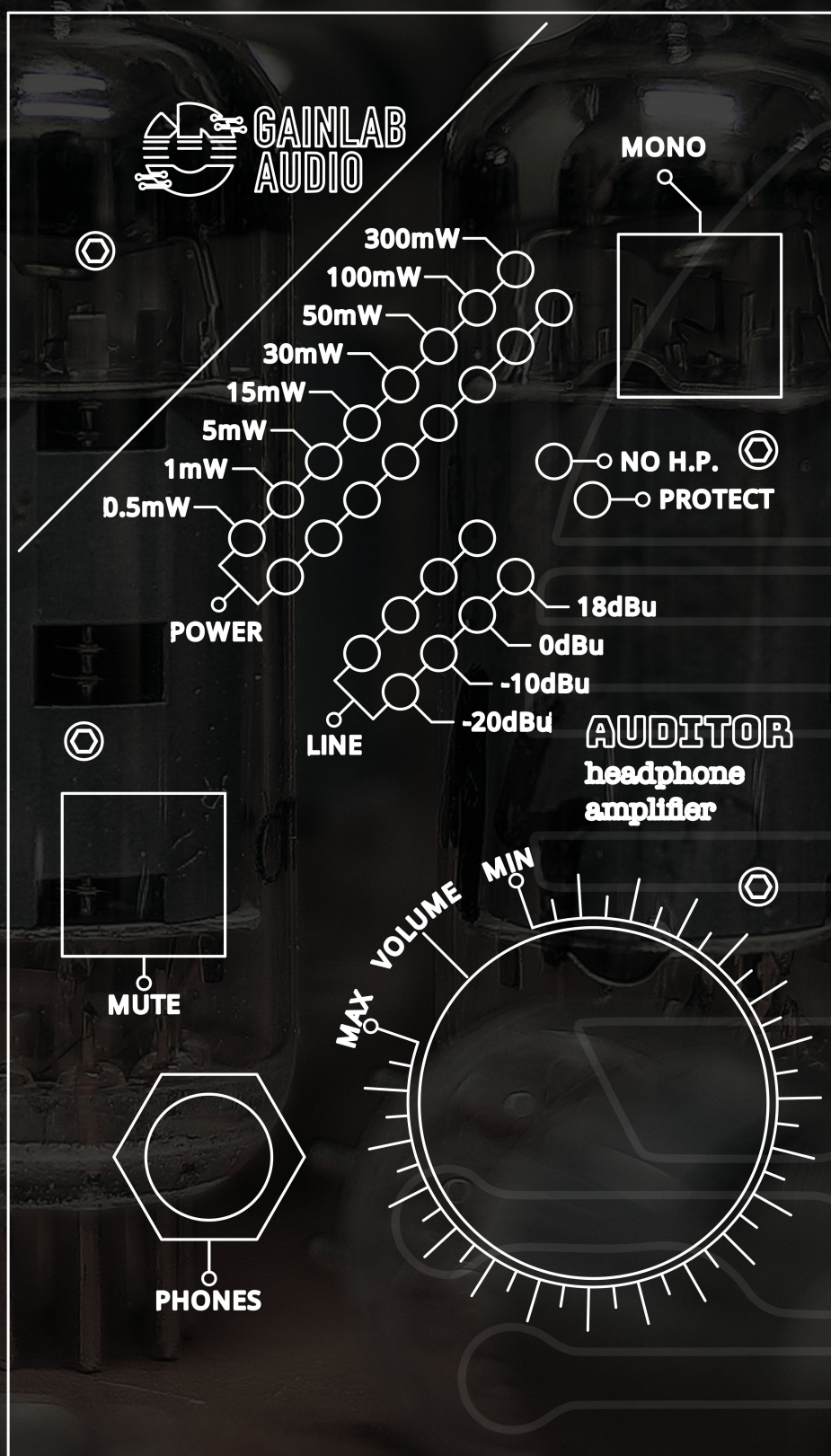




GLA501-HP1 AUDITOR



PLEASE NOTE THAT THE GLA501-HP1 AUDITOR IS INTENDED FOR PROFESSIONAL USE. IT'S NOT A CONSUMER ELECTRONIC DEVICE. ITS INSTALLATION AND USE REQUIRE CERTAIN PROFESSIONAL SOUND ENGINEERING KNOWLEDGE AND SKILLS. LACK OF THIS KNOWLEDGE MAY RESULT IN MALFUNCTION, DAMAGE OR PERSONAL INJURY.

