



LYNGDORF MXA-8400

8-CHANNEL POWER AMPLIFIER

A NEW BENCHMARK

The MXA-8400 is the most powerful product from Lyngdorf Audio ever, delivering 8 x 400 watts of ultra-linear and stable power. It incorporates Purifi EIGENTAKT technology with the innovative EIGENTAKT ErrorCorrection (EEC), Lyngdorf Audio's highly efficient and advanced power supply PowerPerfect, ultra-low-noise and precise analog input stages, and a 4-layer main PCB optimized for the best signal purity and grounding. With this range of features, the MXA-8400 sets new amplifier benchmarks in audio quality, measured performance, and reliability.

PURIFI EIGENTAKT WITH EEC

Purifi EIGENTAKT technology is the result of extensive research addressing persistent challenges in Class D amplifiers. The patented EIGENTAKT ErrorCorrection (EEC) ensures ultra-high, full-output loop gain (>75dB) in the entire audio band. This produces extremely low Total Harmonic Distortion (THD) at any frequency and any power level, as well as unrivaled low Inter Modulation Distortion (IMD), leading to a highly resolved and stable stereo image unmatched by any amplifier technology or operating class. The result is an incredibly neutral sound performance, with negligible audible noise and no sonic fingerprint.

HIGHLY EFFICIENT POWERPERFECT POWER SUPPLY

8 Purifi amplifiers with a combined 3.2 kilowatts of output power and even higher peak power represent extremely high challenges for the power supply, which is often a limiting factor with common multichannel amplifiers. PowerPerfect by Lyngdorf Audio is a highly efficient and advanced power supply. With its integrated Channel Balancing Technology and several protection systems, it provides the best basis for each channel, even with all channels driven. It is so power-efficient and has such a low idle power consumption that the enclosure sufficiently becomes the heatsink, with no noisy fans required. The mains power is decoupled by design, requiring no external power conditioner. It safe-

guards the speakers from mains-generated noise, represents a gentle load to the mains, and does not introduce noise to other equipment.

BEST-IN-CLASS PERFORMANCE

Thanks to Purifi EIGENTAKT combined with PowerPerfect, the performance of the MXA-8400 is maintained across all volume levels and the entire audio frequency range. Even when operating over its maximum specifications, clipping in the output stage will be recovered in both voltage and current domains. It is immune to out-of-band noise on the input signal and insensitive to difficult speaker loads, always maintaining a flat frequency response. The output channels are bridgeable, delivering up to 4 x 800 watts to drive even the most demanding loudspeakers effortlessly.

DESIGNED, ASSEMBLED, AND 24H TESTED AT LYNGDORF AUDIO, DENMARK

The MXA-8400 is assembled to the highest quality standards at Lyngdorf Audio in Denmark, where each unit must pass a 24-hour test with all channels driven and must be measured to meet all specifications. This ensures the ultimate performance and highest reliability.

HIGHLIGHTS

- 8 x 400 watts of ultra-linear and stable power
- Best-in-class performance across all levels, frequencies, and speaker loads
- Purifi EIGENTAKT technology with EEC
- PowerPerfect power supply



SELECTED SPECIFICATIONS

Description:	8-channel power amplifier
Power rating:	8 x 400 W @4Ω (2-CHANNEL mode) 8 x 200 W @8Ω (2-CHANNEL mode) 4 x 800 W @8Ω (BRIDGE mode)
Power rating at rated THD:	8 x 340 W @4Ω (2-CHANNEL mode) 8 x 200 W @8Ω (2-CHANNEL mode)
Idle power consumption:	29 W
Standby power consumption:	<0.5W
Time to standby mode:	15 minutes (at no input signal, in LOW POWER mode)
Frequency response:	±0.1dB (ref. 20Hz-20kHz)
THD:	0.001% @200 W, 8Ω / 340 W, 4Ω, 20Hz-20kHz 0.0006% @10 W, 4Ω, 20Hz-20kHz, LOW Sensitivity mode 0.0007% @10 W, 4Ω, 20Hz-20kHz, HIGH Sensitivity mode
Max output current per channel:	25A
Max output voltage per channel:	58V peak (2-CHANNEL mode) 116V peak (BRIDGE mode))
Gain:	HIGH Sensitivity mode: 26.1 dB (2-CHANNEL mode) 31.7 dB (BRIDGE mode) LOW Sensitivity mode: 16.6 dB (2-CHANNEL mode) 22.2 dB (BRIDGE mode)
Signal/noise ratio:	128dB (A-weighted ref. rated power, LOW Sensitivity mode)
Damping factor:	>1200 (8 Ω, 20Hz-1kHz)
Input sensitivity:	HIGH Sensitivity mode: 2V LOW Sensitivity mode: 6V
Input impedance:	10 kΩ
Audio inputs:	8 x XLR analog inputs
Audio outputs:	8 x Neutrik speakON
Dimensions (W x H x D):	45 x 14.5 x 34.9 cm 17.7 x 5.7 x 13.7 inches
Weight:	10.3 kg 22 lb
Finish:	Matte black
Item no:	900010406