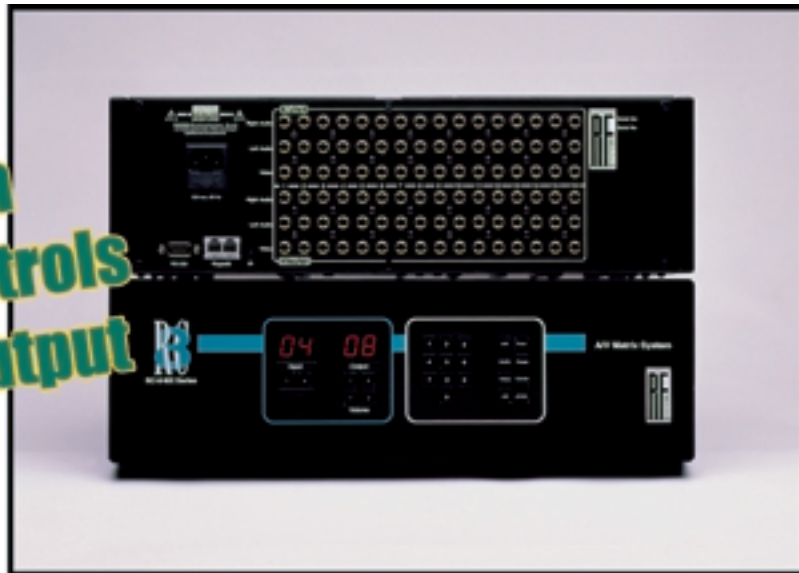


# R.F. Systems' Matrix Systems are a Sound Investment

Now with  
volume controls  
on every output



**\*\*Matrix systems with volume control on every output eliminates the need for pre-amps**

- Matrix systems available as audio/video, audio only, and video only. All video formats (Comp. S-VHS, RGBhv, etc., balanced and un-balanced audio)
- Available in sizes from 4 in x 4 out up to 24 in x 24 out.
- Extremely easy to use!!
- Save time and money by using R.F. Systems' RC-8-MX Matrix Series. These state-of-the-art systems make your job easier even in the most difficult installations.
- R.F. Systems matrix systems use extremely simple commands, have 100 MHZ video bandwidth, and includes RS-232, infrared, and front panel controls.
- Compatible with Crestron, AMX, Phast Systems and many more.



## R.F. Systems, Inc.

211 E. Simpson St.  
Lafayette, CO 80026  
Ph: 303-604-6881  
1-800-869-5632  
Fax: 303-604-6979  
website: [www.rfsystems.com](http://www.rfsystems.com)

**\*\*CALL 1-800-869-5632** for more information or a free catalogue of innovative products to assist in making your installations easier and less expensive for your customers.

# RC-8-MX Series

## Audio / Video Matrix Router

### Specifications:

#### Video Inputs

Bandwidth ..... 100 Mhz (-3dB)  
(fully loaded)  
Video Standard ..... International  
Level ..... .5 to 2 Volts (p-p)  
Impedance ..... 75 Ohm  
Video Formats ..... Composite, S-VHS,  
Component, RGBhv

#### Video Outputs

Gain ..... Unity  
Impedance ..... 75 Ohm  
Differential Gain ..... .05%  
Differential Phase ..... .07Δ  
Crosstalk at 10 MHz ..... <90 dB

#### Audio Inputs

Bandwidth ..... 1 Mhz (-3dB)  
Gain ..... Unity (optional user adjust)  
Level (un-balanced) ..... .5 to 5 Volts (p-p)  
Level (balanced) ..... .5 to 10 Volts (p-p)  
Impedance (un-balanced) ..... 51k ohm  
Impedance (balanced) ..... 600 ohm  
Input Level Adjustment 0dB to -16dB in 0.5dB  
steps

#### Audio Outputs

Gain ..... Variable -50dB to +31dB in  
2dB steps with mute  
Level (un-balanced) ..... .5 to 5 Volts (p-p)  
Level (balanced) ..... .5 to 10 Volts (p-p)  
Impedance (un-balanced) ..... 100 ohm  
Impedance (balanced) ..... 600 ohm  
crosstalk ..... <100 dB  
THD ..... <0.1%  
SNR ..... <100 dB

#### Connectors

Gold RCA ..... standard  
BNC for video/audio ..... available  
Terminal Blocks for audio ..... available  
Balanced Audio ..... available  
4-Pin Mini Din for S-VHS ..... available

#### Infrared Control

Teaches standard IR learning remotes  
IR controllable functions include routing, output  
volume level, zoned source selection, many more.

#### Keypad Ports (RS-485 + power)

Number of Ports ..... 2  
Number of Keypads ..... 128 supported

RS-232 Interface ..... 9 pin D-sub Female

RS-485 Interface ..... RJ-12 Jack (see keypad  
port)

Protocol ..... 2400-38400 baud,8,1,N

Dimensions ..... 16 ¼ x 13 ¼  
(height depends upon configuration)

Rack Mountable ..... Yes (ears not included)

Shipping Weight ..... 25+ lbs (model dependant)

Power Supply ..... 110-240 Volt auto-  
switch mode

Rack Ears ..... MTX-62-159  
(2-rack housing)  
MTX-62-160  
(3-rack housing)

All specifications subject to change without notice.



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Available through:

