Troubleshooting

Problem	Probable Solution
No image or picture	1) Make sure all cable connections are tight. 2) Confirm that **only** compatible scan rates are coming into the EMOTIA XTREME.
Garbage on the Screen	1) Disconnect and reconnect the input cable. 2) Disconnect and reconnect the Power connector on the EMOTIA XTREME. 3) Press **Freeze** button **On** and then **Off**.
Picture too bright	1) Put termination switch (rear) to the **Out** (**75Ω**) position.
Picture too dark	1) Put termination switch (rear) to the **In** (**Hi Z**) position.
No Color on screen	1) Adjust the Hue/Tint and Color controls on the projector/ monitor. 2) Make sure the video equipment in use matches the format (NTSC, PAL etc.).
Poor recording quality	1) Adjust **sharpness** control on the VCR. 2) Record using the S-VHS output of EMOTIA XTREME.
Picture too big for screen	1) Try the Zoom switch. 2) Adjust the Horizontal sizing control (width). 3) Adjust the Vertical sizing control.

Specifications

Input Signals

Computer Compatibility: VGA, XGA, SUN, Silicon Graphics, PowerPC, VESA, NeXT, PowerMAC, Quadra, PowerBook, Radius and more.

Resolutions .... 320 x 200 up to 1600 x 1280, non-interlacing

Frequencies ... 29 to 92 kHz

Format ..... RGsB, RGBS, RGBHV

Output Signals

Type ..... Composite Video, S-Video, RGBS, Component Video

NTSC ..... 15.75 kHz/60 Hz, 525 lines

PAL ..... 15.63 kHz/50 Hz, 625 lines

Power Supply ..... 100/240 VAC 50/60 Hz (auto-switchable)

Dimensions ..... 10" W x 11.5" D x 1.5" H (25 W x 29 D x 3.8 H cm)

Warranty ..... Two years parts/labor

Shipping Weight .... 9 lbs. (4 kg)

The following cables/adapters ship with the Emotia Xtreme:

13W3/VGA adapter	26-372-01
13W3/VGA monitor cable	26-371-01
Mac HV/VGA Adapter	26-374-05 (with instruction label)
VGA/Mac Adapter Cable	26-340-01 (for Composite Sync)
VGA/Mac Adapter Cable	26-340-02 (for separate H & V)
S-VHS Cable	26-316-02
RCA Cable	26-345-01
BNC/M-RCA/F Adapter	10-264-01

The RGBS cables are provided by the user.

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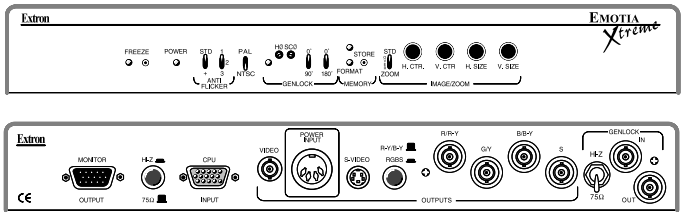
69-12
68-302-01
Rev. A

Extron Electronics
INTERFACING, SWITCHING AND DISTRIBUTION

User's Guide



EMOTIA Xtreme

High Resolution Scan Converter with Genlock

P/N 60-218-01

Extron EMOTIA Xtreme

The Emotia Xtreme does not have a power switch. Make all cable connections before connecting the power cable.

Connecting the EMOTIA Xtreme

Use the following instructions along with the panel drawings and descriptions on the facing page and the application diagram below as a guide to connecting the cables.

VGA PC'S and SUN/SGI (All cables are included)

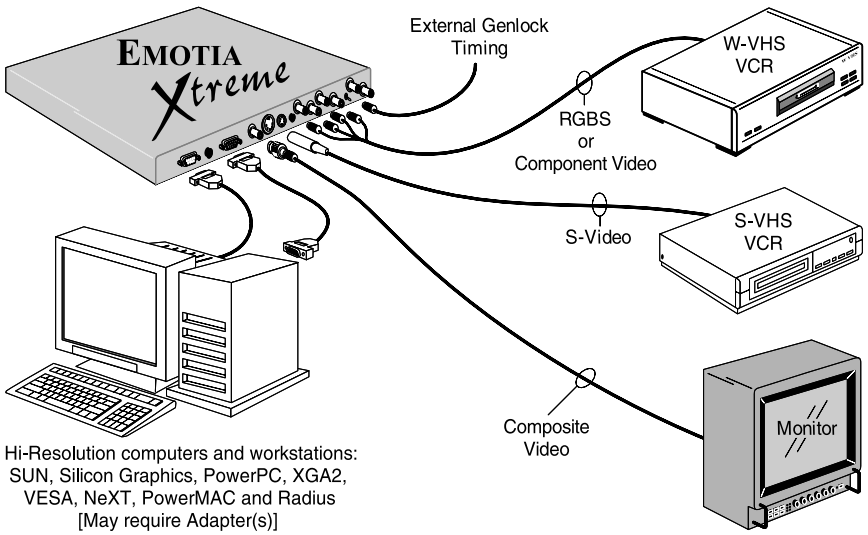
1. Turn the computer and its monitor **Off.** In a SUN/SGI application, connect the provided adapters and proceed to next step.
2. Connect the input cable's (26-112-15) male end to the computer and the female end to the Emotia Xtreme **CPU Input** (J).
3. Use the computer monitor's cable to connect to the **Monitor Output** (H).
4. Connect the desired output cable (Composite, S-VHS, RGBS (for RGBS or Component video)(L) to the output device's input connector.
5. Turn computer and monitor power **On**.
6. Plug the 5-pin din cable from the power supply to **POWER INPUT** (K).
7. Use **EMOTIA XTREME'S** Horizontal Centering, Vertical Centering, Horizontal Size and Vertical Size controls (G) to align the image on the screen.
8. Set the remaining front panel switches as required (use descriptions on facing page to assist you).

