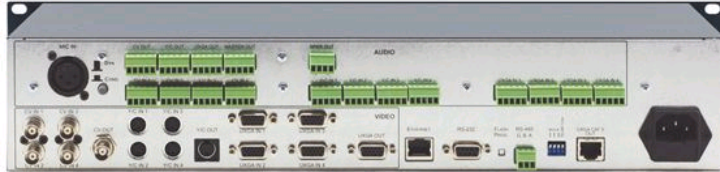




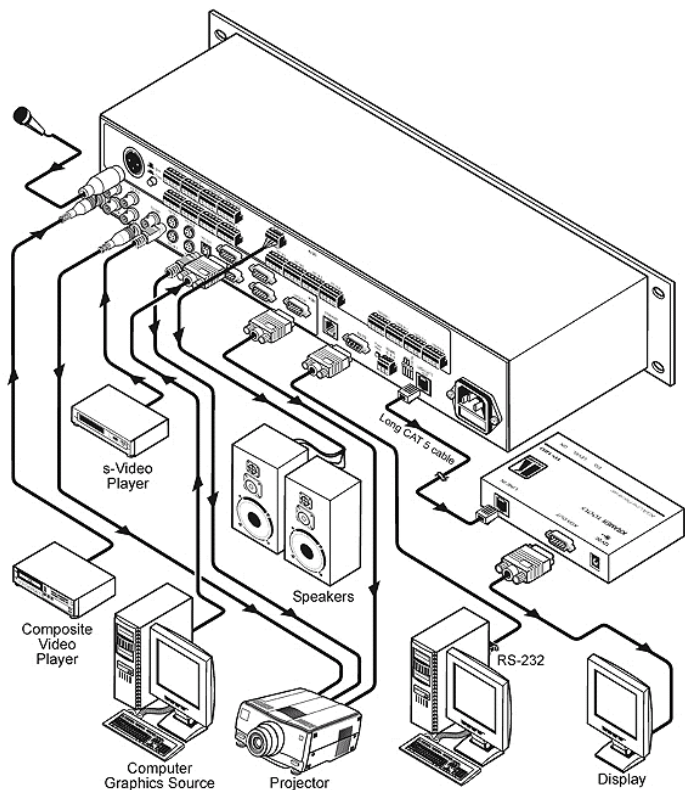
## MULTI-FORMAT PRESENTATION SWITCHER WITH BALANCED STEREO AUDIO



### DESCRIPTION

- High Bandwidth - 350MHz (-3db) computer graphics video, 385MHz s-Video (Y), 650MHz (-3db) composite video, and 158MHz (-3db) CAT 5.
- Computer Graphics Outputs - HD-15 and CAT 5 up to 100 Meters (>300)
- HDTV Compatible
- Audio Level (Gain) Controls for Each Output
- Microphone Input Level Control
- Built-in 5 Watt RMS per Channel Audio Amplifier with Speaker Output connectors.
- Master Audio Output - Input selectable
- Talk Over Button Microphone input signal mutes the line audio output when a microphone detects sound.
- Flexible Control Options - Front panel, RS-485, RS-232 (included K-Router Windows-based software), Ethernet, & IR remote (included)
- Front Panel Lockout.
- Worldwide Power Supply - 100-240V AC
- Standard 19 Rack Mount Size - 2U

The VP-23N is a 4x1 composite video, a 4x1 s-Video (Y/C) and 4x1 computer graphics video switcher, each with balanced stereo audio. It is designed for a wide variety of presentation and multimedia applications.

**VP-23N****MULTI-FORMAT PRESENTATION SWITCHER WITH BALANCED STEREO AUDIO****SPECIFICATIONS**

<b>INPUTS:</b>	4 VGA/XGA on HD15F connectors; 4 s-Video, 1Vpp (Y), 0.3Vpp (C)/75Ω on 4 pin connectors; 4 composite video 1Vpp/75Ω on BNC connectors. Each input is accompanied by the appropriate balanced stereo-audio channels: + 4dBm/50kΩ on detachable terminal block connectors, Mic: 3mV/10kΩ condenser/dynamic on an XLR connector.
<b>OUTPUTS:</b>	1 x VGA/XGA on an HD15F connector; 1s-Video - 1Vpp (Y), 0.3Vpp (C)/75Ω on 4 pin connector; 1 composite video 1Vpp/75Ω on a BNC connector 1 UTP CAT5 connector (Line OUT). Each output channel is accompanied by the appropriate balanced stereo-audio channel: + 4dBm/150Ω on detachable terminal blocks 1 master stereo audio + 4dBm/150Ω on a detachable 4-pin terminal block 1 stereo speaker output 2 x 5W continuous into 4Ω.
<b>MAX. OUTPUT LEVEL:</b>	VIDEO: YC: 1.8Vpp; CV: 1.8Vpp; XGA: 1.7Vpp. AUDIO: Group: 20dBm Master: 15dBm.
<b>BANDWIDTH (-3DB):</b>	VIDEO: YC: 385MHz; CV: 650MHz; XGA: 350MHz. AUDIO: Group: 46kHz; Speakers: 40kHz; Master: 33kHz.
<b>DIFF. GAIN:</b>	YC: 0.03%; CV: 0.03%; XGA: 0.15%.
<b>DIFF. PHASE:</b>	YC: 0.03°; CV: 0.03°; XGA: 0.09°.
<b>K-FACTOR:</b>	<0.1%
<b>S/N RATIO:</b>	VIDEO: YC: 81dB; CV: 75dB; XGA: 75dB (unweighted). AUDIO: Group: 74dB Speakers: 53dB (max pwr weighted) Master out: 72dB.
<b>CROSSTALK (ALL HOSTILE):</b>	VIDEO: 49dB @5MHz, AUDIO: Group: <- 76dB Master: <- 69dB @1kHz.
<b>CONTROLS:</b>	Channel selector for video and audio, for YC, CV and XGA; master audio output selector, audio level, talkover, lock.
<b>COUPLING:</b>	VIDEO: DC. AUDIO: AC.
<b>AUDIO THD + NOISE@1KHZ:</b>	Group: 0.08%; Speakers: 2% (max pwr); Master: 0.25%.
<b>AUDIO 2ND HARMONIC:</b>	Group: 0.065%; Speakers: 1.6% (max pwr); Master: 0.155%.
<b>POWER SOURCE:</b>	230VAC, 50/60Hz (115VAC, USA) 35VA.
<b>DIMENSIONS:</b>	19-inch (W), 7-inch (D) 2U (H) rack-mountable.
<b>WEIGHT:</b>	3.8kg (8.4lbs) approx.
<b>ACCESSORIES:</b>	Power cord, infra-red remote control transmitter, PC control software, Windows® based Configuration Manager XPort software and Com Port Redirector.