preamplifier

Owners Manual



Audiant VP3 Vinyl Preamplifier



Important Safety Instructions

Explanation of symbols used in this manual or on the rear of the device:



This symbol is intended to alert the user to the presence of uninsulated dangerous voltages within the enclosure of sufficient magnitude to cause electric shock.



This symbol is intended to alert the user to the presence of important operation, maintenance and servicing information in the instruction and service manuals.

Caution

- To reduce the risk of electric shock, do not remove the cover.
- No user serviceable parts inside.
- Refer servicing to qualified service personnel.
- Replace the mains fuse in the plug with one of the same type and rating.
- Disconnect supply cord before changing fuse.

Warning

To reduce the risk of fire or electric shock, do not expose this device to rain or moisture. Shock hazard - do not open.

Mains Plugs

- This device is supplied with a non-rewireable mains plug for the intended country.
- Replacement mains leads can be obtained from your Perreaux dealer. Should you need to change the plug please dispose of it carefully.
- A plug with bared conductors is dangerous if engaged in a live socket.
- The Brown wire must be connected to the Live (Line) supply pin.
- The Blue wire must be connected to the Neutral supply pin.
- The Green/Yellow wire must be connected to the Earth (Ground) supply pin.
- Please contact your dealer or a competent electrician if you are in any doubt.
- Refer to the rear of the product for fuse and mains voltage information.



This product is designed to comply with international directives on the Restriction of Hazardous Substances (RoHS) in electronic equipment. The wheellie bin logo indicates compliance and that these products must be recycled or processed as according to these directives.



General Safety Instructions

All safety and operation instructions should be read carefully before the Audiant VP3 Vinyl Preamplifier is operated. Keep the Owners Manual in a safe place for future reference.

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use the device near water, for example near a bathtub, kitchen sink, in a wet basement, near a swimming pool, etc.
- Clean only with a dry cloth.
- Mounting to a wall or ceiling should be via a heavy-duty bracket or shelf designed for audio equipment use.
- The device should be situated away from heat sources such as radiators, stoves, or other appliances that produce excessive amounts of heat.
- DO NOT place the device directly onto carpeted surfaces.
- Avoid exposing the device to extremely high or low temperatures.
- The device should be connected to a mains power supply only of the type described in the operating instructions, and/or as marked on the rear of the unit.
- DO NOT defeat the safety earth of the grounding type mains plug, severe injury or death may result. If the provided plug does not fit into your outlet, contact your dealer or consult an electrician.
- The power cord should be routed so that it is not likely to be walked on or pinched by items placed on or against it.
- Unplug the device during lightning storms or when unused for long periods of time.
- DO NOT let objects or liquids fall into the device, expose the device to dripping or splashing or place a vessel containing liquid on top of the device.
- Keep this device out of reach of children.
- DO NOT operate the device with the cover removed.
- DO NOT bypass any fuse, replace only with the value and type specified.
- DO NOT attempt to repair the device. In the event of a problem, please contact your Perreaux dealer.
- DO NOT operate this product in an explosive atmosphere.



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Introduction

Thank you for choosing this Audiant VP3 Vinyl Preamplifier. We sincerely hope it provides you with many years of music listening pleasure.

The Audiant VP3 is a highly flexible customisable vinyl preamplifier capable of connecting both Moving Magnet and Moving Coil cartridges to your audio system, providing low distortion, high dynamic range and a sound which is open, detailed and transparent.

The VP3 includes separate low noise input stages for Moving Magnet and Moving Coil cartridges with dip switches for both resistive and capacitive loading on each input allowing for a clean, direct customisable signal path from the cartridge output.

The separate direct connections and switches ensure minimal noise and maximum channel separation, with the added ability of connecting two cartridges simultaneously and conveniently selecting between the two from the front panel.

Four different gain settings, the ability to switch between the normal RIAA and IEC RIAA equalisation curves and the selectable Mono input ensure the highly flexible VP3 is compatible with any cartridge and audio system through the high rated balanced (XLR) and unbalanced output connections.

The highest quality internal power supply features a custom designed, fully shielded toroidal transformer with shunt voltage regulation and filtering ensuring a low noise supply providing high levels of transparency, detail and dynamics.

