

PRODUCT OVERVIEW

The MX32B is a stereo unit designed to mix the signals from three microphones and one of three, switch selectable, mono or stereo A/V sources. Video may be switched together with the audio programme when fitted with the video I/O option. The MX32B is designed for operation by non pro-audio users and so keeps operation as simple as possible whilst retaining full features and performance specifications.

The microphone preamplifier has a wide dynamic range with very low noise and distortion. Each of the balanced Mic/Line inputs has a pre-fade Insert point for additional signal processing such as equalisation, compression or gating. On the front panel each channel has Phantom Power switching, switch selectable Mic or Line input, a Volume control and a Pan control to position the signal. Priority switching allows one or more channels to take priority over the remaining channels and the A/V source.

A 2 band EQ, Master level control and dual 10 segment LED output metering make the MX32B quick to set up and operate. The unit is provided with an unbalanced Record output and balanced Main outputs.

The versatility of the MX32B makes it ideally suited to stereo conference PA and recording and also clubs, stadia and churches.

SPECIFICATIONS

ELECTRICAL

Frequency response: 20Hz to 20kHz ± 0.5 dB
 THD: < 0.05%,
 -20dB In, +4dB out, 1kHz

Signal to Noise Ratio: > 74dB (+4dB out)
 Equivalent Input Noise: Mic Input: -123dBu
 Line Input: -97dBu
 A/V Input -90dBu

Input Impedance:

Mic Input: 5k (balanced)
 Line Input: 10k (balanced)
 A/V Input: 10k

Output Impedance:

Main Outputs: < 100R
 Record Output: 5k

Maximum Input Level:

Mic Input: +10dBu
 Line Input: +30dBu
 A/V Input: +30dBu

Max Gain:

Mic Input: 70dB
 Line Input: 50dB
 A/V Input: 26dB

Output Level:

Main Outputs: +20dBu (Max)
 +4dBu (Nom)
 Record Output: +2dBu (Nom)

PHYSICAL

Connectors:

-Mic/Line: XLR (pin 2 hot)
 -Insert: 1/4" Jack (tip hot)
 -A/V Source: Phono (RCA)
 -Main Outputs: XLR (pin 2 hot)
 -Record Output: Phono (RCA)
 -Video: BNC
 Power Connection: Detachable lead , IEC 3 pin socket

Dimensions (mm):

483 (19") W
 135 (5.3") D
 44.5 (1.75") H

Weight:

2.8 kg, 6.2 lbs

Shipping Weight:

3.5 kg, 7.7 lbs

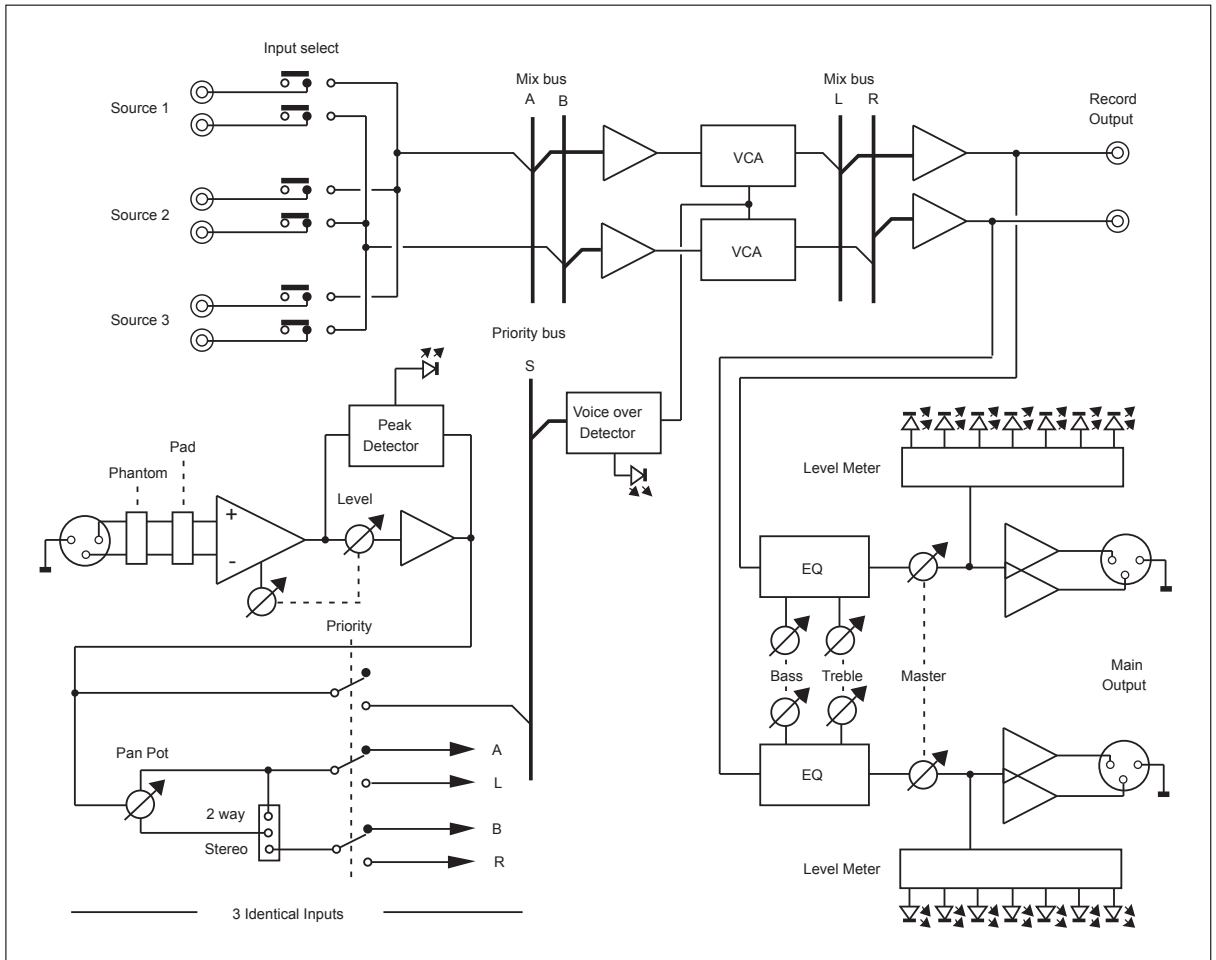
Temperature Range:

-Operating: 0°C to 50°C
 -Storage : 30°C to 75°C

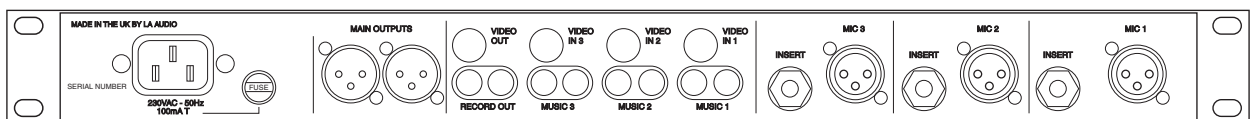
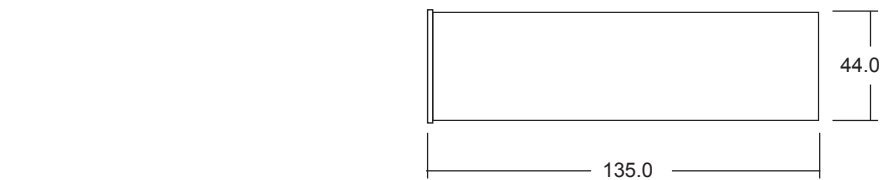
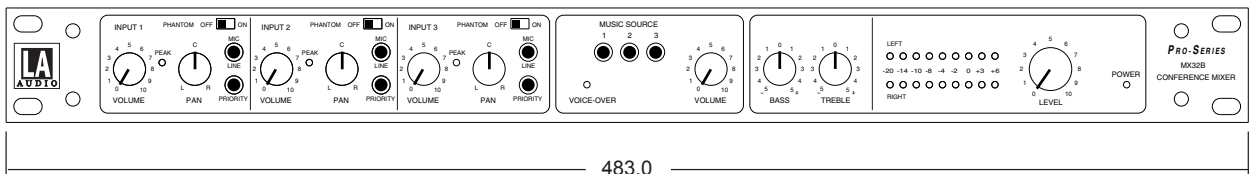
Power Requirement:

6VA, 115/230V AC, 50/60Hz

BLOCK DIAGRAM



DIMENSIONS





3 Mic/Line, 3 AV Sources, Stereo Mixer



British
Originals

ARCHITECTS & ENGINEERS SPECIFICATIONS

The Microphone Mixer shall be a stereo unit in a 1U rack-mounting case comprising three Mic/Line inputs and three switchable A/V programme inputs with optional Video switching.

Each Mic/Line channel shall feature a Mic/Line select switch, individual Phantom Power switching and a pre-fade insert point for additional signal processing. Controls shall be provided for volume and Pan and there shall be a switch to select the channel for priority over the other sources.

The unit shall provide three switchable stereo programme inputs with an option to fit a video I/O board to allow switching of both video and soundtrack.

The Mixer shall provide a 2 band Equaliser, Master Output level control and 10 segment Left and Right output level meters.

Inputs and main outputs shall be balanced on XLR's. A/V inputs, output and record output shall be unbalanced on Phono's and the inserts shall be via 1/4" TRS jacks.

The unit shall be designed and constructed in accordance with the directives encompassed within the 'CE' regulations and so marked.