

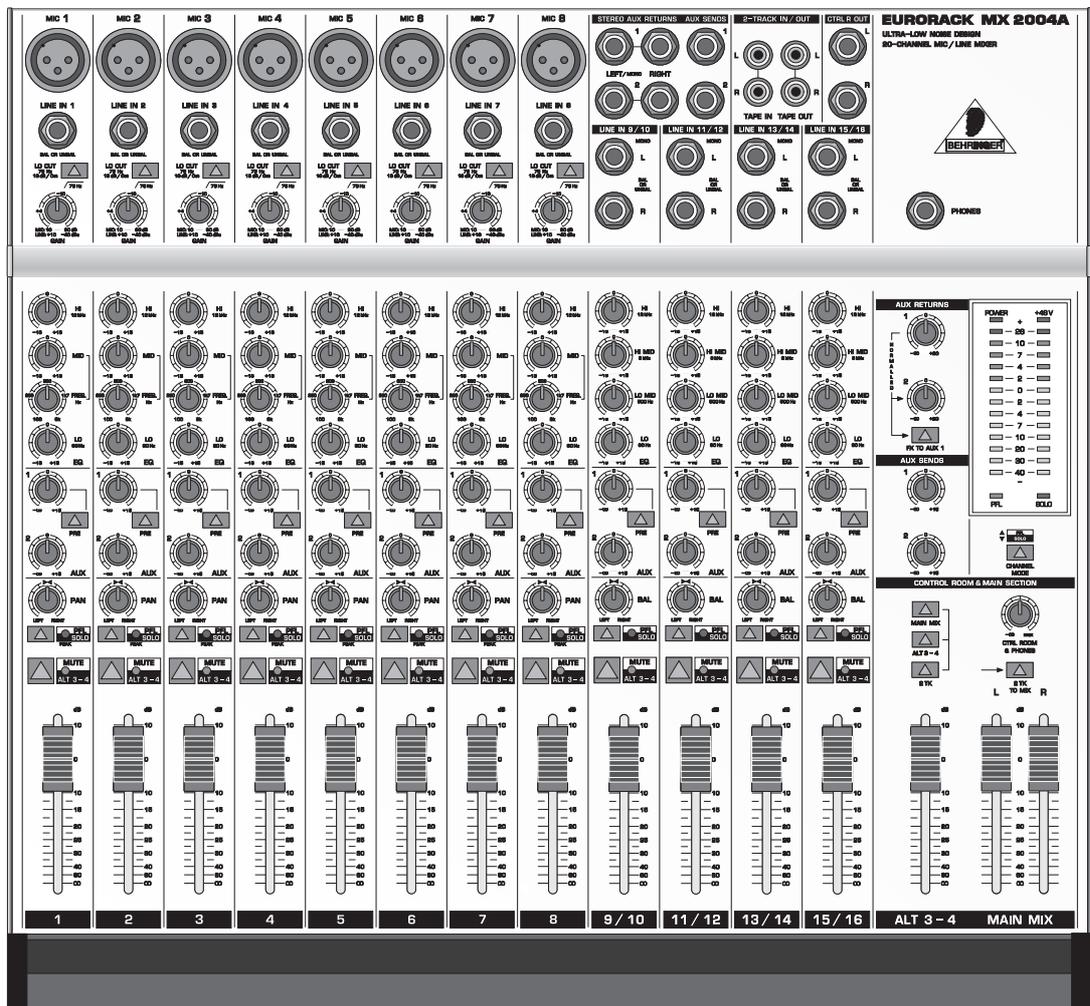
MX2004A

EURO-RACK®

Technical Specifications

Version 1.1 May 2000

ENGLISH



www.behringer.com

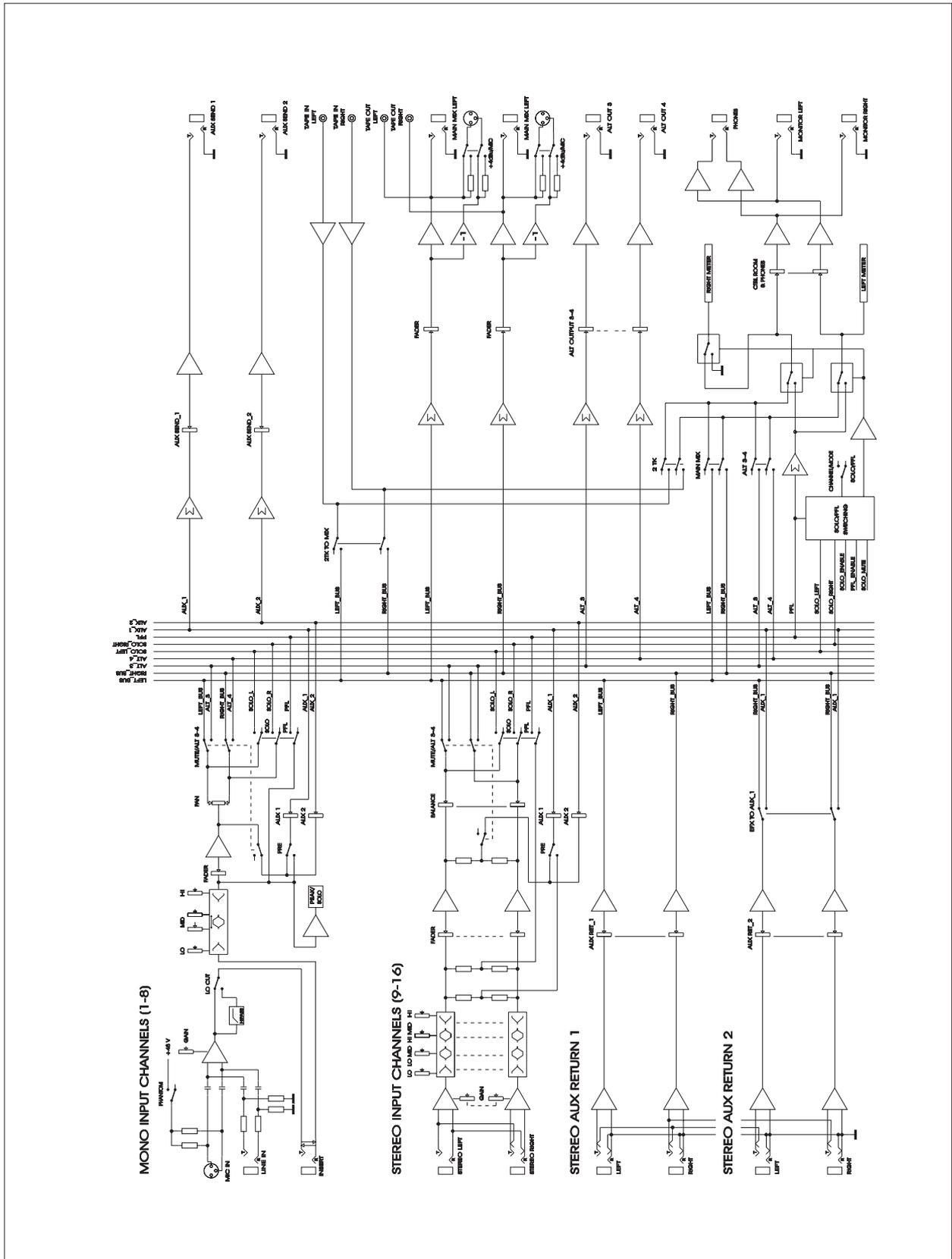
MX2004A

Ultra-Low Noise 20 Channel, 4-Bus Mic/Line Mixer

- ▲ 8 mono input channels with gold plated XLRs
- ▲ 4 stereo input channels
- ▲ 2 additional multi-functional stereo Aux Returns
- ▲ Pre and post-fader Aux Sends for external effects and monitoring
- ▲ Master Aux Sends with gain control
- ▲ Extremely high headroom – offering more dynamic range
- ▲ Ultra-low noise discrete Mic pre-amps with +48 V Phantom Power
- ▲ Balanced inputs and Main outputs
- ▲ Peak LEDs and switchable Low Cut filter on all mono channels
- ▲ Ultra-musical 3-band EQ on all channels
- ▲ Mute / Alt 3-4, Solo-In-Place and Pre-Fader-Listen function on all channels
- ▲ Separate Main Mix, Control Room and Headphone outputs
- ▲ 2-Track inputs assignable to Main Mix or Control Room / Headphone outputs
- ▲ Highly accurate Bargraph Meters on output
- ▲ High quality faders and sealed potentiometers
- ▲ Rugged design power supply ensures superior transient response
- ▲ State-of-the-art 4580 ICs and high quality components ensure crystal-clear Audio Performance and excellent noise figures
- ▲ Rugged construction ensures long life even under the most demanding conditions
- ▲ Manufactured under ISO9000 certified management system

EURO
ROCK
RA
CK

BLOCK DIAGRAM



SPECIFICATIONS

Input channels

| | |
|-----------------------------|--|
| Mic input | electronically balanced, discrete input configuration |
