

# TUBE ULTRAGAIN MIC100

## Technical Specifications

Version 1.0 January 2003

ENGLISH



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# TUBE ULTRAGAIN

Vacuum Tube Preamplifier with Limiter

- ▲ High-end tube mic/line preamplifier for studio, live and hard disk recording applications
- ▲ Hand-selected 12AX7 vacuum tube with UTC technology for exceptional warmth and lowest noise
- ▲ The ultimate sound-enhancing tool for virtually any sound source
- ▲ Perfectly complements studio-grade condenser mics
- ▲ Usage as a high-end DI-box ensures outstanding signal integrity
- ▲ Eliminates the “dull” sound of standard digital recorders and sound cards
- ▲ Dynamic limiter effectively protects your equipment from overload
- ▲ Phase reverse switch, +48 V phantom power and 20 dB pad for utmost flexibility
- ▲ Balanced inputs and outputs on 1/4" TRS and gold-plated XLR connectors
- ▲ Highly accurate 8-segment LED level meter
- ▲ Extremely wide-range input gain and output level adjustment

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# SPECIFICATIONS

## XLR input

Connector	Balanced/unbalanced
Type	Transformerless, DC-decoupled input
Impedance	approx. 2 k $\Omega$
Max. input level	+7 dBu / 20 dB with pad

## 1/4" TRS input

Connector	Balanced/unbalanced
Type	Transformerless, DC-decoupled input
Impedance	approx. 1 M $\Omega$
Max. input level	+16 dBu / 20 dB with pad

## Audio outputs

Connectors	XLR and 1/4" TRS connector balanced/unbalanced
Type	Transformerless, DC-decoupled output
Impedance	approx. 700 $\Omega$ balanced / approx. 350 $\Omega$ unbalanced
Max. output level	approx. +26 dBu @ 100 k $\Omega$

## System specifications

Frequency response	Mic input <10 Hz - 43 kHz (+/-3 dB) Line input <10 Hz - 40 kHz (+/-3 dB)
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## Function controls

Gain	variable (+26 to +60 dB)
Output	variable (- $\infty$ to +10 dB)

## Function switches

20 dB pad	Level attenuation (20 dB)
+48 V	Activates the phantom power
Phase reverse	Phase reverse (180°)
Limiter	Limits the output signal

## Indicators

Input level	8-segment LED meter: -24, -18, -12, -6, 0, +6, +12, clip
Power-LED	Indicates operation

## Power supply

Mains voltages	USA/Canada	120 V~, 60 Hz, PSU
	U.K./Australia	240 V~, 50 Hz, PSU
	Europe	230 V~, 50 Hz, PSU
	Japan	100 V~, 50 - 60 Hz, PSU

## Physical

Dimensions (H x W x D)	approx. 2 1/2" (64 mm) x 5 1/4" (135 mm) x 5 1/4" (135 mm)
Weight (without power supply)	approx. 0.5 kg (1.1 lbs)

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