

User Manual

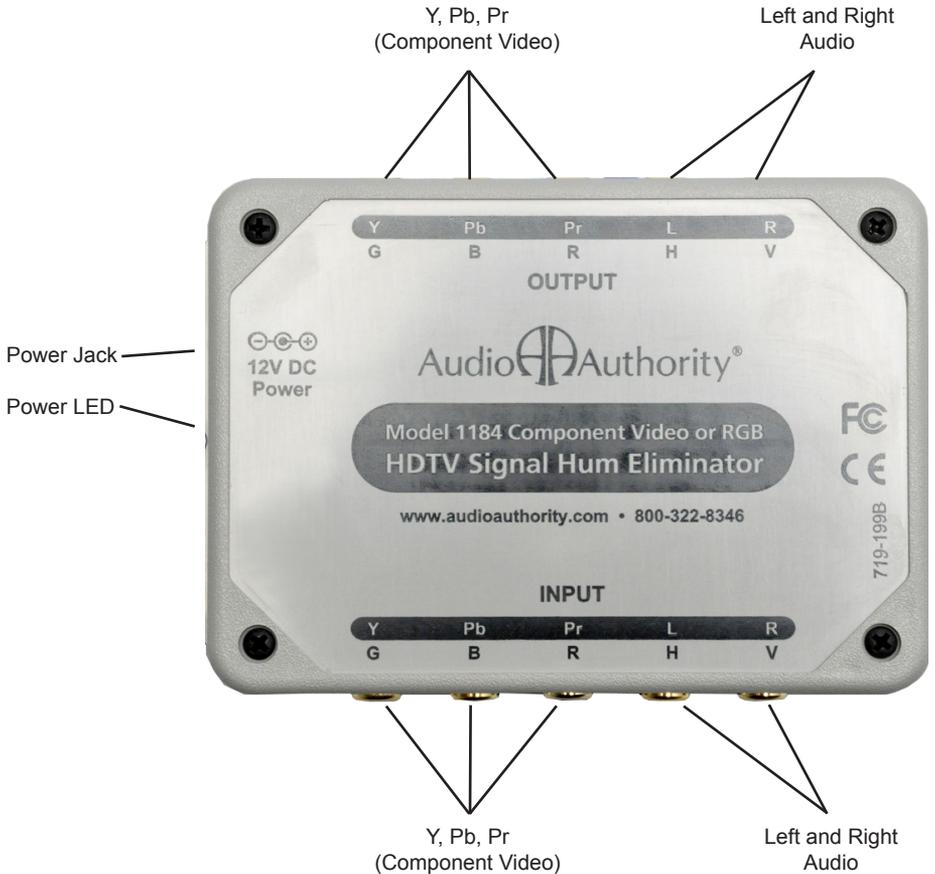
Model 1184 Signal Hum Eliminator



Audio  Authority®

Model 1184 Signal Hum Eliminator

The 1184 is designed to solve the problem of rolling video hum bars caused by AC-line related noise due to ground loops in coaxial cabling. It can be installed at the input of any device, such as a television display, exhibiting signs of a ground loop. The 1184 also eliminates hum from low level stereo audio signals.



Model 1184

Package Contents

Before installing this product, please check the packaging and make certain the following items are contained in the shipping carton:

- 1184 Signal Hum Eliminator
- DC Power Adapter
- User Manual

Signal Hum Elimination

For example, if four component video displays are fed by a component video distribution amplifier and ground current happens to circulate between any of the displays and/or their source, hum bars will appear on one or more of the displays. A Model 1184 can be added at the input of the offending display(s) to break the ground current path and eliminate the hum bars without sacrificing bandwidth or image quality.

Installation

Connect the output of a Model 1184 to the input of the television monitor or other downstream device using short patch cords, and connect its input to the source of video and/or audio or sync. Connect the included 12 volt DC power supply to the Model 1184 and plug it into a wall outlet.

Troubleshooting

- Check the power light and check the AC outlet to which the power adapter is connected.
- If the 1184 does not eliminate a ground loop you should have an electrician check your electrical grid and make repairs if necessary.
- In extreme cases, only wideband transformers (not sold by Audio Authority) may eliminate a severe ground loop.

SPECIFICATIONS

Subject to change without notice

Video Parameters	
Signal Type	Y Pb Pr Component
Video Formats	All
Input/Output Impedance	75 ohms
Input Ground Isolation	Yes, full time
Gain	1
Gain Accuracy	1%
3dB Bandwidth	250MHz
Input Coupling	AC
S/N Ratio	65dB
Max Gain/Equalization	1
Audio/HV Sync Parameters	
Analog/Digital Audio	Analog only
Digital Input/Output Type	n/a
Input Impedance	11K ohms
Min Load Impedance	10K ohms
Multi-channel Digital	n/a
Frequency Response	DC-1MHz
S/N Ratio	75dB
THD+Noise	0.05%
Crosstalk	75dB
DC Input Connector	5.5 X 2.1mm
DC Input Voltage/Polarity	12V/Center positive
Max DC Input Current	100mA
Power Supply	571-013

Audio  Authority®

2048 Mercer Road, Lexington, KY 40511-1071 USA
800-322-8346 • 859-233-4599 • Fax: 859-233-4510
support@audioauthority.com • www.audioauthority.com