

# HIATO

*Integrated Amplifier  
Instruction Manual*



**PLINIUS**

*The heart of music*  
[www.pliniusaudio.com](http://www.pliniusaudio.com)



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All operational, technical and descriptive material in this publication is subject to change at any time without notice. For further product information or queries, please contact your Plinius dealer.

Plinius products are designed and manufactured by Plinius Audio Limited, New Zealand.

# Introduction

Congratulations on your decision to become the proud owner of this Plinius Hiato Integrated Amplifier.

This manual has been prepared to help you understand the operation of your amplifier, and to provide information about its design and the variety of ways it may be used.

We have designed and manufactured this amplifier to reproduce your favourite music faithfully and accurately. With a little care and a full understanding of the operating recommendations in this manual, your Plinius Hiato Integrated Amplifier will provide years of high-quality, trouble-free performance.

Please take the time to read this manual thoroughly before using your amplifier.

SERIAL NUMBER \_\_\_\_\_

FINAL TEST CERTIFIED BY \_\_\_\_\_

# Design Philosophy

From a distance you can see that the design of the Plinius products is more than an applied styling exercise to the front panel. We have started from the ground up to produce a casing for our electronics that is unrivalled in its physical strength and visual simplicity.

Wherever possible we have reduced the number of parts needed and then invested massively in refining and producing the remaining parts to the highest quality achievable with state of the art computer controlled machines allied with expert craftsman. Examples of this approach include the hydraulically formed corners on the amplifiers giving much greater strength and the one piece housing for the remote control that looks, feels and genuinely is robust.

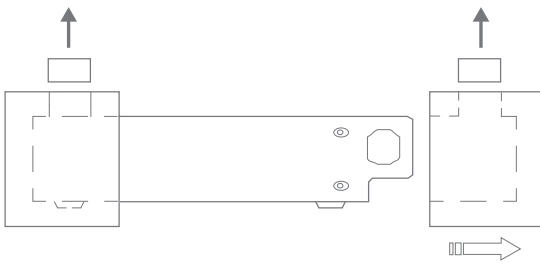
As with music that you are not familiar with, truly innovative new designs can take time to understand and enjoy. How often have you heard music that you were first unsure of, that over repeated listening, has become a firm favourite?

Our designs are fundamentally different to many other companies, and we hope that you will take the time to explore their unique character and qualities because we have not made them different simply to be different. We genuinely believe that their visual and tactile qualities do improve the experience of listening to music and that is our design goal!



Ross Stevens  
DESIGN DIRECTOR

# Unpacking



Open the box from the top and remove the accessories from the foam end caps. You may now proceed to lift the unit from the box. Once the unit is removed you can proceed with the removal of the foam end caps. These caps are designed to fit on the front and back of the unit for maximum protection. Retain the packaging for future transportation of this unit.

# Placement & Ventilation

This Plinius product may operate at a moderately high temperature, especially during extended listening sessions. With this in mind, we recommend the following guidelines for placement and ventilation:

- The ideal location is upon a rigid stand, away from direct contact with any temperature sensitive materials, furniture or deep pile carpets.
- Ventilation through and around the amplifier should be kept unimpeded.
- Ensure heat vents (slots in the base and lid) are not covered or restricted in any way.
- Equipment racks should be of an open type with no closed side panels and no closed front or rear panels. Ensure a minimum of 100mm clearance on all sides of your Plinius unit to other equipment and the shelf above.
- If the unit is in an enclosed cabinet, the clearance should be greater than 400mm on all sides. Ensure the space between the chassis and shelf below the unit is unobstructed at all times.
- DO NOT stack other audio components on top of this unit.
- NOTE: This unit has been designed for use in moderate climates only, not for tropical conditions.

The design of this Plinius product incorporates a very high level of mechanical decoupling of the input and output. It can however still be influenced by acoustical feedback in the operating environment. The use of acoustic cones or a suitably spiked amplifier stand or table may further enhance the performance of this amplifier. Consult your Plinius dealer for further advice if required.

# Care & Maintenance

With simple care and maintenance your Plinius product can be kept looking and operating like new for many years to come.

## **MAINTAINING THE CONNECTORS**

Exposed connectors such as the RCA connectors will be subject to environmental factors, and over time the surface may degrade. This can be greatly reduced by fitting readily available 'RCA caps' to reduce the effects of environmental elements on the RCA connectors. These RCA caps or RCA shorting caps can also provide sonic benefits. Connector cleaning products are also available to clean the RCA and cable connectors and frequent checks and cleaning will help maintain a good signal connection.