The internal layout ensures that the power supply is separated from the preamplifier stage to reduce noise while the mirrored layout of the preamplifier design about the output ensures maximum channel separation.

Whether as part of a complete Audiant system or as the vinyl preamplifier in your existing system, the VP3 will reconnect you with your MUSIC.

Thank you for taking the time to read this manual; we do recommend you keep it for future reference.



Martin van Rooyen,
Perreux Managing Director
and the Perreux design team



The Decision Making Process

In this section, our objective is to help you extract the most out of your investment in your audio system. May we take a moment of your time with the following suggestions.

The aim of high fidelity audio is to attempt to recreate the original performance in its entirety via the recorded medium. To help you get to know what various instruments really do sound like, listen to live concerts of musical performances that you prefer. Select a few recordings of similar performances for comparison.

Your Perreaux equipment will (and the rest of your system should) provide a precise duplication in your listening area of the total musical performance, including the ambience of the venue in which the recording was made.

Read magazines

Read hi-fi and audiovisual magazines, particularly the equipment reviews and letters to the editor sections. Use these as a general guide only, and try to read "between the lines". Remember no one specifically sets out to downgrade a particular piece of equipment, so what is not included in the review is often as important as the actual printed content.

Choose Your Hi-Fi dealer carefully

Choose your hi-fi dealer carefully; they are your professional guide. Preferably, they should be knowledgeable about music and recording techniques as well as the equipment itself. They should be able to provide a total service, including installation, system "tuning" advice, problem solving and after sales service.

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Frequent your dealer and listen to a variety of equipment using recordings, which are familiar to you. Ask questions and listen to advice, but remember to trust your own ears to tell you what sounds right for you. If possible, listen to your equipment choice in your own listening area before you finally make your purchase.

When deciding on your system you will need to differentiate between sales gimmicks and cosmetic wizardry, as against practical features and facilities. Recognise the "Christmas Tree Syndrome"- namely, the more flashing lights and switches the better it must be. Bear in mind that you are paying for these, and because of the necessity of careful pricing, compromises may have been made in the internal component quality vital for accurate sound reproduction. Each component through which the audio signal must pass will add its own character to the music you hear, hence the expression, "colouration".

Perreaux products are carefully designed to minimise componentry within the audio signal path. All componentry used is of highest quality and only included when absolute necessity is established; no component is there for a free ride or to correct for deficiencies elsewhere in the circuitry. With Perreaux, emphasis is placed on maximum sound quality, component and unit reliability and long life.



Minimalist Design

Minimalist design

Leading British architect, John Pawson, writes:

“The Minimum can be defined as the perfection that an object achieves when it is no longer possible to improve it by subtraction. This is the quality that an object has when every component, every detail, and every junction has been reduced or condensed to the essentials. It is the result of the omission of the inessentials”.

Perreaux has historically embraced the minimalist ethic from an audio design perspective only. The concept of “less equating to more” has been at the heart of all Perreaux audio designs for more than 40 years.

Minimalist electronics

We wish to maximise the quality of your listening pleasure by keeping the componentry and signal path as uncluttered, short and clean possible. All components in the signal path, even those of the highest quality have an effect on the signal, thereby altering the quality of the reproduction in some way. Our aim is to recreate in its entirety, the original performance by not adding or subtracting anything, irrespective of the source.

Minimalist user interface

We carefully study the user interface and par down the number of buttons and associated clutter leaving just the essential and no more. How tempting it has been over the years to loose sight of our core values as technology or trends have made it possible. That is one of the reasons why our older products still have such a high resale value today. The user interface has and always will remain simple, free from adornments, clean and uncluttered.

Minimalist aesthetics

Our products appeal to those who seek the ultimate in audio exclusivity, namely the perfect blend of “form and function”.

“Form and function” are both tough masters. That is why our amplifier heat sinks are not hidden, but instead feature prominently in all our designs. We make no excuses for producing some of the most distinctive high-end audio products on the planet. We let “form and function” blend together in perfect harmony. This surely is the essence of true minimalist utilisation.

