

AirLens

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AirLens

The AirLens interface brings perfection to streaming.

Streaming audio from services like Qobuz, Tidal, Amazon, and Apple has the advantage of offering millions of titles at the touch of a finger. Unfortunately, connecting your sensitive DAC to the noisy computer, router, and modem that supplies the music from many distant servers (or even a local NAS) via either WiFi or Ethernet cable is not a great sounding solution to bringing high-performance audio into your listening environment. The PS Audio AirLens completely eliminates the problems of noise, jitter, and EMI influences through complete galvanic isolation and perfect reclocking of the digital audio signal. You've not yet heard how great streaming can sound until you experience audio through the AirLens.

DESIGN

Whether you stream network music through Roon, Audirvana, JRiver, Tidal Direct, Spotify, your NAS, or any DLNA-compatible server, you will introduce unwanted noise into your sensitive DAC. A USB connection to the computer is by far the noisiest method, followed by a close second via Ethernet or WiFi. What is needed to completely remove this injurious noise is the elimination of any electrical connection between the computer, its network, and your DAC. The PS Audio AirLens has both an input stage and a galvanically isolated reclocking output stage. The two are connected only "through the air." By using separate power supplies, there are no physical ground or signal connections, ensuring 100% isolation and noise-free delivery of perfect digital audio signals.

APPLICATION

Eliminating the noisy USB to-computer connection and instead placing the PS Audio AirLens between your home network via Ethernet or WiFi will change forever the performance of streaming music. Once connected to any DAC, the AirLens interface will bring exceptional transparency, resolution, timbral realism, and wide dynamics to any D to A converter. Noise from any number of sources including your computer, long runs of Ethernet cable, EMI interference through WiFi, the system modem and router, all contribute to increased jitter and a general reduction of fidelity in the system. Connecting your DAC via its coax or I²S inputs completely removes the haze and congestion caused by these noise sources.

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Technology

GALVANIC ISOLATION

DIGITAL LENS TECHNOLOGY

WHAT YOU CAN EXPECT

Galvanic isolation means the complete elimination of any physical electrical connection between input and output. Typically, a common power supply provides ground and power to both inputs and outputs. Once a non-galvanically isolated device is connected to a noise source at its input, its shared ground passes the noise through a common ground to the output stage where the DAC is connected. The challenge with the AirLens was to design two fully isolated stages: input and output, and connect the digital audio signal between the two without any loss. To do this we incorporated a low-noise galvanically isolated DC-to-DC converter to feed power to the AirLens' output stage. We then deliver the received digital audio data to that clean output stage using only air as the interface. The results are nothing short of amazing. Finally, streaming music with all the noise and jitter-induced haze and congestion gone.



Features

NETWORK INTERFACE FOR STREAMING MUSIC	PCM UP TO 352KHZ	DSD TO 256(4X)	DOP OR NATIVE
GALVANICALLY ISOLATED INPUT TO OUTPUT	LOW JITTER RECLOCKER	DIGITAL LENS OUTPUT	ELIMINATION OF DIGITAL NOISE AND HASH
RCA COAX OUTPUT	I ² S OUTPUT	ROON READY	DLNA READY
IMPROVES SOUND QUALITY	ELIMINATES NETWORK AND WIFI NOISE	TIDAL CONNECT	

Specifications

General

Unit Weight	4.8 lbs [2.2 kg]
Unit Dimensions	10" x 7" x 1.5" [25.4cm x 17.8cm x 3.8cm]
Shipping Weight	6.8 lbs [3.1 kg]
Shipping Dimensions	5.8" x 13.6" x 11.6" [14.6 cm x 34.6 cm x 29.4 cm]
Color Options	Black, Silver
Voltage Options	Universal
Mains Power Input	100-240VAC 50-60Hz
Power Consumption	5W
Accessories Included	Power cord
Input	10/100/1000 Ethernet or 2.4 & 5GHz WiFi
Audio Outputs	12s, S/PDIF Coax

Features

Audio Interface	<ul style="list-style-type: none">• PCM: Up to 384KHz/32• Native DSD up to DSD256 (I2S output)• DoP (DSD over PCM) up to DSD128 (Coax output)
Network Support	<ul style="list-style-type: none">• WiFi: IEEE 802.11 b/g/n/ac (2.4 & 5GHz dual band)• 10/100/1000 Ethernet
WiFi Setup	<ul style="list-style-type: none">• WPS
Connectivity	<ul style="list-style-type: none">• DLNA 1.5 & UPnP AV 1.0 Digital Media Renderer• Spotify Connect• Roon Ready• TIDAL Connect• Qobuz (through Roon)• Dropbox (through Roon)• MQA