

Setup Guide — RGB 109xi

The Extron® RGB 109xi is a dedicated computer-video interface with a 15-pin HD connector.

CAUTION

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

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

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.

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

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

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

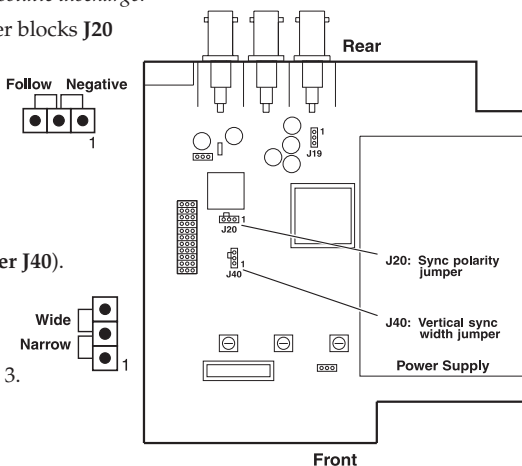
For output sync to follow input sync, connect pins 2 and 3 (default setting).

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

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

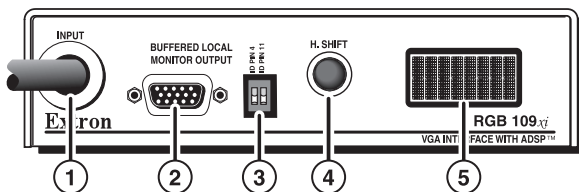
For a wide V output sync pulse (default setting), connect pins 2 and 3.

- d. Replace the cover.



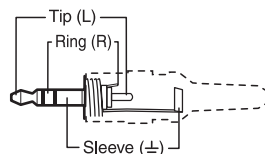
Step 3 — Mount the interface

The interface can be mounted on a desk, under a desk, or through a desk. See the *RGB 109xi and RGB 112xi User's Guide* for details.



Step 4 — Connect video and audio input

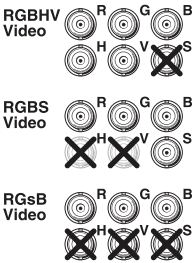
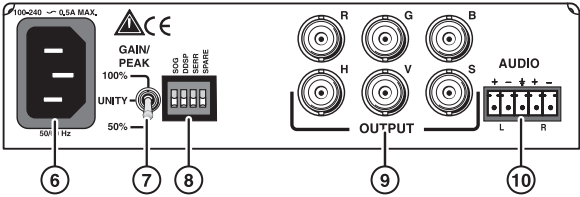
The video and audio connectors are on a 4 foot (122 cm) cable (①). Connect the 15-pin HD male connector to the computer video output and the 3.5 mm tip-ring-sleeve (TRS) audio connector to the unbalanced computer audio output. Wire the audio connector as shown in the figure at right.



Step 5 — Connect local monitor

If required, connect a local monitor to this 15-pin HD connector (②).

Setup Guide — RGB 109xi (cont'd)

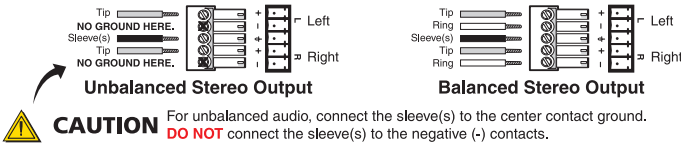


Step 6 — Connect video output

Connect a RGBHV, RGBS, or RGsB video display to the video output (9), as shown in the figure at right.

Step 7 — Connect audio output

Connect an audio device to the five-pole, 3.5 mm captive screw connector (10). Follow the wiring diagram below for unbalanced or balanced stereo output.



Step 8 — Connect power

Connect a standard IEC AC power connector (100-240 VAC, 50-60 Hz) to this socket (6). Power on input and output devices.

Step 9 — Set rear panel DIP switches

The first three rear panel DIP switches (8) 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 (down) to remove them. If there is flagging 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 10 — Set rear panel Gain/Peak switch

This rear panel switch (7) 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 11 — Set front panel DIP switches

These front panel ID bit termination DIP switches (3) must both be set to on (up) if using a laptop and no local monitor. Both switches must be set to off (down) if using a local monitor.

Step 12 — Adjust horizontal shift

This front panel knob (4) adjusts the horizontal shift of the remote output display device(s).

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