

MX2442A

EURODESK®

Technical Specifications

Version 1.2 May 2002

ENGLISH



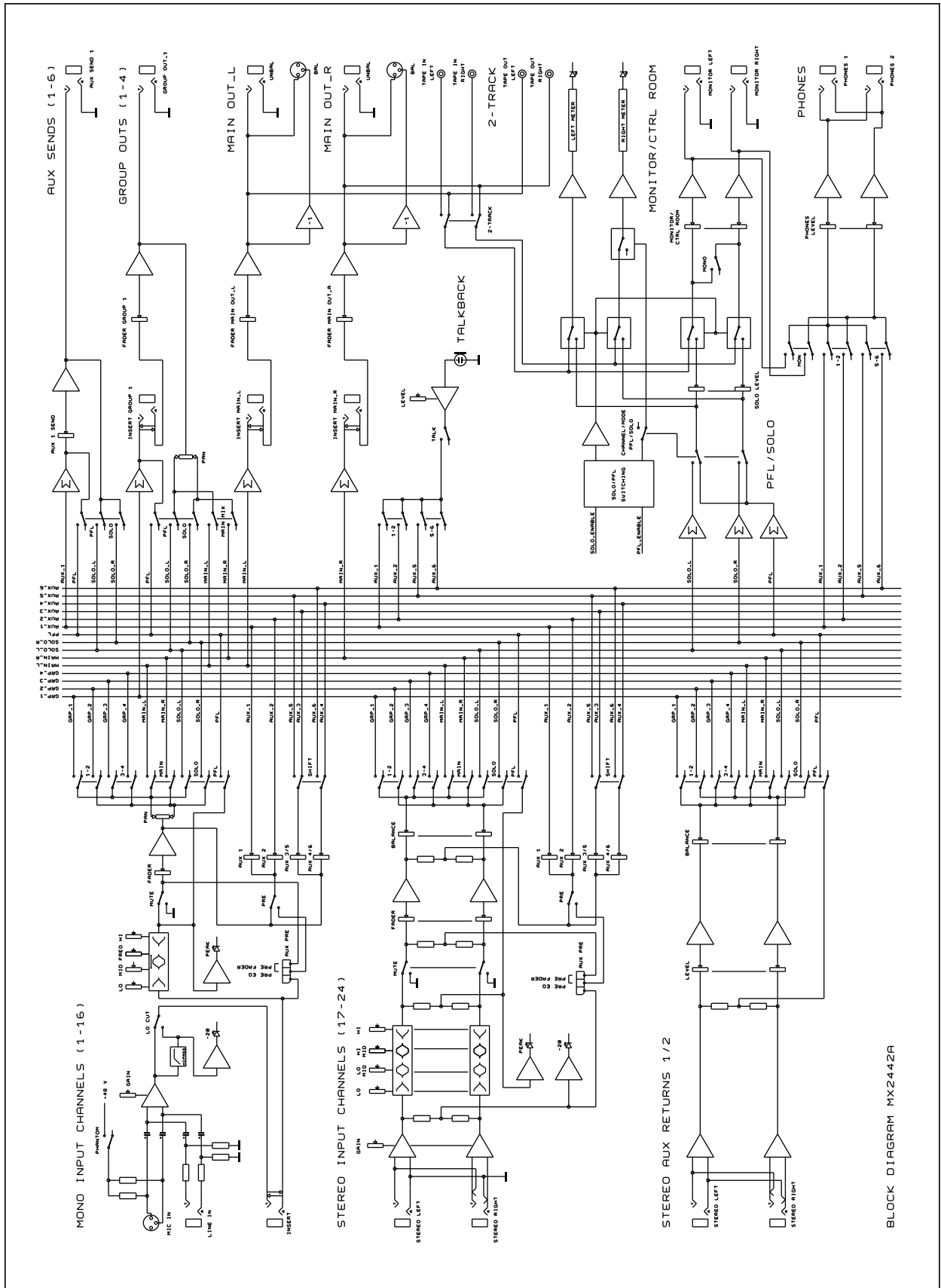
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EURODESK®

Professional, ultra low-noise design 24-channel 4-bus recording & live-mixing console

