

Setup Guide — RGB 160xi and RGB 164xi

The Extron® RGB 160xi and RGB 164xi interfaces accept RGBHV video and unbalanced stereo audio input and provide one buffered local monitor output, one balanced or unbalanced stereo audio output, and one (RGB 160xi) or two (RGB 164xi) remote video outputs.

IMPORTANT:
Refer to www.extron.com for the complete user manual and installation instructions before connecting the product to the power source.

CAUTION These instructions provide a quick setup guide for experienced installers. Installation and service must be performed by authorized personnel only.

Step 1 — Disconnect power

Turn off all equipment and disconnect their power sources.

Step 2 — Configure sync settings

WARNING Changes to internal jumpers must be performed by authorized service personnel only. Take steps to prevent electrostatic discharge.

- Open the interface and locate jumper blocks **J20** and **J40** (see the figure at right).

- Set the sync polarity (**jumper J20**):

To force H and V output syncs to negative, connect pins 1 and 2.

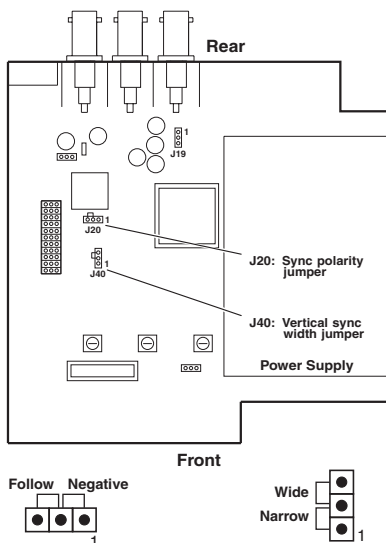
For output sync to follow input sync, connect pins 2 and 3 (default setting).

- Set vertical sync pulse width (**jumper J40**).

For a narrow V output sync pulse, connect pins 1 and 2.

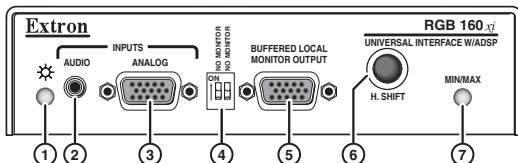
For a wide V output sync pulse (default setting), connect pins 2 and 3.

- Replace the cover.



Step 3 — Mount the interface

The interface can be mounted on a desk, in a rack (RGB 164xi only), under a desk, or through a desk. See the *RGB 160xi and RGB 164xi User's Guide* for details.



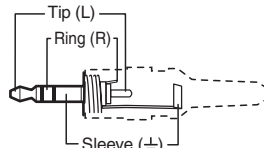
NOTE This figure shows the RGB 160xi front panel. The features of the RGB 164xi front panel are similar.

Step 4 — Connect video input

Connect an RGBHV, RGBS, RGsB, or RsGsBs video input to the 15-pin HD input connector on the front panel (③).

Step 5 — Connect audio input

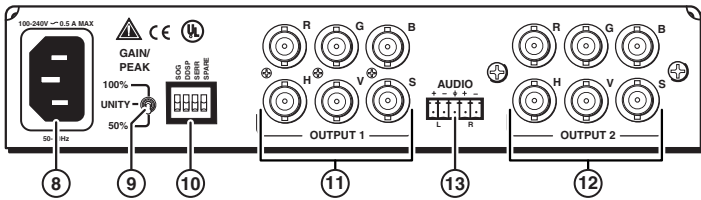
Connect an unbalanced stereo audio source to the 3.5 mm mini Tip-Ring-Sleeve (TRS) stereo audio connector (②) for unbalanced audio input. Wire the plug as shown in the figure at right.



Step 6 — Connect local monitor

If required, connect a local monitor to this 15-pin HD connector (⑤).

Setup Guide — RGB 160xi and RGB 164xi (cont'd)



NOTE This figure shows the RGB 164xi rear panel. The features of the RGB 160xi rear panel are similar except there is no Output 2 (12).

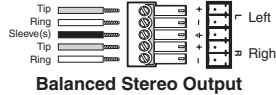
Step 7 — Connect video output(s)

Connect the RGBHV, RGBS, or RGSB video displays to Output 1 (11) and, if required, Output 2 (12 — RGB 164xi only), as shown in the figure at right.



Step 8 — Connect audio output

Connect an audio device to the five-pole, 3.5 mm captive screw connector (13). Follow the wiring diagram below for unbalanced or balanced stereo output.



CAUTION For unbalanced audio, connect the sleeve(s) to the center contact ground. **DO NOT** connect the sleeve(s) to the negative (-) contacts.

Step 9 — Connect power

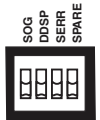
Connect a standard IEC AC power connector (100-240 VAC, 50-60 Hz) to this socket (9). Power on input and output devices.

Step 10 — Set rear panel DIP switches

The first three rear panel DIP switches (10) control:
Sync on Green (SOG) — Set to on (up) for RGSB output; set to off for RGBHV or RGBS output.

Digital Display Sync Processing (DDSP™) — Set to off (down) for sync processing; set to on (up) for no sync processing (may be needed for some LCD and DLP plasma displays).

Serration Pulses — Set to on (up) to keep serration pulses; set to off to remove them. If there is flapping or bending at the top of the video image, set this switch to off.



NOTE Turning on the DDSP switch disables the horizontal shift.

Step 11 — Set rear panel Gain/Peak switch

This rear panel switch (9) can be set to Unity (no gain and no peaking), gain with 50% peaking, gain with 100% peaking. For cable runs of 125 feet or less, use the Unity setting.

Step 12 — Set front panel DIP switches

These front panel ID bit termination DIP switches (4) must both be set to on (up) if using a laptop and no local monitor. Both switches must be set to off if using a local monitor.

Step 13 — Adjust horizontal shift

This front panel knob (6) adjusts the horizontal shift of the remote output display device(s).

Extron USA - West Headquarters +800.633.9876 Inside USA / Canada Only +1.714.491.1500 +1.714.491.1517 FAX	Extron USA - East +800.633.9876 Inside USA / Canada Only +1.919.863.1794 +1.919.863.1797 FAX	Extron Europe +800.3987.6673 Inside Europe Only +31.33.453.4040 +31.33.453.4050 FAX	Extron Asia +800.7339.8766 Inside Asia Only +65.6383.4400 +65.6383.4664 FAX	Extron Japan +81.3.3511.7655 +81.3.3511.7656 FAX	Extron China +400.883.1568 Inside China Only +86.21.3760.1568 +86.21.3760.1566 FAX	Extron Middle East +971.4.2991800 +971.4.2991880 FAX	68-549-50 Rev. A 02 10
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