Minimalism in a wider context

John Pawson writes:

“Clearly simplicity has dimensions to it that go beyond the purely aesthetic: it can be seen as the reflection of some innate, inner quality, or the pursuit of philosophical or literary insight into the nature of harmony, reason, and truth.”



Features at a Glance

Slim and stylish

The VP3 features an extruded full width monocoque aluminium cover / front panel assembly. The chassis is then carefully sandblasted and clear anodised. The front panel consists of a beautiful black perspex touch panel for minimalist selection of all functions. The VP3 is slim and stylish and will perfectly compliment any listening environment.

Highly flexible

The VP3 will fully cater for all high / low output moving coil and moving magnet cartridge types.

Fully customisable

The 36 rear mounted user accessible dip switches provide maximum flexibility and versatility. In years to come you may wish change your cartridge according to your tastes, however there is no need to change your VP3 as it can easily be adjusted to suit. In the rare event that you can't find the correct dip switch settings, the VP3 can also be internally customised to suit your exact requirements.

Two turntables can be independently set up and simultaneously run

The VP3 can simultaneously cater for two turntables.

One turntable input can be set to use moving magnet or high output moving coil cartridge and the other turntable input can be set up for a low output moving coil.

Possible options are:

- 1 x Moving magnet turntable and 1 x low output moving coil turntable
- 1 x High output moving coil turntable and 1 x low output moving coil turntable

Touch panel selectable

The VP3 features capacitive touch panel selection of all front panel icons. The user can turn the unit on or off, select between moving magnet and moving coil inputs and turn the mono output on or off.

Separate inputs

The VP3 features separate low noise input stages for moving magnet and moving coil cartridges, ensuring minimal noise and maximum channel separation.

Normal RIAA or IEC RIAA equalisation profiles

Using the rear mounted dip switches the user can select between normal RIAA and IEC RIAA equalisation profiles.

Highly accurate and low distortion

Featuring a diminutive total harmonic distortion figure of only 0.002% at 1KHZ @ rated output, the VP3 is highly accurate and will faithfully reproduce your favorite recordings to be as perfect a recreation of the original as possible.

High dynamic range

The VP3 features an exceptional dynamic range.

Balanced and unbalanced outputs

The VP3 features balanced and unbalanced outputs. By employing entirely separate buffer stages, it is perfectly acceptable to use both outputs simultaneously without interference or degradation in signal performance.



Highest quality internal power supply

The VP3 features a fully shielded toroidal transformer with shunt voltage regulation and filtering, resulting in an ultra low noise power supply providing high levels of transparency, detail and dynamics.

Fully mirrored internal layout

The internal layout has been laid out in full mirror fashion to ensure maximum channel separation.

Trigger input

The VP3 can be remotely turned on and off as part of your system using the rear mounted trigger input.

Mono

The VP3 also caters for mono recordings.

Installation

Unpacking

The Audiant VP3 Vinyl Preamplifier is supplied with the following accessories:

- Mains lead
- This manual
- 3.5mm mono remote trigger lead

We recommend you retain the packaging for reuse in case you need to transport the unit at a later date.

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Placement

Your Audiant VP3 Vinyl Preamplifier should generally be placed close to your preamplifier keeping interconnect cabling short. Although when using balanced interconnects, the amplifier may be placed further away from the preamplifier without degrading the sound.

Ventilation Requirements

Your Audiant VP3 Vinyl Preamplifier should be placed in a position that does not restrict the airflow around it. Allow at least 80mm (3 inches) above and to each side of the unit and mount your Audiant VP3 Vinyl Preamplifier on a flat surface for air circulation to allow heat to dissipate.

Do not place directly onto a carpeted surface as it will reduce air circulation and the heat will not dissipate as intended.

If the device is used in a cabinet, air must be able to flow through. An enclosed cabinet will severely restrict heat dissipation. Ensure that nothing is placed above or below the unit that might block or restrict the vents.

