

The PREQ4® (500 Series) is a one channel microphone preamplifier with AIR BAND® (shelf boost from 2.5 to 40kHz via VARI AIR™), compatible with the API 500-6B lunchbox® and 500VPR rack systems. Following its PreQ3 predecessor, the PREQ4 provides unparalleled transparency and top end presence while maintaining the true natural sound behind the microphone. Presented in the flagship lunchbox® portable format, the PREQ4® offers the legendary AIR BAND®, 65dB adjustable gain, phase reverse capability, 70Hz high pass filter, +48V phantom power, and -20dB PAD. The Maag Audio PREQ4® is an official member of the VPR Alliance.

VARI AIR

Shelving frequency selector for the AIR BAND. The shelf peaks are set at 2.5kHz, 5kHz, 10kHz, 20kHz, and 40kHz. The frequencies below the shelf peaks are also affected due to the transitional slope.

GAIN

Gain control for the preamp. 25-45 dB (45-65 dB with the GAIN +20 button engaged)

***GAIN +20**

Increases the GAIN to a range of 45-65 dB.

PAD -20

Attenuates the mic signal (pre transformer) by -20 dB.

48v Phantom Power

Supplies Phantom Power to mic.



AIR GAIN

Gain control for the AIR BAND. +12 dB max

PEAK

Red LED starts to illuminate when the output signal reaches 23 dBu.

SIGNAL

Green LED indicates audio signal presence. Illumination starts @ -28 dBu.

AIR BAND®

Engages the AIR BAND.

High Pass Filter

Knee starts @ 160 Hz and is -3 dB @ 70 Hz.

Phase Reverse

Reverses the phase of the output relative to the input.



Specifications

**Specification	Value	**Specification	Value
Max Gain	65 dB	Equivalent Input Noise	-124 dBu
Frequency Response	-3dB points, 10Hz & 75kHz	Headroom	+27 dBu
Nominal Input Impedance (XLR)	Mic, 150 Ohms, balanced	Maximum Phase Shift	25°
Nominal Output Impedance (XLR)	4 actively balanced	THD + Noise	< 0.007%

*Recommend turning the GAIN fully counter-clockwise before engaging. **Specifications subject to change without notice.



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Maag Audio Product Warranty

Model: PREQ4-500

Product Warranty

Maag Audio expressly warrants its products for a period of one (1) year from the date of purchase. Products will be free of manufacturing defects. Within the warranty period, a product will be tested, repaired or replaced at the sole discretion of Maag Audio, free of charge. All warranty service will be conducted through authorized Maag Audio dealers only. The end user is required to provide proof of purchase (receipt or invoice) of the product. This warranty is offered solely to the original purchaser of the product from an authorized Maag Audio dealer and is not transferable. This warranty does not include the shipping charges to and from the authorized Maag Audio dealer from whom the product was purchased. Maag Audio will pay for shipping costs between the dealer and Maag Audio. All warranty service requires a Maag Audio issued RMA number. Please conduct warranty service communication with an authorized Maag Audio dealer.

Warranty Exclusions

The foregoing express warranty is made in lieu of all other product warranties, expressed and implied, including merchantability and fitness for a particular purpose which are specifically disclaimed. The express warranty will not apply to defects or damage caused by post purchase shipping and transportation, storage, careless handling, nor damage caused by misuse, hot swapping, use in non-API lunchbox, accidents, neglect, alterations, operator error, or failure to properly maintain products.