Op

OPERATION AND SAFETY PRECAUTIONS

- Use only grounded electrical outlet!
- Do not open the device and don't do any modifications on it!
- Do not attempt to repair or replace any of the components unless specifically instructed to do so in this guide.
- Pay attention to not put any solid matter (flammable things, coin, nail etc) or liquid (water, alcohol etc.) inside device.
- Do not twist or break the power cord or place heavy objects on it. Doing so may damage the cable and cause a short circuit. Damaged cables can cause fire and electric shock!
- Protect the device from intensive external shock! (for example: falling down)

Never use the device in following conditions:



- Extreme temperature
- Moisture
- High humidity
- Rain
- Dust
- Heavy vibration

In the following cases, turn off the machine immediately, unplug the power cord, and contact us (support@gainlabaudio.com):

- If the mains plug of the appliance is damaged
- If you notice smoke or an unusual odor
- If any object or liquid gets inside the device,

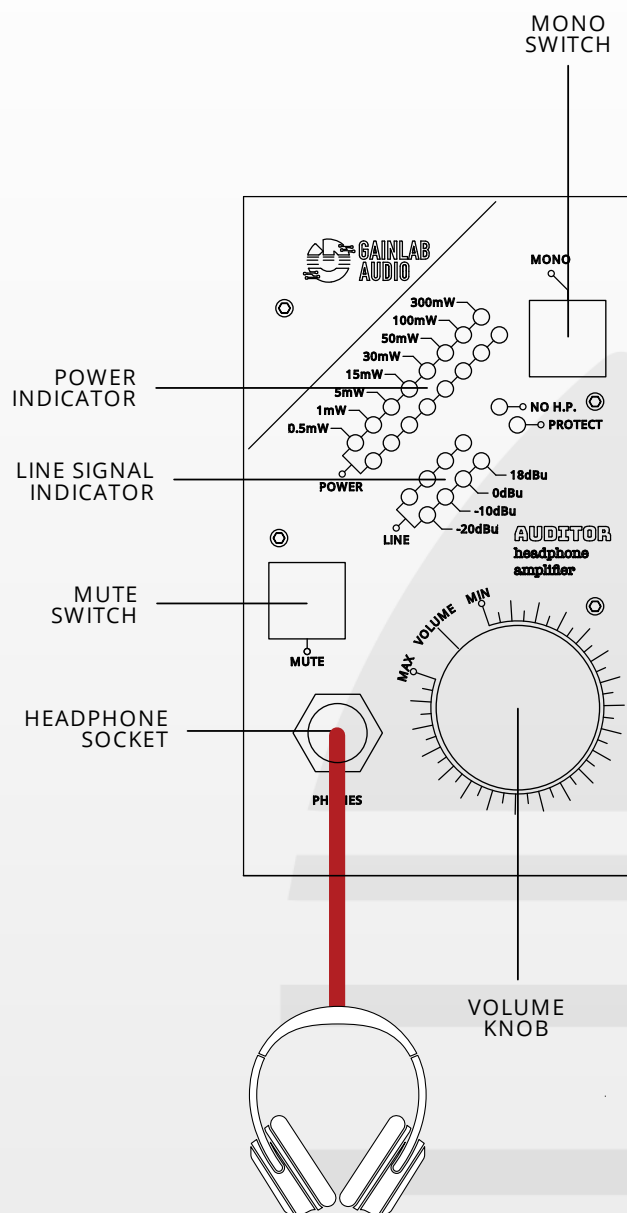
- If the device has been exposed to rain or other moisture,
- If the device does not operate normally
- Do not connect the appliance to a mains socket to which an electrical appliance controlled by an inverter, switching power supply (eg. refrigerator, washing machine, microwave, air conditioner) or a appliance with a motor is connected.
- Depending on the use of the electrical devices, power supply noises may cause a malfunction or audible noise on this unit. If a separate electrical outlet cannot be used, connect a noise filter between this and the other electrical appliance.
- The unit heats up during several hours of continuous operation. This is normal and not a cause for concern.
- Turn off all devices before connecting the device to other devices. This will prevent damage to speakers and other equipment.
- Use of the unit near amplifiers or other equipment that contains a transformer may cause noise. To resolve this issue, relocate the device or move it away from the interfering device.
- Noise may be caused by using a wireless communication device near the device, such as a mobile phone. Such noise can occur when making, receiving, and diverting a call. If you experience this problem, move the wireless device away from the device or turn it off.
- This unit may interfere with radio and television operation, so do not use near such receivers.
- If the device is transported to a location with a very different temperature and / or humidity, moisture may condense inside. Using the device in this condition may result in damage or malfunction. Therefore, wait a few hours for the moisture to completely evaporate before using the appliance.