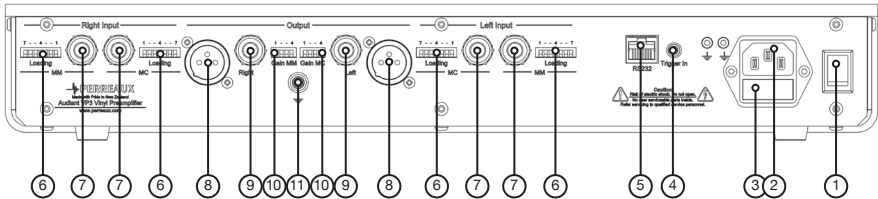
Other Devices

Ideally, your Audiant VP3 Vinyl preamplifier should not be located directly above or adjacent to other heat-producing products such as radiators, other power amplifiers, etc. If multiple amplifiers are being used and space is restricted, placing them side by side is preferable to stacking.

It is advisable to position your Audiant VP3 Vinyl Preamplifier close to your turntable and away (and if possible, connected to a power socket on a different circuit) from powerful electrical or electronic products such as TV sets, computers, cookers, fridges etc. This will prevent the possibility of the strong electrical and electromagnetic emissions or interference given off by such devices adversely affecting the performance of your preamplifier.



Connecting - Rear Panel



Important:

Before making any connections, switch off the mains power to all components in your system.

1 Power On/Off

The Power switch turns power to the unit on and off.

2 Mains Power Socket

The Mains Power Socket is used with the removable mains power cord to supply your Audiant VP3 Vinyl Preamplifier with power.

Before connecting your Audiant VP3 Vinyl Preamplifier to the mains power, please check the voltage label on the rear panel to ensure that your preamplifier conforms to the power supply in your area. Never attempt to connect the unit to an incorrect voltage – severe damage may result.

Note: The unit must always be earthed when connected to mains power. Use the earthed, moulded mains lead supplied. Never use an unearthed mains plug, socket or adaptor with this unit. The mains lead supplied may be fitted with a fused plug, depending on local regulations. If this is the case, always replace this fuse with another of the same type and rating.

3 Mains Fuse

The mains fuse is user serviceable, and should always be replaced with the same type and rating (see Technical Specifications section [page 16]).

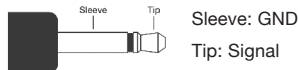
Ensure your Audiant VP3 Vinyl Preamplifier is disconnected from the mains power before attempting to change the fuse.

Note: Fuses do not usually blow without a reason. Any doubts about fuse failure should be conveyed directly to your Perreaux dealer.

4 Trigger Input

The trigger input allows the Audiant VP3 Vinyl Preamplifier to be brought in and out of standby by a remotely connected device; for example, another audio component or a home automation system. The trigger input uses a mono 3.5mm ($\frac{1}{8}$ ") plug and accepts voltages of 0V DC up to 12V DC. A trigger voltage between 3V and 12V DC will bring the amplifier out of standby and it will enter standby when the trigger voltage is 0V DC.

The trigger input plug must meet the specifications shown below:



5 RS232 Port

The RS232 port allows external serial control of the Audiant VP3 Vinyl Preamplifier for custom install use. A full command set is available on the Perreaux website. This port can also be used by authorised Perreaux service personnel for software updates.



6 Loading Switches

The loading switches provide customisation of each input to correspond with the cartridge manufacturers recommended loading figure. Four separate loading switches are required to allow for maximum isolation between the inputs and channels. Each loading switch should be set for the corresponding input with the left and right channels to be a mirror of each other. For more information on these switches please refer to the Customisation section [page 11].

Note: Always ensure that the system is powered down or in standby before making any adjustments to the load switches.

7 Phono Inputs

The Audiant VP3 Vinyl preamplifier has two separate input sections specifically designed to cater for moving magnet (MM) and moving coil (MC) cartridges. Each set of phono inputs accept standard unbalanced (RCA) analogue outputs from the corresponding cartridge type. The output of a mono cartridge should be connected to the right channel of the corresponding input of the Audiant VP3 Vinyl Preamplifier.

Note: High output MC cartridges can be connected to the MM input if the MC input results in excessively high sound output.

8 Balanced Outputs

The balanced (XLR) outputs provide a balanced audio signal for connection directly to a preamplifier or integrated amplifier.

