

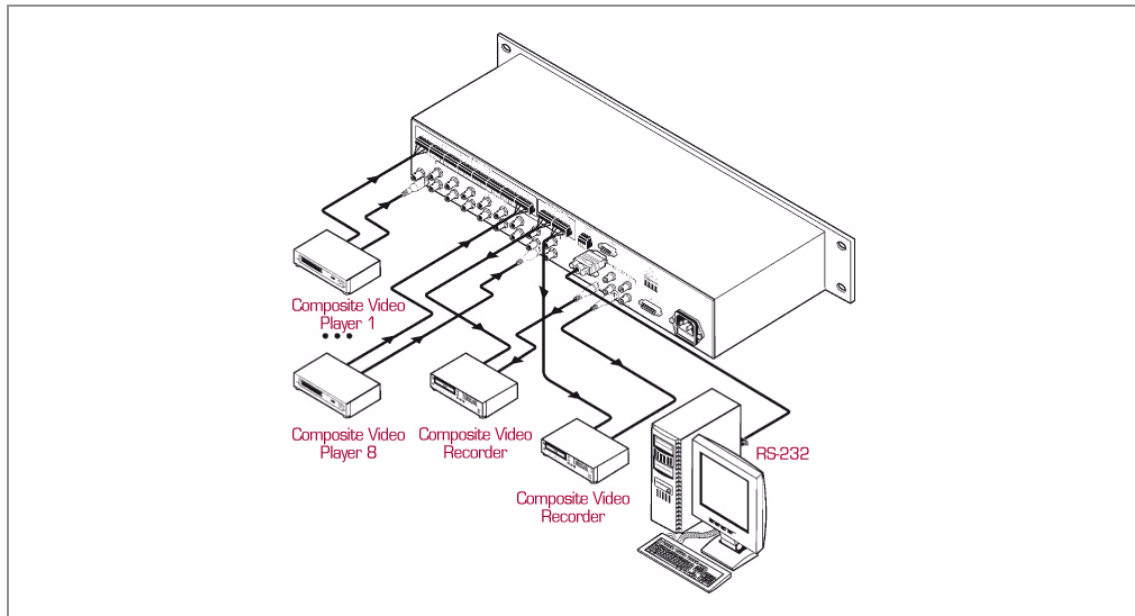


VS-402xl

Video/Audio Matrix Switcher



The **VS-402xl**, VS-602xl, and VS-802xl are high performance matrix switchers for composite video and balanced stereo audio signals. Switching during the vertical interval ensures glitch-free switching with genlocked sources.





VS-402xl

FEATURES

- High Bandwidth - 300MHz (- 3dB) fully loaded.
- Level (Gain) and EQ (Peaking) Controls - each output.
- Looping Inputs.
- Selectable Input Signal Termination.
- Video Outputs - 1:2 DAs.
- Control - Front panel, RS-232 (included KRouter™ Window® - based software is included), & RS-485 (VS-802xl includes IR Remote).
- Front Panel Control Lockout.
- Take Button - Execute multiple switches all at once.
- Memory Locations - Store multiple switches as presets (salvos) to be recalled and executed when needed.
- Audio Breakaway Switching.
- Vertical Interval Switching.
- Switching Synchronization - Synchronize either to external reference or the incoming video.
- Selectable Sync Signal Termination.
- Standard 19" Rack Mount Size - 1U (VS-802xl: 2U).

TECHNICAL SPECIFICATIONS

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|---------------------|--|
| INPUTS: | 8, 6, 4 composite video with loop, 1 x Sync – 1Vpp/75 Ω on BNCs with sync select with 8, 6, 4 balanced audio stereo, +4dBm/33 kΩ on detachable terminal blocks |
| OUTPUTS: | 2x2 composite video -1Vpp/75 Ω s on BNCs 2 balanced audio stereo, +4dBm/50 Ωs on detachable terminal blocks |
| BANDWIDTH (-3dB): | 300MHz (video), (VS-802xl: 386 MHz); 100kHz (audio) |
| MAX. OUTPUT LEVEL: | Video: 2Vpp/75 ohms, Audio: 24Vpp max (VS-802xl: 20Vpp) |
| DIFF. GAIN: | <0.03% (VS-802xl: 0.07%) |
| DIFF. PHASE: | <0.01 Deg (VS-802xl: <0.02 deg.) |
| K-FACTOR: | <0.05% |
| S/N RATIO: | Video: 77dB, (VS-802xl: 75 dB); Audio: 82dB unweighted, (@ 1Vpp) |
| CROSSTALK: | Video: -67dB @ 5MHz; Audio: -97dB @ 1kHz |
| CONTROLS: | 21, 17, 13 illuminated front-panel touch switches, RS-232, RS-485 |
| COUPLING: | Video: DC; Audio: AC |
| AUDIO THD: | <0.024% |
| AUDIO 2nd HARMONIC: | <0.002% |
| DIMENSIONS: | 19 inch (W), 7 inch (D), 1U (H, VS-802xl: 2U) rack mountable |
| POWER SOURCE: | Universal, 100/120-200/240VAC, 47-63 Hz, 40W max |
| WEIGHT: | 2.7kg (6 lbs.); (VS-802xl: 3.9 kg, 8.6 lbs) approx. |
| ACCESSORIES: | Power cord, PC control software |