CI CLEANING AND MAINTENANCE

Clean the appliance daily with a soft, dry or slightly damp cloth. Use a soft, abrasion-free cloth to remove stubborn dirt. Then wipe the device with a dry cloth. Never use benzine, thinner, alcohol or other solvents, strong alkaline or acidic cleaners as they may cause discoloration and deformation.



OVERVIEW



INTRODUCTION

The GLA501-HP1 Auditor is designed for use exclusively in an API™ 500 Series-compatible rack and is not intended for standalone operation. The unit relies on the rack's internal power supply for proper operation.

WARNING: Always power down the rack before installing or removing any 500 Series module. Connecting or disconnecting a module while the power is on may cause permanent damage to the unit.



INSTALLING/UNINSTALLING

- The dimensions of the GLA501-HP1 Auditor fully comply with the API 500 Series standard. When installing the unit into a 500-series rack, no excessive force is required.
- Carefully and slowly insert the module into the rack connectors to avoid damage to the connectors or printed circuit boards of either the unit or the rack.
- Once the module is fully seated, secure it using the screws supplied with your 500-series rack to ensure safe and stable installation.
- To remove the unit, first loosen and remove the front-panel screws, then gently pull the module out using your fingers. Do not use sharp tools or excessive force, as this may cause damage to the module or the rack.



PHONES OUTPUT



Connect your headphones to the Phones output. The input signal can be fed to the Auditor via the Input of the corresponding 500-series rack slot.



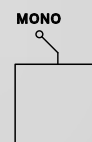
MUTE

The active status of the MUTE button is indicated by a yellow light. When MUTE mode is engaged, the headphone output is muted. Upon power-up, the **Auditor starts in MUTE mode, after every power-up cycle.**



MONO

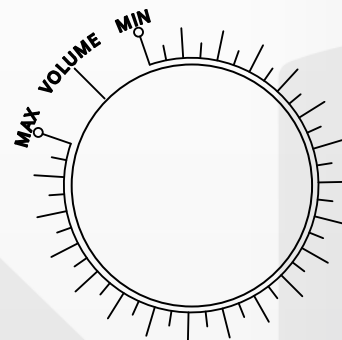
The activation of the MONO function is indicated by a yellow light on the button. When MONO mode is engaged, the Auditor sums



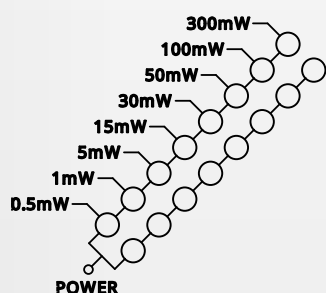
the left and right input signals and provides mono monitoring.

Vo VOLUME

The VOLUME knob controls the output level of the headphone amplifier, determining the amount of power delivered to the headphones connected to the jack output. Turn the knob clockwise to increase the output level, and counterclockwise to decrease it. **Please note that, unlike conventional designs, the zero (minimum) position of the knob is not at the 6 o'clock position, but approximately at the 11 o'clock position.**



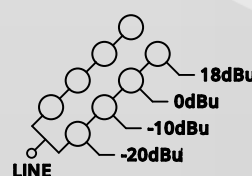
Po POWER INDICATOR



The POWER INDICATOR provides visual feedback on the operating power level of the headphone amplifier, allowing the user to anticipate the expected listening level in the headphones before putting them on. The power indication is active only when a pair of headphones is connected to the Auditor. The indication reflects the behavior of the headphone amplifier circuit and therefore depends on the type and impedance of the connected headphones, as well as on the characteristics of the program material present at the line input.

Li LINE SIGNAL INDICATOR

The LINE SIGNAL INDICATOR shows the presence of a signal at the Auditor's input and provides an approximate indication of the signal level in dBu. The indication of the LINE SIGNAL INDICATOR is independent of the VOLUME knob setting and reflects only the level of the incoming signal, based solely on the program material present at the input.



No NO HEADPHONES

The NO HEADPHONES indicator illuminates when no headphones are connected to the PHONES output. In this condition, the POWER INDICATOR is inactive and will not operate.

○ NO H.P.

