



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.

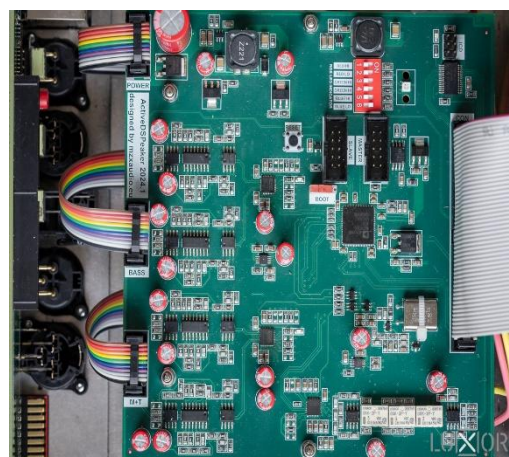
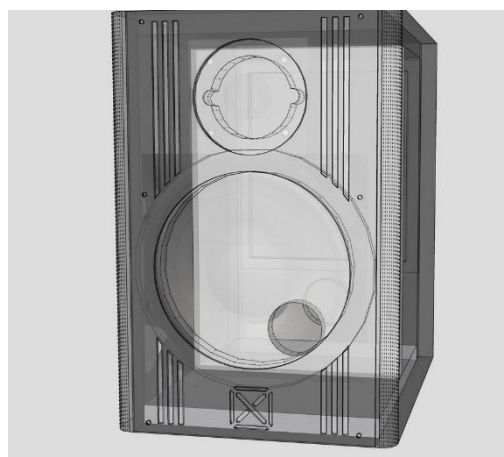
Flexible digital parameters

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 colours 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 customisation

With its built-in analogue and digital connections and free parameterisation 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
- Four different sounds
- Free choice of colours
- On-site calibration, remote control
- 3-year technical warranty





1. DIP switches (Sensitivity, Baffle Step Compensation, DSP Sound Presets, operating mode switching)
2. Analog input (XLR, mono)
3. Analog output (XLR, mono)
4. Digitális S/PDIF input (RCA 75 Ω) (Left/Right)
5. Digitális S/PDIF input (optical) (Left/Right)
6. Digitális AES/EBU input (XLR, 110 Ω) (Left/Right)
7. Digitális AES/EBU output (XLR, 110 Ω)
8. LuXor Link LAN connectors
9. USB 2.0 connection (only for service functions, software upgrade)
10. Mains connector (Schurter IEC C14)
11. Mains switch
12. Operating mode and protection status LED (Off, bypass, On, Protect)



Cherry veneer



Walnut veneer



Wenge veneer

Analog input sensitivity	10Veff / 5Veff / 2Veff / 1Veff (selectable)
Analog input impedance	100 kΩ
ADC chipset	ESS Sabre ES9821Q Hyperstream II
ADC sample rate	96 kHz
Analog output level	10 Veff / 5Veff / 2Veff / 1Veff (selectable)
Analog output impedance	100Ω

Digital inputs	Toslink optical, S/PDIF RCA 75Ω, AES/EBU XLR 110Ω
Digital max sample rate	192 kHz PCM
DNR	139 dB
DAC Chipset	ESS Sabre ES9039Q2M HyperStream IV
Digital Output	AES/EBU (XLR 110Ω)

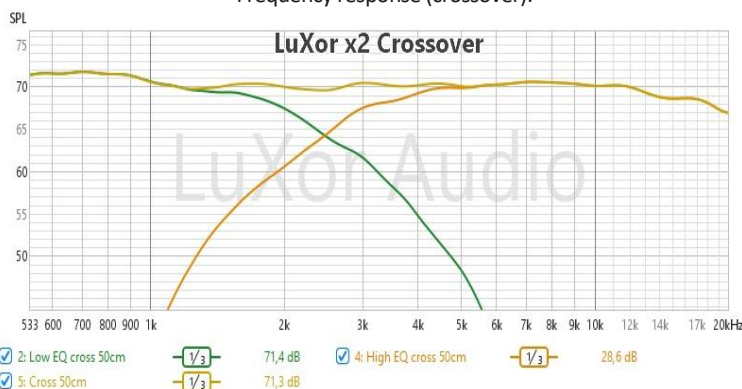
Digital signal processor	ADI Sigma Sharc DSP (300 MHz)
Number of Presets	4 (LR24 / B12 crossover / LuXor Spec / User)
DNR	130 dB
Frequency response	37Hz - 22kHz (+/-3dB @1m full space, on-axis)
THD	0.15 % (1 kHz) <0,5 %

Amplifiers	Class-D (3 blokk)
Continuous Output Power	100 W (HF) + 250 W (LF) RMS
Overall music power	380 W (peak to peak)
Idle power consumption	5 W
Protection	Overttemperature, clipping
Power Entry	Schurter IEC C14

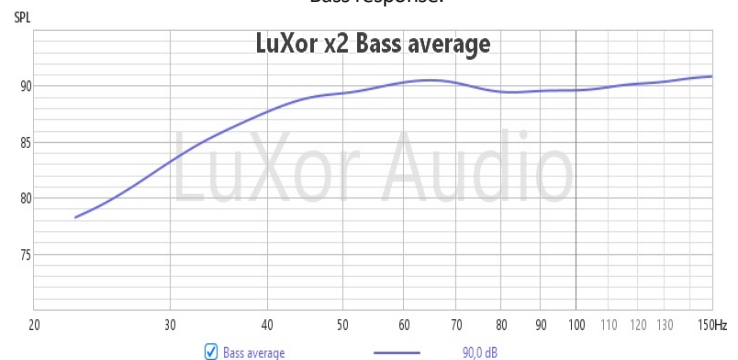
LF – bass driver	Ø20 cm speaker, neodymium magnet, 300 W
HF - high driver	Ø2.6 cm dome tweeter, titanium voice coil, 180 W
External dimensions (height x width x depth):	40 cm x 27 cm x 38 cm
Total weight:	18 kg



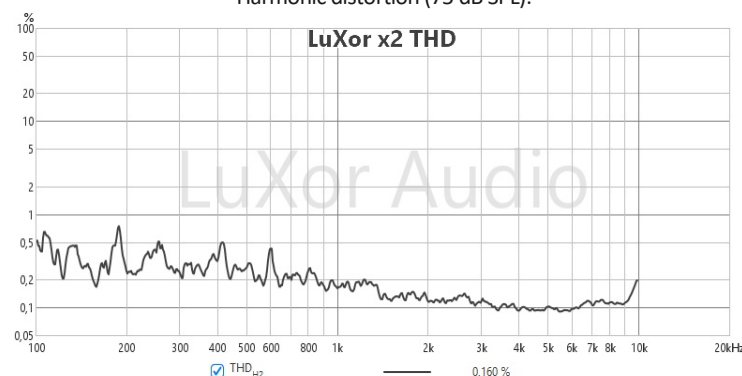
Frequency response (crossover):



Bass response:



Harmonic distortion (75 dB SPL):



Phase:

