

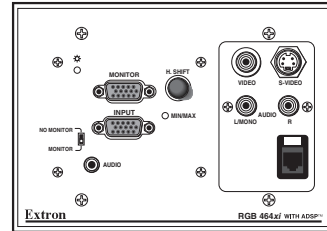


**IMPORTANT:**  
Refer to [www.extron.com](http://www.extron.com) for the complete user guide and installation instructions before connecting the product to the power source.

## RGB 460xi Series • Setup Guide

This guide provides basic instructions for an experienced technician to install the Extron RGB 46x series of architectural adapter plates (AAP) plates.

For additional details see the *RGB 460xi Series User Guide* at [www.extron.com](http://www.extron.com).



### Disconnect Power

Turn off all equipment. Disconnect the computer, the interface, and output devices from the power source.

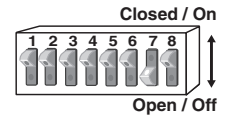
### Attach AAPs

Attach any optional AAPs to the interface (RGB 468xi, RGB 468 Mxi, or RGB 468xi AKM UK only), before connecting cables (see the *RGB 460xi Series User Guide* for more details).

### Set DIP Switches

A bank of DIP switches, (see item ① on the rear panel diagram on the next page), controls various options. Moving a switch up sets it **On** as shown by switch 7 at right. Moving it down sets it **Off**.

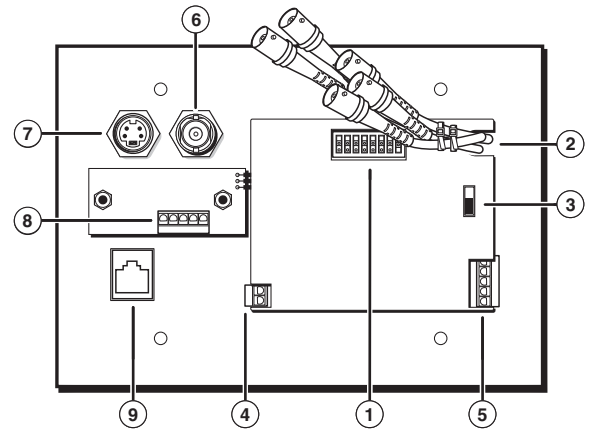
**NOTE:** The default for all DIP switches, except switch 7, is off (down). Switches 7 and 8 work together for sync routing. They cannot both be set to on, nor can both be set to off.



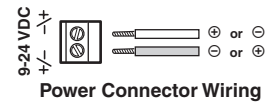
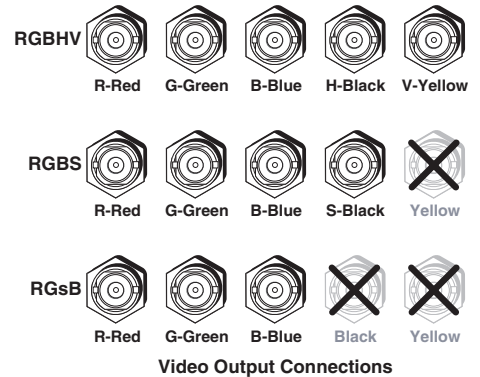
Switch Number	Function	Setting	Description
1	Sync on green	Off	Outputs separate horizontal and vertical sync on the H and V connectors for RGBHV.
		On	Outputs sync on green (SOG).
2	Composite sync	Off	Outputs RGBHV or RGSB video.
		On	Outputs combined horizontal and vertical sync for RGBS.
3	Digital Display Sync Processing (DDSP™)	Off	Interface performs sync process operations with Advanced Digital Sync Processing (ADSP™).
		On	Interface uses DDSP.
4	Serration pulse	Off	Serration pulses are off.
		On	Serration pulses are on.
5	Vertical sync pulse width	Off	Wide
		On	Narrow
6	Negative sync	Off	Output sync same as input.
		On	Output sync for to negative polarity.
7	Composite sync routing	Off	Must be set to <b>Off</b> if switch #8 is <b>On</b> .
		On	Sync routing to 15-pin HD local monitor for all Macintosh® (other than 13 inch) and VGA monitors (default).
8		Off	Must be set to <b>Off</b> if switch #7 is <b>On</b> .
		On	Sync routing to 15-pin HD local monitor for Macintosh 13 inch monitors.

## Cable the Rear Panel

- ① **DIP Switches** — Used to set options, see previous page.
  - ② **RGB video output connectors** — Attach video cables from the interface to the display device using these female BNC connectors. See the video output connections diagram (below right) for the wiring diagrams.
  - ③ **Gain switch** — To compensate for longer cable runs, slide this switch to select the level of video gain that yields the sharpest picture.
  - ④ **Power connector** — Connect a 9 to 24 VDC power supply to this 3.5 mm, 2-pole, direct insertion captive screw connector. Wire the connector as shown below at right. Polarity is not important.
  - ⑤ **Audio output connector** — Insert wires into and tighten the screws on this 3.5 mm, 5-pole, direct insertion captive screw connector for unbalanced or balanced audio output. Wire the connector as shown in the audio wiring diagrams below at right.
- NOTE:** Items ⑥, ⑦, ⑧, and ⑨ are features of the RGB 464xi interface only.
- ⑥ **Composite video pass-through BNC connector** — A male BNC connector attaches here.
  - ⑦ **S-video pass-through 4-pin mini-DIN connector** — A male 4-pin mini-DIN connector attaches here.
  - ⑧ **Balanced active audio output connector** — Insert wires into this 3.5 mm, 5-pole, direct insertion captive screw connector for balanced active audio output, then tighten the screws. Wire the connector as shown below at right.
  - ⑨ **Network pass-through RJ-45 connector** — If this connector is not required, a blank cover is supplied to fill the opening.



Rear Panel Connections and Switches



Power Connector Wiring

**CAUTION:** For an unbalanced stereo output, connect the sleeves to the ground contact. **DO NOT** connect the sleeves to the negative (-) contacts.

## Apply Power and Test the Interface

Apply power to the interface. The power LED on the front panel lights.

Before mounting into the wall, connect all input sources to the interface. Power up all AV devices connected to the interface. Check that all are working properly. If not, check cabling and switch settings, and make adjustments as necessary.

## Disconnect Power and Mount the Interface

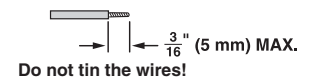
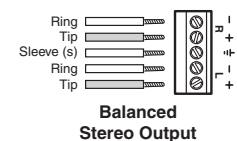
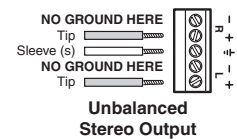
Disconnect power from all the devices except the interface.

Mount the interface as explained in the appropriate installation guide.

## Connect Power

Once the interface is properly mounted, restore power to all connected devices.

The interface is now ready for operation.



Audio Wiring

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