



INTEGRA

High Performance Integrated Amplifier



USER MANUAL

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Welcome to your AVID Integra Amplifier

Please read this manual carefully to understand the features and functions of your AVID Integra integrated amplifier, built with the highest quality materials and industry standards for trouble-free enjoyment for years to come.

Caution

- This unit is heavy, and it is recommended that at least two people are used when moving the unit.
- Before connecting or disconnecting any equipment to your Integra, switch it off to protect your speakers from possible damage caused by momentary high-level signals due to the amplifier's high power capabilities.
- There are no user-serviceable parts inside—please do not, under any circumstances, remove the cover of the Integra—doing so would expose you to potentially lethal voltages and void your warranty.
- Only clean your Integra with a dry micro-fibre cloth.
- Avoid exposing the unit to liquids. If water or any liquid enters the case, turn off the unit at the socket and seek advice from your dealer before using it again.
- If your Integra is to be left unused for a long period, please ensure it is switched off.

Key Features:

- **750VA Toroidal transformer—88,000uF Capacitance Reservoir**

The power supply and amplifier work together to provide and manage the energy needed for music. They create a large energy reserve and prevent the amplifier from demanding more energy than the supply can handle.

- **ALPS High Quality Volume Potentiometer**

AVID's renowned obsession for detail, "blind" listening tests were conducted to choose the best potentiometer for the Integra amplifier, recognizing its significant impact on the device's overall performance.

- **Fully discrete, high current, output stage**

Integrated chip output devices limit amplifier performance, while discrete design enables use of superior devices and avoids compromises in key parameters like peak current, output impedance, and thermal performance.

- **4 Line level Inputs, 1 line out**

Integra can connect up to 4 line-level devices and has a single line-out for recording with tape or digital devices.

- **High performance Phono stage**

Integra's phono stage is derived from our hugely successful based on Pellar, delivering unparalleled performance and flexibility at its price point. It prioritizes distortion, noise, and RIAA compliance, resulting in superb sound.

- **Superior headphone amplifier**

Integra's headphone amplifier is not an afterthought but a high-quality component. It uses discrete components for superior performance and compatibility with various headphones. It operates in pure Class 'A' at low to medium volume levels and has its own power feed.

- **Bespoke Remote Control**

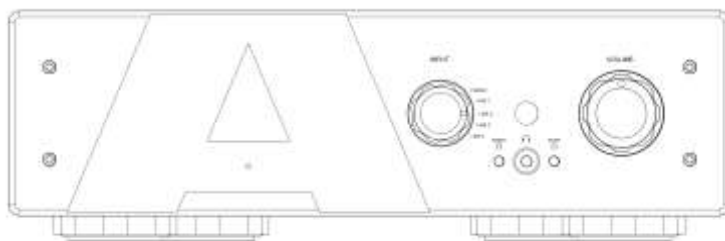
Integra comes with a custom-designed remote control that is tailored specifically for the amplifier. Its intuitive layout allows for easy operation of volume adjustment and mute. The remote is fashioned from solid aluminium and has a stylish design that complements the amplifier's aesthetics.

Placement

- Place your Integra on a sturdy and level surface.
- Avoid locations where your Integra may be affected by direct sunlight or damp.
- Keep your Integra away from heat sources.
- Ensure proper ventilation before placing the Integra in an enclosed space, such as a closed cabinet.
- Avoid placing any objects on the amplifier that could impede air-flow.

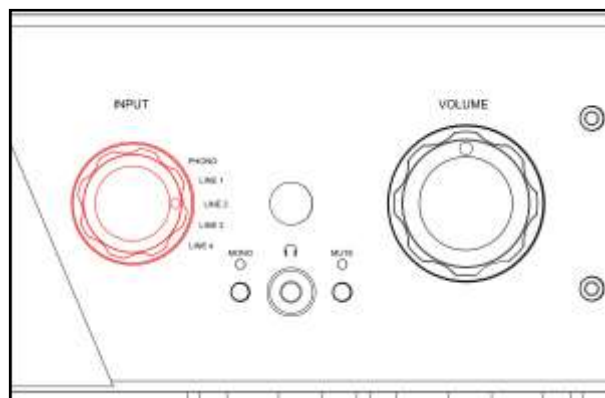
Front Panel

The front panel features a Volume Control knob, an Input Selector, Mono and Mute push buttons, and a Headphone socket.



Input Control

Rotate input control selector to which input you desire. We recommend you either reduce or mute the volume as a precaution.



