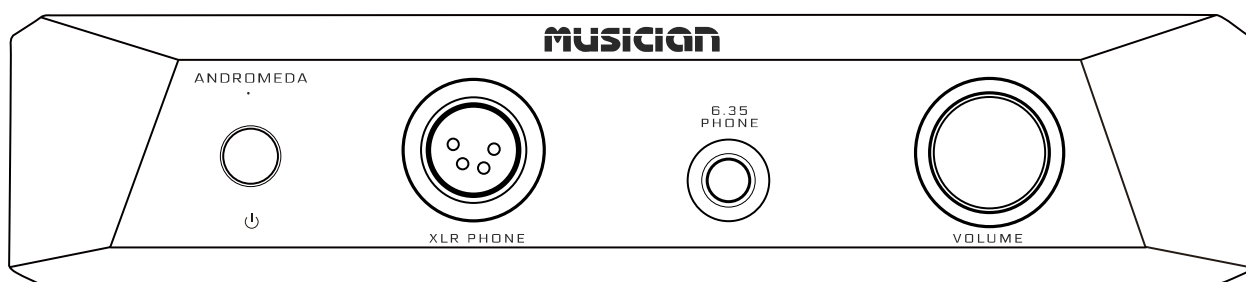




Andromeda

Fully Balanced Class A Headphone Amplifier



User's Manual | Email: info@musician-audio.com
Official website: <http://www.musician-audio.com>

Introduction

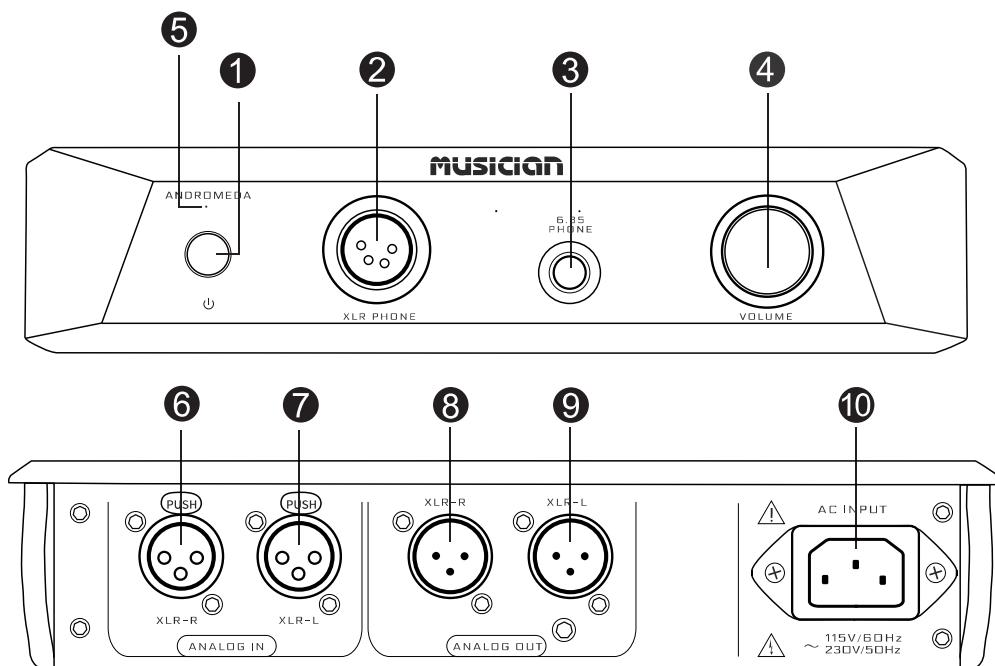
Thank you for choosing MUSICIAN products!

Guangzhou LEZHJIA Technology Co.,Ltd.(MUSICIAN Audio) was formally established in 2020. The R & D team is formed by a group of enthusiasts with more than 20 years of audio research and development experience. It is committed to the following product: R2R discrete balanced decoders, balanced headphone amplifiers, balanced amplifiers, balanced pre-amplifiers, headphones, passive speakers, and other audio products.

