

Aurora Design SCM Standards Converter

525/30i (NTSC) and 625/25i (PAL) to 24/20p through 60/20p

Selector Position	Output Standard	Selector Position	Output Standard
0	24/20p	8	48/15p
1	30/12.5p Baird	9	48/20p
2	30/12.5p TeKaDe	A	48/25p
3	30/16.6p	B	50/25p
4	32/12.5p NBTv	C	60/12.5p Baird
5	36/10p	D	60/20p
6	39/12.5p	E	60/25p
7	45/15-3i Western	F	Not Used

Selector Position	Option Function
0	Sleep Mode
1	Gamma Correction
2	Invert Output
3	Default Image Select
4	Edge Rate Control
5	Frame Buffer Count
6	Black Level Control
7	Reverse Line
8	Reverse Frame
9	Reference Polarity
A	Reference Fast Tracking
B	Reference Hold

Note: To change an Option Setting, depress the Option Button for 1 second to enter the Option Setting Mode. Turn the Selector Switch to the desired position. The Status LED will blink Green for enabled, Red for disabled, and Yellow for not supported. Momentarily press the Option Button to toggle the setting. When finished, depress the Option Button for 1 second to exit the Option Setting Mode. Note: the Option Setting Mode will automatically exit if no changes are made for 1 minute.

Aurora Design SCM Quick Start Guide

This Quick Start guide is designed to help you get the converter connected and operating in a minimum of time. Please follow the step-by-step procedure outlined below:

- 1) An AC mains power adapter must be provided separately. It should be capable of supplying 9VDC at 200ma and have a standard 2.1mm X 5.5mm, center positive jack. (A 12VDC adapter is recommended for use with the SCM-01D converter with the internal Current Driver when attached to an NEL-1M lamp)
- 2) The appropriate output standard should be selected on the rear panel Selector switch. All user selectable options are factory set to the most common positions and do not require changes at this point.
- 3) The Video Output from the converter should be connected to the user supplied lamp driver and lamp. If using the internal Current Driver of the SCM-01D converter, just connect the 2.5mm X 5.5mm output connector to the NEL-1M lamp. (Note if the lamp does not light reverse the leads, also make sure Black Level Control is Enabled)
- 4) If you are connecting to a television that utilized the AC Mains so sync, than a small AC Mains transformer between 6-12 VAC should be connected to the Reference Input of the converter. This will supply the required sync signal for televisions like the Western Visionette. If you are connecting to a television that utilized the video signal for sync like the Baird Televisor, you need to supply a low pass filter and amplifier to process the video signal and drive the phonic coils on the Televisor.
- 5) With everything powered up, you should now have the default image displayed on the television. It may be out of phase and not centered in the viewing window. There should be provisions on the television for phasing the image. Additionally you can phase the frame by depressing the Auxiliary Button on the converter. Each time it is momentarily depressed, the image will move down one line. Each time it is held down for 1/2 seconds, the image will move up one line.
- 6) You may now connect an appropriate video source to the converter. This can be a DVD, VCR, tuner, satellite receiver, etc. The Status LED should now be Green if a Reference input is attached, or Yellow if not, and the video should be seen on the television.
- 7) If you wish to replace the user default image in the converter, connect a stable, stationary video source to the converter, then press and hold the Aux Button on the back panel for 4 seconds. The Status LED will start blinking rapidly. This will take approximately 15 seconds and the unit will return to normal. Note - The video must remain stable and stationary during the flash process. A DVD on pause is a good source for this.