

.....[®]
CALRAD
ELECTRONICS

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40-979 CATV Digital Hum Eliminator

Fig 1A.



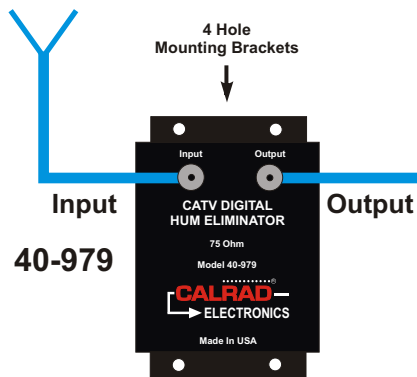
No More 60 Hz Bars or
 Interference Lines
 In your pictures

HDTV Ready

Works with Standard
 and HD Satellite
 Receivers, Digital STB
 devices, RF Modulators

Ground loops are a common cause of video distortion. Undesirable symptoms include "hum" which appears as one or more horizontal bars, horizontal tearing or pulling, and vertical rolling. The Calrad Ground Hum Eliminator is a passive ground loop correction device for coaxial RF systems, it differentially nullifies the AC current that can occur in the RF cable shield as a result of differing voltage potentials at each end of the shield. The difference in potential can arise from the bridging of two power distribution systems supplying the source and a display monitor in which the level of electrical ground varies. The result is the production of an AC current in the cable shield. See Fig 1A.

Cable Head-End or
 Main Cable Input



Set Top Box



DC Passive, works with all digital
 modems and STB, Satellite devices

Specifications:

- * Bandwidth >2Ghz
- * Input/Output Impedance..... 75 ohms
- * DC Passive Design
- * Input/Output Jacks: F connectors, F-81
- * Low VSWR prevents signal degradation
- * Dimensions: L-6" with mounting bracket, 4.75" without x W-3.75" x H-2.9" including Jacks
- * Color: Black

← RG6 Coax Cable



Measured 60hz
 Sine Wave

Before



Hum
 Bars

After



Clean
 Video



Measured Clean
 Source Signal

