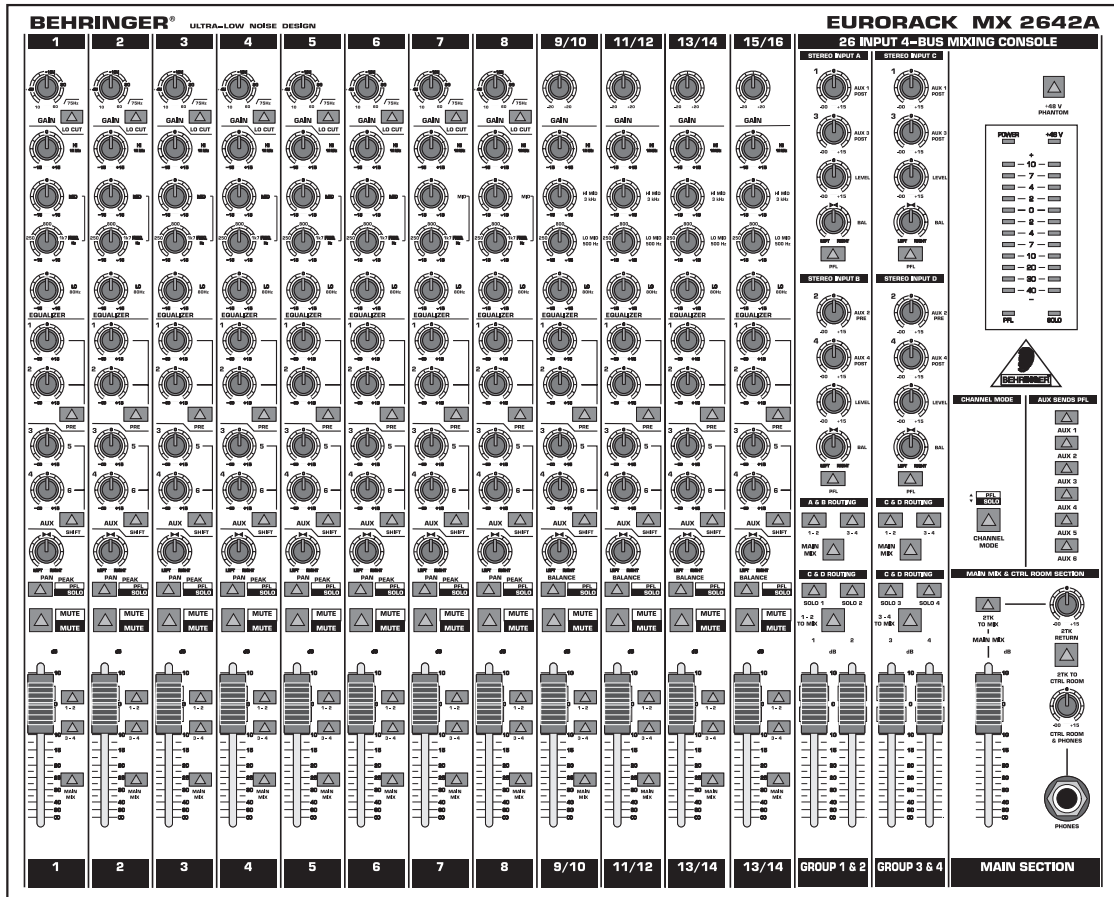


EUROACK® MX2642A

Technical Specifications

Version 1.0 May 2000

ENGLISH



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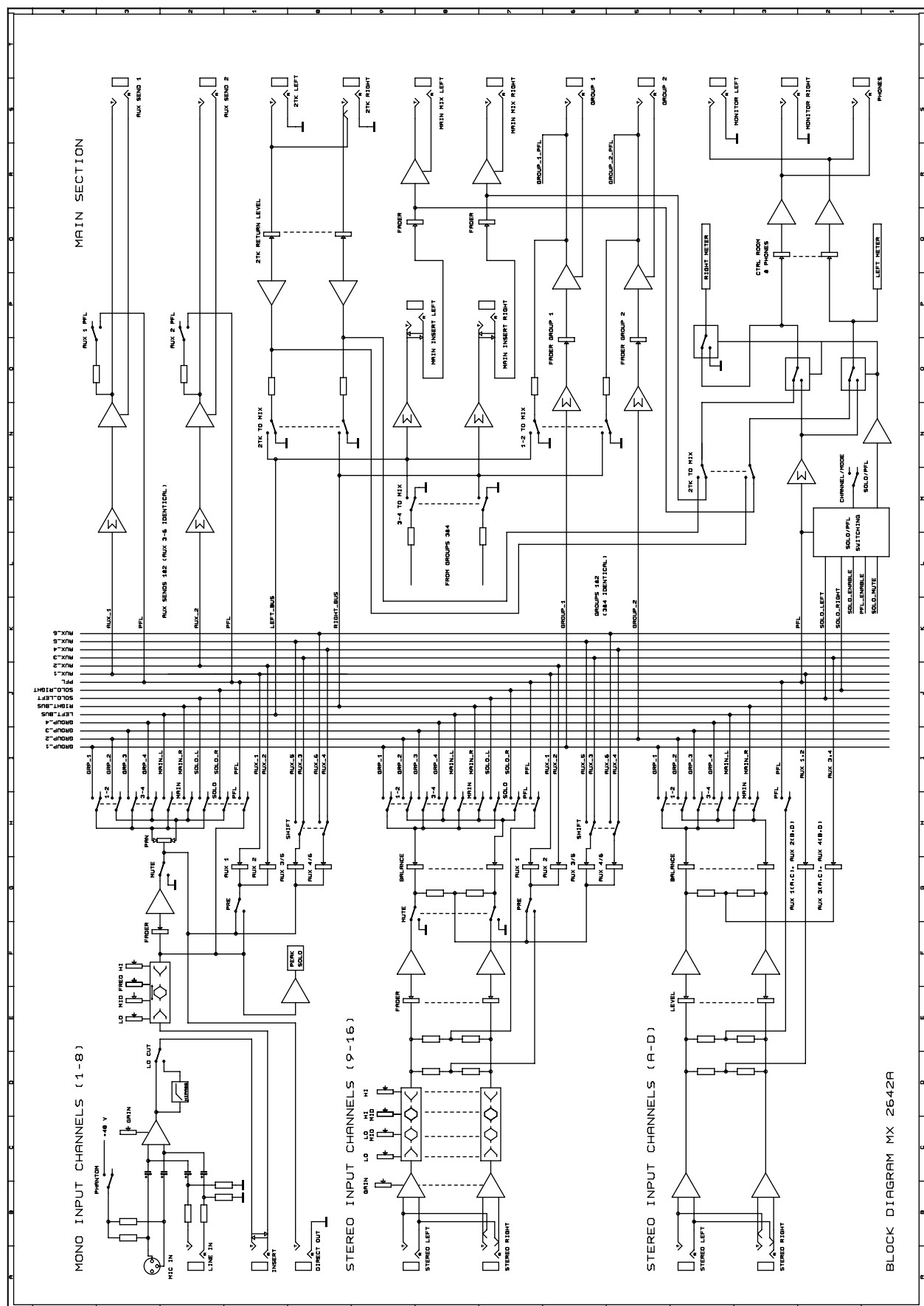
MX2642A

Ultra-low noise 26 channel, 4 bus mixer with assignable subgroups

- ▲ Ultra-low noise 26 channel 4 bus mixer
- ▲ Extremely high headroom – offering more dynamic range
- ▲ 4 assignable subgroups for multitracking/mixing
- ▲ 8 mono input channels with insert points and direct outputs
- ▲ Ultra-low noise discrete mic preamps with +48 V phantom power
- ▲ 4 stereo input channels
- ▲ 4 additional multifunctional stereo line inputs with aux sends
- ▲ 6 aux sends, with aux 1 & 2 switchable pre/post fader
- ▲ Ultra-musical 4-band EQ on stereo channels
- ▲ Parametric midrange EQ and switchable Low-Cut filter on mono channels
- ▲ Balanced inputs and outputs
- ▲ Solo In Place and Pre Fader Listen function
- ▲ Separate mix and monitor/headphones outputs with insert points on mix outputs
- ▲ 2 Track inputs assignable to main mix or monitor /headphones outputs
- ▲ High quality 60 mm laser-trimmed faders and sealed potentiometers
- ▲ State-of-the-art 4580 ICs and high quality components ensure crystal-clear audio performance and excellent noise figures
- ▲ Moveable connector panel for table-top or rack mounting
- ▲ Rugged construction ensures long life even under the most demanding conditions
- ▲ Manufactured under the ISO9000 certified management system

