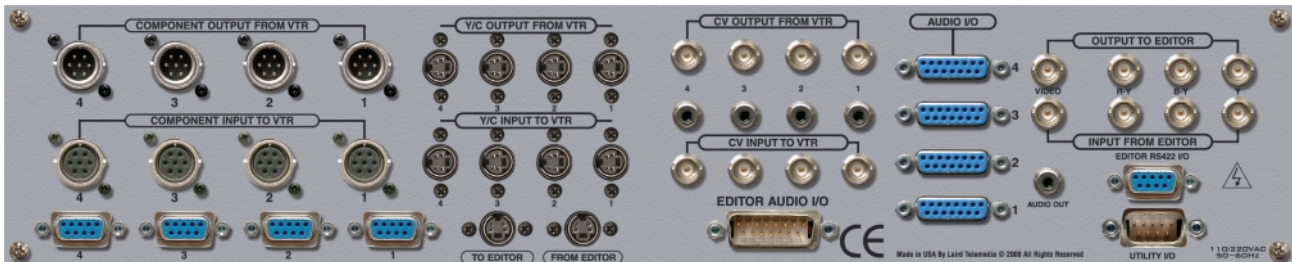




LTM-ER4

4 Machine Signal Router for Non-Linear Edit Systems



The LTM-ER4 provides a simple solution for routing multiple video sources in and out of your Non-Linear Edit (NLE) System. This clever router enables selection between four video sources to feed your NLE input in three video formats: Component, Y/C and Composite. Balanced 2-Channel audio and RS422 machine control will follow the video selection.

By connecting the NLE output to the LTM-ER4's assignment section, the NLE signals can be sent to any one of 4 devices, including the inputs to the same VTRs used in the NLE download process.

The LTM-ER4 provides a distinct advantage over multiple format patchbays and, with just a 2RU cabinet, it saves valuable rack space. NTSC, PAL, PAL-M, PAL-N and SECAM Compatible. Operates on 110/220 Volts with an automatic switching power supply.

SPECIFICATIONS

Mechanical Specifications:

4X1 SOURCE SELECTOR SECTION

VIDEO: 4 Component: R-Y, B-Y, Y (7-Pin Female Connector)
 (7 Pin Male to 3 BNC breakout cable provided)
 4 YC Video: (4-Pin Din female)
 4 Composite Video: 75Ω BNC connectors

AUDIO: 4 Dual Channel Balanced (15-Pin D-Sub)
 (15 Pin D-Sub to Female XLR Breakout Cable Provided)
 4 Mono Unbalanced (RCA Phono)

CONTROL: 4 RS422 serial control-full duplex
 (each device)
 Serial Control I/O (9-Pin D-Sub Female)

1X4 DESTINATION SELECTOR SECTION

VIDEO: 4 Component: R-Y, B-Y, Y (7-Pin Male Connector)
 (7-Pin Female to 3 BNC breakout cable provided)
 4 YC Video: (4 Pin Din female)
 4 Composite Video: 75Ω BNC connectors
AUDIO: 4 Dual Channel Balanced (15 Pin D-Sub)
 (15 Pin D-Sub to Male XLR Breakout Cable Provided)

EDITOR INTERFACE INPUT-OUTPUT

COMPONENT VIDEO: 1 R-Y, B-Y, Y (3 BNC Connectors)
YC VIDEO: 1 YC 4-Pin Din Female Connector
COMPOSITE VIDEO: 1 75Ω BNC Connector

BALANCED AUDIO I/O: 1 Dual Channel: 15-Pin Male D-Sub
 (15-Pin to 2 Female XLR breakout Cable Provided)
 1 Mono Channel: RCA Connector

SERIAL RS422 I/O: 1 9-Pin Female D-Sub Connector
UTILITY PORT: 1 9-Pin Male D-Sub Controls External Add-on Modules

VIDEO SPECIFICATIONS

VIDEO PERFORMANCE: Measured with a 40 IRE 3.58Mhz sine wave a linear ramp 0-100 IRE
BANDWIDTH: 70Mhz unity gain bandwidth
RESPONSE: DC - 100Mhz overall
 DC - 70Mhz Baseband @ ± 0.05dB
TILT: < 0.5%
OVERSHOOT: < 0.15%
DC OFFSET: 0V @ 1Vp-p into 75 ohm
DIFFERENTIAL GAIN: 0.01%
DIFFERENTIAL PHASE: 0.05%
ADJ. CROSSTALK: -65dB tested @ 10Mhz

AUDIO SPECIFICATIONS

AUDIO PERFORMANCE: Measured with 1KHz 1.2Vp-p sine wave (balanced audio)
FREQUENCY RESPONSE: 10-60KHz ± 0.1dB
S/N RATIO: 85dB, at specified tested center frequency for response
DISTORTION: < 0.05%
CROSSTALK: > 110dB isolation

FRONT PANEL CONTROLS

SOURCE SELECTOR: 4 Pushbuttons with LED confirm:
 Selects 1 of 4 source devices to Editor
RECORD DESTINATION SELECTOR: 4 Pushbuttons with LED confirm: Selects 1 of 4 destinations
CONTROL: Toggles RS422 control between Source Select or Record Destination switches

PHYSICAL SPECIFICATIONS

POWER: 110/220V AC 50/60 Hz @ .5amps, Automatic Switching
DIMENSIONS: 3.5"H x 7"D x 19"W EIA Rackmount