MAC Systems (All cables are included)

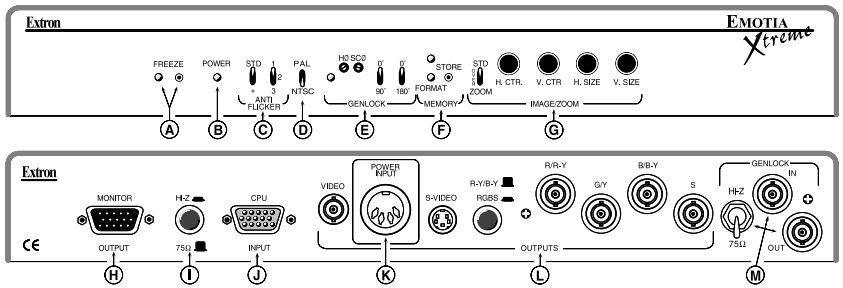
1. Turn the MAC and its monitor **Off.**
2. Connect the Mac/VGA Adapter to the Mac computer - configured for desired scan rate.

In a Mac application, set the Mac/VGA Adapter switches for the monitor being used. This is shown on the adapter label. Composite Sync outputs only if Mac 13" is selected.

Connect the Input Cable (PN# 26-112-15) from the Mac/VGA Adapter to the CPU Input on the **Emotia Xtreme.** Use the appropriate output cable to connect the Mac monitor to the Monitor Output on the **Emotia Xtreme.** (Use diagram below and follow steps 4 through 8 above.)



Hi-Resolution computers and workstations:
SUN, Silicon Graphics, PowerPC, XGA2, VESA, NeXT, PowerMAC and Radius
[May require Adapter(s)]



EMOTIA Xtreme Front and Rear Panels (see panel drawings above)

A. Freeze Button and LED – The Freeze Button is a momentary switch. Press it once to freeze the display on a frame; press it again to release the display. This LED lights when the Emotia Xtreme is in the Freeze Frame mode.

B. Power On LED – This LED is on if power is applied to the unit.

C. Anti Flicker – Six levels of anti-flicker are built into the Emotia Xtreme. Set switches for minimum flicker.

D. PAL/NTSC – This switch selects between two output formats.

E. Genlock Controls – If using Genlock, the two switches combine to make a coarse phase setting between the video output signal and the Genlock signal. These switch settings provide for 0º (in phase), or delayed by 90º, 180º, or 270º (both switches down) after the Genlock signal. The SCØ control is used to "fine-tune" this phase between Genlock sub-carrier (color burst) and the output video. The HØ control is used to adjust the phase between the Genlock Sync and the Output Video Sync.

F. Memory – Store up to 21 sizing and positioning settings for later recall.

G. IMAGE/ZOOM

Zoom – Use sizing controls to adjust magnification up to 200%. Use centering controls to pan around image.

Horizontal Centering Control – This control moves the picture to the left or right on the display screen.

Vertical Centering Control – Rotating this control moves the position of the picture up or down on the screen.

Horizontal Size Control – This adjusts the width of the picture.

Vertical Size Control – This adjusts the height of the picture.

H. MONITOR OUTPUT – Female 15-pin VGA style connector.

I. HI-Z/75Ω Switch – Set to HI-Z if an output monitor is connected, 75Ω position if no output monitor is connected.

J. CPU INPUT – Male 15-pin VGA style connector. Monitor output from CPU connects here.

K. POWER INPUT connector

L. Outputs:

VIDEO (BNC connector) – Composite video output

S-VIDEO connector – S-Video (S-VHS) output

RGBS Switch – Selects RGBS or Component video output.

RGB Output (4 BNC connectors) – RGBS/Component video output depending on position of RGBS switch.

M. GENLOCK – Genlock IN and OUT BNC connectors and impedance switch. The Genlock source must be connected to the BNC marked "In". The Genlock Out connector allows the signal to be passed on to another video device. If 75Ω termination is provided elsewhere (at a device connected to Genlock Out, for example), put the switch to the HI Z position. If there is no other Genlock termination, set the switch to 75Ω.