



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 colour and look to match any interior design mood.

Flexible digital parameters

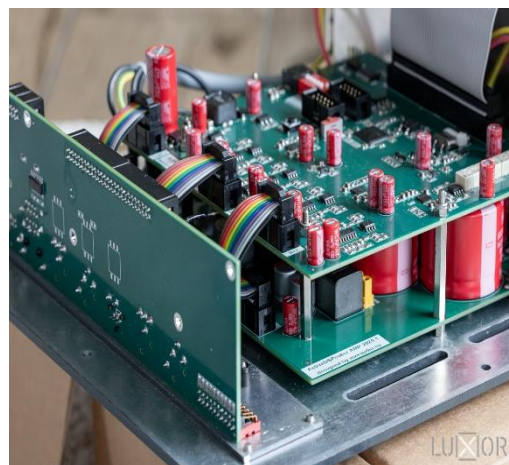
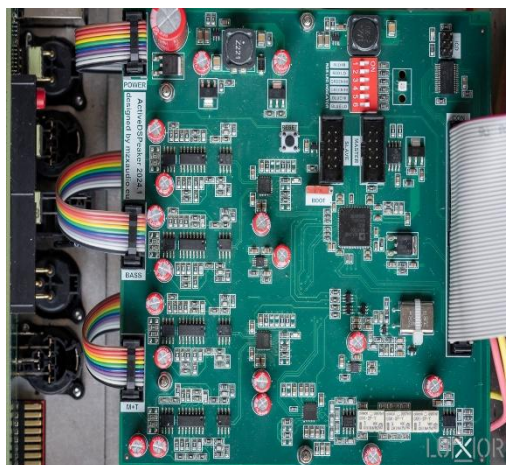
Our loudspeakers can be tailored to the environment but their technical operation can also be flexibly adapted to the application and site conditions using state-of-the-art digital technology. Technical parameters, transmission coefficients, signal levels and tone colours can be adjusted on-site by means 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 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 utas aktív erősítés
- DSP digitális vezérlés
- Szimmetrikus analóg be/kimenet
- S/PDIF, AES/EBU digitális csatlakozás
- 600 W beépített teljesítmény
- Magas hatásfok, alacsony fogyasztás
- Rezgéscsillapított kialakítás
- Hangolt bassreflex mélysugárzó
- Nagy akusztikai teljesítmény
- Személyre szabhatóság
- Négyféle hangzás
- Szabadon választható színek
- Helyszíni kalibrálás, távvezérlés
- 3 év műszaki garancia





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 75Ω) (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)
13. Bass cabinet connector (Neutrik Speakon F4P, internal placement)



Cherry veneer

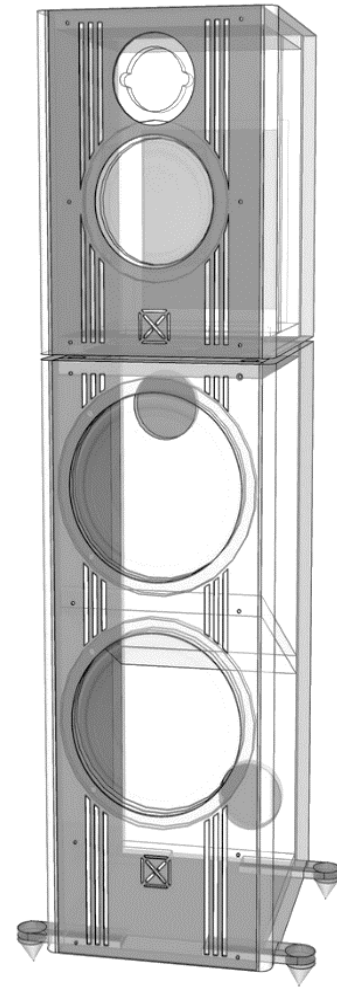


Walnut veneer



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	26Hz - 22kHz (+/-3dB @1m full space, on-axis)
THD	0.11 % (1 kHz) <0,5 %
Amplifiers	Class-D (3 blokk)
Continuous Output Power	100 W (HF) + 250 W (MF) + 250 W (LF) RMS
Overall music power	750 W (peak to peak)
Idle power consumption	5 W
Protection	Overtemperature, clipping
Power Entry	Neutrik PowerCon, Schurter IEC C14
LF - bass driver	2 x Ø25 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
External dimensions (height x width x depth):	120 cm x 31 cm x 38 cm



Frekvenciaválaszték + fázismenet:



Basszus átvitel:



Harmonikus torzítás (75 dB SPL):



Vízszintes ábra (90 dB SPL):