- ▲ 24 microphone/line inputs, 16 mono and 4 stereo
- ▲ Ultra low-noise, discrete microphone preamps with +48 V phantom power and switchable low-cut filter
- ▲ 24 balanced line inputs and 16 balanced XLR microphone inputs with gold-plated contact surface
- ▲ 4 subgroups equipped with independent pan pots, separate soloing, main mix switches and individual insert sockets
- ▲ 6 master aux sends with gain control and soloing function
- ▲ 2 multi-functional stereo aux returns featuring individual level and pan controls, solo and routing switches
- ▲ Ultra-musical original EURODESK 4-band EQ (stereo channels) and 3-band EQ with semi-parametric mids (mono channels)
- ▲ 2 pre/post fader switchable aux sends and 4 permanent post fader located aux sends for maximum flexibility of monitoring functions and effects routing
- ▲ Insert facility on all mono channels, subgroups and the main mix
- ▲ Clear and easy comprehensible design as split console, input and main sections divided
- ▲ State of the art 4580 ICs and high-quality components guarantee crystal-clear audio performance and excellent noise figures
- ▲ RCA sockets for 2-track recorders (input and output), input assignable to main mix or monitor section
- ▲ Extremely high headroom—offering more dynamic range
- ▲ External power supply design provides endless power resources, superior transient response and noise-free audio
- ▲ Balanced inputs and main mix outputs for highest possible signal quality
- ▲ LED indicators for Mute, Solo-In-Place and Pre-Fader-Listen functions
- ▲ Individual outputs for main mix, control room and headphones
- ▲ Extremely versatile headphones and talkback section
- ▲ High-precision, 8-digit LED metering device for input channels, main mix and subgroups
- ▲ Highest quality faders for main mix, channels and subgroups as well as sealed potentiometers
- ▲ BNC connector for 12 V gooseneck lights
- ▲ Extremely rugged construction ensures long life even under the most demanding conditions
- ▲ Manufactured under ISO9000 certified management system

BLOCK DIAGRAM



BLOCK DIAGRAM MX2442A

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 dBqp, 150 Ohm source 132.0 dBu, input shorted 122.0 dBqp, input shorted
Distortion (THD & N)	0,007% @ +4 dBu, 1 kHz, bandwidth 80 kHz
Gain range	+10 dB to +60 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	From "off" to "Unity" to +15 dB

Equalization

Hi shelving	12 kHz +/-15 dB, Q fixed at 2 oct.
Hi mid bell (Ch 17-24)	3 kHz +/-15 dB, Q fixed at 2 oct.
Mid sweep (Ch 1-16)	100 Hz - 8 kHz +/-15 dB, Q fixed at 1 oct.
Lo mid bell (Ch 17-24)	500 Hz +/-15 dB, Q fixed at 2 oct.
Lo shelving	80 Hz +/-15 dB, Q fixed at 2 oct.
Low-cut (high pass) filter	75 Hz, 18 dB/oct.

Channel insert

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

Subgroup section

Noise	Bus noise @ fader 0 dB: -105.0 dBr (ref.: +4 dBu); -92.0 dBr (ref.: +4 dBu, all input channels assigned, Unity gain, channels muted); -87.0 dBr (ref.: +4 dBu, all input channels assigned, Unity gain)
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Submaster output

Max. output	+22 dBu balanced/unbalanced
Fader range	+10 dB to -85 dB

Main mix section

Noise	Bus noise @ fader 0 dB: -102.0 dBr (ref.: +4 dBu); -92.0 dBr (ref.: +4 dBu, all input channels assigned, Unity gain, channels muted); -87.0 dBr (ref. +4 dBu, all input channels assigned, Unity gain)
Max output	+28 dBu balanced, +22 dBu unbalanced

Aux returns

Gain range	From "off" to "Unity" to +20 dB
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Aux sends

Max. output	+22 dBu
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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 -120 kHz +/-3 dB

Physical dimensions

(H x W x D) Mixer	approx. 2 1/8" / 3 13/16" x 28 3/8" x 19 1/2" (approx. 54 / 97 mm x 720 mm x 495 mm)
Weight	approx. 12 kg
(H x W x D) Power Supply Unit	approx. 3 1/2" x 17 1/8" x 9 3/4" (approx. 86 mm x 435 mm x 246 mm)
Weight	approx. 7 kg

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