

Light Engine Quickstart Guide

AURA, SPECTRA, CELESTA, ZIVA Light Engine Models

Interlock Set-up

- **Key control**- Insert key on front panel of Light Engine, turn to “ON” position.
- **Remote interlock**- Insert green hardware plug in rear plate of Light Engine.
- **External gate**- Insert 3.5mm diameter jumper plug, OR connect microscope interlock cable.
- **Output aperture** - Insert liquid light guide (LLG) in front panel aperture and secure set screw; OR screw in optical fiber.

Turning Light Engine On/Off

- **Power cord**- Connect DC power supply to Light Engine. Then connect DC power supply to wall socket to begin automatic power-up.
- **Boot-up**- Initiation takes approximately 30 sec; fan will start and stop and display will populate.
- **Front panel display**- Light Engine is ready when display shows the IP address.
- **Shut down**- Either press the power button on the front panel, OR if GUI is operational, use the shutdown command.

Accessing the web-GUI

- **Ethernet Cable**- Connect the Light Engine and computer with a standard Ethernet cable.
- **Computer use**- Change the computer’s IP static address to 192.168.201.201 and the Subnet mask to 255.255.255.0. More information in our LAN Set-Up documentation: https://cms.lumencor.com/system/uploads/fae/file/asset/129/LAN_Set_Up.pdf
- **Light Engine Communication**- Navigate computer’s web browser to 192.168.201.200.
- **Using the web GUI**-
 - Turn color band on: Select any open circle next to a channel to turn it on.
 - Intensity control: Adjust with SW slider or and define intensity; or click and define power.

WebGUI - Settings Tab

- **System configuration**
 - USB 5V: ENABLE for POD usage; or DISABLE for PC usage (or for POD usage with external power supply.)
 - TTL inputs: Set on/off channel control via ENABLED/DISABLED. Set TTL polarity: POSITIVE/NEGATIVE.
- **Legacy mode configuration**
 - Use “LEGACY” mode for control with pre-2018 releases of NIS Elements, MicroManager, MetaMorph and other third-party image acquisition control software packages.
 - Use “STANDARD” mode for control with software implementing the commands described in Lumencor’s Light Engine Command Reference (Document Number 57-10018).

Further Questions? Contact Technical Support at techsupport@lumencor.com or call 503.213.4269 (ext. 1)