

VIDA

Vinyl Disk Amplifier AC220-240 version

Serial Number _____.

Owner's manual



Aurorasound Incorporated

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Warnings

1. To reduce the risk of fire or electric shock, do not expose this apparatus to rain, moisture, water or other liquids. Do not place any plant, vase, glass, pitcher or other object that contains, or could contain, any liquid on top of this apparatus.
2. Risk of electric shock! No user serviceable or replaceable parts inside. Apparatus to be opened only by Aurorasound Inc. personnel authorized dealers or qualified service technicians. Do not operate with covers removed.
3. Do not place naked flame sources (such as candles) on top of this apparatus.
4. Do not place this apparatus on a rug or other soft surface or impede air circulation with items such as towels, cloths, curtains or newspapers.
5. Unplug this apparatus during lightning storms or when unused for long periods of time.
6. This apparatus is equipped with an IEC connector for power cord on the back and into a wall or other mains electrical outlet. Make certain that you maintain access to the back of the apparatus and/or the mains wall or other outlet into which the apparatus is plugged. To disconnect AC power from the apparatus, the mains plug is to be used as the mains disconnect device. This mains plug must remain readily operable.

1. Introduction

Phono stage Amplifier with the state of the art semiconductor technology LCR-type network.

Discoveries of analog record playback attributable to the integration of conventional and new technologies.

Key FEATURES

- Compatible with MC and MM type cartridges. High/Low Impedance Selector switch is provided.
- Adopted LCR type RIAA device. Unlike conventional NF & CR type for RIAA curve, VIDA uses L (coil) to generate precise RIAA curve, resulting in much fulfilling midranges.
- With use of the latest semiconductor devices and discrete amplifier circuit, it achieved a complete DC circuit design. As a result, capacitors in the signal path were completely eliminated.
- Resolution in the low frequencies and reduced distortions, it enables you to enjoy even vivid music hall atmospheres coupled with the players' positioning on the stage.
- A large-size MUTE switch together with other functions are aligned in the front panel for improved man-machine interface for user-friendly operation.
- High SNR was achieved with use of an external power supply unit having extremely stable and super low-noise and high –speed circuits.

LCR Type RIAA Device

Unlike conventional NF and CR type, an ideal circuit design with constant impedance LCR-type RIAA circuit is used. As a result, across the entire frequency range, RIAA curve correction is achieved with constant condition. In the past, vacuum tubes were used with a large chassis, but VIDA managed in a compact size thanks to the latest semiconductor technologies. Each component is placed according to the signal flow in symmetrical and the shortest route. The equalizer circuit uses the renowned Swedish Lundahl filter-coil, which is widely used in the professional equipment, for turnover and roll-off independently._

Precision DC Circuit with the Latest Semiconductor Technology

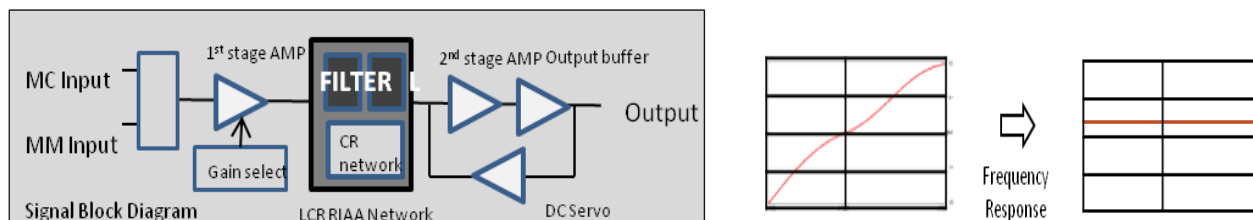
The precision DC circuit eliminated all capacitors in the signal path. It enabled a completely flat frequency response without any coloration across the entire audible range. The active DC servo circuit permits absolutely stable outputs regardless of fluctuations in the inputs and operating temperature. Especially, resolution and distortion in low frequency are improved significantly, therefore, you will be able to even sense and feel the atmosphere of the music hall, performers and the staging. The power supply uses toroid transformer, Schottky barrier diode which allows ultra-low noise. Any leakage flux noises are completely eliminated with use of a separate power supply by employing high-speed semiconductor-based stable power supply circuit. * When subsonic filter is turned ON, less than 20Hz is cut off with -6dB with a capacitor.

