

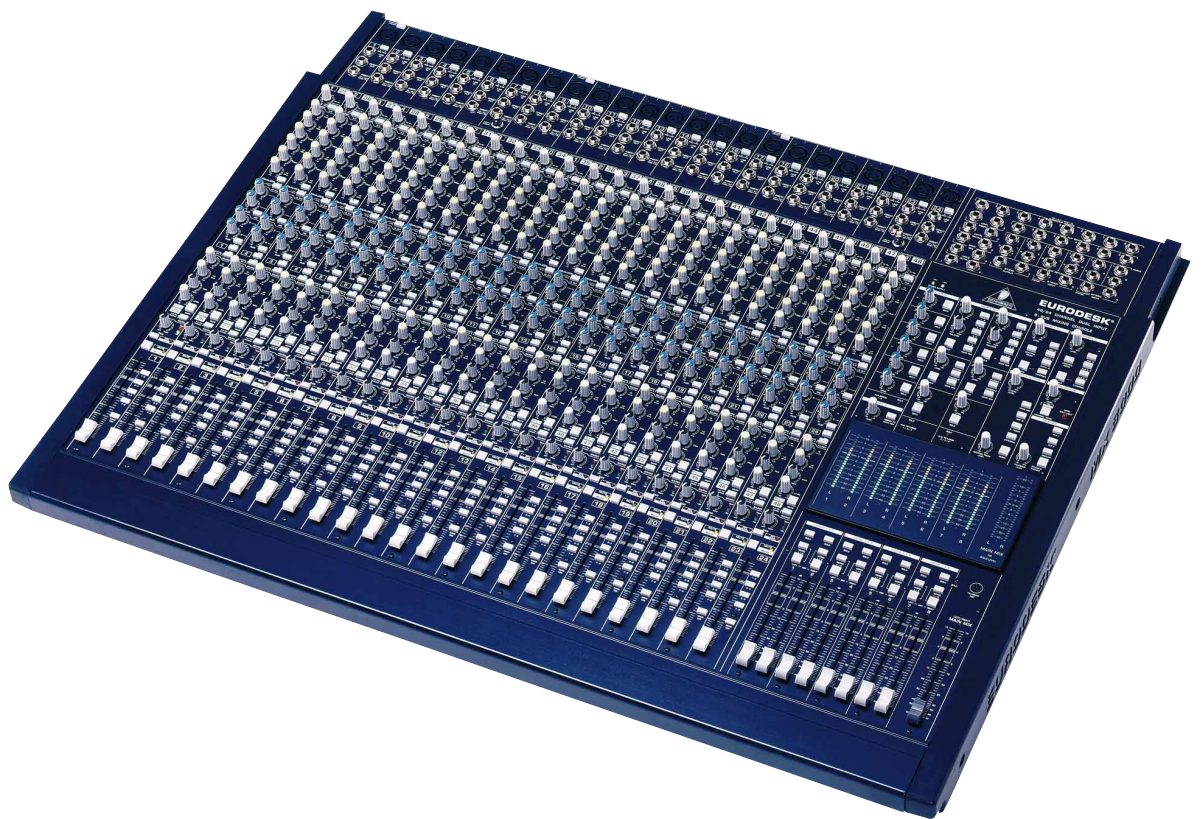
MX8000A

EURODESK®

Technical Specifications

Version 1.1 May 2000

ENGLISH



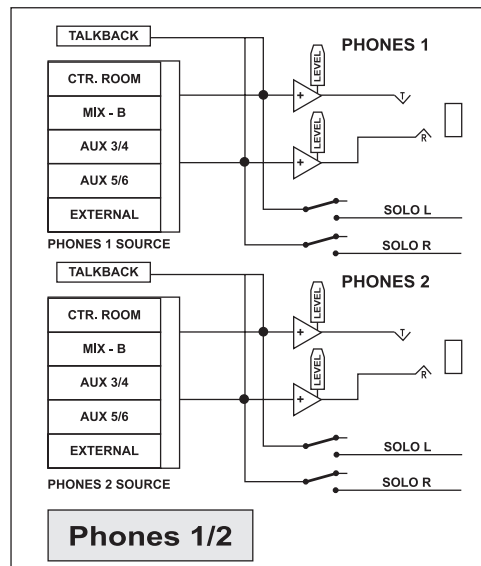
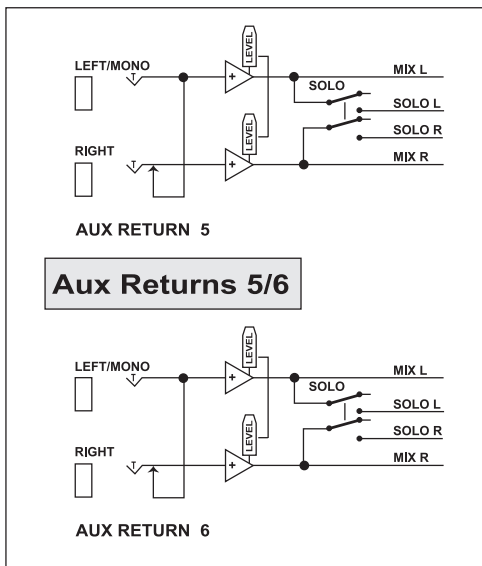
