Component/RGBHV Matrix Switchers

FAT BOY SERIES™
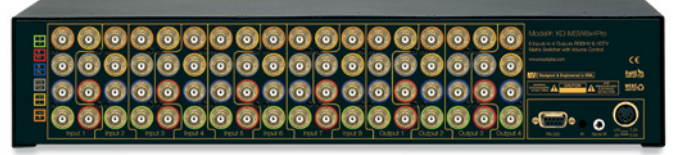
KD-MSW8X4Pro

Video/Audio Matrix Switcher capable of switching up to 8 Component/RGBHV Video Sources/Inputs to 4 Zones/Outputs
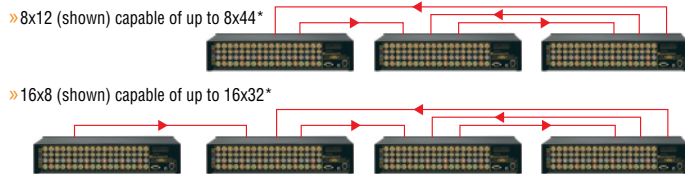

Key Features

› Switches 8 Component Video sources with Analog and Digital Audio to 4 independent Zones/Outputs

› Switches 8 RGBHV Video sources with Digital Audio to 4 independent Zones/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

› Analog Audio Volume Control for each output in Component Mode

Key Benefits

› 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®

Matrix Expansion

› Can be incrementally expanded (with additional units) up to 8 Sources/Inputs to 44 Zones/Outputs or 16 Sources/Inputs to 32 Zones/Outputs. Visit www.keydigital.com for expansion unit model numbers.

» 8x12 (shown) capable of up to 8x44*

» 16x8 (shown) capable of up to 16x32*

Specifications

Technical:

» **Inputs (8):** RGB or YPrPb on 3 BNC female 1Vpp/75Ω; 1 Stereo analog unbalanced audio 0dBu/1kΩ, 0.5V/75Ω, or H&V on two BNC connectors; 1 digital S/PDIF audio on BNC connector; H&V 5Vp-p TTL, 10 KΩ

» **Outputs (4):** RGB or YPrPb on 3 BNC female 1Vpp/75Ω; 1 Stereo analog unbalanced audio 0dBu/1kΩ, 0.5V/75Ω, or H&V on two BNC connectors; 1 digital S/PDIF audio on BNC 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 150kΩ, 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 DC, 5A, 110-240 VAC, 50-60 Hz power adapter

General

» **Regulation:** CE, RoHS, WEEE

» **Rack Mount:** 2U (rack ears included)

» **Enclosure:** Black Metal

» **Product Dimensions:** L = 17.25" W = 10" H = 3.5"

» **Shipping Carton Dimensions:** L = 23" W = 13" H = 6"

» **Product Weight:** 10.5 lb

» Shipping Weight: 14 lbs

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System Design Example