NOTE: DO NOT use RCA shorting caps on output connectors or power amplifier input connectors. Use RCA shorting caps on unused preamplifier stage input connectors only. Standard RCA shielding caps can be used on any unused input or output connectors.

## **MAINTAINING THE SWITCHES**

Switches should be maintained by using each various switch setting periodically. Even if a switch or a switch setting is not used, it is a good idea to toggle small switches and turn rotary switches through the full range of the switch several times in succession to keep the contacts active. Performing this simple action will promote longevity of the switch contacts.

## **SURFACE CLEANING**

From time to time you may wish to clean the surface of your Plinius equipment to remove dust, or any material build up from the atmosphere or on commonly used controls. Your Plinius product is made up of parts that have a hard anodised or a powder coat finish and will clean easily without being damaged.

Cleaning should be carried out using a soft cleaning cloth, dry or with either a small amount of water or a very mild surface cleaner, while observing the following guidelines:

- As a safety precaution, always switch the equipment off prior to cleaning
- Always use a cloth that is soft and clean
- Never use abrasives or polishing compounds anywhere on the unit
- Never apply liquid directly to the surface of the unit
- Use the cloth dry or with mild surface cleaners of either liquid or foaming type
- Apply only small amounts of cleaner to the cloth
- DO NOT rub the surface but wipe clean only. Excessive rubbing may dull powder coat or wear the screen printed text.

# Precautions



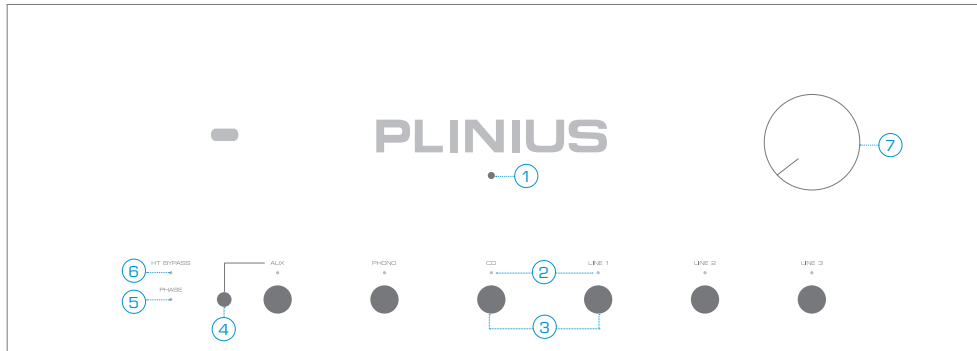
PLEASE TAKE SPECIAL NOTE OF THE FOLLOWING PRECAUTIONS BEFORE OPERATING YOUR NEW AMPLIFIER.

- The Plinius Hiato Integrated Amplifier can deliver in excess of 300 watts into 8 ohms. This amplifier is also capable of a very large peak current delivery.
- The Plinius Hiato Integrated Amplifier operates in Class AB. It is capable of generating heat that could have an adverse effect on other electronic equipment, furniture, etc.
- DO NOT leave flammable material on the amplifier whilst running, as this could pose a serious fire risk.
- This amplifier operates at hazardous voltage levels. There are some alterations that may be made by you, the owner. However, we recommend that any work requiring removal of the lid be referred to a suitably qualified and experienced service technician.
- DO NOT attempt to connect any input of this amplifier to its own outputs.
- DO NOT earth any output terminal or connect any of these terminals together without following the instructions in this manual or seeking qualified assistance.
- DO NOT place this amplifier in any position where liquids, or any foreign material may accidentally enter it.
- DO NOT connect any voltage source, short circuit, earth/ground or appliance (other than suitable high fidelity loudspeakers) to the amplifier output terminals.
- DO NOT expose the unit to dripping or splashing.
- DO NOT place objects filled with liquids on the unit, e.g. vases.
- DO NOT place sources of naked flame on the unit, e.g. candles.



# Front Panel Functions

The front of the Plinius Hiato Integrated Amplifier incorporates all the facilities you will require on a daily basis.



## 1. DISPLAY LED

An LED on the front panel indicates that the power is on. When first switched on the unit will go into standby and the display LED will vary in brightness. When the unit is taken out of standby and is ready for use, the LED will remain lit. Whenever mute or a remote volume button is pressed, the LED will dim.

## 2. SOURCE DISPLAY LEDs

These small white LEDs communicate the current source selection.

