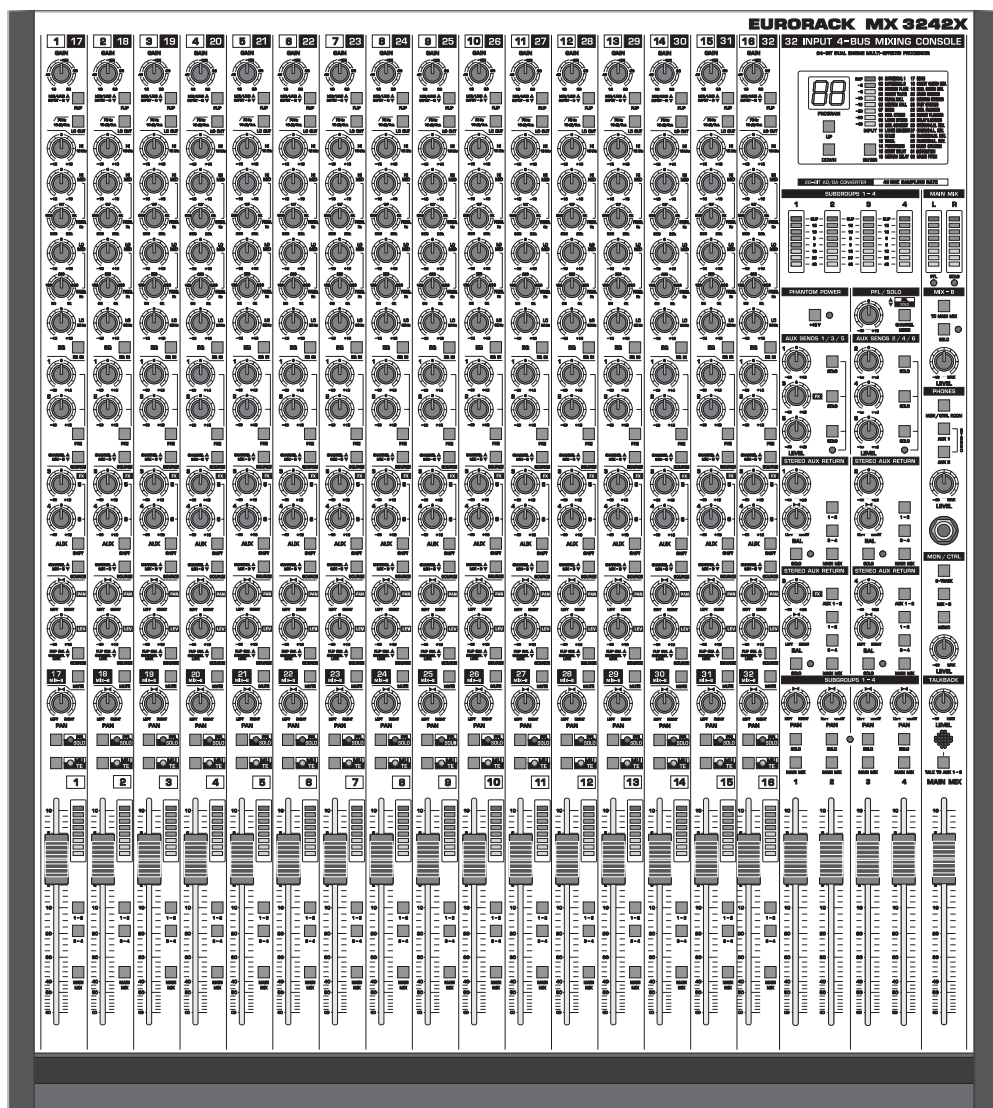


Technical Specifications

Version 1.1 May 2000

ENGLISH

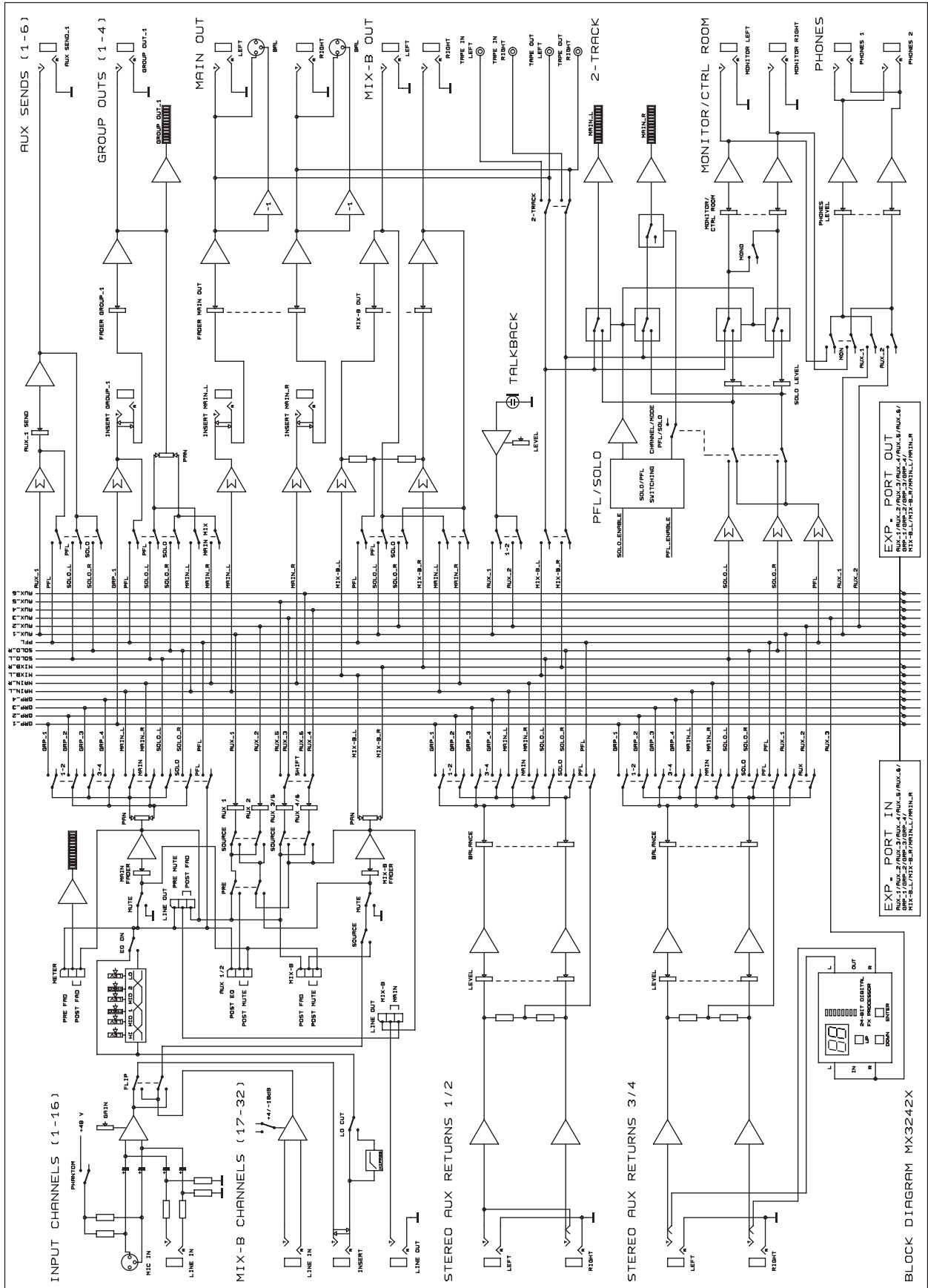


MX3242X

Ultra-low noise 16/32-Channel 4-Bus Inline Mixing Console with integrated VIRTUALIZER Multi-Effects Processor.

- ▲ 16 Microphone Input Channels with gold-plated XLRs, TRS Jacks, Inserts and Direct Outputs
- ▲ Ultra-low noise discrete Mic Preamps with +48 V Phantom Power and switchable Low Cut Filter
- ▲ 16 Line Input Channels with balanced TRS Jack connectors
- ▲ 4 Subgroups with independent Pan control, Solo and Main Mix switches and Inserts
- ▲ 4 Stereo Aux Returns with separate Level and Pan controls, Solo and Routing switches
- ▲ 2 pre / post and 4 post fader Aux Sends for a maximum effects and monitoring flexibility
- ▲ 6 Master Aux Sends with Gain Control and Solo switches
- ▲ 24-bit Stereo Multi-Effects Processor with ultra-high resolution 46 kHz, 20-bit AD/DA converters
- ▲ 32 original VIRTUALIZER Presets including 16 different Reverbs, Delays, Chorus, Flanger, Pitch Shifter, Speaker Simulation and various combinations
- ▲ Extremely high headroom – offering a huge dynamic range
- ▲ Balanced Inputs and Main Outputs for highest signal integrity
- ▲ Ultra-musical and original EURODESK 4-band EQ with two sweepable Mids and I/O switch on all channels
- ▲ LED controlled Mute, Solo-In-Place / Pre-Fader-Listen function on all channels
- ▲ Mix-B section with separate Level and Pan controls, Mute and Source switches
- ▲ Separate Main Mix, Control Room and Headphone Outputs
- ▲ Extremely versatile Headphone and Talkback section
- ▲ Highly accurate 8-segment Bargraph Meters on all Channels, Subgroups and Main Mix
- ▲ Ultra-high quality 100 mm faders for all Channels, Subgroups and Main Mix
- ▲ 19" Rack Mounting kit included
- ▲ Professional 19 inch external Power Supply ensures superior transient response
- ▲ State-of-the-art 4580 ICs and high quality components ensure crystal-clear audio performance
- ▲ Extremely rugged construction ensures long life even under the most demanding conditions
- ▲ Manufactured under ISO9000 certified management system