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BLOCK DIAGRAM



SPECIFICATIONS

INPUT CHANNELS

| | |
|-----------------------------|--|
| Mic Input | Electronically balanced, discrete input configuration |
| Mic E.I.N. (22 Hz - 22 kHz) | -129.0 dBu, 150 Ohm source -117.3 dBq, 150 Ohm source -132.0 dBu, input shorted -122.0 dBq, input shorted |
| Distortion (THD & N) | 0,007 % @ +4 dBu, 1 kHz, bandwidth 80 kHz |
| Gain Range | +10 dB to +50 dB |
| Max Input (Mic) | +12 dBu |
| Line Input | Electronically balanced |
| Gain Range | Unity to +40 dB |
| Max Input (Line) | +22 dBu |
| Channel Fader Range | +10 dB to -85 dB |
| Aux Send Gain Range | off to unity to +15 dB |

EQUALIZATION

| | |
|---------------------------|--|
| Hi Shelving | 12 kHz, +/- 15 dB, Q fixed at 2 oct. |
| Hi Mid Shelving | 3 kHz, +/- 15 dB, Q fixed at 2 oct. |
| Mid Sweep | 100 Hz - 8 kHz, +/- 15 dB, Q fixed at 1 oct. |
| Lo Mid Shelving | 500 Hz, +/- 15 dB, Q fixed at 2 oct. |
| Lo Shelving | 80 Hz, +/- 15 dB, Q fixed at 2 oct. |
| Lo Cut (High Pass) Filter | 75 Hz, 18 dB/oct. |

CHANNEL DIRECT OUT

| | |
|--------------------|---------|
| Max Output | +22 dBu |
| Noise @ Unity Gain | -94 dBu |
| Output Impedance | 120 Ohm |

CHANNEL INSERT

| | |
|------------------------------|----------------|
| Max In-/Out | +22 dBu |
| Channel to Channel Crosstalk | -95 dB @ 1 kHz |

SUBGROUP SECTION

| | |
|--------------------------|---|
| Noise | Bus noise @ fader 0 dB: -102.5 dBr (ref.: +4 dBu); -92.5 dBr (ref.: +4 dBu, 16 channels assigned and set @ unity gain) |
| Submaster Output Max Out | +22 dBu balanced/unbalanced |
| Fader Range | +10 dB to -85 dB/off |

MAIN MIX SECTION

| | |
|------------------------|--|
| Noise | Bus noise @ fader 0 dB: -101.0 dBr (ref.: +4 dBu); -92.5 dBr (ref.: +4 dBu, 16/20 channels assigned and set @ unity gain) |
| Max Output | +28 dBu balanced, +22 dBu unbalanced, 1/4" jacks |
| Aux Returns Gain Range | off to unity to +20 dB |
| Aux Send Max Out | +22 dBu |

GENERAL

| | |
|----------------------|--|
| Distortion (THD & N) | 0.007 % @ +4 dBu, 1 kHz, bandwidth 80 kHz |
| Frequency Response | 20 Hz - 40 kHz, +/- 1 dB any input to any output; 10 Hz bis 120 kHz, +/- 3 dB |

PHYSICAL

| | |
|------------------------|--|
| Dimensions (H * W * D) | 2.4" / 6" (61 / 152.4 mm) * 17.15" / 19" (435.6 / 482.6 mm) * 14" (355.6 mm) |
| Net Weight | 7.5 kg |

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