## 3. SOURCE SELECTION BUTTONS

The buttons on the front panel allow selection of any of the different inputs available on the rear or front panel. This selection is fed to the pre out, line out and speakers outputs of the amplifier. NOTE: Phono button and LED are only present on units that have the phono option installed.

## 4. AUX INPUT

The AUX (Auxiliary) input is a 3.5mm stereo jack that allows instant connection to portable media devices or laptop computer outputs via a standard 3.5mm jack cable. NOTE: Line out from the device is preferred. If line out is not available, adjust device volume to approximately 75% to avoid overdriving the Hiato input.

## 5. PHASE DISPLAY LED

This small white LED is ON when the phase of the input signal to the amplifier is inverted 180 degrees. This option is selected using the remote control.

## **6. HT BYPASS LED**

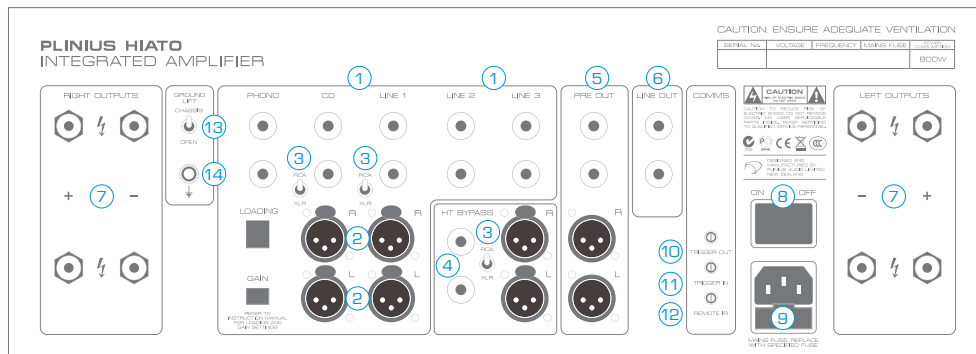
This small white LED is ON when the current source selection is the HT Bypass Input. This input can be selected using the remote control or activated by the trigger input.

## **7. VOLUME CONTROL KNOB**

The volume control is a motorised unit that will accurately convey the selected source signal to the line stage of the Plinius Hiato. When using the remote control to alter the volume level, briefly press the button to make small adjustments, or hold the button down to continuously adjust the volume.

# Rear Panel Functions

This panel incorporates all terminals for connecting the input signals from your CD player, tuner, etc and the outputs to the loudspeakers and mains supply. Please remember that your Plinius Hiato Integrated Amplifier is a high quality electronic instrument capable of an exceptional level of performance. Be sure that you understand your system's requirements fully before you make any connection to this amplifier.



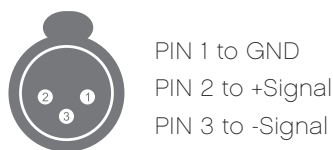
## 1. INPUT TERMINALS

The input terminals for your Plinius Hiato Integrated Amplifier are easily accessible along the rear panel, with the right (red) inputs along the top. The phono inputs (if installed) are suitable only for low level input phono turntables, while the rest are all line level inputs, for use with signals from line level source components such as CD players, tuners, VCR's etc. Consult your Plinius dealer for further advice if required.

## 2. XLR INPUT TERMINALS

The CD, Line 1 and HT Bypass inputs also have an additional set of line level XLR balanced inputs for use with source components that feature XLR balanced outputs. Balanced signals are carried via a three way cable.

The XLR pin configuration used in all Plinius product is:



NOTE: Because of the way Plinius balanced inputs are configured it is not possible to connect to both XLR and RCA at the same time for use.

## 3. INPUT SELECTION SWITCH

This switch, located with each of the CD, Line 1 and HT Bypass inputs, is used to select the pair of CD input sockets required as described above. Up selects the RCA input connections for use, while down selects XLR input.

#### **4. HT BYPASS INPUT**

This input is for use specifically with home theatre processors. In some circumstances you may wish to use the power amplifier of the Hiato as the front two channels of a surround or home theatre environment. The HT Bypass input can be used for this purpose, as any signal connected to these inputs can be sent directly to the power amplifier bypassing the preamplifier entirely. It is accessed by the remote or the trigger input.

#### **5. PRE OUT**

The Pre Out connection is provided to enable the Plinius Hiato to be connected to an external power amplifier.