*Tips

- Do not cover newspapers, tablecloths, curtains, etc. on the machine, as this may prevent heat dissipation. If the temperature inside the machine is too high, it may cause a fire, damage the machine, or cause personal injury. When using switches, knobs or cables, do not use excessive force.
- Only use the voltage specified by this machine. Using a voltage higher than the specified value is dangerous and may cause fire, damage to the unit, or personal injury.
- Do not attempt to modify or repair this unit by yourself. If you need any service, please contact the MUSICIAN after-sales team through the official website.
- If you plan not to use the machine for a long time, disconnect the power cord from the AC wall outlet. To strengthen the protection of this product, unplug the power cord from the wall outlet during lightning, or when no one is managing it, and when not using it for a long time. This will prevent the product from being damaged during lightning and power grid surges.

Front and back panel introduction



- | | | |
|------------------------------------|-----------------------------------|--|
| 1 Standby / Power button | 5 Standby / ON indicator | 9 Left XLR balance output |
| 2 4-PIN XLR balanced output | 6 Right XLR balance input | 10 Power input |
| 3 6.35 mm headphone jack | 7 Left XLR balance input | (AC115V / AC230V
automatic switching) |
| 4 Volume knob | 8 Right XLR balance output | |

Product information

Basic parameters

Power input: three core power tailstock (AC115V / AC230V automatic switching)

Function button: standby / start button

Function indicator: standby / start indicator, red for standby, blue for working

Volume knob: alpis potentiometer

Audio Part

Input mode: 3-core XLR balance seat

Output mode: 3-core XLR balance seat, 4-core XLR balance seat, 6.35 headphone jack.

Chassis size: 248 * 55 * 265mm (w * h * d)

Net weight: 3.8kg

Technical Highlights Fully Balanced Class A Headphone Amplifier

Andromeda headphone amplifier is a matching entry-level headphone amplifier launched by MUSICIAN for Pegasus DAC. It also uses the same good technology of Pegasus DAC—automatic switching of power supply voltage to quickly restore the ultra-low noise linear power supply.

Andromeda and Pegasus have the same chassis width and depth, no matter in size or sound quality, they can match very well.

The circuit design of the whole machine adheres to the shortest audio path, and the sound quality is the main concept.

The power supply has been continuously optimized and improved. The O-type single crystal copper transformer used can provide higher dynamic range and sound performance. The built-in aluminum heat sink can achieve heat dissipation and make the operation more stable.

It can easily drive any headphones with an impedance of 15Ω–600Ω, and can continuously output 350mW of undistorted power to a 600Ω load, meeting the needs of difficult-to-drive headphones.

Product information

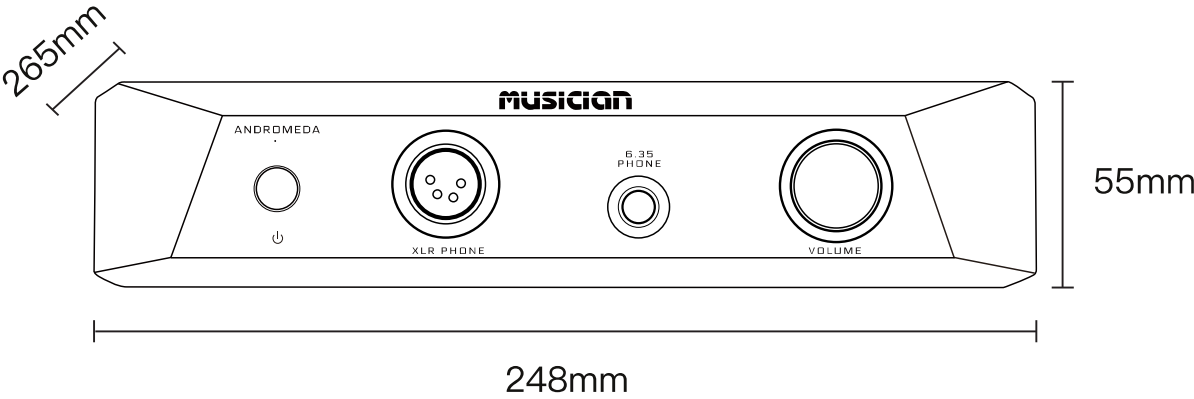
Fully Balanced Class A Headphone Amplifier