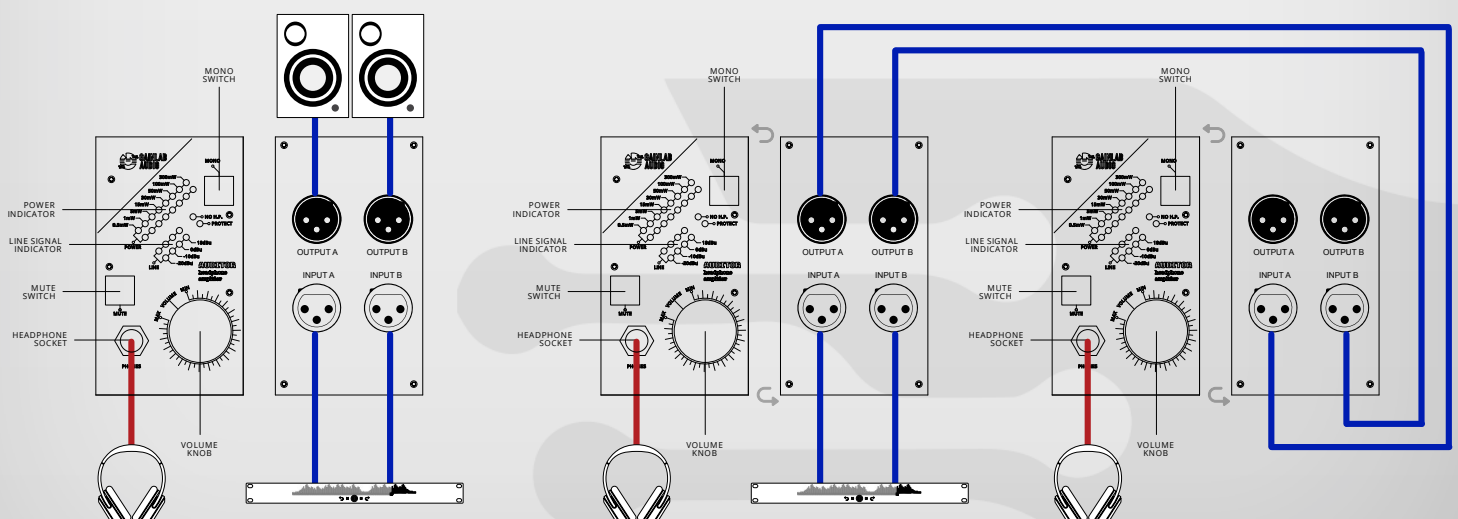
Pr PROTECT

The PROTECT indicator illuminates when an abnormal signal condition—such as the presence of DC—appears at the Auditor's input and could potentially endanger the headphone amplifier or the connected headphones. In such cases, the Auditor automatically switches to PROTECT mode for the duration of the fault condition. While in PROTECT mode, no signal is routed to the headphones and no amplification takes place, regardless of the MUTE status or the position of the VOLUME knob.

○ PROTECT

Si SIGNAL PASS-TROUGH

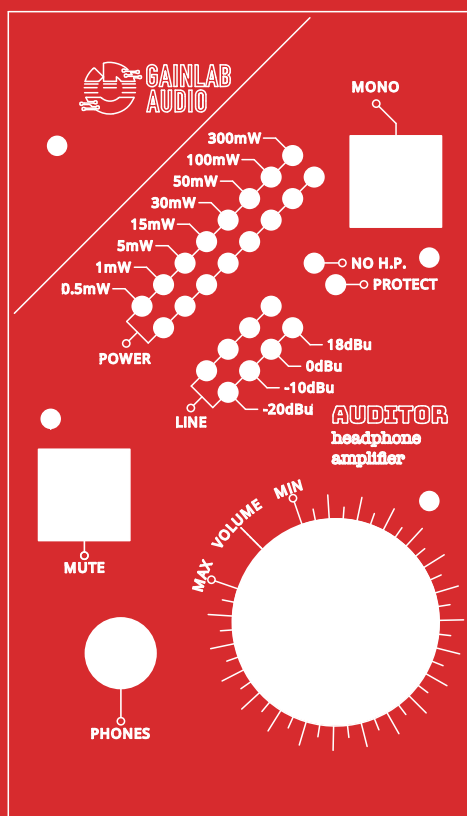
The Signal pass-through means that the Auditor is able to forward the line-level signal received at its 500-series rack input directly to the corresponding 500-series rack output, independently of the Auditor's operation and the headphone amplifier state. This allows the input signal to be daisy-chained further, either to monitor loudspeakers or to feed additional Auditor units.



