



## Technical Specifications



# MULTIGATE PRO XR4400

Reference-Class 4-Channel Expander/Gate

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- 4 high-quality expander/gate channels
- IRC (Interactive Ratio Control) expander/gate circuitry for virtually inaudible noise suppression
- Extremely short attack time (<10 µsec) to capture ultra-high speed signals such as drums
- Parametric side chain filter with monitor function
- Independent Hold and Release controls for flexible envelope shaping
- Maximum attenuation 80 dB
- FlexLink system for ultimate master/slave configurations
- Dedicated "Traffic light" Threshold and Gain Reduction LED indicators
- 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

Connectors	XLR and ¼" jack
Type	RF filtered, servo-balanced input
Impedance	50 kOhm balanced, 25 kOhm unbalanced
Max. Input Level	+21 dBu balanced and unbalanced
CMRR	typ. 40 dB, >55 dB @ 1 kHz

### Audio Output

Connectors	XLR and ¼" jack
Type	Electronically servo-balanced output stage
Impedance	60 Ohms balanced, 30 Ohm unbalanced
Max. Output Level	+21 dBu, +20 dBm balanced and unbalanced

### System Specifications

Frequency Response	18 Hz to 30 kHz, +/- 3 dB
Noise	>95 dBu, unweighted, 22 Hz to 22 kHz
THD	0.008% typ. @ +4 dBu, 1 kHz, Gain 1
IMD	0.01% typ. SMPTE
Crosstalk	<-100 dB, 22 Hz to 22 kHz

### Gate Section

Type	UTR (Ultra Transient Response) gate
Threshold	variable (BYPASS to +10 dBu)
Attack	program dependent
Hold	variable (0 to 4 sec)
Release	variable (50 ms to 4 sec)
Range	variable (0 to -80 dB)

### Expander Section

Type	IRC (Interactive Ratio Control) expander
Attack	program dependent
Ratio	variable (1:1 to 1:4)

### Side-Chain Filter

Frequency	variable (100 Hz to 10 kHz)
BW (Bandwidth)	variable (2.3 to 0.7 oct.)

### Function Switches

Monitor	monitors the side-chain key signal
Filter	activates the side-chain filter
Mode	gate/expander switch
Couple	activates the FlexLink function

**Indicators**

"+" indicator	signal is below threshold
"Hold" indicator	signal reaches the threshold
"-" indicator	signal is above threshold
Gain Reduction	8-segment LED display: 1/3/6/10/15/20/30/40 dB
LED indicator for each function 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 630 mA H 200 - 240 V~: T 315 mA H
Mains Connection	Standard IEC receptacle

**Physical**

Dimension	1 ¾ x 19 x 8 ½" 44.5 x 483 x 217 mm
Net Weight	approx. 2.2 kg
Shipping Weight	approx. 3.5 kg

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