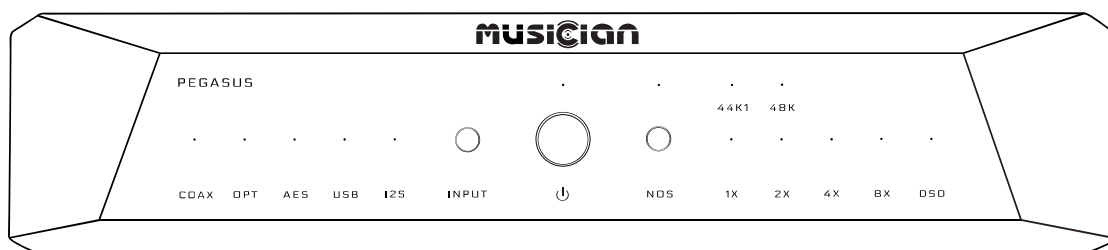




# PEGASUS R2R DAC



**User's Manual** | Email: [info@musician-audio.com](mailto:info@musician-audio.com)  
Official website: <http://www.musician-audio.com>

# Introduction

## Thank you for choosing MUSICIAN products!

Guangzhou LEZHIJIA 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.

# Features and technical parameters

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## Technical Highlights

- Proprietary R2R + DSD Architecture
- True balanced 24BITS R2R + 6BITS DSD (32 steps FIR Filters)
- Low Noise Power Supply
- FIFO Buffer
- Digital Signal Processing via FPGA
- DSD1024, PCM1536 Supports On USB & I2S Input (the audio source needs to be compatible with the native interface)
- Proprietary USB Audio Solution via STM32F446 Advanced AMR Based MCU
- Licensed Thesycon USB Driver For Windows Platform
- Driverless On Mac & Linux

## DSD

- DSD64-DoP On All Input
- DSD1024 On USB & I2S Input

## PCM

- 24bits / 44.1, 48, 88.2, 96, 176.4, 192kHz On All Input
- 1536kHz On USB & I2S Input

## Sampling Mode

- Non-Oversampling NOS / Oversampling OS

## Digital Input

- Coaxial \* 1 via RCA
- Optical \* 1
- USB\*1
- AES/EBU \*1
- I2S via HDMI LVDS \* 1

## Analog Output

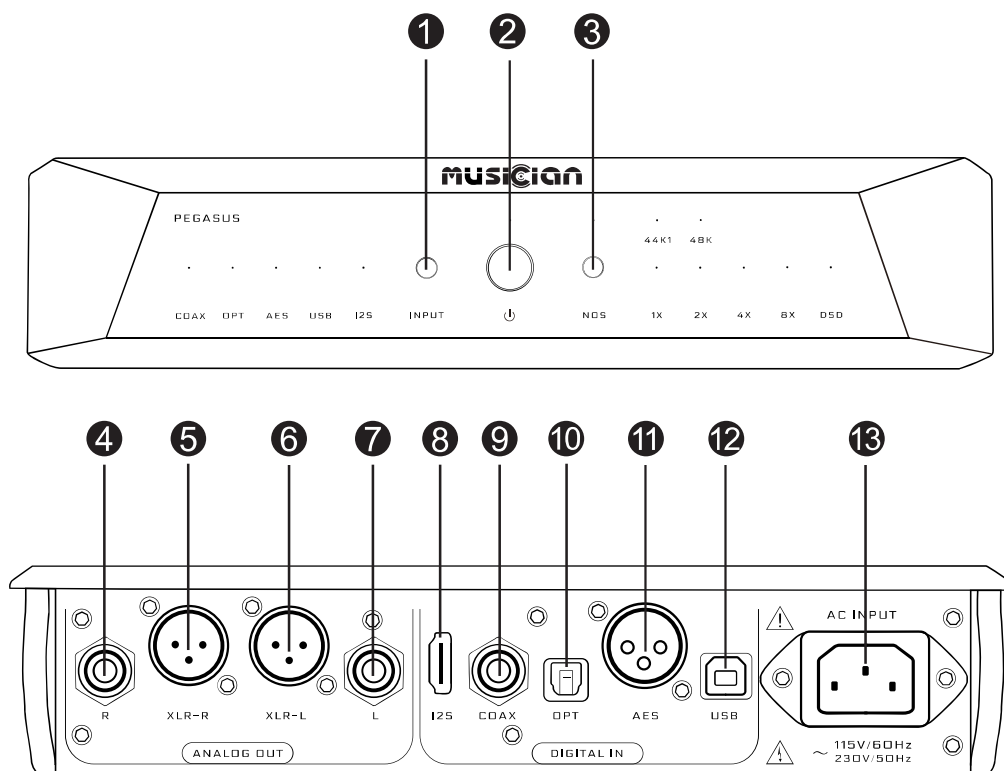
- RCA: 2.2Vrms, 625Ω
- XLR: 4.4Vrms, 1250Ω