#### **6. LINE OUT**

These RCA outputs are situated next to Pre Out and are provided to interface to line level recording devices for archiving, or transferring to portable media. The outputs are always live with the signal of whichever source is selected at the time of recording.

#### **7. OUTPUT TERMINALS**

Connections for the loudspeakers are provided on the left and right hand side of the rear panel. Two parallel pairs of five way binding posts for each channel are fitted – these provide ease of use with bi-wiring and multiple cables requiring a large contact area.

#### **8. MAINS SWITCH**

The heavy-duty rocker switch in the centre of the panel turns the Mains/Line Power to the amplifier ON or OFF. The amplifier draws a moderately high current when switched on, so it is not good practice to rapidly turn the Mains switch on and off repeatedly.

#### **9. MAINS POWER CORD IEC SOCKET**

This connector is where the mains supply cable from your wall connects to the amplifier. You will notice that a fuse holder is mounted within this connection, and it holds a mains fuse to provide surge and overload protection for your amplifier.

#### **10. REMOTE TRIGGER OUTPUT SOCKET**

The Hiato also features a remote trigger output socket fitted to the rear panel. By connecting this trigger output to other system components, the entire system can be put in and out of standby by the processor.

#### **11. REMOTE TRIGGER INPUT SOCKET**

In order to integrate more effectively into a home theatre system, the Hiato has a remote trigger input socket fitted to the rear panel. By connecting a processor with a remote trigger signal to this socket, the Hiato can be switched between HT Bypass and standby modes. When in standby the amplifier draws less current and will

operate at minimum temperature. This may be of advantage in a multi-amplifier and/or remote installations.

#### **12. REMOTE IR SOCKET**

This socket is for connecting to an external remote control sender. Some companies such as Xantech manufacture these devices to enable multi-room remote control. Please see your Plinius dealer for further advice.

#### **13. GROUND LIFT SWITCH**

This switch allows the signal ground to be isolated from the chassis. In some installations a hum loop may exist due to duplicate ground paths from different equipment. Use this switch to remove the connection from 0V to Ground thus allowing some flexibility in your particular set-up.

#### **14. EARTH POST**

This is a chassis connected gold-plated earth post for use with most vinyl turntables.

# Remote Control Functions

The Plinius Hiato Integrated Amplifier features a full function remote to control all settings and configurations of the amplifier as well as complete controls for operating your Plinius CD player.

## INTEGRATED AMPLIFIER REMOTE FUNCTIONS:

### 1. STANDBY

Standby is used to put the unit into a low power mode. This disconnects the outputs of the amplifier and turns off the white display LED's. It also switches the power amplifier to a low bias mode to reduce power consumption and still keep the circuitry active. This allows a minimum warm up period before the Hiato is at it's sonic best.

### 2. DISPLAY

The display button on the remote enables you to adjust the display brightness of the white LED's. Pressing the display button repeatedly will dim the LED in steps until they are off. The next press of the button will cycle the display back to full brightness.

### 3. HT BYPASS

The HT Bypass button activates the Hiato Home theatre bypass mode. When activated the Hiato is bypassed and the signal is direct from the HT Bypass input to the outputs. Because the Hiato is bypassed in Processor mode the only buttons that continue to function are standby and display. For more information refer to the Installation and Operation section in this manual.

### 4. PHASE

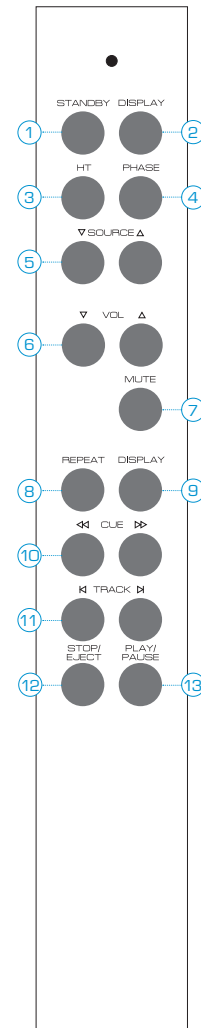
The phase of the output signal from the preamplifier is toggled from absolute to inverted 180 degrees with each press of this button.

### 5. SOURCE SELECTION

The source selection buttons enable changing from one input to another when needed and can be scrolled left or right to select the desired source. On reaching the left most or right most input, the selection will scroll in a continuous loop with the next button press.

### 6. VOLUME CONTROL

Use these two buttons to control the volume level of the Integrated Amplifier. The right side button increases volume, while the left side button decreases the volume. Briefly press either button to make fine adjustments to the volume level. Hold down either button to continually adjust the volume level.



