



Technical Specifications



ULTRAGAIN PRO MIC2200

Audiophile Vacuum Tube Microphone/Line Preamplifier

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- 3 analog inputs (one suitable as digital stereo AES/EBU input) and 6 analog outputs for maximum flexibility
- High-end 24-bit/96 kHz A/D and D/A converters for ultimate signal integrity and wide dynamic range (113 dB)
- Integrated sample rate converter for easy connection of external digital signals with sampling rates from 32 to 96 kHz
- Precise Dynamic EQs for level-dependent equalization and extremely musical Parametric EQs, selectable for all inputs and outputs
- Several types of EQs (LP/BP/HP) for each input and output
- "Zero"-attack Limiters on all output channels for optimal speaker protection
- Four different mono and stereo output operating modes
- Individual crossover filter types (Butterworth, Bessel and Linkwitz-Riley) with selectable roll-off characteristics from 6 to 48 dB/octave
- Adjustable Delays for all inputs and outputs—allow manual or automatic correction for room temperature, phase and arrival time differences
- Additional Sum signal derived from the A/B/C inputs offers a fourth internal input signal
- Free ULTRADRIVE PRO software enables total control via PC through RS-232 and RS-485 interfaces (download at behringer.com)
- Link option via RS-485 network interface enables cascading of several ULTRADRIVE PROs
- 60 user-defined internal presets storable via PC software or on PCMCIA card
- Servo-balanced, gold-plated XLR connectors for all inputs and outputs
- Internal switch-mode power supply for maximum flexibility (100 - 240 V~), noise-free audio, superior transient response plus low power consumption for energy saving
- 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 x 10 and x 0.1 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 (H x W x D)	approx. 1 ¾ x 19 x 8 ½" approx. 44.5 x 482.6 x 217 mm
Net weight	approx. 3 kg
Shipping weight	approx. 4.2 kg

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