

Setup Guide — SEQ 100 15HD

This sheet provides quick start instructions for an experienced installer to set up and operate the SEQ 100 15HD Skew Equalizer.

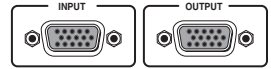
IMPORTANT:
Refer to www.extron.com for the user manual and installation instructions before connecting the product to the power supply.

Step 1 — Powering down and mounting

Power off all devices and disconnect them from the power source, then mount/locate the SEQ 100 as desired.

Step 2 — Connecting the input and output devices

Connect an RGB source to the 15-pin HD input connector, and connect an RGB display to the 15-pin HD output connector. See the example application illustration below.



Step 3 — Connecting power

Plug the 12 VDC power supply into the 2-pole captive screw connector.



Step 4 — Adjusting for skew equalization

The skew equalizer provides 3 separate time delay circuits on the red, green, and blue video lines. Each time delay circuit can be adjusted using the three rotary switches, from 0 to 39 nanoseconds, to properly align the red, green, and blue signals on the displayed image. To adjust the skew:



- Rotate all 3 rotary switches to the zero (0) position.
- Use UTP cable test equipment or examine the displayed video image with a critical eye to determine which video signal (red, green, or blue) is most shifted to the left.

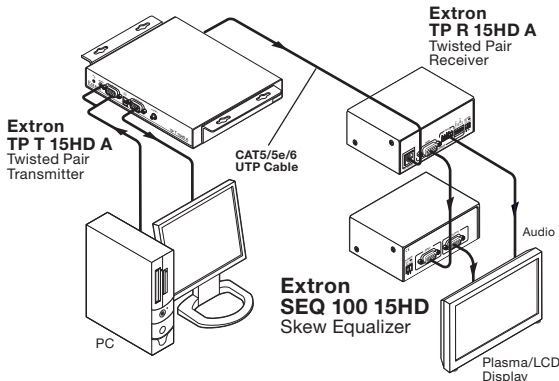
NOTE A crosshatch test pattern is ideal for determining pair skew.

- Adjust the left-shifted video signal's rotary switch one step at a time while monitoring the display. Step the switch until the video signal is properly converged.

NOTE The SEQ 100 cannot shift the rightmost video image to the left.

- If either of the other signals is misconverged, repeat steps a and b. See the table below for switch positions.

Position	Delay	Position	Delay	Position	Delay	Position	Delay
0 (0)	0 ns	4 (4)	10 ns	8 (8)	20 ns	12 (12)	30 ns
1 (1)	3 ns	5 (5)	13 ns	9 (9)	23 ns	13 (13)	33 ns
2 (2)	6 ns	6 (6)	16 ns	10 (10)	26 ns	14 (14)	36 ns
3 (3)	9 ns	7 (7)	19 ns	11 (11)	29 ns	15 (15)	39 ns



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