Featuring Useful Functions for Analog Playback

MC/MM Selector, MC Impedance Selector, Direct/Subsonic Filter, Stereo/Mono Selector, and demagnetizing function are featured. All the functions plus a large-size mute SW are placed on the front panel for user-friendly configuration. Each selector uses a sealed small-size signal relay for high reliability and stability. Also, highly

durable rhodium plated RCA terminals are employed to ensure very low level signal paths are warranted without any loss.

Small signals recorded on the vinyl disc must be precisely restored to a flat response using (L) coil and CR network circuit, which go through the RIAA curve having attenuated lows and boosted highs. At the same time, it must be amplified by roughly 1,600 times. (In case of MC cartridges) Since amplification is very large, any noises from the power supply and the circuits must be reduced to the limit. VIDA managed to achieve very high S/N due to a careful selection of the components, circuit design and PC board pattern configurations.



2. Special care about for VADA

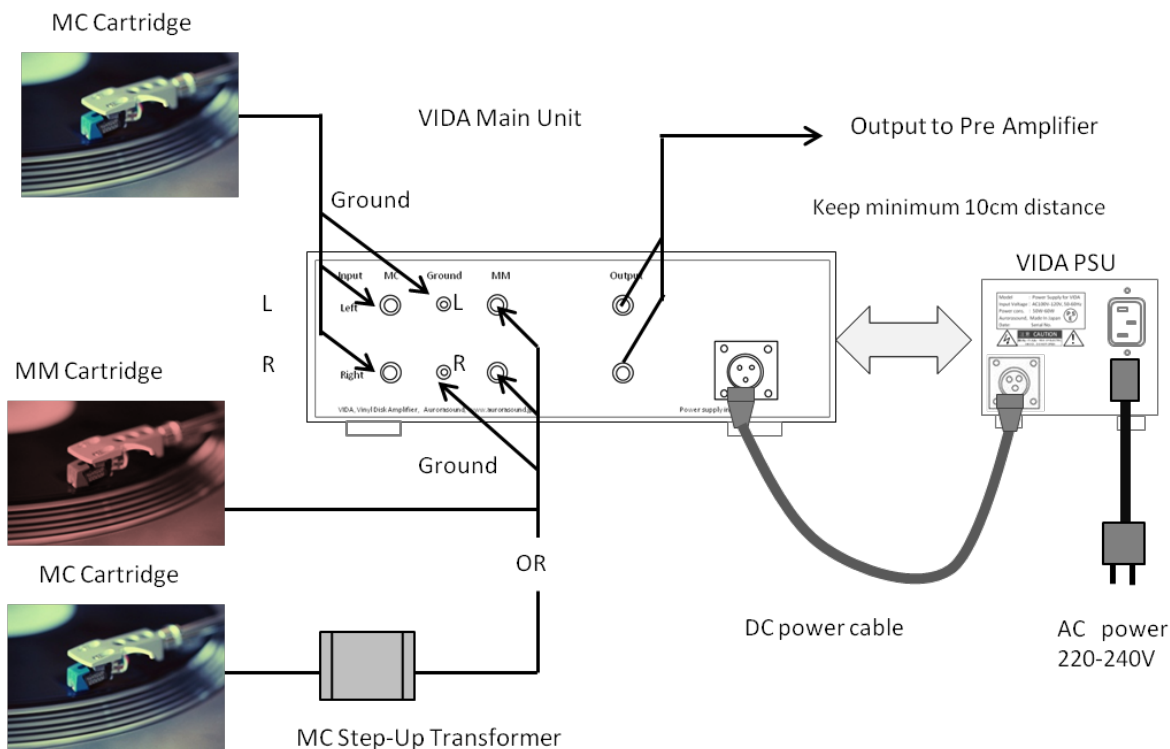
1. Please secure minimum 10cm distance from VIDA main unit and Power Supply Unit in order to have good performance of Signal to Noise Ratio.
2. VIDA has automatic muting system in case of very large shock noise from cartridge. This system is also functioned at hot plug insertion/disconnects to avoid large noise generation from speakers.
3. In case of this automatic muting function is operated, please turn off the power switch of Power Supply Unit and power on again for reset the muting function.
4. Recommend to insert the shorting plug into unused input RCA terminal in order to maintain good SNR performance.

