



VS-402xl

4x2:2 Composite Video & Balanced Stereo Audio Matrix Switcher



The **VS-402xl** is a high-performance matrix switcher for composite video and balanced stereo audio signals. Switching during the vertical interval ensures glitch-free switching with genlocked sources.

FEATURES

- High Bandwidth - 300MHz (-3dB) fully loaded.
- Level (Gain) and EQ (Peaking) Controls - Each output.
- Looping Input.
- Selectable Input Signal Termination.
- Video Outputs - 1:2 DAs.
- Control - Front panel, contact closure, RS-232 (K-Router™ Windows®-based software is included), & RS-485. VS-802xl includes IR Remote.
- Front Panel Control Lockout.
- Take Button - Executes multiple switches all at once.
- Memory Locations - Stores multiple switches as presets (salvos) for recall and execution as needed.
- Audio Breakaway Switching.
- Vertical Interval Switching.
- Switching Synchronization - Synchronizes either to external reference or the incoming video.
- Selectable Sync Signal Termination.
- Standard 19" Rack Mount Size - 1U. Rack "ears" included.



VS-402xl

TECHNICAL SPECIFICATIONS

INPUT:	4 composite video with loop, 1 sync $-1\text{Vpp}/75\Omega$ on BNC connectors with sync select switch; 4 balanced audio stereo, $+4\text{dBu}/33\text{ k}\Omega$ on detachable terminal blocks.
OUTPUTS:	2x2 composite video, $1\text{Vpp}/75\Omega$ on BNC connectors; 2 balanced audio stereo, $+4\text{dBu}/50\Omega$ on detachable terminal blocks.
BANDWIDTH (-3dB):	300MHz; 100kHz (audio).
MAX. OUTPUT LEVEL:	Video: $2\text{Vpp}/75\Omega$; Audio: 20Vpp max.
DIFF. GAIN:	0.03%.
DIFF. PHASE:	0.01Deg.
K-FACTOR:	$<0.05\%$.
S/N RATIO:	Video: 75dB; Audio: 82dB unweighted @1Vpp.
CROSSTALK:	Video: -67dB @5MHz; Audio: -97dB @1kHz.
CONTROL:	13 illuminated front-panel touch switches, RS-232, RS-485.
COUPLING:	Video: DC; Audio: AC.
AUDIO THD:	0.024%.
AUDIO 2nd HARMONIC:	0.002%.
POWER SOURCE:	100-240V AC, 50/60Hz, 40VA.
DIMENSIONS:	19" x 7" x 1U W, D, H, rack mountable.
WEIGHT:	2.7kg (6lbs) approx.
ACCESSORIES:	Power cord, PC control software.

