

XL42

Pre Amp Equaliser System



Midas XL42 Pre Amp EQ

The Midas XL42 is a rack mounting, dual channel creative equaliser incorporating the XL4 four band parametric equalisation with XL4 mic/line pre-amplifiers and 48V phantom supply. Each channel has input, output and pan rotary controls, 10 segment LED metering plus a switchable insert send and return point. Each channel has DIP switches to enable automute scene control from the automute masters of XL consoles.

The ability to "daisy chain" multiple units allows the creation of custom mixing consoles. When linked together, the combined outputs will sum, producing discrete L&R channels.

The XL42 can be used with any console via an insert point or input to add Midas EQ to the selected programme. In addition, if a production requires, for example, 10 channels more than the input capacity of the master console, five XL42s can be fitted in a standard rack together with any required dynamic processing, which can be inserted via the XL42's insert points, thus creating a custom 10 into 2 mixer via the output daisy chain feature. The resulting L&R outputs may then be routed to the master console via any convenient point i.e. a pair of aux returns, group inputs, matrix inputs etc.

As a stand alone unit, the XL42 is ideally suited to applications requiring a high quality front end, such as stereo recording etc.



Features

- ⊕ Two channels in 1U of rack space
- ⊕ XL4 four band parametric EQ
- ⊕ High pass filters
- ⊕ Mic/line pre-amps
- ⊕ Phase reverse switch
- ⊕ 48V Phantom power
- ⊕ Switchable insert send/return on each channel
- ⊕ Input/output level control
- ⊕ Switchable panpot on each output
- ⊕ 10 segment LED metering
- ⊕ "Daisy chain" capability
- ⊕ Dip switches to assign to console mute groups
- ⊕ Inputs/outputs electronically balanced as standard
- ⊕ Input/output transformer balancing option

⊕ Technical Specification

⊕ Input Impedance

Mic	2K Balanced
Mic + Pad	3K Balanced
Link & Insert	20K Balanced

⊕ Input Gain

Mic	Continuously variable from +15dB to + 70dB
Mic + Pad	Continuously variable from -10dB to + 45dB
Link & Insert	0dB

⊕ Maximum Input Level

Mic	+6dBu
Mic + Pad	+26dBu
Link & Insert	+21dBu

CMR at 1KHz	
Mic (gain +60dB)	> 70dB
Mic + Pad (gain + 35dB)	>45dB
Link & Insert	>60dB

⊕ Frequency Response (20 to 20kHz)

Any Input	+0dB to - 1dB
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Noise (20 to 20KHz)	-129dBu
Mic EIN ref. 150 Ω (gain + 60dB)	

Transformer Mic Input EIN ref. 150 Ω (gain + 60dB)	-127dBu
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System Noise at 0dB (one channel only)	-88dBu
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Distortion at 1KHz Mic (+60dB gain, 0dBu output)	<0.03%
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Link (0dBu)	<0.01%
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⊕ Output Impedance

All Outputs	50Ω Balanced
Source to drive	> 600Ω

⊕ Maximum Output Level

All Outputs	+ 21dBu
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⊕ Metering

Type	10 led peak Reading
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⊕ Equaliser

Hi pass slope	12dB/oct.
Hi pass frequency	Continuously variable -3dB point from 20Hz to 400Hz

Treble Gain	Continuously variable +15dB to - 15 dB
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Centre detent = 0dB

Treble Shelving Freq.	Continuously variable -3dB point from 1K to 20K
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Treble Bell Freq.	Continuously variable Centre from 1K to 20K
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Treble Bell Bandwidth	Continuously variable 0.1 Oct. to 2 Oct. Centre detent = 0.5 Oct.
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Hi Mid Gain	Continuously variable + 15dB to - 15dB Centre detent = 0dB
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Hi Mid Freq.	Continuously variable Centre from 400Hz to 8K
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Hi Mid Bandwidth	Continuously variable 0.2 Oct. to 2 Oct. Centre detent = 0.5 Oct.
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Lo Mid Gain	Continuously variable + 15dB to -15 dB Centre detent = 0dB
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Lo Mid Bandwidth	Continuously variable 0.3 Oct. to 2 Oct. Centre detent = 0.5 Oct.
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Bass Gain	Continuously variable + 15 dB to -15dB Centre detent = 0dB
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Bass shelving Freq.	Continuously variable -3dB point from 20Hz to 400Hz
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Bass Bell Freq.	Continuously variable Centre from 20Hz to 400Hz
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Bass Bell Bandwidth	Continuously variable 0.1 Oct. to 2 Oct. Centre detent = 0.5 Oct.
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⊕ Automute System

Channel Quantity	8
Mute ON Voltage	+ 3 to + 20V
Mute OFF Voltage	-20 to + 2V
Mute Line Load	> 500K

⊕ Power

Nominal Mains Voltage	110/120/220/240V/50/60Hz
Voltage Tolerance	10%
Mains Consumption	<15VA
Mic Phantom Voltage	48V + or -5%
Max. Phantom Current	<10mA

⊕ Dimensions

Width	482mm (19 inch)
Depth	250mm (10 inch)
Height	44mm (1.75 inch)

⊕ Weight

Net	3kg
Shipping	4kg

⊕ Options

Mic Transformer	Factory Specified Only
Output Transformer	Factory or Retro-fit

Trade Descriptions Act:
Due to the company policy of continuing improvement, we reserve the right to alter these specifications without prior notice. E&OE.