3. Packaging

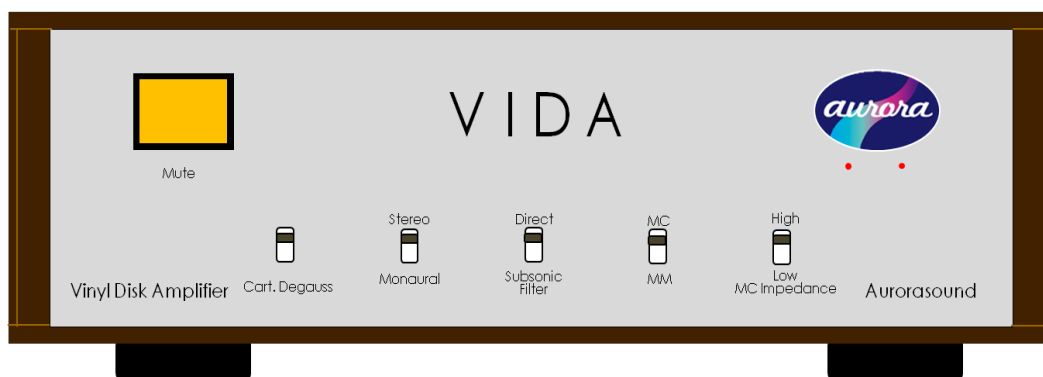
1. VIDA Main Unit with wood cabinet
2. Power Supply Unit AC220-240V 50-60Hz
3. DC power cable between Main Unit and Power Supply Unit
4. Input shorting plug x2
5. Owner's manual

Note: AC Power cable is not bundled with this package. Please contact your local dealer.

4. Installation and Connections



5. Front Panel



1. MUTE push switch

This is Muting the output signal to push ON for cartridge up/down on Vinyl Disk.
For playback mode, push OFF the MUTE switch.

2. MC Impedance select toggle switch

This is to select impedance value of a MC cartridge.

Low position is for cartridge impedance from 0.6ohm to 10ohm .“High” position is for10ohm to 100ohm.

3. MC/MM select toggle switch

This switch is to select the input signal of MC cartridge or MM cartridge.

MM cartridge position is also support a step-up –transformer signal of MC cartridge.

4. Direct/Subsonic Filter toggle switch

Direct position is fully direct coupling signal path. This is no capacitor insertion in all signal path for flat frequency response from 10Hz to 30kHz. Subsonic Filter position is to cut -6dB under 20Hz of low frequency in the case of low flatter noise.

5. Stereo/Mono toggle switch

Stereo position is normal stereo playback by stereo cartridge. Mono position is to mix L and R signal in case of monaural recording disk playback by stereo cartridge. Mono position is also canceling unnecessary vertical vibration signal from stereo cartridge.

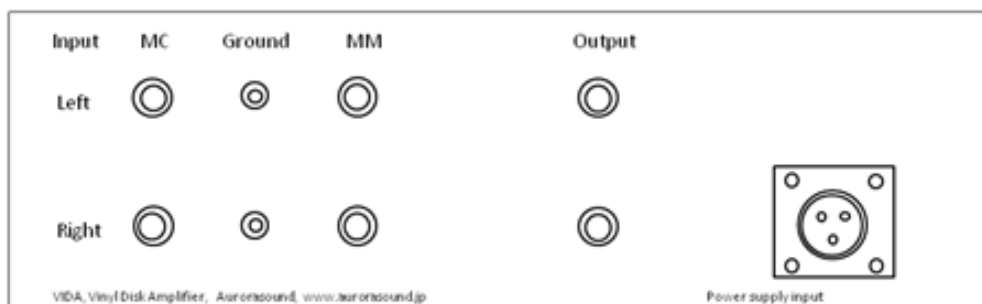
6. Cart. Degauss toggle switch

Keep push under this switch and playback a vinyl disk around 30second, then clean and condition the cartridge by own signal. Once in 6 months would be enough for MC cartridges. Not well function for MM. This function is also effective for MC step-up-transformer.