## **7. MUTE**

Pressing this button toggles the Hiato Integrated Amplifier in and out of mute.

## **CD PLAYER REMOTE FUNCTIONS:**

### **8. REPEAT**

The repeat LED on the front panel will illuminate once this button is pressed. The CD Player will play all tracks on the CD as normal, but then repeat all tracks from track 1 in an endless loop. It does not repeat one track only, but will repeat the entire contents on the CD.

### **9. DISPLAY**

This function enables you to quickly adjust the display brightness. Use this button to toggle between high, low, and off settings. Note that whenever the compact disc drawer is ejected to change a CD, the display will automatically revert to full brightness.

### **10. CUE BUTTONS**

Use these two buttons to cue through the track you are listening to. Press and hold the right side button to cue forward through the track, or press and hold the left side button to cue backwards through the track. Once the start or end of the track is reached, Cue will continue into the next track.

### **11. TRACK BUTTONS**

The track buttons enable you to move forward (right button) or back (left button) through the tracks on the CD. Press the button once to skip to the next track on the CD, or hold down to skip through multiple tracks. When you press the back button once the CD Player will revert to the start of the current track. Pressing the back button again will skip back to the previous track. The track currently selected will be brightly lit.

### **12. STOP/EJECT**

If the CD player is playing a CD, pressing the Stop/Eject button will stop play and return to track 1. Pressing the button again will open the compact disc drawer so the CD can be changed.

### **13. PLAY/PAUSE**

Press the Play/Pause button to begin playing the CD at the track selected. The display LED corresponding to the track that is being played will vary in brightness. Press the Play button again, and the track will pause, designated by the LED flashing. If the compact disc drawer is open, pressing play will shut the drawer and start playing the CD from track 1.

# Installation & Operation



**WARNING: RISK OF ELECTRIC SHOCK. TERMINALS MARKED WITH ⚡ SHOULD BE CONSIDERED HAZARDOUS LIVE AT ALL TIMES.**

This amplifier operates at hazardous voltage levels. We recommend that any work requiring removal of the lid be referred to a suitably qualified and experienced service technician. DO NOT place this amplifier in any position where liquids or any foreign material may accidentally enter it.



**PLEASE READ & UNDERSTAND THE PRECAUTIONS WITHIN THIS MANUAL FOR PLACEMENT & OPERATION OF THIS PRODUCT.**

## **MAINS VOLTAGE CONNECTION**

Firstly, check that the mains supply voltage printed on the rear of this amplifier is similar to the mains supply voltage in your area. If in doubt, please consult your Plinius dealer.

Mains supply power connection is via the supplied plug-in lead. A standard IEC socket connects the mains power at the amplifier end, while a local mains plug is required at the wall end.

The wiring code used inside all Plinius product is:

Green to Earth/Ground  
Blue to Neutral  
Brown to Phase/Live

Should a 'local' plug need fitting to the wall end of the lead, ensure that a suitably qualified service technician wires the plug correctly.



**IMPORTANT: DO NOT POWER UP YOUR AMPLIFIER UNTIL YOU HAVE CONNECTED YOUR INPUT/OUTPUTS CORRECTLY FOR YOUR SYSTEM.**

## **CONNECTIONS**

Connections to your Plinius Hiato should be made in the same order as they are listed in this section. DO NOT attempt to connect your Plinius Hiato until you have read and fully understood these instructions.

Although these instructions refer to the connection of the Hiato to line level source components, the Hiato can also be safely installed into multimedia systems by following the same installation guidelines. Should you require further assistance, please contact your Plinius dealer.

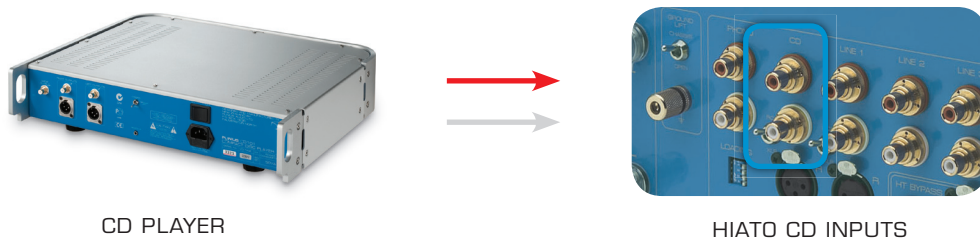


## SOURCE COMPONENT INPUTS

Connect your Source to the input of the Plinius Hiato using suitable single-ended RCA or Balanced XLR interconnect cables only. For RCA, make sure you connect the red coded cable to the red RIGHT RCA input, and the white (or black) cable to the white LEFT RCA input. Also make sure the RCA connectors are a snug fit and are inserted all the way in.