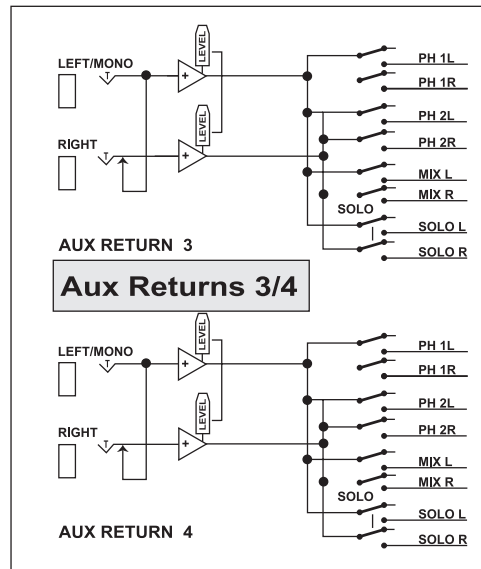
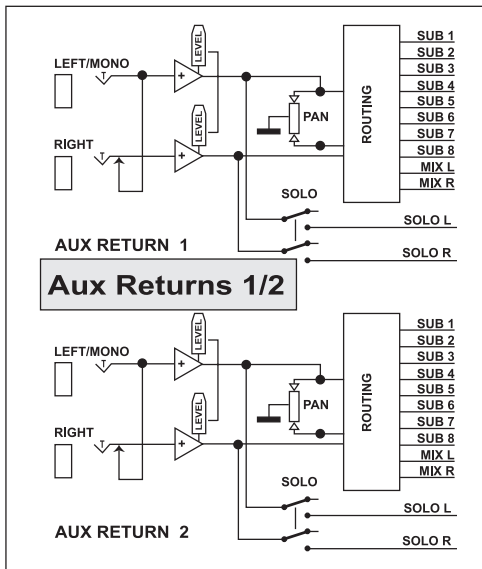
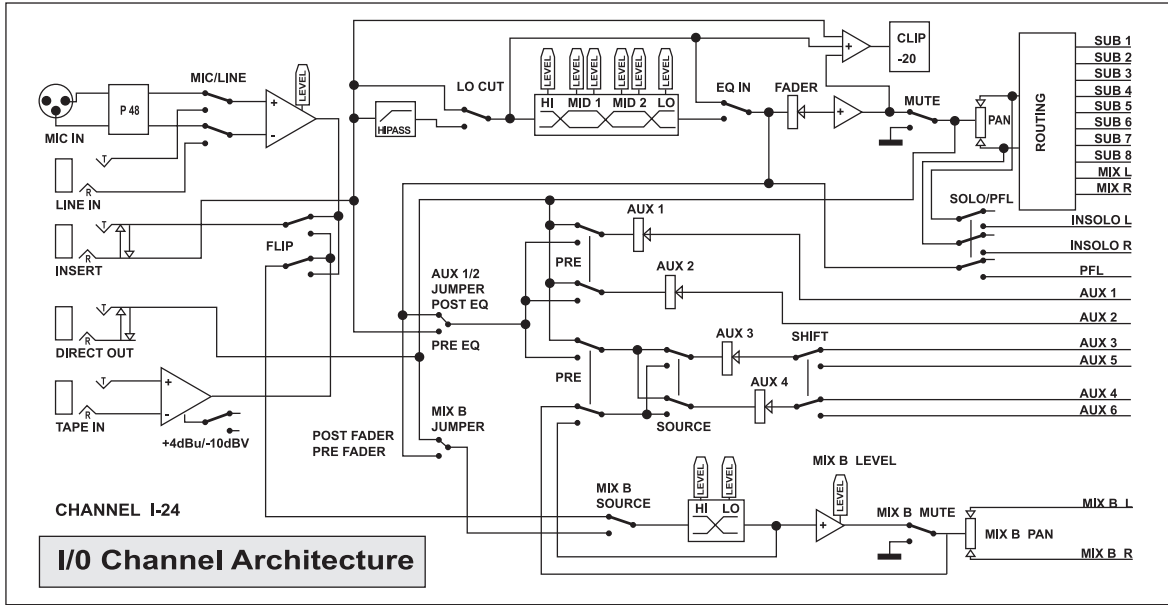
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