The pin assignments of the balanced XLR output connectors are:



Pin 1: Shield

Pin 2: +ve signal (hot)

Pin 3: -ve signal (cold)

Please refer to the owner's manual of your amplifier to verify that the pin assignments of the input connectors correspond as above. If this is not the case, wire the cables so that the appropriate Audiant VP3 Vinyl Preamplifier output pin connects to the equivalent preamplifier input pin.

Note: The balanced outputs employ entirely separate buffer stages to the unbalanced outputs, allowing both outputs to be used simultaneously without degrading the performance of each other.

9 Unbalanced Outputs

The unbalanced (RCA) outputs provide a single-ended audio signal for connection directly to a preamplifier or integrated amplifier.

Note: The unbalanced outputs employ entirely separate buffer stages to the balanced outputs, allowing both outputs to be used simultaneously without degrading the performance of each other.

10 Gain/RIAA Adjustment Switches

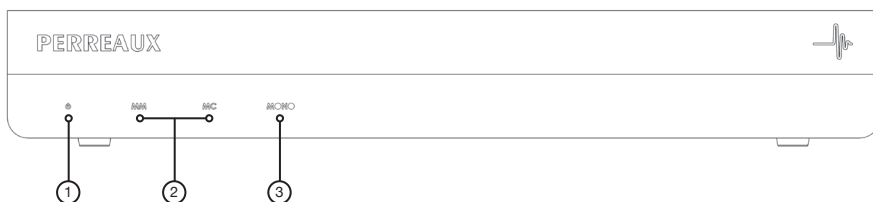
The gain/RIAA adjustment switches provide further customisation to each input to allow greater flexibility in matching the output of the Audiant VP3 Vinyl Preamplifier to your system. For more information on these switches please refer to the Customisation section [page 11].

11 Phono Earth Terminal

The phono earth terminal connects to the earth lead from the tonearm cable of your turntable, if required. If your turntable does not have a separate earth lead it may be advisable to run a wire from a grounded screw on the turntable to this terminal. Turntables are very sensitive to hum and grounding the table or cartridge to the Audiant VP3 Vinyl Preamplifier can help reduce hum.



Operation - Front Panel



1 Standby Button

The Standby Button switches the unit between Standby mode (indicated by dim standby LED) and On (indicated by bright standby LED). The unit should be left in Standby mode when not in use.

2 Source Buttons

The Source Buttons allow you to select the source component that you wish to listen to.

3 Mono Selection Button

The Mono Selection Button switches between mono (indicated by bright mono LED) and stereo (indicated by dim mono LED) output to allow playback of mono LPs. A press of the button will toggle the mono selection on and off with the current selection conveniently stored for each input. The output of the Mono cartridge should be connected to the right channel of your Audiant VP3 Vinyl Preamp. For more information on the mono selection button please refer to the Customisation section.

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Customisation

Important:

Before making any changes to the dip switch settings ensure that the unit is in 'Standby' or switch off the mains power.

The Audiant VP3 gives you complete flexibility in customising the Vinyl preamplifier to suit your cartridge, system and personal audio preferences. This customisation is achieved with seven different loading switches, three gain switches, mono selection and the ability to switch between a normal or IEC RIAA equalisation curve on each input.

Customisation is achieved using the six separate sets of dip switches on the rear of the unit and the mono selection button on the front panel. Separate switches are used to allow for maximum isolation between each channel and input. It is recommended that you make adjustments to the dip switch settings using a small flat tip screwdriver or other similar pointed object.

Loading

Loading settings should be configured to directly correspond to the cartridge manufacturers recommended loading figure. If you don't know the recommended loading of your cartridge, please contact the cartridge manufacturer or your dealer for this information before proceeding.

There are two sets of loading dip switches for each of the two inputs, one for the left channel and the other for the right channel. The left and right switches should be set to be a mirror of the other for both inputs. A switch in the UP position is ON and a switch in the DOWN position is off. The tables below document the loading for each input.



It is recommended that one resistive load and one capacitive load switch are operated at any given time when required. However it is possible to use more than one switch to produce a cumulative value, when doing this the values in the tables below must be added electrically in parallel to give the overall load value.

In the rare occurrence that your cartridge load specifications do not fall within the factory load settings there is also the ability of adding your own custom loading components. This customisation will need to be carried out by a qualified service agent, please contact your dealer for further information on this functionality.

