



Component/RGBHV Matrix Switchers

KD-MSW4X2

Video/Audio Matrix Switcher capable of switching up to 4 Component/RGBHV Video Sources/Inputs to 2 independent Zones/Outputs



Key Features

- › Switches 4 Component/RGBHV video sources with analog and digital PCM audio to 2 Outputs
- › Supports all SD, HD, and VESA (VGA, SVGA, XGA, WXGA, SXGA, UXGA) resolutions up to 1080p (60Hz & 50Hz)
 - › SD & HD: 480i, 480p, 720p, 1080i, 1080p
 - › VESA / VGA (RGBHV): From 640x480p up to 1920x1200p
- › Supports analog and coaxial digital (PCM) Audio distribution

Key Benefits

- › 6 RCA connectors per input/output to accommodate Component or RGBHV applications
- › Built-in circuitry allows for cable (RG6) runs up to 300 ft. without signal degradation
- › Serial IR, Optical IR, Front Panel, Discrete Remote Codes, & RS-232 control. Supports major control systems such as AMX®, Colorado vNet®, Control4®, Crestron®, HomeLogic™, life1ware™, RTI®, Savant, Universal®, Xantech®

Specifications

Technical:

- › Inputs (4): RGB or YPrPb on 3 RCA female 1Vpp/75Ω; 1 Stereo analog unbalanced audio 0dBu/1kΩ, 0.5V/75Ω, or H&V on two RCA connectors; 1 digital S/PDIF audio on a RCA connector; H&V 5Vp-p TTL, 10 KΩ;
- › Outputs (2): RGB or YPrPb on 3 RCA female 1Vpp/75Ω; 1 Stereo analog unbalanced audio 0dBu/1kΩ, 0.5V/75Ω, or H&V on two RCA connectors; 1 digital S/PDIF audio on a RCA connector; H&V 5Vp-p TTL, 10 KΩ
- › Max Video Input Level: VGA or YPrPb: 1.2Vpp on 75Ω, AC coupling
- › Return Loss: -19dB
- › Max Video Output Level: VGA or YPrPb: 1.5Vpp on 75Ω, DC coupling
- › Resolution: Up to UXGA; 1080p
- › Control: Front panel push buttons and LED's, front and rear Infrared Receiver, Wired IR on rear, RS-232 on Tx and Rx lines. Full bi-directional operation for wired IR, RS-232.
- › Matrix Switching: Full matrix switching for Video, Analog Audio, Digital Audio
- › Video S/N Ratio: 58 dB RMS un-weighted; 65 dB RMS @5MHz weighted, optimal EQ
- › K-Factor: 0.22 % @ optimal EQ
- › Video Isolation (Crosstalk): -45dB @ 5MHz
- › Analog Audio Max Input Level: 4dBu on 50kΩ, AC coupling
- › Analog Audio Max Output Level: 4dBu on 50kΩ, DC coupling
- › Audio Bandwidth: 20Hz to 20kHz, @ 0dBu
- › TND+Noise: 0.33% @ 0dBu @ 1kHz
- › S/PDIF Max Input Level: 1Vpp on 75Ω, AC coupling
- › S/PDIF Max Output Level: 1Vpp on 75Ω, DC coupling
- › Power: +6V, 5A, 110-240 VAC, 50-60 Hz power adapter

General

- › Regulation: CE, RoHS, WEEE
- › Enclosure: Black Metal
- › Rack Mount: 1U (rack ears included)
- › Product Dimensions: L = 17.25" W = 4.5" H = 1.75"
- › Shipping Carton Dimensions: L = 23.5" W = 7" H = 4.5"
- › Product Weight: 4.5 lb
- › Shipping Weight: 7 lbs
- › Accessories: IR Remote Control, UL Certified Power Supply

System Design Example

