

# Pureformer

## Audio Isolation Transformer



## User Guide

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**JK Audio**

## ***Description***

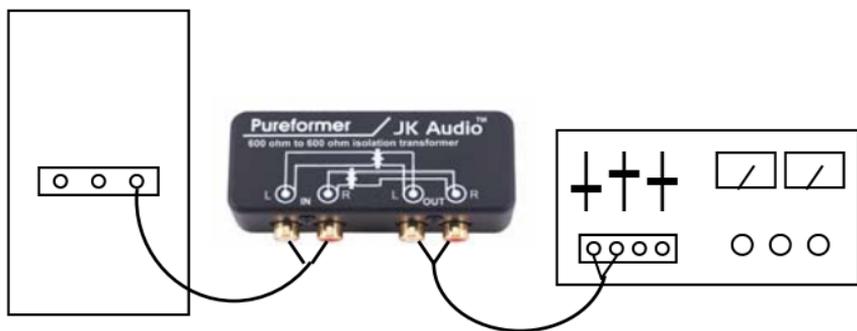
Pureformer is a simple solution to many noise and hum problems which occur when two audio products are connected together. Pureformer can be used wherever line level audio signals are connected between two or more pieces of equipment such as: computer sound cards, mixers, pre-amplifiers, tape decks, crosspoint switches, etc.

Pureformer works in two ways. First, it isolates the electrical grounds of both pieces of equipment. This is especially important in the case of computer audio cards connected to high quality / low noise audio equipment. The computer electrical ground is often filled with noise from disc drive activity and data transmission.

Many audio cards use the same electrical ground for the computer and the audio signal. When the computer audio card is connected to your studio equipment, the electrical noise from the computer can get into the rest of your audio system. Pureformer completely isolates the electrical ground of the two systems and only allows audio signals to pass through. Pureformer cannot remove noise once it has been mixed with the audio signal, so it is important to find and treat the source of each problem.

## Connection

Pureformer can also help when input / output incompatibilities exist. Audio inputs and outputs are almost always designed as AC coupled. This means that DC voltage differences are isolated from each other, even though the grounds are connected. In some cases, you may find equipment that is DC coupled. If both input and output are DC coupled, the signal will easily distort, break-up, or simply disappear. Pureformer safely isolates any combination of AC and DC coupled inputs and outputs.



Computer sound  
card or other  
audio source

## **Specifications**

<b>Input:</b>	RCA phono jacks, 600 ohms impedance
<b>Output</b>	RCA phono jacks, 600 ohms impedance
<b>Frequency Response:</b>	20 Hz - 20 kHz, $\pm$ 0.1 dB
<b>Insertion Loss:</b>	0.8 dB
<b>Isolation:</b>	1500 VRMS

## **Warranty**

The model Pureformer is covered by a 2 year warranty to be free from defective workmanship and materials. In the event that the Pureformer needs repair, you must call us to get an authorization, and then carefully pack and ship it to us. You will pay for shipping to us and we will pay for return back to you, UPS ground. No free repairs will be made if the defect was caused by misuse, weather conditions, or other cause, except for defective workmanship or materials. THERE ARE NO EXPRESSED OR IMPLIED WARRANTIES WHICH EXTEND BEYOND THE WARRANTY HERE MADE.

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