

MX9000

EURODESK®

Technical Specifications

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ENGLISH



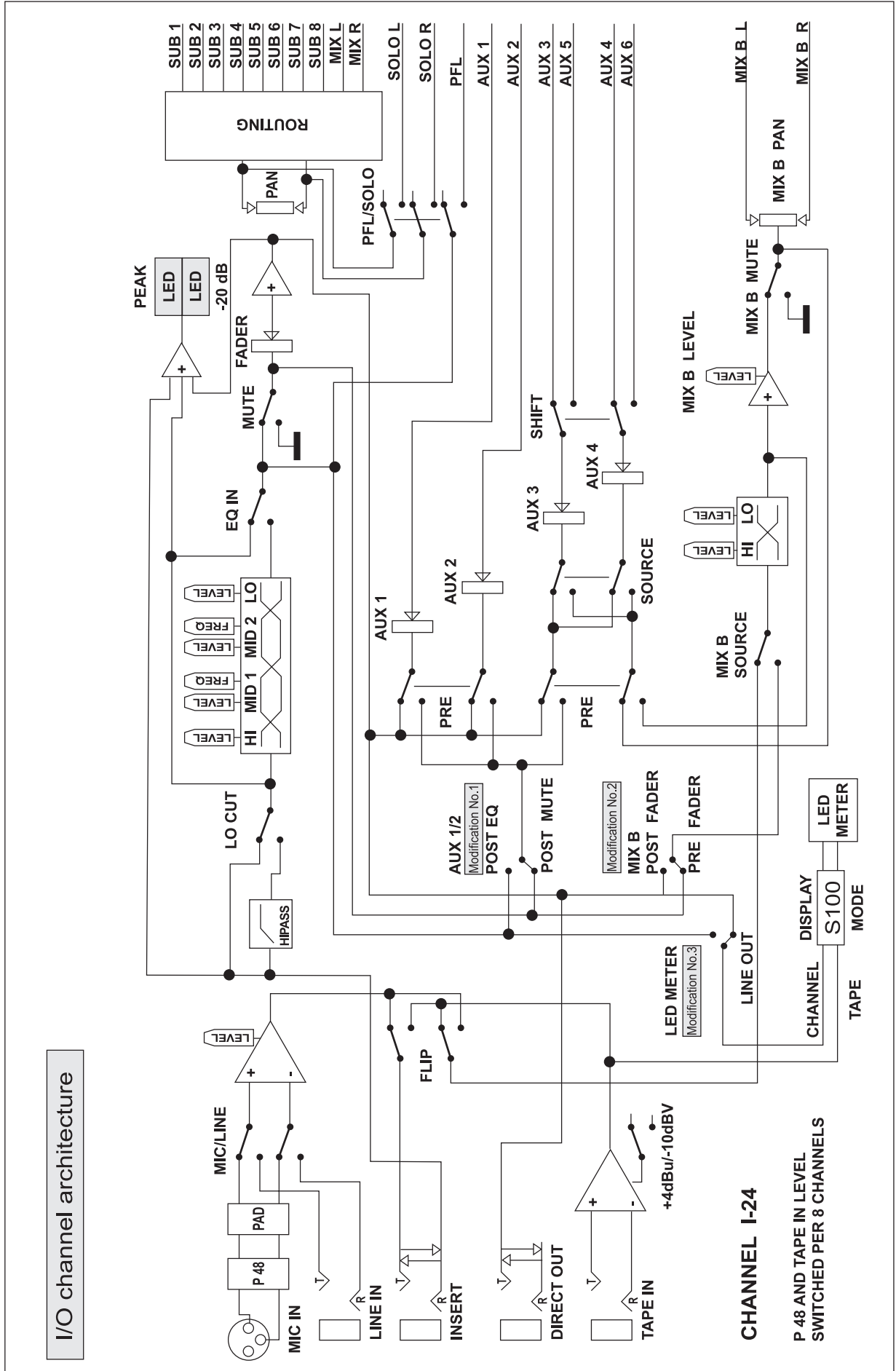
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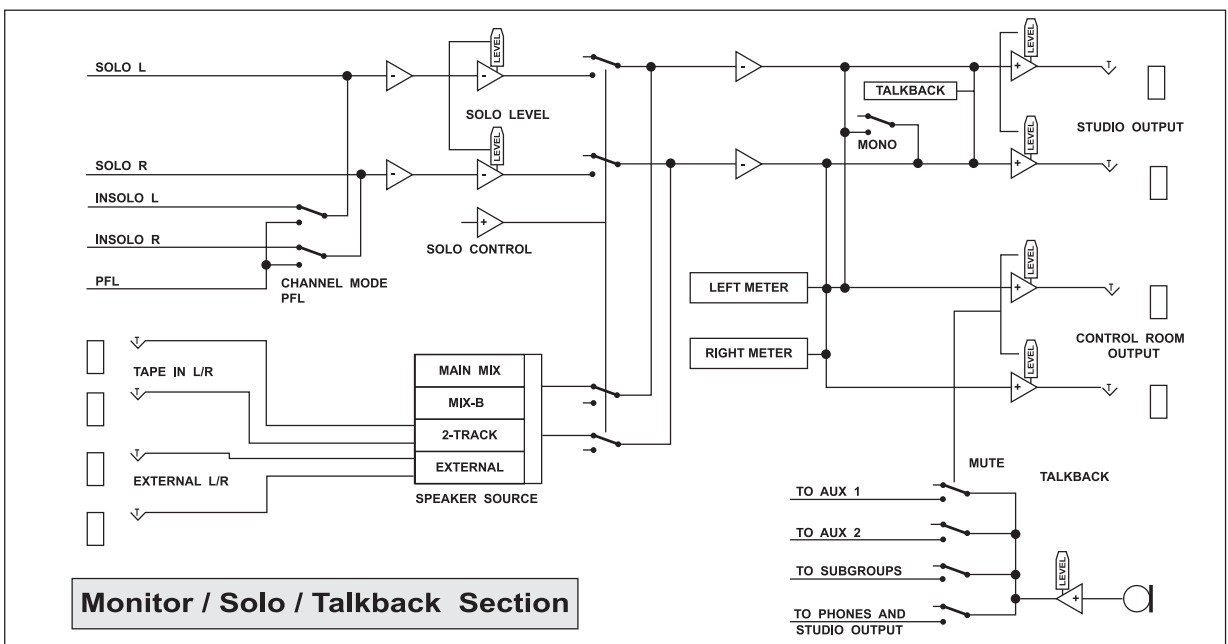
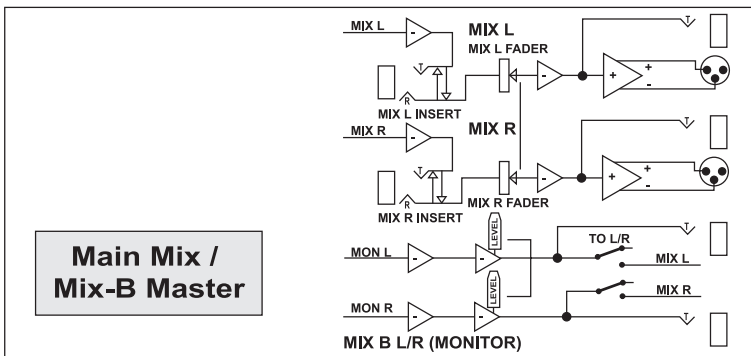
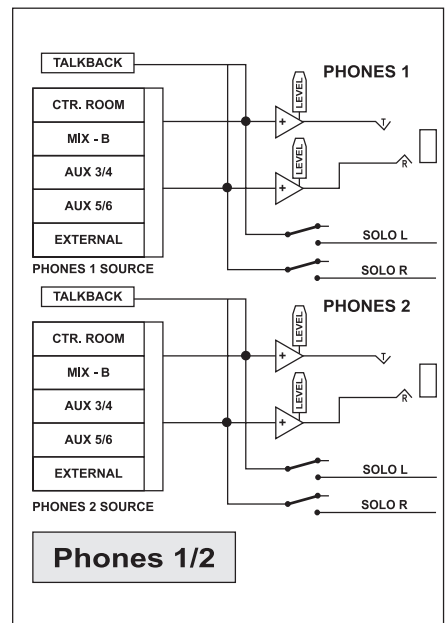
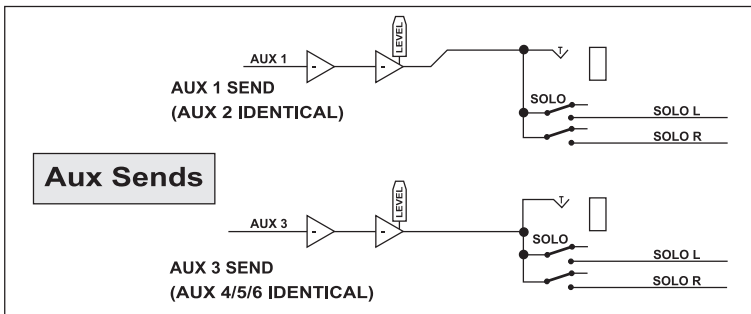
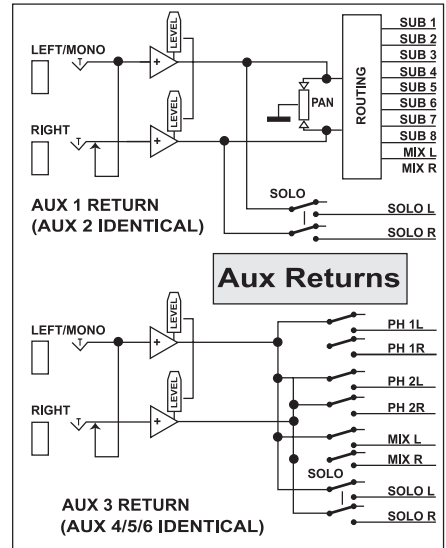
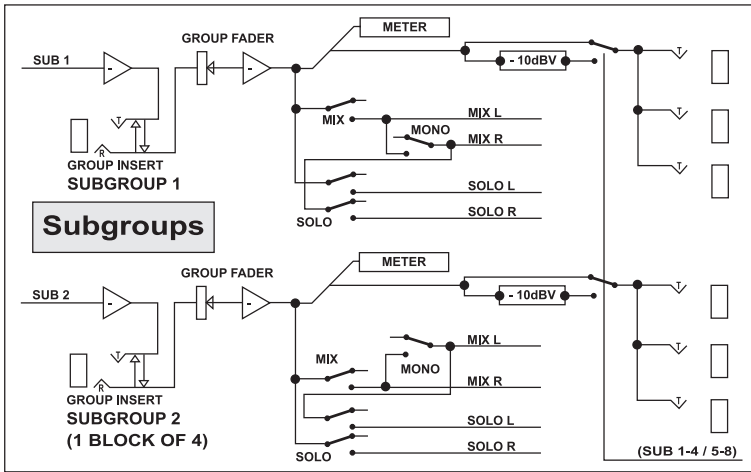
MX9000

Professional 48/24 channel inline mixing console with integrated meterbridge

- ▲ 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
- ▲ Built-in meterbridge with meters for each channel, subgroup 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 with -20 dB pad, 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 (+32 dBu @ PAD)
Line input	electronically balanced
Gain range	unity to +40 dB (-20 to +20 dB @PAD)
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)	75 Hz, 12 dB/oct.

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 dB (ref. +4 dBu) -92.5 dB (ref. +4 dBu, 24 chs. assigned (input B) & set @ unity gain) -94.5 dB (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 dB (ref. +4 dBu) -92.5 dB (ref. +4 dBu, 24 chs. assigned (input B) & set @ unity gain) -94.5 dB (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. 3.54/9.45" (90/240 mm) * 37" (940 mm) * 29.5" (750 mm)
Weight app. 30 kg (without PSU)

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BEHRINGER Spezielle Studiotechnik GmbH, Hanns-Martin-Schleyer-Str. 36-38, 47877 Willich-Münchheide II, Germany

Tel. +49 (0) 21 54 / 92 06-0, Fax +49 (0) 21 54 / 92 06-30