For CD XLR input connection, make sure you connect the RIGHT XLR input and LEFT XLR inputs to the right and left outputs from your source respectively. Also make sure the XLR connectors click into place. Use the input selection switch to select RCA if you are using RCA inputs or to select XLR if you are using XLR inputs.

NOTE: DO NOT connect XLR and RCA at the same time, use only one or the other. If a Phono input is fitted, this should be connected to a suitable source turntable only.



## LOUDSPEAKER OUTPUTS

The connection of your loudspeakers to the output posts of the Plinius Hiato must be made by an 'instructed person' or by suitable ready made loudspeaker cables only.

Connect your left loudspeaker (ie. the one on your left when seated in your normal listening position) to the left output terminals, ensuring that the red positive (+) terminal on the amplifier is connected to the red positive (+) terminal on your loudspeaker. Do the same with the black or negative (-) terminals. Repeat this process for the right outputs.



## TERMINATION QUALITY

Quality of the connections must be examined to ensure that high-performance, trouble-free operation is enjoyed. Check that the connections are tight but do not

over tighten. If bare wires are used make sure that no loose strands of wire short across the other terminals or the amplifier chassis. When using plugs such as bananas, be sure to use good quality plugs with a firm fit.

### **BI-WIRING**

Bi-wiring uses two pairs of loudspeaker cables for each channel loudspeaker. You will notice that the rear panel of your Plinius Hiato has two pairs of output terminals for this purpose. When using bi-wires, always connect positive (+) to positive (+) and the same for the negative (-) terminals.

### **PHASING (OR POLARITY)**

It is important to achieve good stereo imaging in your listening room. By observing the wiring instructions above, each power amplifier/loudspeaker combination should be in phase. If you experience poor stereo image and/or a lack of bass, check that the loudspeaker wiring has been connected correctly. We recommend that you use one of the easily obtainable 'test discs' to help you ensure both phasing and channel orientation are correct. If in doubt, consult your Plinius dealer for advice.

Naturally it is also important to make sure all the leads carrying signals for the RIGHT channel loudspeaker are connected to the RIGHT input to the amplifier from your preamplifier or CD player etc. Signals for the LEFT channel should be wired in a similar fashion.

### **USING HT BYPASS INPUT**

The Hiato Integrated Amplifier features a home theatre input to bypass the preamplifier stage when used in home theatre or multimedia installations. When HT Bypass is selected on the Hiato, the signal will pass from the HT Bypass input directly to the Hiato power amplifiers.

This enables the unit to remain in circuit for use with two channel sources (such as CD players and tuners), as well as a link to the speakers should you wish to use your normal stereo set-up in a surround or home theatre environment.

To access the HT Bypass input, press the HT button on the remote control. To exit the HT Bypass mode and return to using a source component, press HT again, or use the source buttons to scroll to any desired source component.

NOTE: Only connect a suitable pre out signal to the HT Bypass input. When HT Bypass is selected, no volume or phase settings can be accessed. A signal connected to the HT Bypass input will also go to BOTH the RCA and XLR pre out connectors.

### **USING PRE OUT**

A preamplifier output is provided on the back of the Plinius Hiato. If you wish to use the Plinius Hiato as a pre-amp only, or to send signal to another amplifier, fit the

interconnect cable to the pre out outputs. The signal from this output is not amplified by the power stage of the Plinius Hiato. The output level remains adjustable by using the Hiato volume control. The pre out connections provide signal from whichever the source is currently selected.

### **CONNECTING THE MAINS SUPPLY**

Firstly, check that the mains supply voltage printed on the rear of this amplifier is similar to the mains supply voltage in your area. If in doubt, please consult your Plinius dealer. Mains supply power connection is via the plug-in lead supplied with your Plinius Hiato.

Check the wall outlet is switched OFF, then connect the local mains plug end of the lead to the wall outlet. Check the Hiato is switched OFF, and connect the IEC end of the cable to the IEC socket at the back of the Hiato. With the cord fully connected, switch the wall outlet ON.

Now that your Plinius Hiato is configured correctly, switch the power switch on the rear panel to ON. The display LED will vary in brightness as the internal circuitry stabilises and the unit goes into standby. You can now enjoy your new Plinius Hiato Integrated Amplifier.