7. Blue LEDs

Two Blue LEDs is monitoring of power supply status. If one of them is no t light or darker than other, please turn off the power and contact an authorized dealers or Aurorasound.

6. Rear Panel



1. MM Input, RCA connectors. Connect a MC cartridge. Input Impedance in 47k ohm fixed.

2. MC Input, RCA connectors. Connect MC cartridge.

3. GND, Screw terminals. Ground cable connection for MM and MC cartridges. Both common.

4. Output, RCA connectors. Connect to pre-Amplifier line signal input.

5. DC Input, 3pins connector. Connect Power Supply Unit by DC cable.

7. Specifications

Input	MC, Gain 64dB, Cartridge Impedance 0.6-10ohm/Low, 10-100ohm/High MM, Gain 39dB 47kΩ		
Output	Line Level, Unbalanced RCA		
RIAA Deviation	10Hz–20kHz	+/-0.25dB	
THD+N	0.025% at MC		
Input Noise	-138dBV MC		
Size and Weight	W260mm x D250mm x H100mm	3kg	
Power Supply Unit	W114mm x D200mm x H70mm	1.4kg	
Power Supply	AC 220V-240V 50-60Hz, Max 60W		

8. Limited Warranty

Thank you for your purchase. The sale of the product from Aurorasound Inc. to you is subject to the following limited warranty.

1. Limited Warranty. Aurorasound Inc. warrants that the Product, when delivered in original condition, in original packaging, from Aurorasound Inc. or a Aurorasound Inc. authorized dealer and used in normal conditions, shall be free from manufacturing defects in material and workmanship for one (1) years from the date of original purchase. Except as expressly set forth herein, Aurorasound Inc. and its suppliers make no, and hereby disclaim all, warranties and representations of any kind, either express, implied, statutory or otherwise, oral or written, with respect to the product, including, without limitation, any implied warranties or conditions of merchantability, fitness for particular purpose, noninfringement and warranties arising from course of performance, course of dealing or usage of trade. To the extent not permitted to be disclaimed, any implied warranties relating to the product shall be limited to the duration of the limited warranty as provided above.

2. Conditions. This Warranty is subject to all of the following conditions and limitations:

(a) Only a Product originally purchased through Aurorasound Inc. or an authorized Aurorasound Inc. dealer is eligible for coverage under this Warranty. This Warranty is void if the label bearing the serial number of the Product has been removed or defaced. This Warranty does not cover defects resulting from improper or unreasonable use or maintenance; commercial use; failure to follow operating instructions or the owner's manual; accident; excess moisture; insects; lightning; power surges; connections to improper voltage supply;

unauthorized modification of original condition; damages caused by inadequate packing or shipping procedures, Product purchased from unauthorized dealers; or repair or tampering by anyone other than Aurorasound Inc. or an authorized Aurorasound Inc. dealers.

(b) Unless Aurorasound Inc. otherwise agrees in writing, if a claim is not made within the time period specified in this Warranty, then such claim shall be barred and deemed waived. In the event of a timely and valid claim under this Warranty, you must pack and return the non-conforming Product to Aurorasound Inc. or an authorized Aurorasound Inc. dealers at your expense. The returned Product must be accompanied by a written description of the defect, return shipping information and the Product's serial number. Aurorasound Inc. shall pay for return shipment and insurance, and you shall pay for any import fees, duties and taxes. Aurorasound Inc. reserves the right to modify the design, prices or specifications of the Product without obligation or notice to you.

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