

# RGB 105

## DESCRIPTION

The **RGB 105** is a dedicated IBM PS/2, VGA and VGA compatibles, MAC and MAC compatibles computer-video interface. The **RGB 105** is designed to allow for connection of the PC or MAC's local monitor and a large-screen display monitor or projection system at the same time.

The design of the **RGB 105's** CPU input connector allows for connection of either VGA or MAC PC's through the same cable without degrading image quality or integrity.

## OPERATION

### Horizontal Center:

Shifts the displayed image to the left or right on the screen.

### Level Control:

Raises and lowers the video output level from the original .7 volts input level. The level control allows for an output range of .5 volts to 1 volt Peak to Peak.

### Power LED:

Indicates that the RGB 105 is receiving power.

### Display Output:

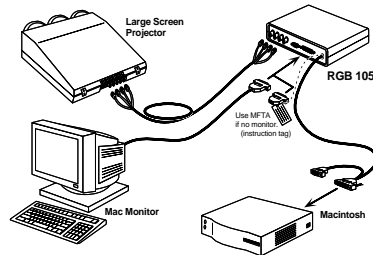
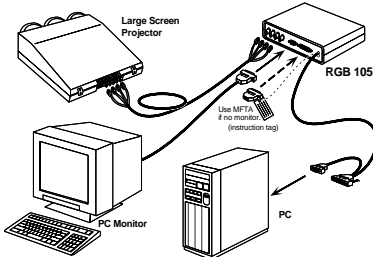
Provides for a standard Red, Green, Blue and Composite Sync output with a voltage range of .5 to 1 volts.

### Local Monitor Outputs:

Allows for connection of either a VGA or MAC computer monitor and a large-screen monitor or projection system.

**Note 1:** When using the **RGB 105** without a local computer monitor (VGA or Mac), the Mac Local Monitor Output connector must be terminated using the MFTA that comes attached to the unit. There is also an instruction tag attached to the MFTA. Also, when using a MAC Powerbook or a VGA Laptop/Notebook computer without a computer monitor, this MFTA must be used.

## CONNECTIONS



### Extron Electronics, U.S.A.

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Singapore

33-084-01

Rev. C

69-05

#5.1

# EMOTIA JR.™ 800

## OPERATION

Extron's **Emotia Jr. 800** converts standard VGA scan rates of up to 800 x 600 to NTSC/PAL and S-Video. The device requires no software. Simply connect it from the PC to the desired display (LCD Projector, CRT Projector, consumer TV, VCR or compatible video display).

### Installation

1. Turn the PC and its monitor **Off**.
2. Connect the input cable's (26-112-15) male end to the PC and the female end to Emotia Jr. 800's 15-pin HD, VGA Input connector.
3. Use the PC monitor's cable to connect to Emotia Jr. 800's VGA Output.
4. Connect the desired output cable (S-VHS or RCA) to the input connector of the display device.
5. Turn PC and PC monitor power **On**.
6. Plug the power supply into a service outlet and plug its cable to Emotia Jr.'s connector marked "Power 9v, 1A".
7. Use Emotia Jr.'s **◀** and **▶** controls to center the image on the screen.
8. Set the front panel "Underscan/Overscan" switch to select the desired image size.

### Two Outputs:

1. **S-Video** - Use this output for devices that use S-Video or S-VHS. This is the highest quality recordable video out of the **Emotia Jr. 800**
2. **Video** = **NTSC** or **PAL** depending on version, an RCA connector provides either NTSC or PAL composite video.

### Operation

**Freeze** - Press this button to capture a still image of a scan-converted computer screen. The LED indicates when Freeze mode is active.

**Underscan/Overscan** - This switch either underscans or overscans the displayed image on the screen. (Use this switch in the **underscan** position when displaying text.)

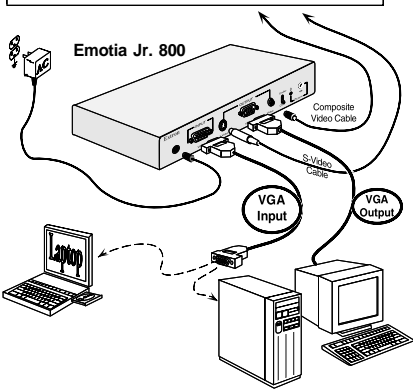
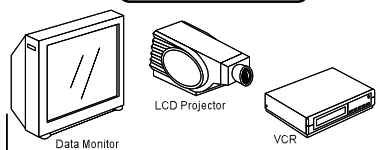
### Flicker Control Switch

Up = Normal Mode  
Mid-position = Flicker Reduction Mode  
Down = Non-Interlaced Mode

### Picture

Vertical Center (⬆) (shifts the image up or down on the screen).  
Horizontal Center (⬅) (shifts the image left or right on the screen).

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