

VIDA

Aurorasound



Vinyl Disk Amplifier



- 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.



Vinyl Disk: Conventional vinyl records such as LP & EP

SIZE: W260mm x D250mm x H100

FEATURE

- 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.

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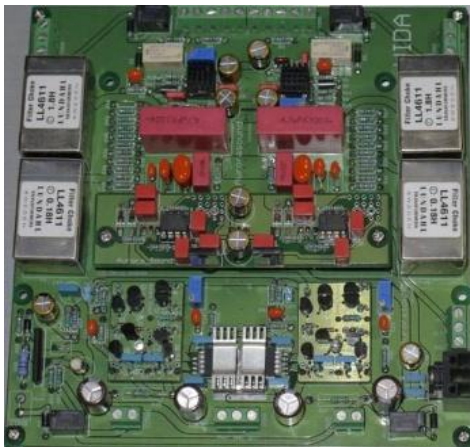


Precision DC Circuit with the Latest Semiconductor Technology

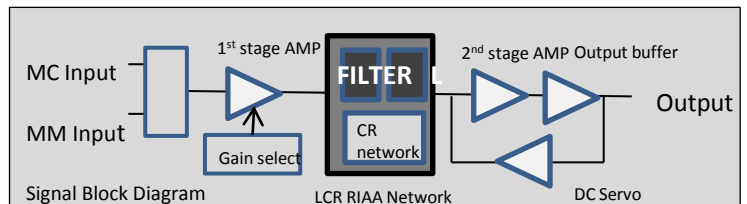
The precision DC circuit eliminated all capacitors in the signal path. It enabled a completely flat frequency response without any coloration across the entire audible range. The active DC servo circuit permits absolutely stable outputs regardless of fluctuations in the inputs and operating temperature. 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.

LCR Type RIAA Device

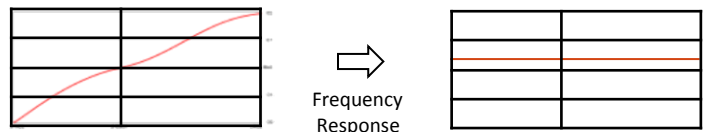
Unlike conventional NF and CR type, an ideal circuit design with constant impedance LCR-type RIAA circuit is used. As a result, across the entire frequency range, RIAA curve correction is achieved with constant condition. In the past, vacuum tubes were used with a large chassis, but VIDA managed in a 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 two units, which is special customize version for Aurorasound, two units per channel for turnover and roll-off independently.



PCB Layout Symmetrical and shortest path design.



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.



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.

Specification

Input	MC Gain 64dB Compatibility: High 10-100Ω, Low 0.6-10Ω
Output	MM Gain 39dB 47kΩ Line Level, Unbalanced RCA
RIAA Deviation	10Hz - 20kHz +/-0.25dB
THD+N	0.025% MC A-Weighted
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 100V-120V or AC220-240V 50-60Hz, Max 60W

