

GRADIENT XO-AMP

USER GUIDE



Power switch

Power indicator for channel 1 and 2.



Bass level setting channel 2

Input channel 2

Output channel 2

Bass level setting channel 1

Input channel 1

Output channel 1

4 pole speakON speaker connect channel 2

4 pole speakON speaker connect channel 1

AC mains input powerCON

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CONNECTIONS

The Gradient XO-AMP shall be connected like an ordinary power amplifier, after the preamplifier. The XO-AMP is equipped with balanced Neutrik XLR - connectors. The speaker connectors are professional Neutrik speakON connectors. The speakers shall be connected in the following way:

Speakon 1+ -> Gradient SW + ; Speakon 1- -> Gradient SW -
Speakon 2+ -> Main speaker + ; Speakon 2- -> Main speaker -

If one wish to use an external power amplifier, for example tube amplifier, for the midrange and treble, the XO-AMP has a line level high frequency output from the XLR-male connector.

The speakON speaker connectors feature a unique metal locking system, making contact only once fully locked. The speakON connectors are robust, versatile and easy to terminate.

Two 4-pole SpeakON cable connectors are included. They are extremely reliable and robust cable connectors with a locking system. They feature solid contacts with screw-type terminals including a stranded wire protection which offer also solder termination.

The AC-connector is professional Neutrik lockable powerCON-connector.

BASS LEVEL CONTROL

The level of the signal, feeding the bass amplifier can be adjusted continuously by a trimmer adjustments at the back of the unit. The adjustment range is +/- 10dB for both channels separately. According to the personal taste and listening room acoustics the bass is easy to adjust. Once found the correct balance, there is a little need for further adjustments.

TECHINCAL SPECIFICATIONS

Output power:	4 x 120W
Crossover frequency:	200Hz (Version A), 110Hz (Version B) bass filter of band-pass type with dipole equalization.
Input impedance:	40k Ω
Output impedance (line level):	100 Ω
Bass level adjustment ranges:	+/-10dB both channels separately
AC mains:	110-250VAC, automatic detection
Features:	High-end analog signal path, Extremely low, frequency-independent THD performance, true dual-mono design.
Dimensions (WHD):	465 x 60 x 412mm
Weight:	6kg
Finish:	Chassis: black, Frontplate: Alpine white acrylic stone

