VS-646
6x6 Composite Video & Balanced Stereo Audio Matrix Switcher

BAL	RS-232	CV	RS-485
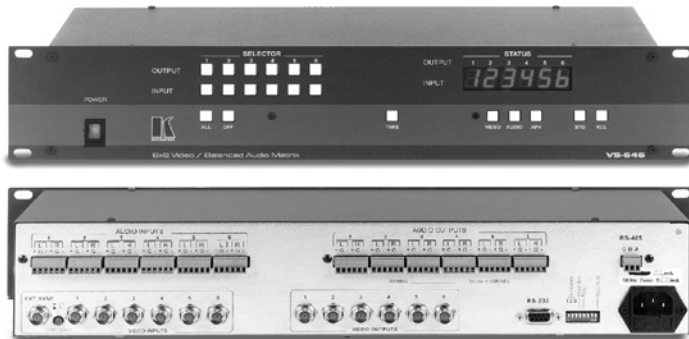
The **VS-646** is a high performance matrix switcher for composite video and balanced stereo audio signals. Switching during the vertical interval ensures glitch-free switching with genlocked sources.

FEATURES

- **Bandwidth** - 200MHz (- 3dB) fully loaded.
- **Control** - Front panel, RS-232 (included K-Router™ Windows® - basic software is included), & RS-485.
- **Take Button** - Execute multiple switches all at once.
- **Memory Locations** - Store multiple switches as presets 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** - 2U.
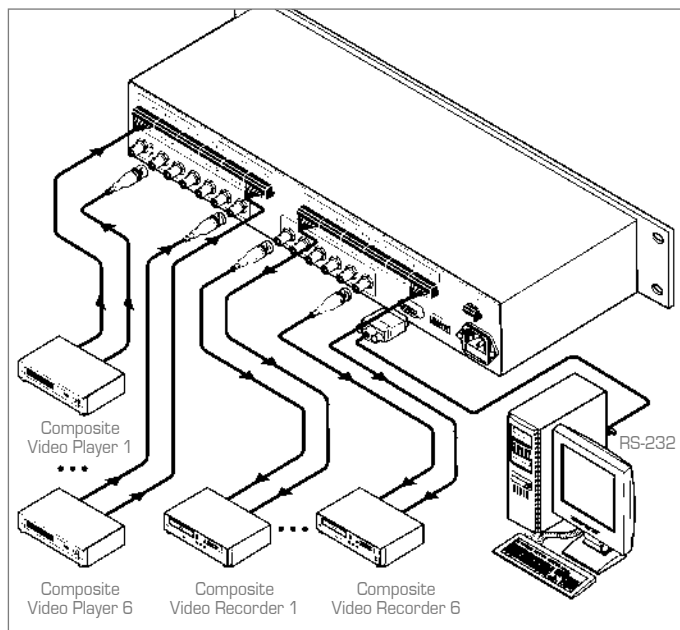
TECHNICAL SPECIFICATIONS

INPUTS:	6 composite video, 1Vpp/75Ω on BNC connectors. 1 sync/video genlock 1Vpp/75Ω with sync select switch. 6 balanced audio stereo, + 4dBm/33kΩ on detachable terminal blocks.
OUTPUTS:	6 composite video, 1Vpp/75Ω on BNC connectors. 6 audio stereo, + 4dBm/50Ω on detachable terminal blocks.
MAXIMAL AUDIO:	24Vpp (> 27dBm).
BANDWIDTH (- 3dB):	Video: 200MHz. Audio: 100kHz.
DIFF. GAIN:	0.05%.
DIFF. PHASE:	0.03 Deg.
K-FACTOR:	< 0.05%.
VIDEO S/N:	74dB.
AUDIO S/N:	84dB unweighted (1Vpp).
VIDEO CROSSTALK:	- 50dB.
NON LINEARITY:	0.1%.
CONTROL:	Manual, RS-232 or RS-485.
AUDIO THD:	0.025% (1V, 1kHz).
2nd HARMONIC:	0.013%.
SWITCHING:	Vertical interval.
POWER SOURCE:	230VAC, 50/60Hz, (115VAC, U.S.A.) 11VA.
DIMENSIONS:	19-inch (W), 7-inch (D) 2U (H) rack mountable.
WEIGHT:	3.4kg. (7.5lbs.) approx.
ACCESSORIES:	Power cord, Windows® - based control software, Null modem adapter.

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