MM Loading Dip Switch							
None	1	2	3	4	5	6	7
47kΩ	1kΩ	10kΩ	22pF	47pF	100pF	220pF	470pF

MC Loading Dip Switch							
None	1	2	3	4	5	6	7
47kΩ	10Ω	30Ω	100Ω	250Ω	500Ω	1kΩ	47pF

Gain

The gain characteristic of the Audiant VP3 Vinyl Preamp is configured to suit the output voltage of the cartridge you are using. A switch in the UP position is ON and a switch in the DOWN position is off.

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When discussing the gain of a vinyl preamp the words gain and sensitivity are often both used. The gain figure tells you how many dB of amplification is added to the signal, while the sensitivity figure tells you the level of input required to achieve the rated output of the preamp. It is more common to use the sensitivity value when deciding the correct gain setting to use, as the rated output voltage of your cartridge can be matched to this value to get the most out of your VP3 Vinyl Preamp.

The tables below document the gain settings for each input and list the corresponding sensitivity value. Consult your cartridge documentation for its rated output voltage and set the gain configuration where the "Sensitivity" of the Audiant VP3 Vinyl Preamp is within ±50% of this output voltage in the corresponding table.

Note: If more than one setting falls within ±50% of your cartridge output voltage, the lower sensitivity configuration will result in greater dynamic range, the higher will be less susceptible to clipping.

MM Gain Dip Switch				
	All 'Off'	1 'On'	1+2 'On'	1+2+3 'On'
Gain	36dB	40dB	44dB	48dB
Sensitivity	11.9mV	7.5mV	4.7mV	3.0mV

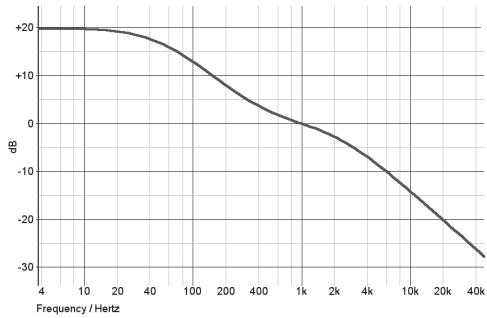
MC Gain Dip Switch				
	All 'Off'	1 'On'	1+2 'On'	1+2+3 'On'
Gain	56dB	60dB	64dB	68dB
Sensitivity	1.2mV	0.7mV	0.5mV	0.3mV



RIAA Equalisation

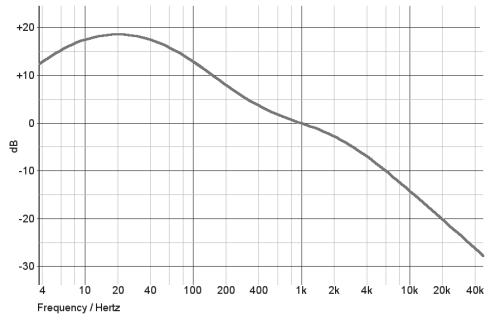
Two settings are available for RIAA Equalisation of the Audiant VP3 Vinyl Preamplifier to suit your recordings or personal preference; Normal RIAA and IEC RIAA. These two settings are selectable using switch '4' of the gain dip switch on each input. With the switch in the DOWN position the Normal equalisation is selected, in the UP position the IEC equalisation is selected.

Normal RIAA Equalisation Curve:



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IEC RIAA Equalisation Curve:



Configuration Example

The following is a working example of the popular Thorens TD295 MK IV turntable equipped with an Ortofon Super OM 40 (Moving Magnet) cartridge being set up to play using the Audiant VP3 Vinyl Preamplifier. This example can be used as a guide to help you set up your system.

Thorens TD 295 MK IV Specifications

Tonearm and lead capacitance 160pF

Ortofon Super OM 40 Moving Magnet Cartridge Specifications

Recommended load resistance 47K ohms

Recommended load capacitance 200pF – 400pF

Rated output voltage (required to adjust the gain dip switch setting) 4.0mV

Configuring your Audiant VP3 to suit the above

Output of the turntable connected to the MM input of the Audiant VP3

MM dip switch Loading

Dip switches 1 & 2 select Resistance values

If dip switches 1 & 2 are both down, by default the resistance will be 47K ohms which is the correct as per the Ortofon OM 40 specifications above.

