



# LTM-STR4

## 4-Channel Webcasting

### Video and Audio Signal Conditioner



Baseband analog audio and video signals can become noisy with hum, ingress noise and other unwanted parasitic and redundant signals. Noisy signals are the enemy to all digital processors causing crashes, spurious images or audio pops on your webcast. The LTM-STR4 is an internet signal conditioner for the most demanding webcasting applications. The Laird LTM-STR4 Stream Cleaner is designed to work in conjunction with other Laird Raging Stream products such as the LTM-RS2AP or it may work as a stand alone unit with other compatible equipment.

The LTM-STR4 acts as a signal sentry to continuously filter and clean all A/V signals entering the unit. This constant cleansing process delivers coherent signals to your streaming platform allowing your computer to work faster and more efficiently because it won't be dealing with noise. The LTM-STR4 uses a high performance optical encoding conversion technology to eliminate standard and baseband mode noise in audio and video signals leaving the original signal clean and intact.

Since noise problems are common in long-line runs, the LTM-STR4 has built-in buffered line receivers and output line drivers for YC/Composite video and audio. The LTM-STR4 operates in 110/220 Volts anywhere in the world. Operates in NTSC, PAL, PAL-M, PAL-N and SECAM.

## SPECIFICATIONS

### MECHANICAL DATA

<b>Video Inputs:</b>	4 - 75Ω Balanced Video 1Vp-p terminated into 75Ω: 4-Pin S-Video connectors Composite Video: 4-Pin S-Video to BNC video adapter provided
<b>Audio Inputs:</b>	4 - Stereo Balanced XLR Female 1.023Vp-p into 600Ω
<b>Video Outputs:</b>	4 - 75Ω Line driver with gain/EQ 1Vp-p into 75Ω: 4-Pin S-Video connectors Composite Video: 4-Pin S-Video to BNC video adapter provided
<b>Audio Outputs:</b>	4 - Stereo 10KΩ unbalanced audio at 1.023V unity: RCA Phono connectors
<b>Indicators:</b>	Front Panel LED: Video Presence Front Panel LED: Audio Presence
<b>POWER:</b>	110/240 Volt 50/60Hz Mains AC selectable.
<b>SIZE:</b>	19"W X 3.5"H X 9"D EIA rackmount Cabinet
<b>WEIGHT:</b>	14 Lbs. less shipping carton

**Bandwidth:**  
**Hum Rejection:**  
**Return Loss:**  
**S/N Ratio:**

**Distortion:**  
**Hum Rejection:**  
**Crosstalk:**  
**S/N Ratio:**  
**Mode Noise Rejection:**

### VIDEO PERFORMANCE

DC-70Mhz  
Better than 65dB  
Below 18dB  
65dB

### AUDIO PERFORMANCE

<0.05%  
Better than 65dB  
110dB Isolation  
65dB at specified test center frequency  
Better than 110dB