| Mic E.I.N. (22 Hz - 22 kHz) | -129.5 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% at +4 dBu, 1 kHz, Bandwidth 80 kHz |
| Gain range | +10 dB to +60 dB |
| Max input (Mic) | +12 dBu |
| Line input | electronically balanced |
| Sensitivity range | +10 dBu to -40 dBu |
| Max input (Line) | +22 dBu |
| Channel fader range | +10 dB to -85 dB |
| Aux Send gain range | off to +15 dB |

Equalization

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

Main Mix Section

| | |
|------------------------|--|
| Noise | bus noise, fader 0 dB, channels muted: -100.0 dBr (ref.: +4 dBu), fader 0 dB, all input channels assigned and set to Unity Gain: -88.5 dBr (ref.: +4 dBu) |
| 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 %, at +4 dBu, 1 kHz, bandwidth 80 kHz below 0.02 %, 22 Hz - 22 kHz normal operating levels, any input to any output, bandwidth 80 kHz |
| Frequency Response | 10 Hz - 120 kHz +/- 3 dB, any input to any output |

Physical

| | |
|------------------------|---|
| Dimensions (H * W * D) | app. 1 1/2" / 3 1/2" (40 / 90 mm) * 16 1/4" (410 mm) * 15 1/4" (385 mm) |
| Net Weight | app. 5.4 kg (PSU not included) |

The information contained in this sheet is subject to change without notice. No part of this sheet may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording of any kind, for any purpose, without the express written permission of BEHRINGER Spezielle Studioteknik GmbH.

BEHRINGER and EURORACK are registered trademarks. ALL RIGHTS RESERVED.

© 2000 BEHRINGER Spezielle Studioteknik GmbH.

BEHRINGER Spezielle Studioteknik 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
