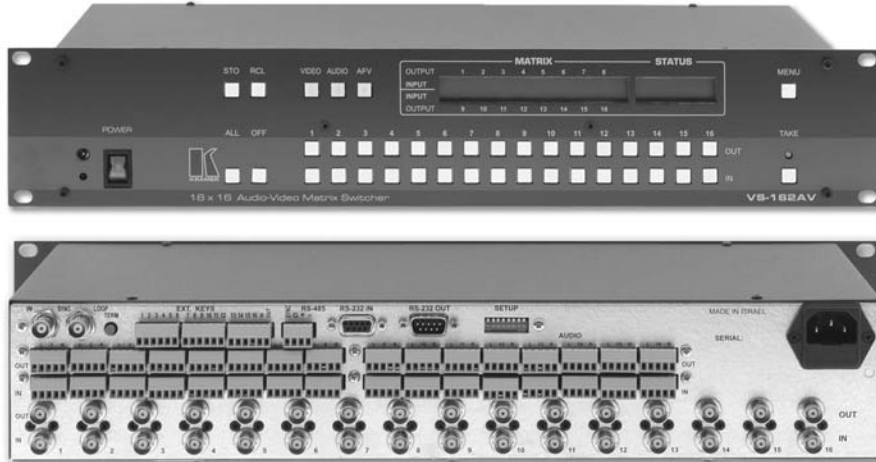


# 16x16 Audio Video Matrix Switcher VS-162AV

The Kramer VS-162AV is a high performance 16x16 vertical interval matrix switcher for composite video and balanced stereo audio signals. Multiple SYNC options make it appropriate for a wide range of applications with glitch-free transitions. Excellent video performance ensures that it remains transparent in almost any video application. Video bandwidth extends to well over 90 MHz, making it suitable for all video applications while audio levels conform to broadcast specifications. Both audio-follow-video and breakaway modes are available. The VS-162AV may be controlled via the front-panel touch switches, via the serial RS-232 and RS-485 ports (with either hexadecimal or ASCII codes), and via external dry-contact pushbuttons. The machine includes a built-in infrared remote control option.

The user-friendly LCD display makes operation even easier, and 60 preset memory locations are provided for quick access to commonly used configurations. The unit includes Windows 95/98/2000/NT™ based control software. The VS-162AV can be configured into a Kramer multi-signal switcher system including digital and analog video, digital and analog audio, and RS-422 control switchers. When integrated in a system, all units switch in true audio-follow-video mode.



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VIDEO AND AUDIO SWITCHERS, MATRIX SWITCHERS AND CONTROLLERS

### TECHNICAL SPECIFICATIONS

<b>INPUTS:</b>	Video: 16 composite video, or 8 s-Video, or 4 RGBS, or 5 YUV, 1 Vpp / 75 on BNC connectors. Audio: 16 balanced audio 10k on detachable terminal block connectors.
<b>OUTPUTS:</b>	Video: 16 composite video, or 8 s-Video, or 4 RGBS, or 5 YUV, 1 Vpp / 75 on BNC connectors. Audio: 16 balanced audio 50 on detachable terminal block connectors.
<b>BANDWIDTH (-3dB):</b>	Video: 100 MHz -3dB; Audio: 100 kHz.
<b>DIFF. GAIN:</b>	<0.01%.
<b>DIFF. PHASE:</b>	<0.01 Deg.
<b>K-FACTOR:</b>	<0.05%.
<b>S/N RATIO:</b>	Video: 70.2 dB; Audio: 82.2dB, unweighted, RL = 10k .
<b>CROSSTALK:</b>	Video: <-52 dB @ 5MHz; Audio: -80dB @ 1kHz.
<b>CONTROLS:</b>	41 selector switches; RS-232, RS-485, IR remote, dry keyboard extension.
<b>COUPLING:</b>	Video: DC; Audio: AC.
<b>AUDIO THD + NOISE:</b>	0.04% @ 1kHz.
<b>AUDIO 2nd HARMONIC:</b>	0.002%.
<b>POWER SOURCE:</b>	230 VAC, 50/60 Hz, (115VAC, U.S.A.) 10VA.
<b>DIMENSIONS:</b>	19-inch (W), 7-inch (D) 2U (H) rack-mountable.
<b>WEIGHT:</b>	3.7 kg (8.2 lbs.) approx.
<b>ACCESSORIES:</b>	Power cord, Null modem adapter, Windows 95/98/NT/2000™ Kramer control software.

### TYPICAL APPLICATIONS

- Video broadcast studios for on-air switching and signal routing. acceptors.
- Video production facilities, for connecting various sources to