



6 Steps to Re-Powering Your LED Board

If your facility was impacted by the recent COVID-19 mandated closures, or you have returned to your facility from the off-season, and the LED screens were fully powered down there are proper steps to take to energize the equipment.

-STEP 1-

Check electrical breakers sending power to the LED.

First things first, identify the power source for the LED board. If this has been shut off previously then you will need to start elsewhere first before restoring power. Additionally, ensure that all individual breakers are in the off position and not only the main breaker.

-STEP 2-

Power up the control room.

After confirming that power is down at the LED board, go to the control room and begin to restore power to the devices. These devices would include the content delivery systems, scalers, video processors, fiber transmitters, etc. Turn on components one at a time as is possible. This reduces strain on the electrical systems in the rack and prevents unintentional breaker trips.

If the LED system includes a PLC, ensure the module is powered up and all virtual switches are disengaged or in the off position.

-STEP 3-

Validate the output video signal within the control room.

When all power is restored verify the output video signal on a confidence monitor or use a spare computer monitor to view the signal from a DVI output. This will narrow down any troubleshooting steps with unexpected outages. Resolve any video feed issues here before continuing.

-STEP 4-

Send a “video black” signal output to the LED board.

Before returning to the LED board to turn on the power, send a “video black” signal to the LED board. Simply put, this means stop any content feeding the board and send only a black signal. A signal is still required to start up the board efficiently but having content on the output can increase strain on the electrical system and power supplies during the LED energize process.

-STEP 5-

Power on the breakers at the LED board.

It's now time to apply power to the board. Return to the electrical panel and turn on the breakers that power the board individually. Make sure to pause approximately 5 seconds between each breaker to prevent power surges in the main electrical panel. If possible to identify, power up any fiber receivers prior to applying power to the LED modules and panels.

If the LED system includes a PLC, turn on each switch on the PLC module in the control room in a similar fashion.

-STEP 6-

Send video signal to complete the process.

Return to the control room and send a normal video signal. The LED board should now display the signal properly and be ready to return to service for the next event.

For Additional Help

If after following these steps there are outages on the LED board please contact Southpaw Service for assistance at:

(469)299-4111

or service@southpawlive.com.

We have technicians ready to assist as our country returns to hosting great sporting events!

For more information on any of the services Southpaw offers, please
contact service@southpawlive.com
