

About Luxsin

Same as Eversolo, Luxsin is a subsidiary of the Zidoo Group. As a newly established brand, Luxsin is dedicated to the desktop audio sector.

The Luxsin X8 is a high-performance desktop DAC, headphone, and power amplifier. It features 8 CS43198 decoding chips, with built-in support for over 2,500 headphone models. At its core is a new-generation high-performance DSP module, integrating a HiFi-5 DSP + ARM STAR dual-core architecture, equipped with large-capacity SRAM. The DSP operates at a frequency exceeding 500 MHz and includes hardware-level HP-EQ and Crossfeed, enabling automatic headphone frequency response correction to ensure precise and stable audio processing. The headphone amplifier section adopts a fully balanced design, with an output capability of $L+R \geq 4800 \text{ mV} + 4800 \text{ mV}$. It automatically recognizes headphone impedance, ensuring stable driving performance for various headphone types. The unit also supports multiple input interfaces and offers Wi-Fi remote control and OTA online upgrade functionality.

Luxsin[®]
a u d i o

Luxsin X8



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Learn More...

4 inch
Full-Color Touchscreen

8 DAC
Cirrus Logic Cs43198

4800mWx2
Headphone Output Power

Luxsin®

A premium desktop audio brand under Zidoo & Eversolo group



8x CS43198 decoding chips (4 chips per channel)

World's first AI-assisted EQ tuning technology

Custom shielding cover for interference isolation and heat dissipation

HiFi-5 dual-core DSP with over 500MHz main frequency

Hardware HP-EQ for automatic frequency response correction

AI-assisted tuning with voice optimization support

Built-in EQ auto-matching for 2500 earphone models

Customizable EQ curves with sharing function

Fully balanced circuit delivering 4800mV per channel

Automatic earphone impedance detection for stable driving

Multiple powerful embedded DSP functions

user settings auto saving

All-new digital audio core

Supports multiple digital input interfaces

Equipped with a 4-inch touchscreen

Runs on automotive-grade RTOS real-time system

Ultra-low noise variable voltage linear power supply

Dynamic negative feedback technology with audiophile-grade components

Diamond-cut panel with full-aluminum CNC chassis

Supports Wi-Fi control and OTA upgrades

Luxsin X8

Intelligent DAC & HP AMP



Dimensions	236mm (L) × 236.8mm (W) × 64mm (H)	
DAC	Cirrus Logic CS43198 × 8	
Analog Audio Output	XLR (Balanced) + RCA (Unbalanced)	
XLR Output Audio Characteristics	$\geq 129.5\text{dB}$ $< -121.8\text{dB}$ @unweighted $\geq 133\text{dB}$ (1kHz@200k Ω) $< 1.1\text{uVrms}$ 4.2Vrms (1kHz@200k Ω)	
RCA Output Audio Characteristics	$\geq 124.5\text{dB}$ $< -120\text{dB}$ @unweighted $\geq 125\text{dB}$ (1kHz@100k Ω) $< 1.3\text{uVrms}$ 2.1Vrms (1kHz@100k Ω)	
Performance and Parameters of Balanced Headphone Output (4.4mm/XLR4)	Low Gain	$L+R \geq 4840\text{mW}+4840\text{mW}$ (16 Ω , THD+N<1%) $L+R \geq 2500\text{mW}+2500\text{mW}$ (32 Ω , THD+N<1%) $L+R \geq 270\text{mW}+270\text{mW}$ (300 Ω , THD+N<1%)
	Medium Gain	$L+R \geq 4840\text{mW}+4840\text{mW}$ (16 Ω , THD+N<1%) $L+R \geq 3900\text{mW}+3900\text{mW}$ (32 Ω , THD+N<1%) $L+R \geq 430\text{mW}+430\text{mW}$ (300 Ω , THD+N<1%)
	High Gain	$L+R \geq 4840\text{mW}+4840\text{mW}$ (16 Ω , THD+N<1%) $L+R \geq 4300\text{mW}+4300\text{mW}$ (32 Ω , THD+N<1%) $L+R \geq 950\text{mW}+950\text{mW}$ (300 Ω , THD+N<1%)
Output Impedance	$< 1\Omega$	
THD+N	$< -117\text{dB}$ (1kHz/0dB@32 Ω)	
SNR	$\geq 123\text{dB}$	
Crosstalk	$\geq 119\text{dB}$ (1kHz@32 Ω)	
Rated Power	25W	
Linear Power Supply	Ultra-low Noise Adjustable Voltage Linear Power Supply	