

Single-Channel Ground Loop Noise Isolator

Eliminate Hum and Buzz in Your Audio System

Model No.: XLR-A600

Version: v1.2

| Ground loop isolator | Hum Eliminator | Ground Loop Isolator | Hum Destroyer |

The flykantech.com XLR-A600 is an ideal problem solver for today's AV technicians and audio engineers, providing an easy way to insert an isolation transformer into the signal path to remove hum and buzz from ground loops. Simply connect it between any two line-level devices, such as a mixer and a powered speaker, or a crossover and a power amp. The XLR-600 will eliminate ground loop noise without limiting the audio bandwidth or introducing phase shift, and it can handle hot signal levels without distortion.



Features

- Eliminates hum & buzz caused by ground loops
- Passive, transformer based
- Exceptionally linear response from 20Hz to 20kHz
- Plug & play easy to use with XLR input & output
- Metal enclosure protects against magnetic fields
- Does not support 48V phantom power microphones

Applications

- Large Outdoor Performances
- Multimedia Conferences
- Home HIFI Audio Systems
- Entertainment Venues
- Exhibitions

Specifications

Audio circuit type	Passive, transformer based
Number of channels	1
Frequency Response	20Hz-20kHz
Input Impedance	600 Ω (AC impedance)
Output Impedance	600 Ω (AC impedance)
Input Interfaces	1 x XLR
Output Interface	1 x XLR
Power	Passive, no power required
Dimensions	80 x 30 x 25mm
Weight	Ap. 120g

Input-Output Connections

Input XLR	Output XLR

What is Ground Loop Noise and what Causes it?

- Radio system draws power from a power system.
- Frequency of oscillation of the powerline and its harmonics
- Radio system connects to an unbalanced speaker system.
- Different voltage exists between two different ground connections of separate electrical devices connected to the same ground system within an enclosed system.
- Magnetic capacitance or inductance on a signal cable
- Power transformer that feeds the circuit

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