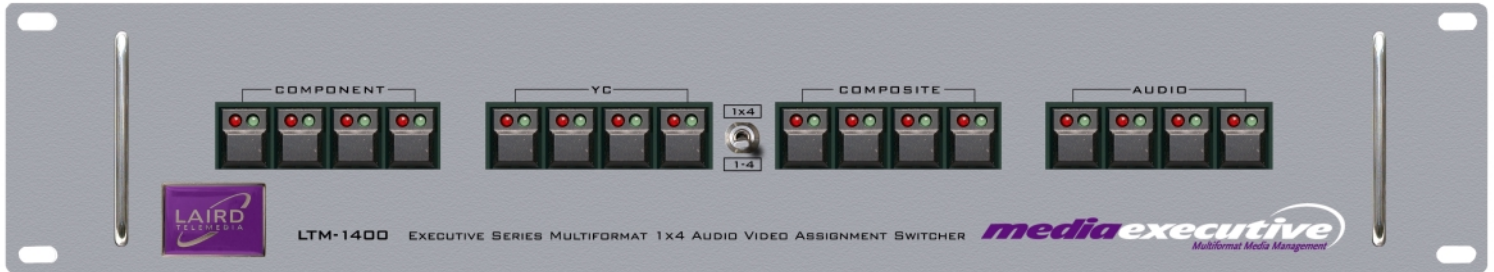




# LTM-1400

**Multiformat 1X4 Assignment Router / DA**  
**(Component, Y/C, Composite, Balanced Audio, RS422)**



The LTM-1400 is a **Multi-format Assignment Router/Distribution Amplifier System** for the most complex Multimedia signal management. It accepts **3 Video Formats: Component, Y/C & Composite**, as well as **2-Channel Balanced Audio** and **RS422 Machine Control**.

Each format can be separately controlled by front panel switches to perform as a 1x4 switcher or as a 1-4 DA.

The LTM-1400 can be genlocked to standard video reference signals to provide vertical interval switching of synchronous signals. In the absence of an external reference, the unit defaults to asynchronous switching.

**Windows RS232 external control software** provides PC-based control via its serial port. A unique embedded address allows up to Five (5) LTM-1400 to be controlled by one PC.

The LTM-1400 operates on 110/220 Volts with an automatic switching power supply, and will process NTSC, PAL, PAL-M, PAL-N and SECAM signals. It is housed in a 2RU cabinet.

## SPECIFICATIONS

<b>VIDEO:</b>	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) 4 Composite Video: True 75Ω BNC connectors
<b>AUDIO:</b>	4 Dual Channel Balanced (15-Pin D-Sub Connector - D-Sub to XLR Breakout Cable Provided)
<b>CONTROL:</b>	4 RS422 serial control-full duplex (each device)
<b>UTILITY PORT:</b>	1 9-Pin D-Sub: Male: Controls External Modules
<b>UTILITY:</b>	1 9-Pin port for controlling external modules
<b>SERIAL CONTROL:</b>	RS232 external serial control: Control device by Windows software (Device can also be controlled by your own control software).
<b>SERIAL LOOP:</b>	Looped RS232 buffered output of all RS232 signals.

### Video Specifications

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

### Audio Specifications

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

### ENCLOSURE INFORMATION

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