## Technical parameters

- Frequency Response: 10Hz~60kHz
- THD+N: 0.002%
- S/N Ratio: 123dB(A-weighted)
- Dynamic Range: >120dB
- AC Power Requirement: 110-240VAC, 50/60Hz (Worldwide Voltage)
- Power Consumption: ≤20W
- Dimension: 280 x 250x 50 mm
- Package Dim: 375 x 330 x 115 mm
- Package Content: DAC + AC power cable, No remote control.
- Weight: 3.9 Kg
- Color: Silver / Blac

# Front and back panel introduction


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- |                    |                   |              |
|--------------------|-------------------|--------------|
| ❶ Input Button     | ❸ Left XLR Output | ❶❶ AES Input |
| ❷ Power Button     | ❷ Left RCA Output | ❷❷ USB Input |
| ❸ NOS Button       | ❸ I2S Input       | ❸❸ AC Input  |
| ❹ Right RCA Output | ❹ Coaxial Input   |              |
| ❺ Right XLR Output | ❺ Optical Input   |              |

## Driver installation guide



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1. Please visit the official website of MUSICIAN and download the PEGASUS driver “MUSICIAN\_UsbAudio\_v4.82.0\_2020-04-28\_setup.exe” through technical support (<http://www.musician-audio.com/col.jsp?id=105>).
2. Connect the device with the computer by USB cable → turn on the device → short press “Input” to switch to the USB input mode.
3. Open the downloaded PEGASUS file → click setup to start the installation → continue to click “Next” → until the installation is complete and show “Finish”
4. After installation, in the right corner of the computer → Click on the playback device  → Select “MUSICIAN USB DAC” as the default device.

Driver installation finished.

# Operating instructions

### Power on and standby

Connect the power, turn on the DAC by short pressing the middle power button , the LED light is off at this time. If you press  again, the DAC will switch to standby mode and the LED lights up.

### Signal input selection

The left side of the front panel is the input mode selection, you can switch the input mode freely by pressing the INPUT button

- Select COAXIAL as input, the LED above the corresponding COAX lights up;
- Select OPTICAL as input, the LED above the corresponding OPT lights up;
- Select AES as input, the LED above the corresponding AES lights up;
- Select USB as input, the LED above the corresponding USB lights up;
- Select I2S as input, the LED above the corresponding I2S lights up.

### NOS

NOS Indicator light off means oversampling; NOS Indicator light on means original sampling rate.

### Analog audio signal output

Two output modes: XLR balanced output and RCA output.

### Digital audio signal input

Five input methods: I2S, COAXIAL, OPTICAL, AES and USB.

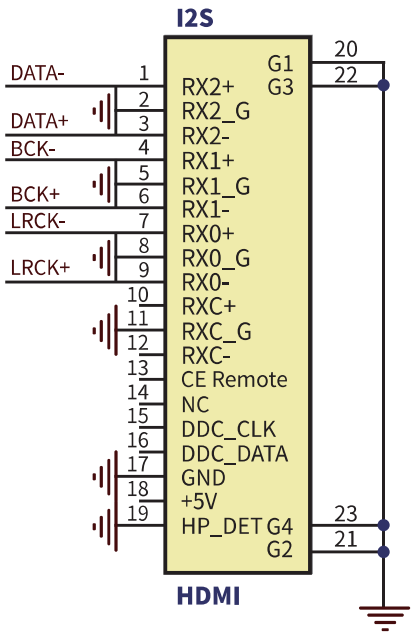
### AC power input

AC power requirements: 110-240 VAC, 50/60 Hz (Global voltage)

### Digital audio signal input sampling rate

The following table shows the LED status of the input sampling rate

Benchmark sample rate	Multiplier	Input format sampling rate
44.1 kHz	1X	44.1 kHz
	2X	88.2 kHz
	4X	176.5 kHz
	8X	352.8 kHz
48 kHz	1X	48 kHz
	2X	96 kHz
	4X	192 kHz
	8X	384 kHz
DSD	1X	DSD 64
	2X	DSD 128
	4X	DSD 256
	8X	N/A



# Products and packaging

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## Packing list:

PEGASUS DAC	x 1	AC power cable	x 1
User manual	x 1	Warranty card	x 1

# 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.