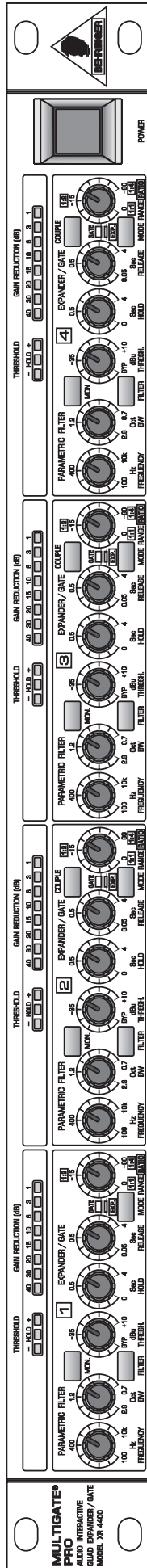


MULTIGATE[®] PRO XR4400



Technical Specifications

Version 1.1 May 2000

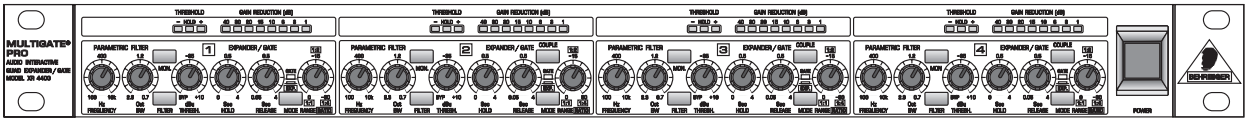
ENGLISH



www.behringer.com

MULTIGATE PRO

Audio Interactive 4-channel Expander/Gate of the high-end class



- ▲ High-precision Parametric Filter for frequency selective operation
- ▲ UTR (Ultra Transient Response) selectable ultra-fast Gate
- ▲ IRC (Interactive Ratio Control) selectable ultra-smooth Expander
- ▲ Fully adjustable Ratio control in Expander mode
- ▲ Fully adjustable Attenuation control in Gate mode
- ▲ Independent Hold/Release controls for any envelope shaping
- ▲ FlexLink system for flexible Master/Slave configurations
- ▲ Filter Monitor facility for monitoring the filter section
- ▲ High-performance VCAs on all channels
- ▲ Ultra-low noise 4580 audio operational amplifiers for outstanding sound performance
- ▲ Precise 8-segment metering for Gain Reduction
- ▲ Accurate “Traffic Light” display for easy Threshold setting
- ▲ True RMS level detection for “inaudible” performance
- ▲ Servo-balanced gold-plated XLR and 1/4" TRS inputs and outputs
- ▲ High-quality detented potentiometers and illuminated switches
- ▲ Manufactured under ISO9000 certified management system

EXPANDER
GATE

SPECIFICATIONS

AUDIO INPUT

Connectors	XLR and 1/4" 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 1/4" 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 (H * W * D)	app. 1 3/4" (44.5 mm) * 19" (482.6 mm) * 8 1/2" (217 mm)
Net Weight	app. 2.5 kg
Shipping Weight	app. 3.5 kg

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