Headphone Socket

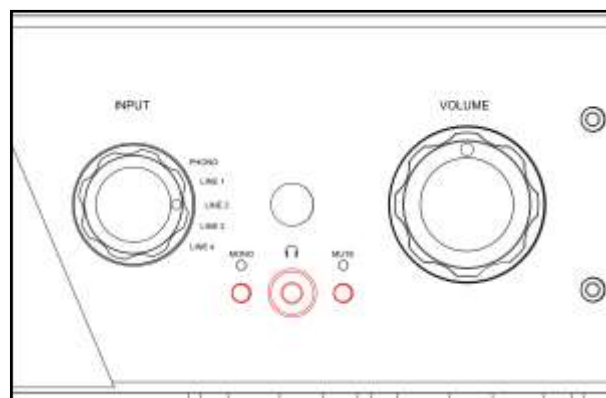
Integra has a high-quality headphone amplifier that can drive most headphones. Avoid excessive levels for prolonged periods to prevent permanent hearing damage.

Mono Operation

Integra can switch stereo to mono with the Blue LED indicator.

Mute

Press the Mute button to temporarily silence Integra's output, indicated by a blue LED. Press again to resume. Check volume level before unmuting.



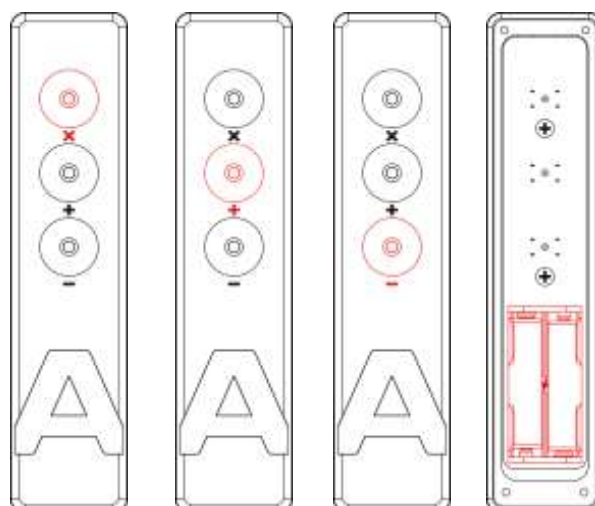
Remote Control

Mute operation is indicated with a 'X' and is the top button. When in operation the blue LED on the front panel will shine. Push again to resume or use the front panel switch.

Volume UP (+) is the middle button. Retaining pressure on the button will keep increasing the volume to the desired level.

Volume DOWN (-) with the lower button to reduce the volume all the way to zero output if required.

Battery Replacement is simply done by removing the back panel. Remove the four screws and remove panel and replace the two AAA batteries with suitable replacements.



Phono Input

Check your cartridge documentation for recommended settings, then adjust the phono stage using the switches to the right of the Phono input sockets with a pen tip.

In the absence of full cartridge documentation, please follow these initial setup guidelines.

Sensitivity

There are three sensitivity levels available increasing from MM, MC LOW and MC HIGH.

Play a piece of music with which you are familiar. Adjust the volume control to a comfortable listening level, if the volume control is much beyond the half way point, you should probably consider increasing the sensitivity level, if the volume is immediately very loud, then choose a lower sensitivity.

With high output MC cartridges, set to MM

Resistance

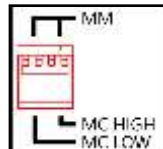
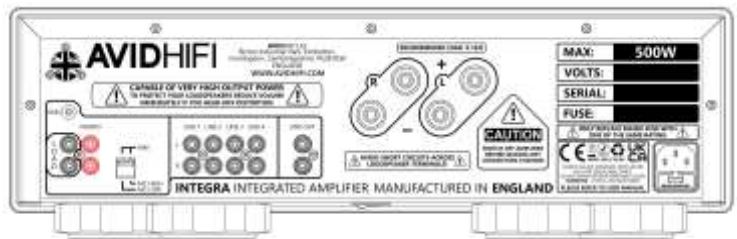
If using a Moving Coil cartridge, use RCA loading plugs to set input resistance. Plug them into the load RCA sockets shown. Integra includes 500Ω plugs for Moving Coil cartridges. Other values available through your dealer. Moving Magnet cartridges required no plugs and 47K is pre-set.

