

WARRANTY

The GS-X mk2 Dual-Mono Headphone Amp/Pre-Amp is warrantied for 3 years on all parts and labor. The customer is responsible for shipping charges incurred in warranty service.



GS-X mk2

DUAL-MONO HEADPHONE AMP/PRE-AMP

USER MANUAL

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HEADPHONE AMP

The GS-X mk2 uses 4 "Dynalo+" amplifier modules based on a discrete design by Kevin Gilmore. When paired with the +/-20V power supply, the modules can output up to 23Vpp/100 ohm, 21Vpp/25 ohm, and 16Vpp/10 ohm. These voltages are doubled when using balanced outputs.

FRONT PANEL

PRE-AMP Switch - When ON, the pre-amp XLR & RCA outputs will be enabled.

GAIN Switch - Sets the amount of amplification. Use low (L) for IEMs and sensitive headphones and medium (M)/high (H) for hard to drive headphones.

BALANCED Output - For use with headphones wired with a 4-pin XLR plug. The pinout for wiring those plugs is L+(1), L-(2), R+(3), R-(4).

L/SE, R/SE - These are combo jacks which have a 1/4" jack in the center for use with headphones wired with 1/4" TRS plugs for stereo use. They are also 3-pin XLR jacks for headphones wired with separate left/right plugs for balanced use.

INPUT Switch - Sets the input to either RCA 1, XLR, or RCA2. In order to drive headphones/pre-amp with true balanced output, the XLR input must be used.

BACK PANEL

AUDIO INPUTS - The GS-X mk2 has 3 stereo inputs; a XLR for balanced, and 2 RCA.

LOOP OUTPUTS - 1 XLR, 1 RCA. Use the loop outputs to pass the input signal on to another part of your system. If the amp is turned off, the RCA loop output will default to outputting the RCA 1 input signal.

PRE-AMP OUTPUTS - 1 XLR, 1 RCA. The pre-amp outputs can be used to drive a speaker amplifier, typically one that does not have its own volume control or input switching.

SETUP

Position the Power Supply and Amplifier boxes side by side or on different shelves of a rack with proper ventilation. Stacking the amplifier on top of the power supply is not recommended as it will increase the noise floor and block the power supply ventilation. Never stack the power supply on top of the amplifier as ventilation of the amplifier is even more important.

Connect the 6-conductor cable to the power supply and amplifier before applying power. Make sure the cable has been locked into place. Never disconnect either end of the cable when the power is on.