MM dip switch Capacitance

Dip switches 3 - 7 select capacitance values

By selecting dip switch 5 upwards this provides 100pF + turntable capacitance of 160pF = total capacitance of 260pF which falls within the recommended range of 200pF - 400pF

MM dip switch Gain calculation

Dip switches 1 -3 are used to set the gain value.

The Ortofon Super OM 40 has a rated output voltage of 4.0mV.

Set the gain dip switches to be within + or - 50% of the output voltage value of the cartridge.

Therefore 4.0mV + or - 50% is 2.0mV to 6.0mV.

Using this information you select dip switches 1 and 2 to on which will provide a corresponding value of 4.7mV sensitivity which equates to 44dB of gain.

Note: Selecting dip switches 1, 2 and 3 would also be acceptable, it would be more susceptible to clipping but give you the advantage of increased dynamic range.

Correct dip switch selection for the example above

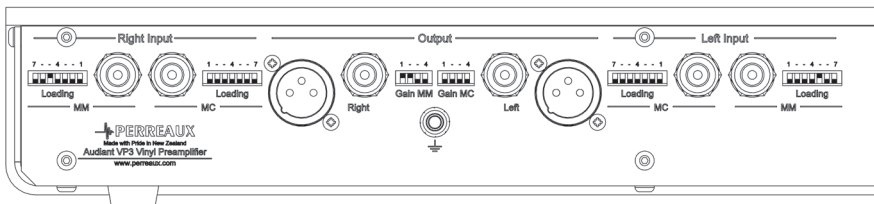
MM loading dip switch switch 5 up and all others down

Gain dip switches 1, 2 up, alternately 1, 2 and 3 up

MM Gain dip switch 4

Used to set either the Normal RIAA equalisation curve (down) or the IEC RIAA equalisation curve (up)

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Care and Maintenance

Notes: Always switch the unit off and remove the power cord from the rear of the unit before attempting to clean your Audiant VP3 Vinyl Preamp in the manner described below.

Never apply liquid directly to the unit.

Never use abrasives.

Never rub in a circular motion.

Front Panel and Cover

The front panel and cover feature a durable, high-quality anodised finish. To remove finger marks and dirt, simply rub the surface with a soft cloth.

If the dirt is not removed, use a small quantity of isopropyl alcohol on a clean cloth and rework the effected area.

Troubleshooting

There is no power

Ensure the AC power cord is connected securely.

Ensure the mains plug is fully inserted into the wall socket and is switched on.

Check the mains fuse of the unit.

Check fuse in the mains plug or adaptor.

There is no sound

Check that the input and output interconnects are properly connected to the respective sockets.

Confirm that the cartridge is correctly connected and fitted to the tone arm.

Check that the turntable is turned on and that the tone arm is lowered onto the record.

Check that your preamplifier and/or amplifier are turned on and the correct input is selected.

Check that the volume on your preamplifier is set to a suitable level and not muted.

Check that your speakers are firmly connected to your amplifier.

There is no sound on one channel

Check interconnects.

Check balance setting of your preamplifier and/or amplifier is set to the middle.

There is a crackling noise coming from the speakers

Check that the gain setting is configured correctly for your cartridge and not too high.

Try a lower gain setting to ensure output is not clipping.

Check that the needle and record are free from dust and debris.

The output from the speakers is too quiet

Check that the gain setting is configured correctly for your cartridge and not too low.

Try a higher gain setting until a suitable volume level is achieved.

Check the cartridge loading settings are set correctly.

There is a loud buzz or hum

Ensure no interconnects are loose or defective.

Ensure the earth terminal from your turntable is solidly connected to the earth binding post.

Ensure that your turntable is located close to your Vinyl Preamp and away from possible sources of EMI and/or RF interference, for example computers, televisions etc.



Technical Specifications

All specifications are accurate at the time of printing. Perreux Industries Ltd. reserves the right to adjust specifications without notice.

