

Extron Electronics

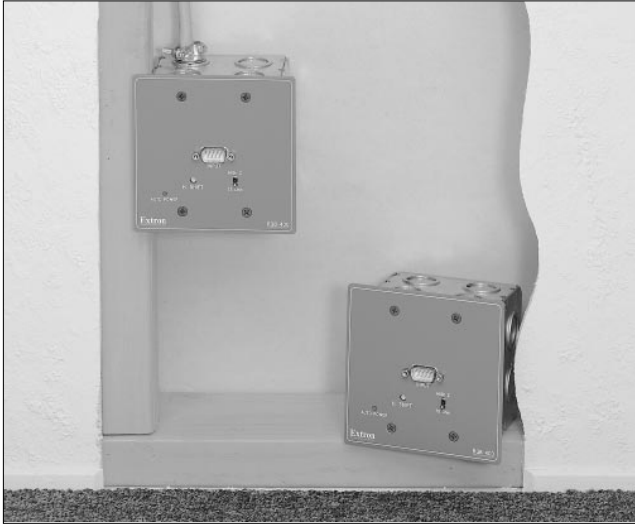
INTERFACING, SWITCHING AND DISTRIBUTION



RGB 400 AND 402 - MOUNTABLE INTERFACES



RGB 400



Extron introduces the *new* RGB 400— a universal, two gang, mountable interface that combines the flexibility of a full featured interface with high performance standards and specifications. The RGB 400 is a 200 MHz bandwidth, universal analog and ECL computer-video interface that allows the connection of many popular computers to large screen display products. The RGB 400 is compatible with computer-video signals with frequencies between 15-150 kHz including VGA, Super VGA, XGA, XGA-2, MAC, Quadra, SUN, SGI and more!

The RGB 400's aesthetic appeal starts with its modular design as it fits flush into a wall, podium or table attaching to a standard, two gang mountable plate. Extron also offers a selection of gray, black or white face plates to match the surface in which the RGB 400 is mounted.

Enhancement features include jumper selectable level control and peaking adjustments which allow for variable distances up to 200 feet without any reduction in signal quality. When using the RGB 400 with an Extron MBC input cable, it is possible to view the connected computer's monitor and the large screen display device simultaneously. The RGB 400 also features a 75 ohm termination switch that allows for video termination when a local computer monitor is not connected.

FEATURES

- **Horizontal centering**— Allows the input computer source to be shifted horizontally on a presentation monitor or projector screen.

brightness level of the displayed image. This control is similar to a brightness control on a data monitor.

- **Peaking**— Adjusts the sharpness of the displayed image. Similar to a sharpness control on a data monitor, peaking compensates for high frequency loss due to cable capacitance and bandwidth loss.
- **Sync output**— The RGB 400 provides six BNC connectors for composite sync and H&V sync output. The RGB 400 will output sync on green only if a sync on green signal is input.
- **Built-in LCD and DLP signal processing**— Sync is output in its original state ensuring compatibility with digital display products.
- **75 ohm input termination switch**— Offers 75 ohm video termination for applications where a local computer monitor is not being used.

SPECIFICATIONS

Input signals

Video	
Bandwidth	200 MHz
Levels3 - 1.45 volts p-p
Sync	RGsB, RGBS & RGBHV

Output signals

Video	Analog
Levels	Unity, .8 volts, .9 volts/ peaking (jumper selectable)
Sync	RGsB (only when RGsB is input), RGBS & RGBHV
Horizontal	15-150 kHz (optimum 15 -62 kHz)
Vertical	30-170 Hz

Power requirements..... 12-24 VDC/AC 250 mA

Dimensions

Plate	4.5" W x 4.5" H (11.43 x 11.43 cm)
Box	3.63" W x 3.75" H x 3.5" D (9.2 x 9.5 x 8.9 cm)
Interface	3.5" W x 2.8" H x 3" D (8.9 x 7 x 7.6 cm)

Shipping weight 2 lbs (.9 kgs)

Warranty Two years, parts & labor

Part numbers:

RGB 400G	60-222-01
RGB 400B	60-222-02
RGB 400W	60-222-03

RGB 402



Extron introduces the *new* **RGB 402**— a universal, three gang, mountable interface that combines the flexibility of a full featured interface with high performance standards and specifications. The RGB 402 is a 200 MHz bandwidth, universal analog and ECL computer-video interface that allows the connection of many popular computers to large screen display products. The RGB 402 is compatible with computer-video signals with frequencies between 15-150 kHz including VGA, Super VGA, XGA, XGA-2, MAC, Quadra, SUN, SGI and more! Additionally, the RGB 402 provides a pass through connection for composite video, S-Video, two channel stereo audio and RJ-45 network connection.

The RGB 402's aesthetic appeal starts with its modular design as it fits flush into a wall, podium or table attaching to a standard, three gang mountable plate. Extron also offers a selection of gray, black or white wall plates to match the surface in which the RGB 402 is mounted.

Enhancement features include jumper selectable level control and peaking adjustments which allow for variable distances up to 200 feet without any reduction in signal quality. When using the RGB 402 with an Extron MBC input cable, it is possible to view the connected computer's monitor and the

also features a 75 ohm termination switch that allows for video termination when a local computer monitor is not connected.

FEATURES

- **Horizontal centering**— Allows the input computer source to be shifted horizontally on a presentation monitor or projector screen.
- **Pass through connection**— The RGB 402 provides a pass through connection for composite video, S-Video, two channel stereo audio and RJ-45 network connection.
- **Level control**— Allows for adjustment of the brightness level of the displayed image. This control is similar to a brightness control on a data monitor.
- **Peaking**— Adjusts the sharpness of the displayed image. Similar to a sharpness control on a data monitor, peaking compensates for high frequency loss due to cable capacitance and bandwidth loss.
- **Sync output**— The RGB 402 provides six BNC connectors for composite sync and H&V sync output. The RGB 402 output sync on green only a if sync on green signal is input.
- **Built-in LCD and DLP signal processing**— Sync is output in its original state ensuring compatibility with digital display products.