Ground Earth Post

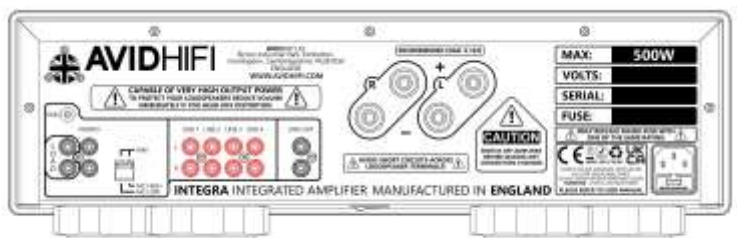
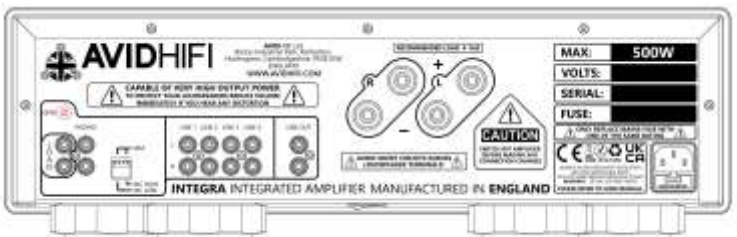
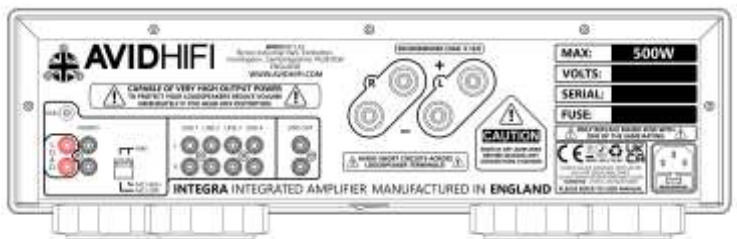
The phono stage provides an earthing post that should be connected to the tonearm earth cable. Failure to do so will normally result in high levels of hum and reduced sound quality.

Line Input

The Integra has 4 line inputs for audio equipment such as CD players or media streamers. Connect your device to an input and select it on the front panel to play.

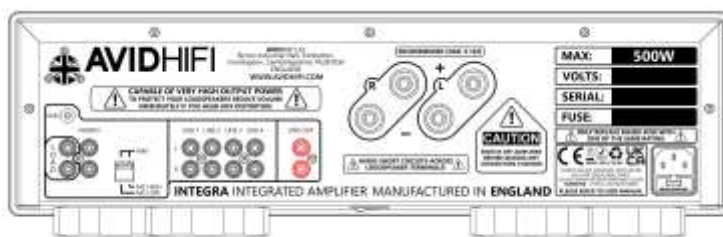


Setting	Left Switch	Right Switch
Moving Magnet	UP	UP
Moving Coil Low Sensitivity	DOWN	UP
Moving Coil High Sensitivity	UP (or down)	DOWN



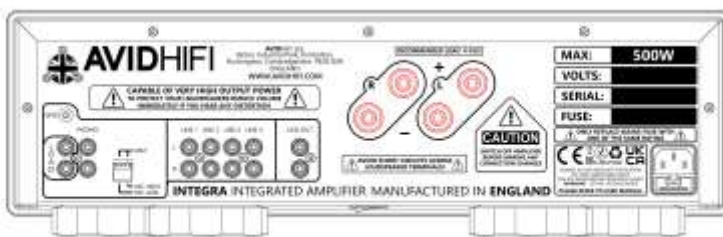
Line Out

The Integra has a fixed level line output for connecting to recording devices. Do not connect it directly to a power amplifier as it is not affected by volume settings.



Loudspeaker Connections

The Integra has binding posts compatible with banana plugs and spade connectors for power output. It has a protection circuit but avoid potential damage situations. Ensure tight connections to avoid sound loss and damage to terminals.



Speaker Cable

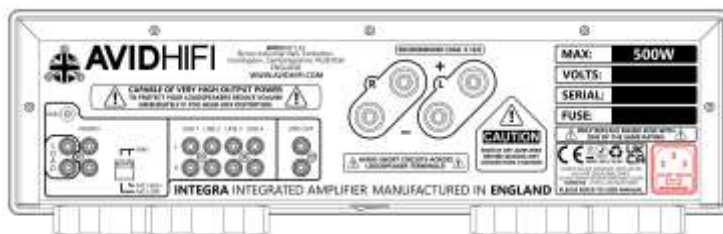
Experiment with different speaker cables as personal taste and system matching affect performance. Keep cable resistance low for best results with short runs and a large cross-sectional area, especially as this is a high current design.

Correct Phase

Connect speakers "in phase" by matching positive and negative connections. Mistakes adversely affect sound quality. Correctly connected speakers have strong bass and clear image. Use Mono button to check for a strong centred signal.