NOTE: This unit must be connected to a mains socket outlet with a protective earthing connection. The wall outlet socket or mains switch must be accessible at all times in case of emergency.

### **WARM-UP PERIOD**

You will find that the Plinius Hiato will become noticeably 'purer' in sound after being on for a period of time. We usually recommend waiting at least 24 hours before expecting the best quality of sound reproduction from your amplifier.

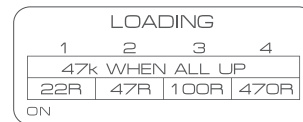
# Product Features

## OPTIONAL PHONO INPUT

The Plinius Hiato is available as a full line level integrated amplifier, or with a phono level input installed. The phono input has a total of four gain settings and five cartridge load settings.

## PHONO CARTRIDGE LOADING ADJUSTMENT

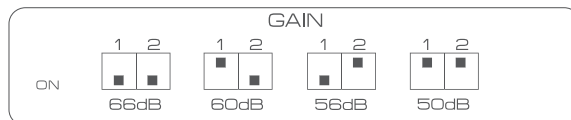
The phono cartridge load can be adjusted to suit your particular phono cartridge, using the 4-way mini-switches labelled 'LOADING'.



The switch body shows an arrow indicating the direction for the switch to be 'ON'. The switches allow the load impedance to be set to suit your particular phono cartridge. Once the correct loading value has been determined, use the corresponding mini-switch to set the load value to one of 470R, 100R, 47R, or 22R. With none of the switches ON, the loading will be set to 47K. Please consult your cartridge manufacturer for specific recommendations.

## PHONO GAIN ADJUSTMENT

The Hiato Phono input can also be set to one of four gain settings to suit your phono turntable specifications using the 2-way mini-switches labelled 'GAIN'. These 2-way mini-switches allow the gain to be adjusted as low as 50dB, to suit high output Moving Magnet (MM) cartridges, or as high as 66dB for low output Moving Coil (MC) cartridges.



The possible gain configurations are as follows:

- The switch body shows an arrow indicating the direction for the switch to be 'ON'.
- Switch '1' is the 6dB adjustment.
- With Switch '1' ON there is an additional 6dB. Used within the 50dB range this will increase the gain from 50dB to 56dB. Used within the 60dB range it will increase the gain from 60dB to 66dB.
- Switch '2' is the 10dB adjustment. With switch '2' ON the gain will be increased from the 50dB range to the 60dB range.

## REMOTE CONTROL

Provided with your Plinius Hiato is a three function remote control. The two buttons at the top of the remote adjust the volume level, and the button below switches the

amplifier in and out of mute. Two AAA batteries power the remote, and these are replaced by removing the two screws on the base of the remote that hold the battery compartment in place. The bottom end of the remote is now free to slide out for access to the batteries. Replace the two batteries, taking care to refit the new ones with correct polarity.

### **TEMPERATURE MONITORING**

The Plinius Hiato Amplifier has temperature-monitoring circuitry. When the amplifier reaches an internal temperature of 65 degrees C, the amplifier will be shut down until the temperature returns to normal. When the temperature has exceeded the set point, the power LED will flash four times in quick succession, pause then repeat. If over-temperature shutdown is occurring frequently, check whether ventilation around the amplifier is adequate.

### **ERROR DETECTION**

The Plinius Hiato Power Amplifier has in-built error detection. This will function when an amplifier channel is overdriven/clipped; Should this arise the amplifier will disconnect the output of both channels until the input signal level returns to normal. Whenever error detection is triggered, the power LED will flash on and off.

### **FUSE PROTECTION**

When any rail fuse is damaged one or more fuse warning LED's will light. These LEDs are under the amplifier lid located near the centre of the front power circuit board with the rail fuse holders. To replace the fuse, disconnect the amplifier from the mains power and remove the lid. Replace fuses with the same type only.



**IMPORTANT: DO NOT FIT A FUSE WITH A HIGHER RATING.**

NOTE: Fuse failure may indicate a severe problem. Check all speakers and speaker cables for damage etc. Should the amplifier continue to exhibit rail fuse failure, contact your Plinius dealer.

### **MAINS/LINE FUSE**

A Mains/Line fuse is fitted within the IEC socket on the rear of the amplifier. A small drawer at the bottom of this socket may be removed (after the IEC plug is removed) by levering it out with a flat blade screwdriver. The fuse fitted should be rated as specified on the rear panel.



