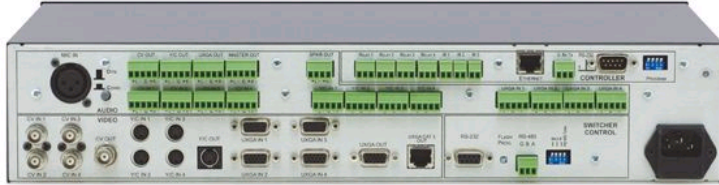




PRESENTATION SWITCHER & UNIVERSAL ROOM CONTROLLER WITH BALANCED STEREO AUDIO

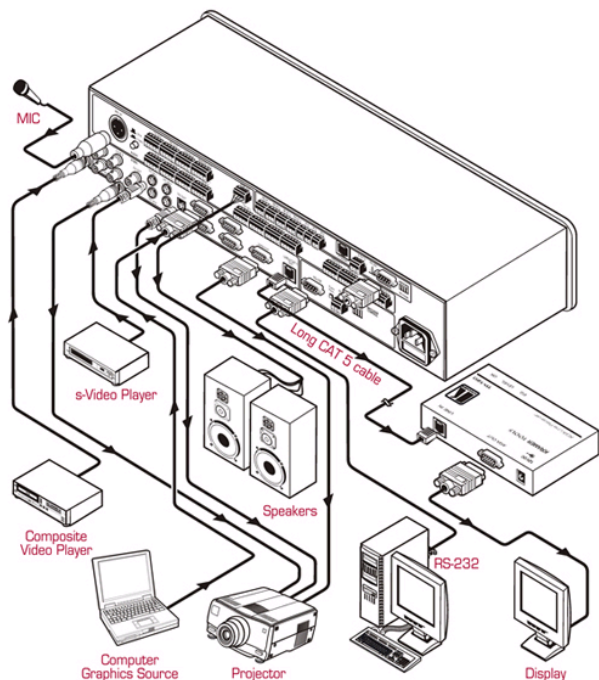
[RC CONFIGURATION AND INSTALLATION GUIDE](#)



The VP-23RC is a 4x1 composite video, a 4x1 s-Video (Y/C) and 4x1 computer graphics video switcher, each with balanced stereo audio. It will control audio components, video components and other room facilities such as lights and screens.

DESCRIPTION

- High Bandwidth - 350MHz (-3dB) computer graphics video, 385MHz s-Video (Y), 650MHz (-3dB) composite video, and CAT 5 up to UXGA.
- Computer Graphics Outputs - CAT 5 up to 100m (>300') & 15-pin HD connectors.
- HDTV Compatible.
- Audio Level (Gain) Controls for Each Output.
- Microphone Input Level Control.
- Built-in Audio Amplifier – 5 Watt RMS per channel 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 (room, audio & video), 1xRS-485, 2xRS-232 (K-Router™ Windows based software is included), 1xEthernet, 4xRelays, 3xIR emitters, & IR remote control unit included).
- Front Panel Lockout.
- Worldwide Power Supply - 90-240V AC.
- Standard 19" Rack Mount Size - 2U.

VP-23RC**PRESENTATION SWITCHER & UNIVERSAL ROOM CONTROLLER WITH BALANCED STEREO AUDIO****SPECIFICATIONS**

PORTS (CONTROLLER):	2 RS-232 on a terminal block connector and a DB 9M; 1 ETHERNET RJ-45 port.
INPUTS:	4 VGA/UXGA on HD15F connectors; 4 s-Video, 1Vpp (Y), 0.3Vpp (C)/75Ω on 4 pin connectors. 4 CV 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.
OUTPUTS:	1 x VGA/UXGA on an HD15F connector. 1 s-Video - 1 Vpp (Y), 0.3Vpp (C)/75Ω on a 4 pin connector. 1 CV 1 Vpp/75Ω on a BNC connector. 1 UTP CAT5 connector (Line OUT) Each output 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 2x5W continuous into 4Ω. 4 relays on terminal block connectors (36V AC or DC, 2A, 60VAC maximum on non-inductive load). 3 IR emitters on terminal block connectors.
MAX. OUTPUT LEVEL:	VIDEO: YC: 1.8Vpp; CV: 1.8Vpp. XGA: 1.7Vpp; CAT5: 1.3Vpp. AUDIO: Group: 20dBm. Master: 15dBm.
BANDWIDTH (-3DB):	VIDEO: YC: 385MHz; CV: 650MHz XGA:350MHz; CAT5: 158MHz AUDIO: Group: 46kHz Speakers: 40kHz. Master: 33kHz.
DIFF. GAIN:	YC: 0.03%; CV: 0.03%; CAT5: 6.4%; XGA:0.15%.
DIFF. PHASE:	YC: 0.03 Deg.; CV: 0.03 Deg.; CAT5: 0.2 Deg.; XGA: 0.09 Deg.
K-FACTOR:	<0.1%.
S/N RATIO:	VIDEO: YC: 81dB; CV: 75dB. CAT5: 59dB; XGA: 75dB (unweighted). AUDIO: Group: 74dB. Speakers: 53dB (max pwr weighted) Master out: 72dB.
CROSSTALK (ALL HOSTILE):	VIDEO: -49dB @5MHZ; AUDIO: Group: < -76dB. Master: < -69dB @1kHz.
CONTROLS:	Channel selector for video and audio, for YC, CV and XGA; master audio output selector, audio level, talkover, lock, RS 232, RS 485, and Ethernet
COUPLING:	VIDEO: YC, CV and XGA: DC AUDIO: AC, input and output.
AUDIO THD + NOISE@1KHZ:	Group: 0.08%; Speakers: 2% (max pwr); Master: 0.25%.
AUDIO 2ND HARMONIC:	Group: 0.065%; Speakers: 1.6% (max pwr); Master: 0.155%
POWER SOURCE:	90-240VAC, 50/60Hz (115VAC, USA)35VA.
DIMENSIONS:	19-inch (W), 7-inch (D) 2U (H) rack-mountable.
WEIGHT:	3.8 kg (8.4 lbs.) approx.
ACCESSORIES:	3.5mm to IR Emitter Control Cable. (C-A35/IRE-10); power cord, infra-red remote control transmitter, Java based control software (internal), Windows® based Kramer control software.
OPTIONS:	3.5mm to IR Emitter Control Cable (CA35/ IRE-10); 3.5mm to Dual IR Emitter Control Cable (C-A35/2IRE-10); 15 meter cable and 20 meter IR