



LIQUID PLATINUM HEADPHONE AMPLIFIER



DESIGN BY
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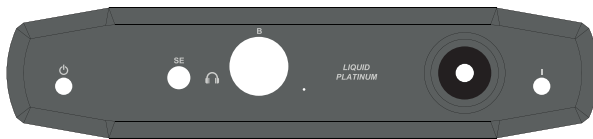
P/N **33305**
User's Manual

The Liquid Platinum is a fully differential, balanced amplifier based on the highly regarded Cavalli Liquid Crimson. It is an embedded tube/solid state hybrid with one 6922 dual triode per channel. It has 2 outputs: 4 Pin XLR balanced, and TRS (standard 1/4" phone plug) single ended. The TRS out is provided for compatibility with TRS terminated headphones, but it is recommended to use the amp in fully balanced mode with balanced terminated headphones.

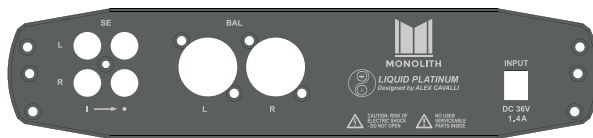
The amp has both balanced (XLR) and single ended (RCA) inputs. The input type is selectable with a 2-position push button switch on the front panel. The single ended input has an internal solid state buffered phase splitter to create a balanced signal and drive the amp fully balanced.

The LP (Liquid Platinum) has a single gain of 5X and an approximate full output power of 3.6W per channel with a 50 ohm load.

FRONT VIEW



BACK VIEW



Amplifier Operation

1. The LP has a deliberate startup sequence that allows the tubes to become conducting before other voltages are applied. Do not attempt to defeat this startup timing. Do not repeatedly push the power button on and off because this will always reset the timing.
2. Plug the Monolith/Platinum labeled power supply into the back of the amplifier.
3. Press the power button to turn on the amplifier.
4. The small LED in the center of the front panel should light red.
5. The tube heaters will fully light up in about 10 seconds.
6. After approximately another 30 seconds to one minute the LED will switch to white. This indicates that the amp is ready for full operation
7. If the LED does not turn white within 2 minutes, please contact Monoprice Tech Support Associate
8. To turn off the power push the power button again (pushbutton out).

CAUTION: Please remember to turn down the volume (or power down completely) before plugging or unplugging any sources or headphones into or from your Liquid Platinum.

Setup Instructions

1. Plug source(s) into the XLR or RCA or both inputs.
2. Select the input. Pushbutton out is balanced input, pushbutton in is RCA input.
3. Plug in headphones.

Protective Circuit

There is one complex protective circuit in the LP which protects the headphones from DC offset. The protective circuit is triggered if either or both channels exhibit an average DC voltage above the set threshold. If this happens the LED will turn to Red and the amplifier will be in protection mode and will not operate. In normal operation, when the issue is relieved, the LED will return to its white condition indicating that the amp is ready for operation again. If the LED stays red, please contact Monoprice Tech Support Associate

Sometimes the protection circuit will trip when you insert or remove a TRS plug with the amp delivering power to the jack. This means that the amp is responding to the well-known channel shorting that occurs during the insertion/removal of the plug. To prevent this, always turn down the volume before removal/insertion of a TRS plug.

General Best Practices

- Plug in headphone cables when the amplifier is turned off.
- Turn the volume all the way down before plugging in headphones.
- Turn the volume all the way down before putting on headphones.
- Plug in sources when the amplifier is turned off and turn the amplifier off to switch sources.

Amplifier Break-In

- Most amplifiers need at least 100 hours of continuous music playback to reach their full sound signature.
- In a tube amp or tube hybrid amp, some of this time is needed to burn off impurities in the vacuum tube materials. This takes about 50 of the 100 hours.
- It is not necessary to set up a break-in period. The amp will change character as you listen normally and you will hear it evolve into its natural sound signature.

Amplifier Break-In (Continued)

- If you do employ break-in, we recommend about 100 hours playing in continuous music mode with no headphones and the volume set to about 10 o'clock.
- We recommend you disconnect your headphones when not listening during this break-in period.
- After about 100 hours we do not recommend to keep the amplifier on constantly as this will shorten the life of the tubes and other components.

Balanced vs. Single Ended

To get the best performance from your LP use the balanced output. The amp is designed to run balanced. If you only have TRS terminated headphones we recommend that you find a way to listen with balanced headphones before making any judgement on the performance of the LP. Remember that the SE output is provided for convenience only.

Power Sources

Your LS Amplifier is supplied with a universal power supply module. It has a US (Type A) plug, but will work with the adapter suitable for your location.

Grounding

This amplifier shares the ground of the source it is plugged into. In unusual circumstances, ground noise may occur, depending on the exact grounding of the source equipment.

Power and Signal

Cables should never be connected or disconnected with equipment powered up. Failure to heed this warning may damage or destroy equipment.

Servicing

There are no serviceable parts in the amplifier. There are high voltages inside the enclosure. Do not attempt to service the amplifier. All servicing must be referred to authorized service personnel.

FOR YOUR PROTECTION

Ventilation

Your amplifier runs warm and requires free air circulation to the vents on the product.

Never place the amplifier in an enclosed space with restricted airflow, especially one with low vertical clearance.

Never place it near another source of heat, especially on top of something that is generating significant heat. Excessive heat will shorten the life of the product.

Water and Moisture

- NEVER use the LP amplifier near water.
- NEVER handle the amplifier while in contact with water.
- NEVER let the amplifier come in contact with water.
- NEVER spill water or other liquids into it.
- NEVER operate the LP with wet hands.

TECHNICAL SUPPORT

Monoprice is pleased to provide free, live, online technical support to assist you with any questions you may have about installation, setup, troubleshooting, or product recommendations. If you ever need assistance with your new product, please come online to talk to one of our friendly and knowledgeable Tech Support Associates. Technical support is available through the online chat button on our website **www.monoprice.com** during regular business hours, 7 days a week.

You can also get assistance through email by sending a message to: **tech@monoprice.com**

Need Help? We're here for you!

Contact us: **www.monoprice.com/contactus**

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