**IMPORTANT: DO NOT FIT A FUSE WITH A HIGHER RATING.**

In the unusual event that this fuse should blow, you must first establish the cause of this failure (such as power surges, damaged mains cable, etc) before replacing the fuse with one of the same rating and type. Should the amplifier continue to suffer mains fuse failure, contact your Plinius dealer.

# Loudspeaker Selection

Your Plinius Hiato Integrated Amplifier is designed for use with high fidelity loudspeakers. It should not be used to operate with any other type of appliance or equipment.

Be certain that your loudspeakers can handle most of the rated output power of this amplifier. You may find loudspeaker specifications confusing or misleading, so you should discuss this with your audio dealer prior to purchase. As a general rule, the use of high power (200 Watt RMS or greater) loudspeakers is recommended and desirable. However, our experience indicates that medium to low power loudspeakers (100 to 200 Watt RMS) are quite often suitable for use on this amplifier, provided the volume is maintained at a level where no distortion is audible.

Impedance of the loudspeaker load is important to ensure the rated performance of this amplifier. If you have doubts about the impedance of your loudspeaker configuration, we recommend you speak to your Plinius dealer.

# Troubleshooting

## **NO SOUND FROM THE UNIT**

If the unit is not reproducing audio take the following steps:

- Check the source is correctly connected to an appropriate input on the unit. Refer to the Installation & Operation section on page 14.
- Check the source is playing, and not paused or muted. If it has adjustable volume, check this is at the usual output level.
- Check the unit is set to select the correct source input. Adjust the 'Source' selector for the correct source component.
- Check the volume. Turn the unit volume up to a point just below the normal listening level. DO NOT turn the volume up to maximum in case the sound begins to come through the speakers.
- Check the unit is not in Mute. If the Display LED is dim, this indicates the unit is in Mute mode. The Display LED should be full brightness for operational mode.
- Check the processor switch setting. This must be set to 'Bypass' (towards the Speaker outputs) when using source components connected to the unit. Set Processor Bypass to 'ON' for listening to sources via the processor or home theatre equipment.

## **SOUND IS QUIET OR DISTORTED**

If the sound is quiet or distorted a rail fuse may have failed. While the unit is ON check the fuses in the rear panel. A Red LED being on will indicate a fuse failure. If the fuse has failed, see Fuse Protection in the Product Features section of this manual.

NOTE: If the unit immediately or repeatedly suffers rail fuse failure, there may be a major problem and you should contact your Plinius dealer.

## **POWER FAILURE**

The unit may have suffered mains fuse failure or be in thermal overload protection mode.

- Mains Fuse Failure: Check the mains fuse and replace if needed.
- Thermal Overload Protection: Assess the temperature of the unit. If the unit seems excessively hot, the Over Temperature Protection may have activated.

Refer to the Product Features section on page 18 for further information.

NOTE: If the unit immediately or repeatedly suffers mains fuse failure or thermal overload protection, there may be a major problem and you should contact your Plinius dealer.

# Specifications

## **POWER**

300 watts RMS per channel into 8 ohms.  
Both channels driven from 20Hz to 20kHz at  
less than 0.2% total harmonic distortion

## **FREQUENCY RESPONSE**

20Hz to 20kHz +/-0.2dB  
-3dB at 70kHz

## **DISTORTION**

Typically <0.05% THD at rated power  
0.1% THD and IM worst case prior to clipping

## **CURRENT OUTPUT**

50A short duration peak per channel  
Fuse protected

## **SLEW RATE**

50V/ $\mu$ s

## **HUM & NOISE**

90dB below rated output 20Hz to 20kHz  
unweighted

## **PHONO INPUT**

RCA Unbalanced Input

### **ADJUSTABLE GAIN**

50dB, 56dB, 60dB, 66dB

### **ADJUSTABLE LOAD**

47k, 470R, 100R, 47R, 22R

### **FREQUENCY RESPONSE**

20Hz to 20kHz +/-0.2dB within RIAA spec

### **SIGNAL TO NOISE RATIO**

-80dB wrt 5mV input, A weighted

### **DISTORTION**

<0.01% THD at all levels below clipping

## **POWER/CURRENT CONSUMPTION**

1100VA

0.6A (138W) Class AB Idle

0.3A (69W) Standby

## **DIMENSIONS**

Height: 170mm (7.5")

Width: 450mm (17.75")

Depth: 455mm (17.75")

Weight: 25kg (56lbs)

Phono optional



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