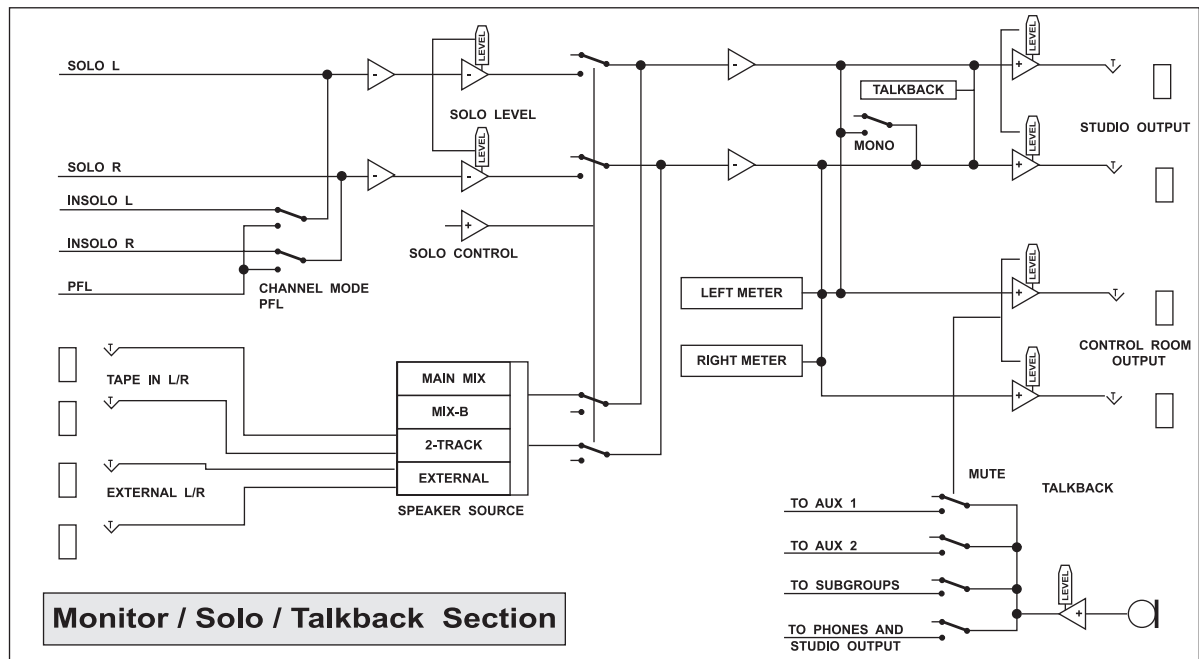
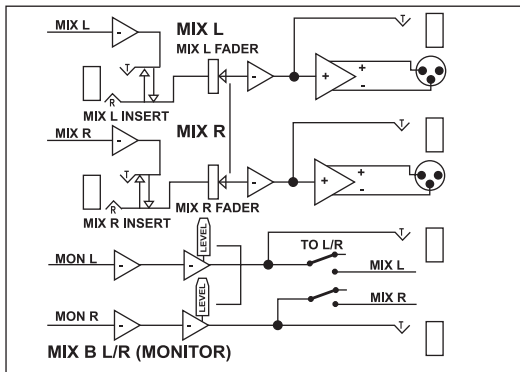
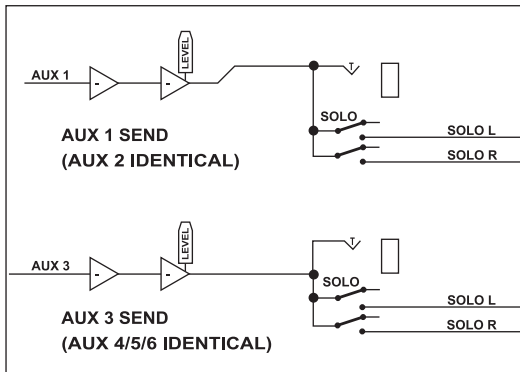
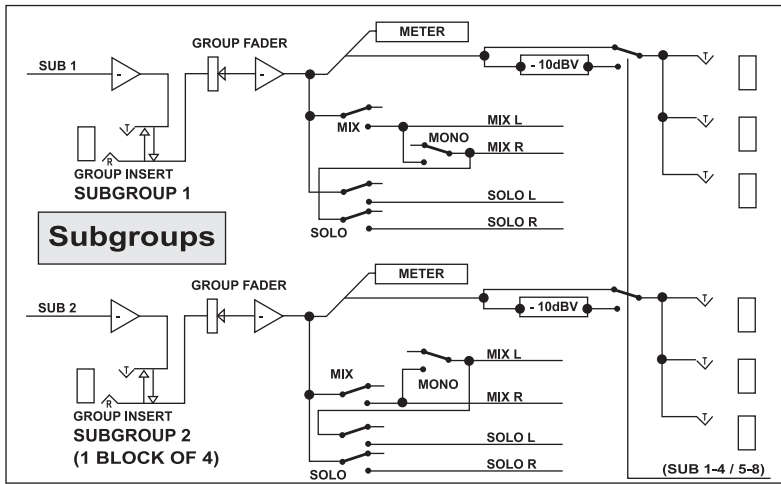
MX8000A