Power input	AC115V / AC230V
Frequency response	10Hz–80Hz(–0.007dB)
Input method	3–Pin XLR balance
Output method	3–Pin XLR balance , 4–Pin XLR balance, 6.35mm headphone
Output Power	3.8W (32 Ω load) (1KHZ, 1% distortion) 350mW (600 Ω load) (1KHZ, 1% distortion)
SNR	131dB(Balanced),119dB(Unbalanced)
Residual noise	3uV(A weighting)
THD+N	0.00079%(10H–80KHz), 32 Ω /1%Distorted output
Degree of separation	99dB
Standby power consumption	< 0.28W
Whole machine power consumption	7.1W/230V, 7.05W/115V

Test items	Index parameter	Condition
Noise test	2.9uV(Balanced, A weighting)131dB	32Ω
	10HZ–90KHz(Balanced) 122dB–8.3uV(No weighting)	32Ω
	20Hz–20KHz(Balanced) 128dB–4uV(No weighting)	32Ω
	6.2uV(Unbalanced, A weighting)119dB	32Ω
	10HZ–90KHz(Unbalanced) 111dB–14uV(No weighting)	32Ω
	20Hz–20KHz(Unbalanced) 112dB–13.2uV(No weighting)	32Ω
Output Power	4.5W / 1%–8.4V(Balanced)	16Ω
	1.1W / 1%–4.4V(Unbalanced)	16Ω
	3.8W / 1%–11.07V(Balanced)	32Ω
	950MW / 1%–5.54V(Unbalanced)	32Ω
	710MW / 1%–14.6V(Balanced)	300Ω
	178MW / 1%–7.3V(Unbalanced)	300Ω
	370MW / 1%–14.9V(Balanced)	600Ω
	95MW / 1%–7.5V(Unbalanced)	600Ω

Test items	Index parameter		Condition
Positive 12.7V ripple test	40MV		
Negative 12.7V ripple test	40MV		
Positive 12V ripple test	5MV		
Negative 12V ripple test	5MV		
Positive 12V no-load output	12.02V	Positive 12V load output	12V
Negative 12V no-load output	12V	Negative 12V load output	11.98V

Net weight: 3.8Kg



Warranty

We take pride in the quality of our products with strict quality control checks. To give you more confidence, all of our products are provided with a three-years warranty. Within the first 30 days from the date of purchase, most items can be returned for refund or exchange if meet the following conditions. Wish you enjoy a wonderful shopping experience!

RETURNABLE ITEMS

Items that can be returned/refunded or exchanged within 30 days of receipt must comply with the following standards

- 1.Any returned items must be accompanied by all accessories, hardware, manuals or instructions, and in the same "new" state as when shipped to you.
- 2.Any returned items will be evaluated after receipt. Of course, we will not refund any defective products caused by improper handling, improper use, tampering or improper use.
- 3.If there is no complete original packaging (original packing box, foam filling, etc.) at the time of return, 25% replenishment fee will be charged.

Tips: The items should be transported back safely. Before we received, You will take full responsibility. If you choose to replace, we will ship your replacement items free of charge.

RETURN FEE AND ADDRESS

We aim to provide services that benefit all our loyal customers. Global customers can return products to our Chinese warehouse. Please always contact us before returning items to relevant addresses.

1. All transportation costs are borne by the customer. This includes shipping costs for returns or exchanges. Shipping costs are non-refundable.
2. Please contact your local post office to confirm the actual return shipping fee before shipping back. We recommend that you use the cheapest postal service if available.