All specifications measured at 230V after a 10 minute warm up period using an Audio Precision ATS-2 Audio Analyser. Measurements taken at 65kHz bandwidth, unless specified otherwise. Measurements taken with lowest gain setting at rated output where appropriate.

Inputs

Audio Inputs:	2 Unbalanced (RCA) (<i>selectable</i>)
Input Sensitivity:	
‘MM’ input	3.0mV to 11.9mV (<i>selectable</i>)
‘MC’ input	0.3mV to 1.2mV (<i>selectable</i>)
Gain:	
‘MM’ input	36dB to 48dB (<i>selectable</i>)
‘MC’ input	56dB to 68dB (<i>selectable</i>)
Input Impedance:	
‘MM’ input	1kΩ to 47kΩ (<i>selectable</i>)
‘MC’ input	10Ω to 47kΩ (<i>selectable</i>)
Input Capacitance:	
‘MM’ input	22pF to 470pF (<i>selectable</i>)
‘MC’ input	47pF (<i>selectable</i>)
Input Overload Margin:	22dB
Trigger Input:	1 mono 3.5mm (1/8”) jack
OFF voltage	0VDC
ON voltage	3-12VDC

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Outputs

Audio Outputs:	1 Unbalanced (RCA) 1 Balanced (XLR)
Output Impedance:	
Balanced	30Ω
Unbalanced	100Ω
Rated Output:	0.75Vrms
Maximum Output:	10.3Vrms (14.5Vp-p)

Preamplifier

Total Harmonic Distortion (THD+N):

Typically:	0.002%, 1kHz @ rated output
20Hz to 20kHz:	<0.05% @ rated output

RIAA Accuracy:

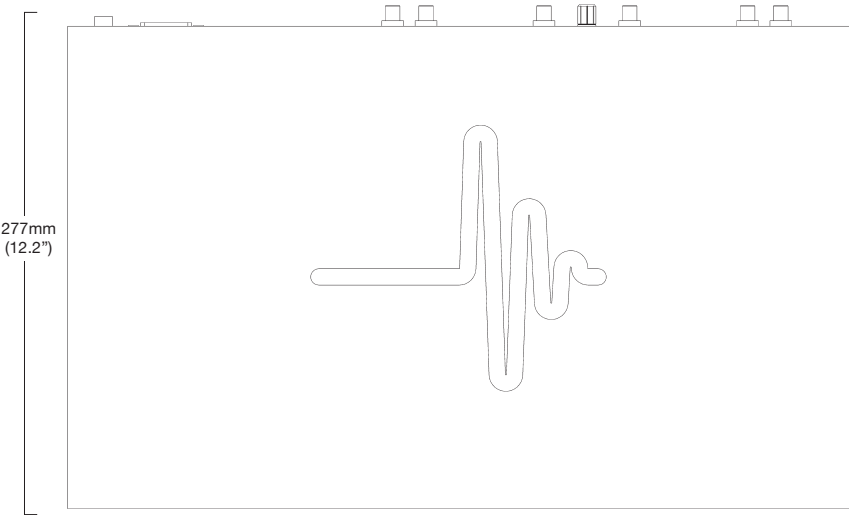
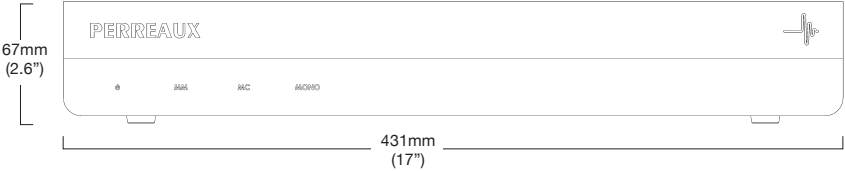
Signal to Noise Ratio (un-weighted):	±0.5dB, 50Hz to 20kHz 87dB
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General

Mains Fuse Rating:	0.5A (slow blow)
Dimensions:	
Width	431mm (17.0")
Depth	277mm (12.2")
Height	67mm (2.6")
Weight:	7.5kg (16.5lb)



Physical Dimensions



Installation Notes

Please record the serial number of your Audiant VP3 Vinyl Preamplifier for future reference.

Serial Number:

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Contact Details

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