Professional 48/24 channel inline mixing console

- ▲ Additional 24 input Mix-B channels, all with individual 2-band EQ, level, pan and mute
- ▲ Dedicated 4-band EQ with 2 semi-parametric mid bands offering an extremely wide swept range from 50 Hz to 20 kHz
- ▲ Up to 6 assignable aux sends buses, all switchable pre- / post-fader
- ▲ 6 stereo aux returns with multiple routing options
- ▲ 8 subgroups simultaneously feed 24 multitrack outputs
- ▲ Optionally available meterbridge with meters for each channel and main mix, monitoring either the channel or the tape return signal
- ▲ +15 dB gain available on all aux sends and returns
- ▲ Highest quality discrete balanced mic preamps low-cut 100 Hz 12 dB/oct. and 48 V phantom power
- ▲ Balanced tape in / outs, switchable for -10 dBV or +4 dBu operation
- ▲ Channel, group and mix insert points
- ▲ 100 mm high-precision logarithmic, tapered faders, with big console performance
- ▲ Separate solo in place and PFL buses available
- ▲ 2 track tape monitoring with multiple routing options
- ▲ 2 separate headphone mixes and talkback facility with built-in microphone
- ▲ High-quality sealed rotary pot controls ensuring long lifetime and durability
- ▲ State-of-the-art op-amps and highest quality components for crystal clear audio performance
- ▲ BNC connectors for 12 V gooseneck lights
- ▲ Expander port providing universal 1/4" link facilities to any other console
- ▲ 400 Watts rugged external 19" power supply with superior transient response
- ▲ Manufactured under ISO9000 certified management system

