



Digitally controlled 2-way active speaker

When we designed the LuXor X loudspeakers our main objectives were high efficiency, high fidelity and high acoustic performance. To achieve our very ambitious goals we used technical solutions such as advanced digital circuits and signal processors, professional loudspeakers, the latest electronic and acoustic design software, correction capabilities, measurement technologies, but also artificial intelligence which greatly assisted the design process. The x4 loudspeaker's sound dynamics, linearity and ultra-low distortion confidently outperforms the standard in its price range, all in a color and look to match any interior design mood.

Flexible digital parameters

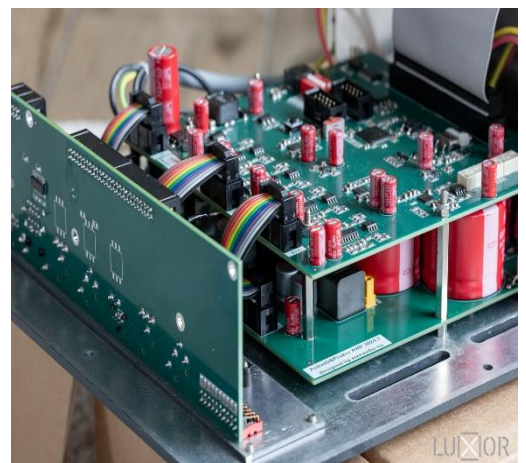
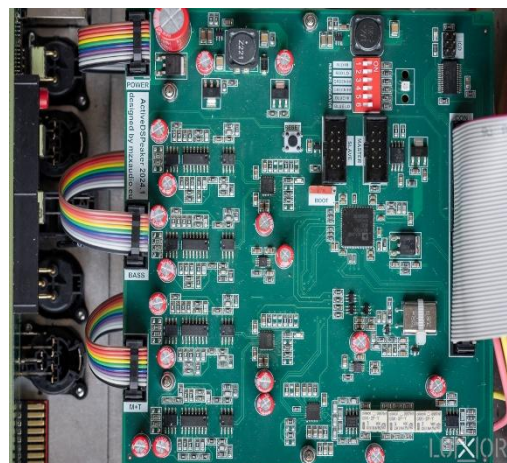
Our loudspeakers can be tailored to the environment but their technical operation can also be flexibly adapted to the application and site conditions using state-of-the-art digital technology. Technical parameters, transmission coefficients, signal levels and tone colors can be adjusted on-site by means of instrumental measurements taking into account the acoustic characteristics and the user's individual requirements. The data of the generated sound images can be store in a digital memory of the loudspeaker and recallable at any time. The software of the digital unit can be updated and modified even by remote connection.

Full customization

With its built-in analogue and digital connections and free settings options the LuXor x4 speaker can meet the highest demands of home and professional users in a wide range of technical situations and environments, whether listening to music, watching movies or audio studio working.



- 3 way active amplification
- DSP digital control
- XLR and RCA analog inputs
- S/PDIF, AES/EBU digital connection
- 600 W built-in power
- High efficiency, low consumption
- Vibration damped design
- Tuned bass reflex cabinet
- High acoustic performance
- Customizability
- Sonic presets
- 3 choice of colors and veneer
- On-site calibration
- 3-year warranty



Analog input (balanced XLR)	6 Veff / 2000 kΩ
Analog input (single-ended RCA)	2,5 Veff / 50 kΩ
ADC chipset	Asahi Kasei AK5554
DAC Chipset	Asahi Kasei AK4454
Digital input	S/PDIF Toslink, coaxial RCA 75 Ω, AES/EBU XLR 110 Ω
Digital sampling frequency max.	32, 44.1, 48, 88.2, 96, 192 kHz PCM
Digital signal processor	ADI Sigma Sharc DSP (300 MHz)
Signal/noise ratio (SNR)	110 dB
Frequency response	26 – 22.000 Hz (+/-3 dB, 1m)
Total harmonic distortion (THD)	0.11 % (1 kHz), <0,5 % (20 - 20k Hz)
Amplifiers	Class-D (3 blocks)
Continuous Output Power	100 W (HF) + 250 W (MF) + 250 W (LF) RMS
Overall music power	600 W (peak to peak)
Protection	Overtemperature, clipping
Power Entry	Neutrik PowerCon
LF - bass driver	Ø25x2 cm speakers, neodymium magnet, 2x600 W
MF - mid driver	Ø15 cm speaker, neodymium magnet, 300 W
HF - high driver	Ø2.6 cm dome tweeter, titanium voice coil, 180 W
Dimensions (height x width x depth)	120 x 31 x 38 cm
Total weight	52 kg
Exterior finish	Cherry, walnut, wenge natural veneer

