

## Audio/Composite Matrix Switchers

# KD-MSA8X8

Audio and Composite Video Matrix Switcher capable of switching up to 8 Sources/Inputs to 8 independent Zones/Outputs



### Key Features

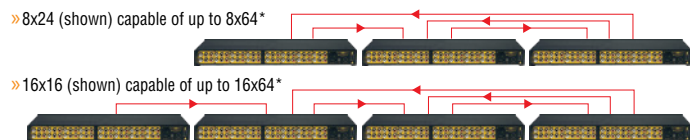
- › Switches 8 Analog and Coaxial Digital audio or Composite sources to 8 independent Zones/Outputs
- › Front LEDs indicate the selected source and input/output status

### Key Benefits

- › Built-in circuitry allows for cable (RG6) runs up to 300 ft. without signal degradation
- › Capable of switching Composite video by using the PCM jack for Video and L/R for left and right analog audio
- › Serial IR, Optical IR, Front Panel, Discrete Remote Codes, & RS-232 control. Supports major control systems such as AMX®, Colorado vNet®, Control4®, Crestron®, HomeLogic™, lifeIware™, RTI®, Savant, Universal®, Xantech®

### Matrix Expansion

- › Can be incrementally expanded (with additional units) up to 8 Sources/Inputs to 64 Zones/Outputs or 16 Sources/Inputs to 64 Zones/Outputs. Visit [www.keydigital.com](http://www.keydigital.com) for expansion unit model numbers



### Specifications

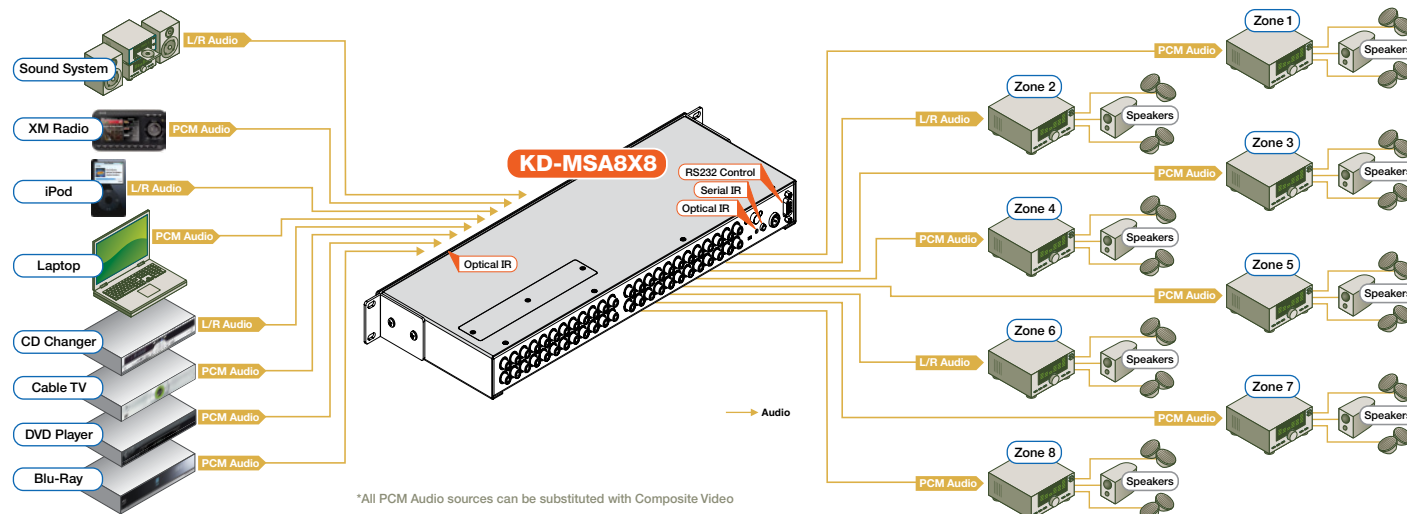
#### Technical:

- › Inputs (8): 1 Composite Video or S/PDIF on 1 RCA female 1Vpp/75Ω. Left and Right Analog Line Audio on two RCA connectors
- › Outputs (8): 1 Composite Video or S/PDIF on 1 RCA female 1Vpp/75Ω. Left and Right Analog Line Audio on two RCA connectors
- › Max Video Input Level: Composite Video or S/PDIF: 1.2Vpp on 75Ω, AC coupling;
- › Return Loss: -19dB
- › Max Video Output Level: Composite Video or S/PDIF: 1.5Vpp on 75Ω, DC coupling
- › Resolution: 480i/60 or 576i/50
- › Control: Front panel push buttons and LED's, front and rear Infrared Receiver, Wired IR on rear, RS-232 on Tx and Rx lines
- › Matrix Switching: Full matrix switching for Composite Video and 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, 6.6A

#### General

- › Regulation: CE, RoHS, WEEE
- › Rack Mount: 1U (rack ears included)
- › Enclosure: Black Metal
- › Product Dimensions: L = 17.5" W = 7" H = 1.75"
- › Shipping Carton Dimensions: L = 23.5" W = 11" H = 4.5"
- › Product Weight: 6 lb
- › Shipping Weight: 9 lbs
- › Accessories: IR Remote Control, UL Certified Power Supply

### System Design Example



\*All PCM Audio sources can be substituted with Composite Video