BLOCK DIAGRAM





SPECIFICATIONS

Main channel strip

| | |
|------------------------------|--|
| Mic input | electronically balanced, discrete input configuration |
| Mic E.I.N. (22 Hz to 22 kHz) | -129.0 dBu, 150 Ohms source -117.3 dBqp, 150 Ohms source -132.0 dBu, input shorted -122.0 dBqp, input shorted |
| Distortion (THD & N) | 0.007 % at +4 dBu, 1 kHz, bandwidth 80 kHz |
| Gain range | +10 dB to +50 dB |
| Max. input | +12 dBu |
| Line input | electronically balanced |
| Gain range | unity to +40 dB |
| Max. input | +22 dBu |
| Channel fader range | +10 dB to -85 dB / off |
| Aux send gain range | off to unity to +15 dB |

Equalisation

| | |
|--------------|----------------------------------|
| Hi shelving | 12 kHz, +/- 15 dB |
| Hi mid sweep | 300 Hz to 20 kHz, +/- 15 dB |
| Lo mid sweep | 50 Hz to 3 kHz, +/- 15 dB |
| Lo shelving | 80 Hz, +/- 15 dB |
| Lo cut (HPF) | 100 Hz, 12 dB/oct. (butterworth) |

Channel direct out

| | |
|-------------------|--|
| Max. output | +22 dBu |
| Noise @unity gain | -94 dBu |
| Output impedance | 120 Ohms |
| Tape returns | bal./unbal. 1/4" jacks, globally switchable from +4 dBu to -10 dBV |

Channel insert

| | |
|------------------------------|----------------|
| Max. in/out | +22 dBu |
| Channel to channel crosstalk | -95 dB @ 1 kHz |

Mix B channel strip

| | |
|-------------|------------------------|
| Gain range | off to unity to +15 dB |
| Hi shelving | 12 kHz, +/- 15 dB |
| Lo shelving | 80 Hz, +/- 15 dB |

Subgroup section

| | |
|---------------------------|---|
| Noise | bus noise @ fader 0 dB: -102.5 dBr (ref. +4 dBu) -92.5 dBr (ref. +4 dBu, 24 chs. assigned (input B) & set @ unity gain) -94.5 dBr (ref. +4 dBu, 16 chs. assigned (input B) & set @ unity gain) |
| Submaster output max. out | +22 dBu balanced/unbalanced |
| Submaster insert max. out | +22 dBu |
| Submaster insert max. in | +22 dBu |
| 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, 24 chs. assigned (input B) & set @ unity gain) -94.5 dBr (ref. +4 dBu, 16 chs. assigned (input B) & set @ unity gain) |
| Max. output | +28 dBu balanced XLR, +22 dBu unbalanced 1/4" jacks |
| Aux returns gain range | off to unity to + 20 dB |
| Aux sends max. out | +22 dBu |

General

| | |
|----------------------|---|
| Distortion (THD & N) | 0.007 %, @ +4 dBu, 1 kHz, bandwidth 80 kHz below 0.02 %, 22 Hz to 22 kHz at normal operating levels, any input to any output, bandwidth 80 kHz |
| Frequency response | 20 Hz to 40 kHz, +/- 1 dB any input to any output 10 Hz to 120 kHz, +/- 3 dB -102.5 dBr (ref. +4 dBu) -92.5 dBr (ref. +4 dBu, 24 chs. assigned (input B) & set @ unity gain) -94.5 dBr (ref. +4 dBu, 16 chs. assigned (input B) & set @ unity gain) |

Power supply

| | |
|-----------------------|--|
| External power supply | 400 Watts, 19" (482.6 mm), 2.5 rack units, app. 8.3 kg |
|-----------------------|--|

Dimensions/weight

| | |
|------------------------|--|
| Dimensions (H * W * D) | app. 3.54/5.5" (90/140 mm) * 37" (940 mm) * 29.5" (750 mm) |
| Weight | app. 27.3 kg (without PSU) |

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