



Technical Specifications



ULTRAGAIN PRO MIC2200

Audiophile Vacuum Tube Microphone/Line Preamplifier

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Audiophile Vacuum Tube Microphone/Line Preamplifier

- Ultra-low noise discrete microphone/line preamplifier with hand-selected 12AX7 tube for ultra-musical sound
- Mic input stage based on discrete, conjugate transistor pair circuitry
- Ultra-wide bandwidth from 10 Hz to 200 kHz for "open" sound
- Integrated fully parametric EQs with dedicated center frequency, bandwidth and level controls
- Independent line driver for converting -10 dBV into +4 dBu pro level
- Soft-mute +48 V phantom power to avoid switch-on thumps
- Fully tunable and switchable 12 dB high-pass filter
- Switchable phase reverse for correcting phase-related problems
- Accurate 12-segment LED metering for output level
- Servo-balanced inputs and outputs with ¼" TRS and gold-plated XLR connectors
- High-quality components and exceptionally rugged construction ensure long life
- Conceived and designed by BEHRINGER Germany

Specifications

Audio Input

Microphone

Connectors	XLR
Type	transformerless, DC-decoupled input
Impedance	3 k Ohms balanced
Maximum input level	+10 dBu balanced and unbalanced
CMRR	typ. 40 dB, >55 dB @ 1 kHz

Line

Connectors	XLR and ¼" jack
Type	transformerless, DC-decoupled input
Impedance	60 kOhms balanced
Maximum input level	+23 dBu balanced and unbalanced
CMRR	typ. 40 dB, >55 dB @ 1kHz

Audio Output

Connectors	XLR and ¼" jack
Type	electronically servo-balanced output stage
Impedance	60 Ohms balanced, 30 Ohms unbalanced
Maximum output level	+21 dBu balanced and unbalanced

System Specifications

Frequency response	10 Hz to 200 kHz, ± 3 dB
Noise	>94 dBu, unweighted, 22 Hz to 22 kHz
THD	0.011% typ. @ +4 dBu, 1 kHz, Gain 1
IMD	0.01% typ. SMPTE
Crosstalk	<-88 dB, 22 Hz to 22 kHz

Function Controls

Mic gain	variable (+10 dB to +60 dB)
Frequency (lo cut)	variable (12 to 320 Hz)
Frequency (PEQ)	variable (10 Hz to 20 kHz), dependent on x10 and x0.1 switch
Bandwidth	variable (0.03 to 2 octaves)
Level	variable (-15 dB to +15 dB)
Output	variable (-20 dB to +20 dB)

Function Switches

+48 V	activates phantom power
Mic/line	switches from line to mic preamplifier
Phase rev.	phase reverse (180°)
Lo cut	activates the high-pass filter
x 0.1	switches the frequency control to 10 Hz - 200 Hz
x 10	switches the frequency control to 1 kHz - 20 kHz
EQ in/out	activates the parametric filter

Indicators

Clip	clipping control LED
Output level	12-segment LED display: -30/-24/-18/-12/-6/-3/0/+3/+6/+9/+12/+18 dB
function switch	LED indicator of every switch

Power Supply**Mains voltages**

USA/Canada	120 V~, 60 Hz
U.K./Australia	240 V~, 50 Hz
Europe	230 V~, 50 Hz
General Export Model	100 - 120 V~, 200 - 240 V~, 50 - 60 Hz
Power consumption	max. 20 Watts
Fuse	100 - 120 V~: T 500 mA H 200 - 240 V~: T 250 mA H
Mains connection	standard IEC receptacle

Physical

Dimensions (W x D x H)	approx. 8.5 x 1.8 x 19" approx. 217 x 44.5 x 483 mm
Net weight	approx. 2.3 kg
Shipping weight	approx. 3.4 kg

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