BLOCK DIAGRAM



BLOCK DIAGRAM MX3242X

SPECIFICATIONS

Mono input channels

| | |
|--------------------|--|
| Mic input | Electronically balanced, discrete input configuration |
| Frequency response | 10 Hz to 130 kHz +/- 3 dB |
| Distortion (THD&N) | 0.007 % at -30 dBu, 1 kHz, 22 Hz to 22 kHz |
| Gain range | +10 dB to +60 dB |
| Max. input | +12 dBu |
| S/N ratio | -125 dB, 150 Ohm source, 22 Hz to 22 kHz -121 dBqp, 150 Ohm source, 22 Hz to 22 kHz -126 dB, input shorted -122 dBqp, input shorted |

| | |
|--------------------|---|
| Line input | Electronically balanced |
| Frequency response | 10 Hz to 125 kHz +/- 3 dB |
| Distortion (THD&N) | 0.006 % at +4 dBu, 1 kHz, 22 Hz to 22 kHz |
| Max. input | +22 dBu |
| S/N ratio | -97 dB, 150 Ohm source, 22 Hz to 22 kHz |

| | |
|------------------------------|---|
| Mix-B input | Electronically balanced |
| Frequency response | 10 Hz to 100 kHz +/- 3 dB |
| Distortion (THD&N) | 0.005 % at +4 dBu, 1 kHz, 22 Hz to 22 kHz |
| Max. input | +22 dBu |
| S/N ratio (Mix-B / Main Out) | -94 dB, 150 Ohm source, 22 Hz to 22 kHz |

| | |
|---------------------|---------------|
| Channel fader range | +10 dBu to -∞ |
|---------------------|---------------|

EQ

| | |
|---------------|-----------------------------|
| Low | 80 Hz, +/- 15 dB |
| Lo Mid | 50 Hz to 3 kHz, +/- 15 dB |
| Hi Mid | 300 Hz to 20 kHz, +/- 15 dB |
| High | 12 kHz, +/- 15 dB |
| Lo Cut filter | -3 dB at 75 Hz, 18 dB/oct. |

Main Mix

| | |
|----------------------|----------------------------|
| Max. output | +28 dBu balanced on XLR |
| Aux Send max. output | +22 dBu unbalanced on jack |
| Control Room output | +22 dBu unbalanced on jack |
| Monitor output | +22 dBu unbalanced on jack |
| Subgroup output | +22 dBu unbalanced on jack |

Digital Effects Processor

| | |
|-------------|---|
| Converter | 20-bit sigma-delta, 64/128-times oversampling |
| Sample rate | 46.875 kHz |

Power Supply

| | |
|-----------------------|---|
| External Power Supply | 150 Watts, 19" (482.6 mm), 2 U (88 mm), approx. 7 kg |
| Mains voltage | USA/Canada 115 V ~, 60 Hz, Power Supply MX3242X-PSU-UL U.K./Australia 240 V ~, 50 Hz, Power Supply MX3242X-PSU-UK Europe 230 V ~, 50 Hz, Power Supply MX3242X-PSU-EU Japan 100 V ~, 60 Hz, Power Supply MX3242X-PSU-JP |

Dimensions/weight

| | |
|--------------------------|---|
| Dimensions (H*W*D, app.) | 3.75/9" (95.25/228.6 mm) * 19" (482.6 mm) * 21/22.5" (533.4/570 mm) |
| Weight | app. 12 kg (without PSU) |

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