

MPX10

Mono channel - Mic pre, Noise Reduction, Compressor & EQ



British
Originals



PRODUCT OVERVIEW

The MPX10 provides, in a single channel unit, all the necessary signal processors for one step recording or PA applications. The MPX10 combines a Mic/Line preamplifier with DI input, Noise Reduction, Auto Compressor and Equaliser in a 1U unit with integral power supply.

The input section is designed around an ultra low noise mic pre-amp of exceptional clarity with switching for Line or DI input selection, +48V Phantom Power, Phase Reverse and 75Hz High Pass Filter.

The Noise Reduction is implemented by way of a simple downwards Expander with variable Threshold. The Compressor section includes variable Threshold and Ratio with 4-mode Auto-Sensing Attack and Release, which automatically tailors the Attack/Release settings to suit the signal. An integral De-Esser switch is incorporated to make the Compressor more sensitive to sibilant frequencies.

The EQ section features two fully variable parametric mid frequencies with variable bandwidth (Q) and fixed HF and LF cut/boost.

Finally the meter section provides an output Gain control and output level and Gain Reduction metering.

APPLICATIONS

The MPX10 is an ideal front end for direct to tape or hard disk recorders and as a superior analogue input stage for digital work stations.

The MPX10 is equally at home in sound reinforcement applications where it can provide feedback suppression, vocal levelling and comprehensive tone shaping.

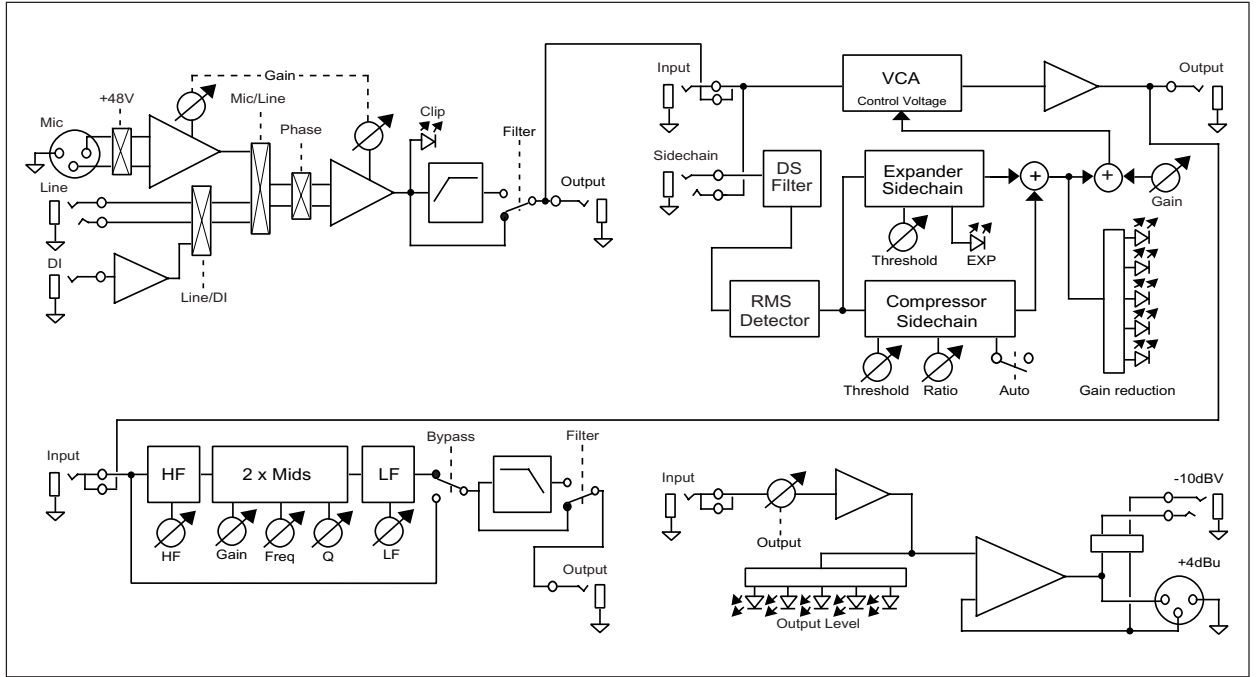
SPECIFICATIONS

ELECTRICAL

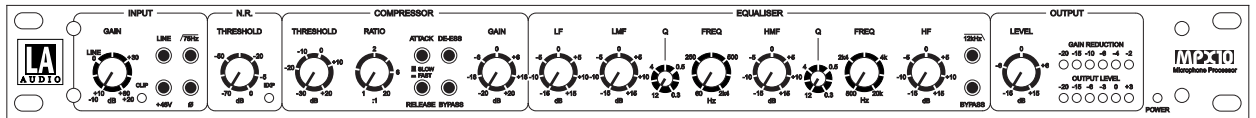
Frequency response:	±1dB, 20Hz to 20kHz
Mic input impedance:	1.2k balanced
Line Input impedance:	20k balanced
DI impedance:	0.5M
Gain:	Mic = +10dB to +60dB Line = -10dB to +30dB DI = 0dB to +30dB
Phantom Power:	+48V
Output impedance:	<100R ground sensing
Output levels:	+4dBu on XLR -10dBV on TRS jack +20dBu
Maximum output level:	+20dBu
Peak indicator:	3dB before clipping
Signal to Noise ratio:	Mic EIN <-128dBu Line <-90dB (at 0dB gain) DI <-80dB (at 20dB gain)
THD:	< 0.05%
High Pass Filter:	75Hz, -12dB/octave
NR Threshold:	0dB to -70dB
Compressor Threshold:	+20dB to -30dB
Ratio:	1:1 to 20:1
Attack:	5ms (fast), 20ms (slow)
Release:	0.5s (fast), 2s (slow)
Equaliser:	±15dB @ 80Hz ±15dB @ 60Hz to 2.4kHz ±15dB @ 500Hz to 20kHz ±15dB @ 12kHz
Bandwidth LMF & HMF:	1/12th octave to 3 octaves
Power Consumption:	7VA, 115/230VAC, 50/60Hz
PHYSICAL	
Input connectors:	3 pin XLR (Pin 2 hot) or TRS jack (Tip hot)
Output connectors:	3 pin XLR (Pin 2 hot) or TRS jack (Tip hot)
Power Connection:	Detachable Lead, 3 pin IEC socket
Dimensions:	483mm (19")W 150mm (6")D 44mm(1.75")H
Weight:	2.2kg
Shipping weight:	2.85kg

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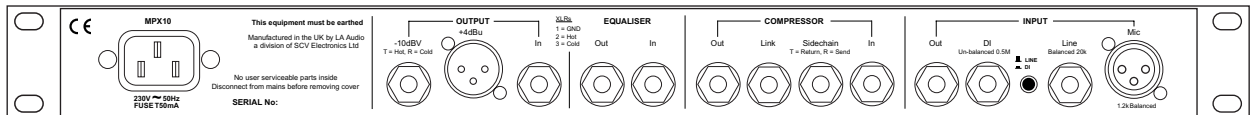
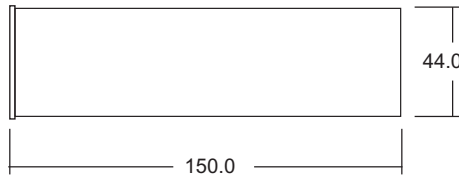
BLOCK DIAGRAM



DIMENSIONS



483.0



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