Mains Power

Power comes in through the IEC 3-pin connector with built-in filters, so no need for external filters. Connect mains power last.



Mains Switch

Turn volume to minimum. Mains switch is hidden on bottom, behind the front panel. Clicks from relays as protection circuit activates. Blue LED on left indicates power on.



Amplifier Protection

In the event of a fault occurring, the unit protects itself in the case of faults (DC offset, short-circuit, overheating). MUTE light illuminates. Unit resets after cooling, but turn off and investigate fault. Check loudspeaker cabling and cooling. Contact dealer if protection circuit keeps activating.

TROUBLESHOOTING

For operation problems, please use the following sequence:

Fault	Solution
No Power light	1: Ensure the power lead is plugged in, and that the power socket is switched on 2: Ensure the Power switch under the unit is in the ON position 3: Check for damage to the mains lead—Try an alternative cable 4: Check the mains input fuse (unplug from the mains before checking)
No Sound	1: Check that the volume control is not turned all the way down 2: Check the correct source is selected, and plugged in 3: Check the Mute button is out (and its associated light is off) 4: Check that any headphones have been unplugged from the Integra 5: Check that the speakers cables are correctly connected at both ends
Distorted sound	1: If the volume is excessively high, turn the volume down 2: If you are listening to the Phono input, reduce the sensitivity (see PHONO INPUT)
Hum from Phono input	1: Ensure that the turntables earth cable has been attached to the earth post on the rear of the amplifier 2: Check the same connection on your turntable—refer to units documentation
Sound cuts out	1: Check amplifier and speaker terminals for loose, or shorted connections 2: Ensure that the unit has adequate cool air and ventilation
Mute light on when Mute button off	This indicates a fault: 1: Check for short-circuits at either end of the loudspeaker cable 2: Check that the unit is not overheating 3: Consult your dealer if problem persists.

DECLARATION OF CONFORMITY

EC Declaration of Conformity 06 December 2017

We declare that our Integra integrated amplifier conforms to directives and harmonized international standards:

EMC (89/36/EEC) Electromagnetic conformity

BS EN 60065: 1994

Safety requirements for mains operated electronic and related apparatus for household and similar use.

CENELEC HD21/22 Flexible cables and cords

EN 55020: 1988 Electromagnetic Immunity

EN 55013: 1990 Electromagnetic Emissions

C. Mas Director AVID HIFI Limited

SPECIFICATIONS

Power

Continuous power output (20Hz—20kHz at 0.5% THD):	90 W (Both channels, 8Ω)
Harmonic distortion, 80% power, 8Ω at 1kHz:	0.003%
Recommended loudspeaker impedance:	4-16 Ω

Inputs

Phono

Gain:	48dB – 60dB – 70dB
Input resistance:	47K (adjustable with optional loading plugs)
Input capacitor:	100pF
Distortion:	Less than 0.001%
RIAA Accuracy:	+ 0.5dB 5Hz – 70KHz (Neumann HF correction)
Noise (A weighted):	MM –81dB MC –67dB (high setting)
Channel separation:	< -85dB 5Hz – 20KHz

Line (RCA and XLR)

Nominal sensitivity:	340mV
Input impedance:	82 kΩ
Maximum input:	11 Vrms XLR
Frequency response:	5Hz—over 80kHz ± 1dB
Signal/noise ratio:	
RCA (Awt'd) 50 W, ref. 1V input:	100 dB

Outputs

Line output

Nominal output level:	11 V
Output impedance:	47 Ω

Headphone Output

Maximum output level into 600Ω:	10 V RMS
Output impedance:	1 Ω
Load range:	20 Ω—600 Ω

Power Consumption

Input voltage (region dependent)	115V or 230V AC
Power Consumption (Max)	50 Watts No Signal Idle 700 Watts Clipping 4Ω Load

Dimensions and Weights

Unit (including output terminals -W x D x H) :	470 x 495 x 155 mm
Packed:	630 x 630 x 260 mm
Unit weight:	22.9 kg
Packed weight:	25.5 kg

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

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). Also the following conditions being observed:

- The product must have been purchased through an authorized **AVID** dealer.
- By default, the warranty is in favour of the original purchaser only, however warranties are transferable providing the new owner completes the online product registration form. In this case, warranty obligation will pass from dealer to manufacturer.
- During the warranty period, **AVID** will repair, or replace any defects due to 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, damaged by accident, neglect or in being transported, or the defect is due to the product being repaired or tampered with by anyone other than **AVID** or a 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



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