



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 x2 speaker's tonal neutrality, linearity and ultra-low distortion confidently outperforms the price range, all in a colour and look to match any interior design mood.

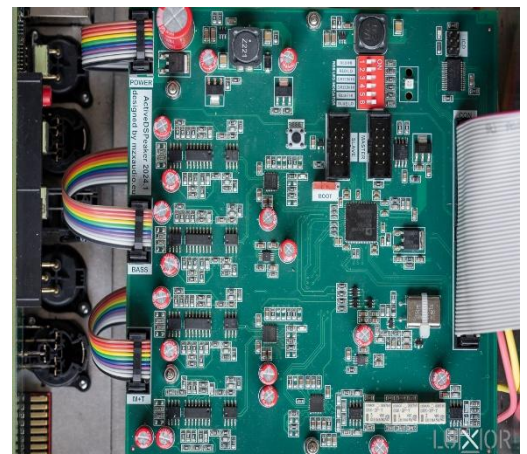
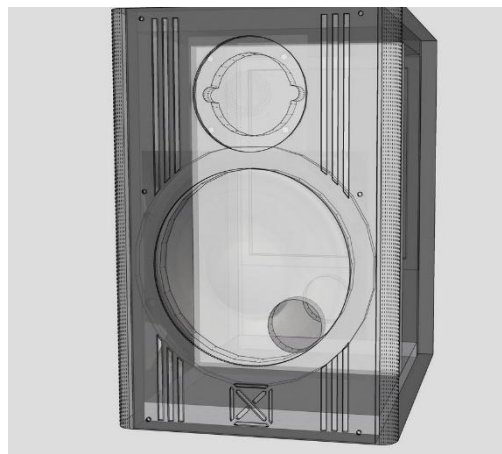
Flexible digital parameters

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 x2 loudspeaker can meet the high demands of home and professional users in a wide range of technical situations and environments, whether listening to music, watching a movie or audio studio working.

- 2 way active amplification
- DSP digital control
- Symmetrical analog input/output
- S/PDIF, AES/EBU digital connection
- 350 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)	10 / 5 / 2 / 1 Veff / 100kΩ
ADC chipset	ESS Sabre ES9821Q Hyperstream II
Analog output (balanced XLR)	10 / 5 / 2 / 1 Veff / 100kΩ
DAC Chipset	ESS Sabre ES9039Q2M HyperStream IV
Digital input	S/PDIF Toslink, RCA 75Ω, AES/EBU XLR 110Ω
Digital sampling frequency max.	192 kHz PCM
Digital output	AES/EBU XLR 110Ω
Digital signal processor	ADI Sigma Sharc DSP (300 MHz)
Signal/noiseratio (SNR)	130 dB
Frequency response	35Hz - 22kHz (+/-3dB, 1m)
Total harmonic distortion (THD)	0.16 % (1 kHz), <0,5 % (20 - 20k Hz)
Amplifiers	Class-D (2 blocks)
Continuous Output Power	100 W (HF) + 250 W (LF) RMS
Overall music power	380 W (peak to peak)
Protection	Overtemperature, clipping
Power Entry	Neutrik PowerCon
LF - bass driver	Ø20 cm speakers, neodymium magnet, 300 W
HF - high driver	Ø2.6 cm dome tweeter, titanium voice coil, 180 W
External dimensions (height x width x depth)	40 x 27 x 38 cm
Total weight	18 kg
Exterior finish	Cherry, walnut, wenge natural veneer