SPECIFICATIONS

Input signals

Video

Bandwidth	200 MHz
Levels3 - 1.45 volts p-p
Sync	RGsB, RGBS & RGBHV

Output signals

Video

Video	Analog
Levels	Unity, .8 volts, .9 volts/ peaking (jumper selectable)
Sync	RGsB (only when RGsB is input), RGBS & RGBHV
Horizontal	15-150 kHz (optimum 15 -62 kHz)
Vertical	30-170 Hz

Power requirements 12-24 VDC/AC 250 mA

SPECIFICATIONS (Cont.)

Dimensions

Plate	6.4" W x 4.5" H (16.2 x 11.43 cm)
Box	3.6" W x 3.75" H x 3.5" D (9.2 x 9.5 x 8.9 cm)
Interface	5.3" W x 2.8" H x 3" D (13.5 x 7 x 7.6 cm)

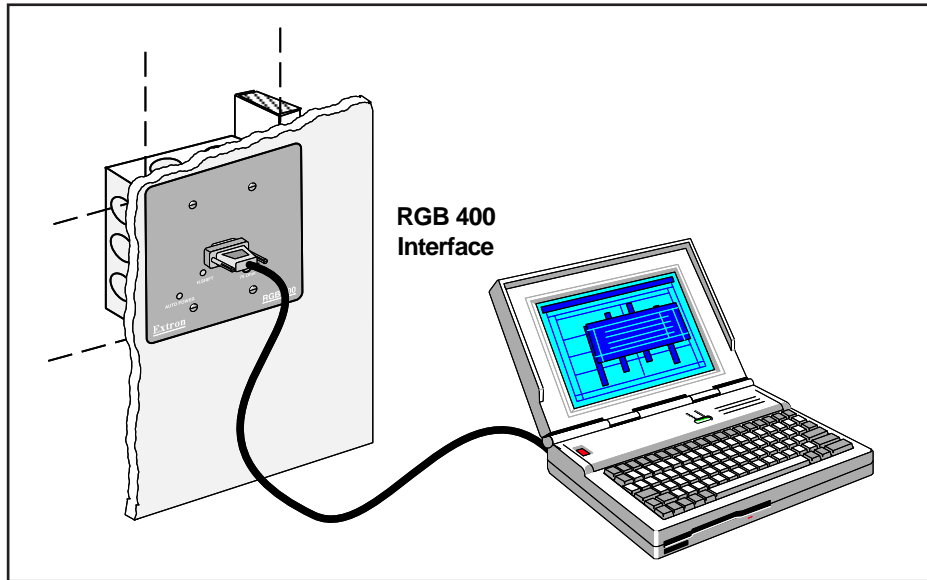
Shipping weight 2 lbs (.9 kgs)

Warranty Two years, parts & labor

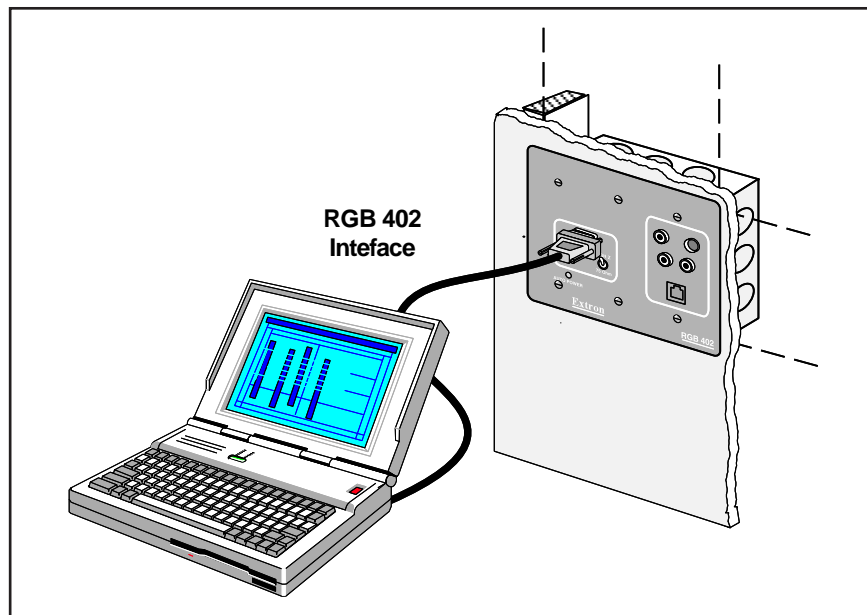
Part numbers:

RGB 402G	60-231-01
RGB 402B	60-231-02

RGB 400 APPLICATION DIAGRAM



RGB 402 APPLICATION DIAGRAM



EXTRON ELECTRONICS/RGB SYSTEMS, INC.
1230 South Lewis Street, Anaheim, CA 92805
800.633.9876 714.491.1500 FAX 714.491.1517
U.S.A.

EXTRON ELECTRONICS, EUROPE
Beeldschermweg 6C, 3821 AH Amersfoort
+31.33.453.4040 FAX +31.33.453.4050
The Netherlands

EXTRON ELECTRONICS, ASIA
41B Kreta Ayer Road, Singapore 089003
+65.226.0015 FAX +65.226.0019
Singapore

EXTRON ELECTRONIC INFORMATION
EXTRONWEB™: www.extron.com
EXTRONFAX™: 714.491.0192
24-hour access—worldwide!