

CRIMSON

HPA100

USER'S GUIDE



Welcome

Welcome to the Crimson family and congratulations on your purchase of the Crimson HPA100 Reference Headphone Amplifier! We are confident it will become a valuable component of your studio or audio playback system. It was carefully engineered to provide pristine and accurate sound, and built to provide a lifetime of service.

Package Contents

- HPA100 Reference Headphone Amplifier
- Power Supply

Care/Cleaning

Your HPA100 should be placed on a stable, flat surface such as a desktop or workstation shelf, but is also designed to fit situated on a 19" rack shelf. For optimal performance keep high voltage (AC mains) cabling, and any equipment that generates excessive heat away from the amplifier as much as possible. Use only the power supply included with the unit.

Your HPA100 components are not water-resistant, it's important that they be kept free of moisture. Clean only with a soft dry cloth or tissue, and use no liquid cleaners or solvents.

Features

- Exceptional clarity, stunning stereo imaging, extremely low noise
- Balanced stereo line inputs on comb XLR/TRS connectors
- Unbalanced stereo line inputs on RCA connectors
- Large easy to use volume level knob
- Illuminated input select switch
- ¼" Stereo headphone output Jack
- All steel construction
- Small footprint enclosure

Warranty

The Crimson HPA100 is warranted to be free from defects in parts and workmanship for a period of one year from date of purchase. Please contact us at support@crimsonaudio.com for warranty service.

Safety Precautions

- Read these instructions for all components before using this product.
- Keep these instructions for future reference.
- Heed all warnings on the product and in the owner's guide and follow all instructions.
- Do not use this apparatus near water or moisture. Do not use this product near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, near a swimming pool, or anywhere else that water or moisture are present.
- Clean only with a dry cloth and as directed by the manufacturer. Unplug this product from the wall outlet before cleaning
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. To ensure reliable operation of the product and to protect it from overheating, put the product in a position and location that will not interfere with its proper ventilation. For example, do not place the product on a bed, sofa, or similar surface that may block the ventilation openings. Do not put it in a built-in system, such as a bookcase or a cabinet that may keep air from flowing through it's ventilation openings.
- Do not install near any heat sources, such as radiators, heat registers, stoves or other apparatus that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wider blade or third prong are provided for your safety. If the provided plug does not fit in your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments or accessories specified by the manufacturer.
- Use only with the cart, stand, tripod, bracket or table When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.
- Unplug this apparatus during lightning storms or when unused for long periods of time to prevent damage to this product.
- Refer all servicing to qualified service personnel.
- Servicing is required when the apparatus has been damaged in any way such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Do not attempt to service this product yourself. Opening or removing covers may expose you to dangerous voltages or other hazards. Please contact the manufacturer to be referred to an authorized service center near you.
- To prevent risk of fire or electric shock, avoid overloading wall outlets, extension cords, or integral convenience receptacles.
- Do not let objects or liquids enter the product as they may touch dangerous voltage points or short out parts that could result in a fire or electrical shock.
- See product enclosure bottom for safety related markings.
- Use Proper Power Sources. Plug the product into a proper power source, as described in the operating instructions or as marked on the product.
- Avoid power lines – Use extreme care when installing an outside antenna system to keep from touching power lines or circuits, as contact with them may be fatal. Do not install external antennas near overhead power lines or other electric light or power circuits, nor where an antenna can fall into such circuits or power lines.

Overview

The Crimson HPA100 Reference Headphone Amplifier remains true to the Crimson mission of providing high quality, simple designs with superior sonic clarity. The HPA100 delivers on that mission with stunning stereo imaging. Most pieces of audio gear include a headphone output of some sort, but many of them are a mere afterthought in the design process. The HPA100 is designed for critical headphone monitoring situations - when you need to know that what you are hearing in your phones is not compromised by a shortcut in design. Built around top-quality time-tested components, and enclosed in a quality-designed all-metal space-saving enclosure, the HPA100 is certain to become a valued and trusted addition to your studio or audiophile listening setup.

Front Panel

Volume Level - Ergonomic volume level knob controls audio level.

Input - Selects between the stereo unbalanced RCA jacks, and the balanced combo XLR jacks on the rear panel.

Headphones - Connects 1/4" stereo headphones.



Rear Panel

Combo XLR Jacks - Connects XLR or 1/4" TRS stereo balanced line-level audio sources.

RCA Jacks - Connects stereo unbalanced audio sources.

Power Switch - Use to power the amplifier on and of

DC Input Connector - Connect power supply



Specifications

- Frequency Response: 10Hz - 80KHz +2.1/-0.04dB (0dBu input, 24 Ohms)
- THD+N: 0.01% (+10dBu output, 1KHz, A-weighted)
- Noise: -97dB (+10dBu output, 1KHz, A-weighted)
- Max Input Signal: +21dBu (1KHz, 24 Ohms, balanced input)
- Max Output Signal: 9.35W (1KHz, 24 Ohms)
- 5.1"W x 1.68"H x 5.28"D, 2lbs

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