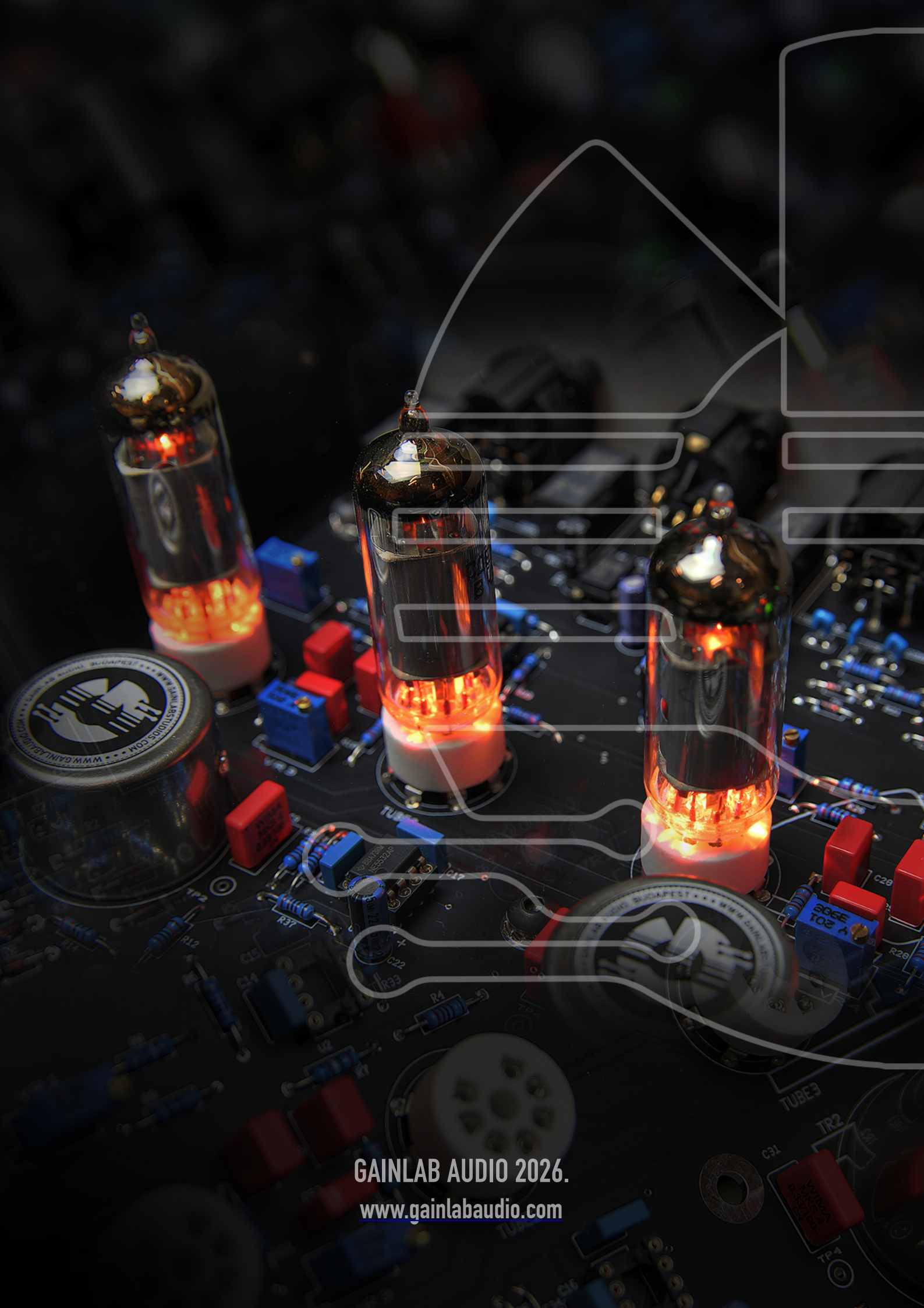


SPECIFICATIONS

INPUTS:	Male Card Edge Connector
OUTPUT:	6.3mm TRS Jack
MAXIMUM OUTPUT POWER:	1 W / Channel
OUTPUT IMPEDANCE:	<1,1 ohm
THD:	<0.005% @ 200mW
FREQUENCY RESPONSE:	20Hz-20Khz \pm 0.005dB 10Hz-100Khz +0.05 -1dB
DIMENSIONS:	2-slot 500 Series



ALWAYS POWER DOWN THE RACK BEFORE INSTALLING OR REMOVING ANY 500 SERIES MODULE. CONNECTING OR DISCONNECTING A MODULE WHILE THE POWER IS ON MAY CAUSE PERMANENT DAMAGE TO THE UNIT.



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