



# HC 4

HEADPHONE CONSOLE



## IMPORTANT SAFETY INSTRUCTIONS

For the continued safety of yourself and others we recommend that you read the following safety and installation instructions. Keep this document in a safe location for future reference. Please heed all warnings and follow all instructions.

Do **not** use this equipment in a location where it might become wet. Clean only with a damp cloth.

This equipment may be installed in an industry standard equipment rack. We recommend that all mounting holes be used, providing the best physical support. The equipment may be used as a table top device, although stacking of the equipment is dangerous and not recommended.

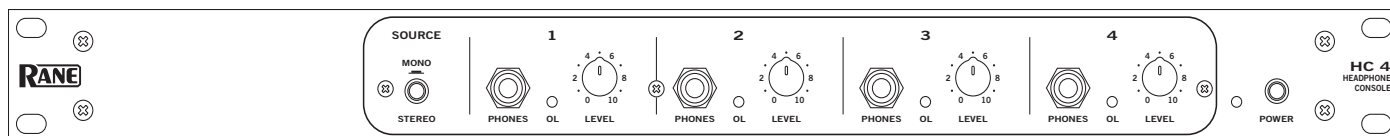
Do not directly block any of the ventilation openings. If rackmounting, please provide adequate ventilation. Equipment may be located directly above or below this unit, but note that some equipment (like large power amplifiers) may cause an unacceptable amount of hum or may generate too much heat and degrade the performance of this equipment.

Protect the power cord and plug from damage caused by being walked on or pinched. Protect the line cord, where it exits the unit, from excessive strain. Only use attachments and accessories specified by Rane.

Unplug this equipment during lightning storms or when unused for long periods of time.

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 damage, spilled liquid, fallen objects into an opened chassis, exposure to rain or moisture, a dropped unit, or abnormal operation.





### Quick Start

Connect the output from any stereo source such as a mixer or tape deck, and plug the left and right inputs into the respective **INPUT** jacks. The Inputs accept balanced or unbalanced sources. Just plug them in. This source is now routed to each of the four Outputs.

For a single mono source feeding all headphones, connect it to either one of the **INPUT** jacks and engage the **STEREO/MONO** switch. Set the **LEVEL** controls for individual headphone levels.

***Never connect anything except a Rane power supply to the thing that looks like a telephone jack on the rear of the unit.*** This is an AC input and requires special attention if you do not have a power supply ***exactly*** like the one originally packed with your unit. See the full explanation of the power supply requirements on page Manual-3.

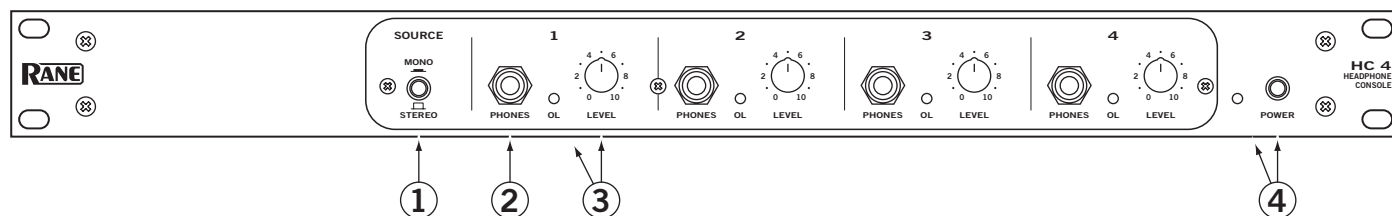
### HC 4 Connection

With the power switch in the *off*(out) position, plug the power cord into the appropriate AC power source indicated on the rear panel. Locate the power supply case away from the HC 4 and other hum sensitive equipment.

Begin with all **LEVEL** controls counterclockwise at "0." Plug the outputs from a mono or stereo source into the **INPUTS**.

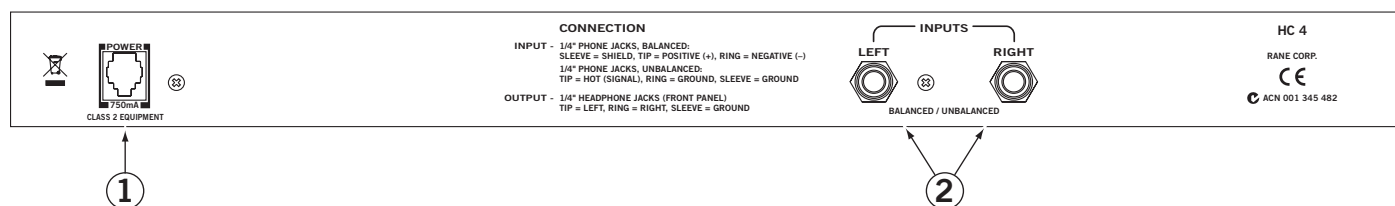
See the *Sound System Interconnection* RaneNote for information on proper cable wiring between devices that have different connector types and grounding schemes.

## Front Panel Description



- ① **STEREO/MONO switch** converts the INPUTS from stereo to mono so that a single input cable drives both sides of the headphones. In some instances a STEREO program may be confusing for live monitoring purposes, and switching to MONO improves intelligibility by summing the Left and Right signals.
- ② **PHONES** jacks accept standard ¼" TRS (tip-ring-sleeve) stereo headphone plugs.
- ③ **LEVEL** controls adjust the volume for each set of headphones as they are driven from the rear INPUTS. It's always a good idea to keep this control turned down before plugging in a pair of phones, then turn it up slowly. The red **OL** indicators light when the input signal exceeds the HC 4's output capability (3 dB below maximum). Occasional flickering is acceptable, but a steady glow recommends turning the LEVEL control down. The overload point automatically varies with the headphones used.
- ④ **POWER** switch is your basic, straightforward power switch. When the yellow indicator is lit, the HC 4 is ready to go.

## Rear Panel Description



- ① **Remote POWER supply input** The unit is supplied from the factory with a Model RS 1 remote power supply suitable for connection to this input jack. The power requirements of the unit call for an 18 volt AC center-tapped transformer only. **This is not a telephone jack. Never use a power supply with your unit other than the one supplied or a replacement approved by Rane Corporation.** Using any other type of supply may damage the unit and void the warranty.
- ② **INPUT jacks** These are automatic balanced/unbalanced Inputs, which accept either a ¼" TRS (Tip-Ring-Sleeve) plug for balanced operation, or a ¼" TS (Tip-Sleeve) plug for unbalanced operation. A balanced line is best when connecting a cable over 10 feet in length. You do nothing different when hooking up balanced or unbalanced lines. The HC 4 is one smart animal.