



## 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:<br>-30/-24/-18/-12/-6/-3/0/+3/+6/<br>+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<br>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"<br>approx. 217 x 44.5 x 483 mm |
| Net weight             | approx. 2.3 kg   |
| Shipping weight        | approx. 3.4 kg   |

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