

Product Specifications

Basic Parameters	
Model	Luxsin X8
Color	Black
Size	236mm (L) × 236.8mm (W) × 64mm (H)
Weight	2750g
Display	4' LCD (480*960) Touchscreen
Input Power	AC 100-120V/220-240V-50/60Hz
DAC	Cirrus Logic CS43198 × 8
Power Supply	Ultra-low-noise, voltage-adjustable Linear Power Supply
WiFi	Wi-Fi 2.4GHz / 5GHz
Bluetooth	Qualcomm SXW5125 (BT 5.1)
Firmware	OTA Online Upgrade / Local Upgrade
Control Methods	Touchscreen, Mobile APP (Android/iOS), Web Browser, IR Remote(Optional)
Rated Power	25W
Packing List	Power Cable ×1, USB-B cable ×1, 3.5mm to 6.35mm adapter ×1
Input / Output	
USB-A Input	For Local Upgrade
USB- B Input	Support PCM 768kHz/32bit; DSD512(Native)
USB -C Input	Support PCM 768kHz/32bit; DSD512(Native)
IIS Input	Support PCM 768kHz/32bit; DSD512(Native)
Coaxial Input	Support PCM 192kHz/24bit
Optical Input	Support PCM 192kHz/24bit
TRIGGER IN	Standard 3.5mm Connector
TRIGGER OUT	Standard 3.5mm Connector
Analog Output	RCA
Digital Output	XLR
Headphone Output	6.35mm (Unbalanced), 4.4mm (Balanced), 4 pin XLR (Balanced)

XLR Output Audio Characteristics	
SNR	≥ 129.5dB
THD+N	< -121.8dB @unweighted
Crosstalk	≥ 133dB (1kHz@200kΩ)
Noise Floor	< 1.1uVrms
Output Level	4.2Vrms (1kHz@200kΩ)

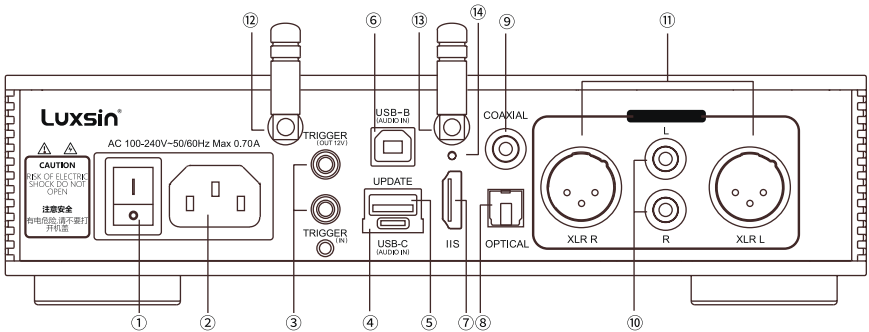
RCA Output Audio Characteristics	
SNR	≥ 124.5dB
THD+N	< -120dB @unweighted
Crosstalk	≥ 125dB (1kHz@100kΩ)
Noise Floor	< 1.3uVrms
Output Level	2.1Vrms (1kHz@100kΩ)

Performance and Parameters of Balanced Headphone Output (4.4mm/XLR4)		
Low Gain	L+R ≥ 4840mW+4840mW (16Ω, THD+N < 1%)	8.8Vrms
	L+R ≥ 2500mW+2500mW (32Ω, THD+N < 1%)	8.9Vrms
	L+R ≥ 270mW+270mW (300Ω, THD+N < 1%)	9Vrms
Medium Gain	L+R ≥ 4840mW+4840mW (16Ω, THD+N < 1%)	8.8Vrms
	L+R ≥ 3900mW+3900mW (32Ω, THD+N < 1%)	11.2Vrms
	L+R ≥ 430mW+430mW (300Ω, THD+N < 1%)	11.4Vrms
High Gain	L+R ≥ 4840mW+4840mW (16Ω, THD+N < 1%)	8.8Vrms
	L+R ≥ 4300mW+4300mW (32Ω, THD+N < 1%)	11.8Vrms
	L+R ≥ 950mW+950mW (300Ω, THD+N < 1%)	16.9Vrms
Output Impedance	< 1Ω	
THD+N	< -117dB(1kHz/0dB@32Ω)	
SNR	≥ 123dB	
Crosstalk	≥ 119dB (1kHz@32Ω)	

Performance and Parameters of Unbalanced Headphone Output (6.35mm)		
Low Gain	L+R \geq 1300mW+1300mW (16 Ω , THD+N < 1%)	4.5Vrms
	L+R \geq 630mW+630mW (32 Ω , THD+N < 1%)	4.5Vrms
	L+R \geq 70mW+70mW (300 Ω , THD+N < 1%)	4.5Vrms
Medium Gain	L+R \geq 2000mW+2000mW (16 Ω , THD+N < 1%)	5.6Vrms
	L+R \geq 1000mW+1000mW (32 Ω , THD+N < 1%)	5.6Vrms
	L+R \geq 100mW+100mW (300 Ω , THD+N < 1%)	5.6Vrms
High Gain	L+R \geq 2900mW+2900mW (16 Ω , THD+N < 1%)	6.8Vrms
	L+R \geq 1750mW+1750mW (32 Ω , THD+N < 1%)	7.5Vrms
	L+R \geq 230mW+230mW (300 Ω , THD+N < 1%)	8.4Vrms
Output Impedance	< 1 Ω	
THD+N	< -115dB(1kHz/0dB@32 Ω)	
SNR	\geq 121dB	

Hardware Overview

Rear Panel



Interface Descriptions:

- ① Power Switch
- ② Power Socket 100–240V~ 50/60Hz, Max 0.35A
- ③ 12V Trigger Input Used to connect with a power amplifier to enable linked power-on/off control.
12V Trigger Output Outputs 0V when powered off. Used to connect to a streamers to enable linked power-on/off control.
- ④ USB Type-C OTG For connecting to mobile phones (requires OTG cable)
- ⑤ USB-A Port For firmware updates only
- ⑥ USB-B Audio Input Connects to a computer or digital streamer with USB audio output
- ⑦ The IIS port is used to connect devices with IIS capabilities.
- ⑧ Optical Input For connecting to CD players, set-top boxes, or turntable devices
- ⑨ Coaxial Input For connecting to decoders or preamps
- ⑩ Single-ended RCA Output
- ⑪ XLR Balanced Output
- ⑫ Bluetooth Antenna For Bluetooth connection
- ⑬ Wi-Fi Antenna For wireless network connection
- ⑭ Reset Insert a USB drive and press the reset button while powering on. When the Luxsin logo appears for 2 seconds, release the button to begin the upgrade process