

LIVESPARK CONTROLLER

Complete FirePixel Control + Stage3D Visualizer



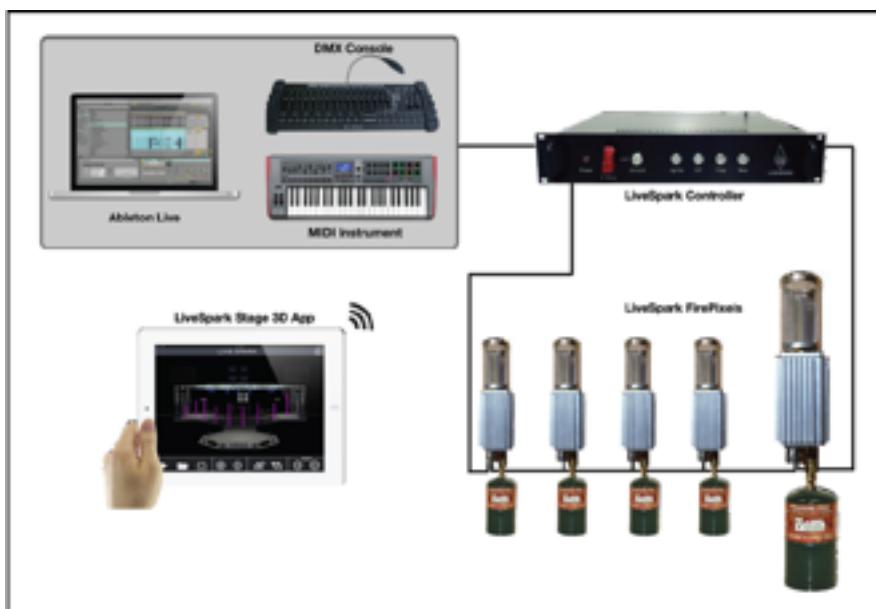
FirePixels go beyond what is expected in highly responsive, safe and efficient flame effects. To get the most from your system, LiveSpark offers the LiveSpark Controller and Stage3D Visualizer application.

The LiveSpark Controller interfaces with as many as 512 FirePixels and accepts inputs from most industry standard performance control systems such as DMX light boards, MIDI devices, and network signal generators. An ethernet port accepts

control commands from any external network broadcaster, such as Ableton Live with the FirePixel plugin provided by LiveSpark.

The LiveSpark Controller communicates with and receives status from each FirePixel via a dedicated bi-directional command protocol for accurate control and status validation. To further increase safety, the controller features four levels of shutoff including nominal operation off button, key lockout, emergency stop (e-stop) switch and an optional Operator Presence Control (Deadman's Switch). And because each FirePixel responds up to 30 times per second and is adjustable in 256 selectable heights, integration with the LiveSpark controller can produce multi-dimensional effects, sequences, and chain effects normally possible only with traditional lighting, but now realized in high definition fire.

The LiveSpark Stage3D is a complete visual rendering and monitoring software app that visualizes the expected behavior of a FirePixel installation on practically any wireless display device. The network address and realtime status of each FirePixel is displayed in 3D against the backdrop of a user created stage photo. Nominal performance visualization are represented graphically in 3D block or animated fire simulation. Any FirePixel error condition that may occur such as "out of fuel" or "failure to ignite" is highlighted graphically and textually on the display as it occurs.



FirePixels are designed for ultimate ease of use, portability, control, and safety. The LiveSpark FirePixel Controller works seamlessly with the lighting programs you are already using today.

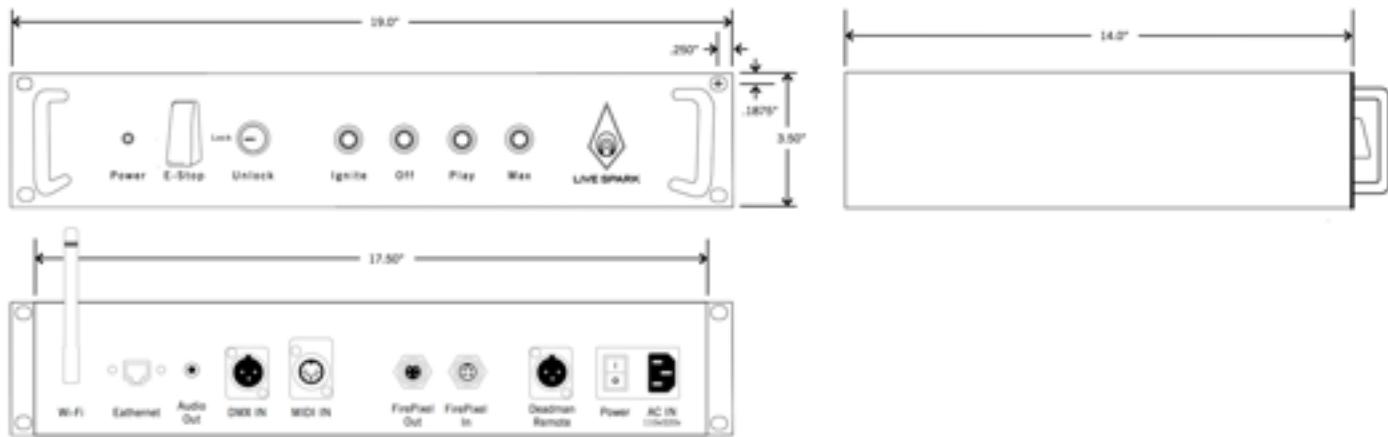
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Controllability, safety and flexibility

The LiveSpark Controller is designed to work seamlessly with the lighting and effects systems you are already using today. And with FirePixel's dedicated bidirectional command and feedback loop, the LiveSpark Controller reports exactly what is happening with each FirePixel through the LiveSpark Stage3D visualizer application.

- Bidirectional control directly from the LiveSpark Controller - no computer required.
- LiveSpark Stage3D visualizer application available for Mac, PC, iPhone, iPad and Android devices.
- Multiple Stage3D monitoring devices can connect simultaneously over a secure Wi-Fi network.
- Supports DMX, MIDI commands with no computer or software needed. An ethernet port allows for UDP network command input using a wide range of third-party software solutions.
- Nominal operation off button, key lockout, emergency stop (e-stop) switch and an optional Operator Presence Control (Deadman's Switch) for safety.
- Visual error display and text labels show exactly what is happening with each FirePixel in real time.



Operating Modes: Power On/Off, Locked/Unlocked, Start/Stop Demo, Manual Blast (100%)

Inputs: Ethernet, DMX In, MIDI In, FirePixel Input, "Deadman" Operator Presence Remote (optional)

Outputs: FirePixel Output, Demo Audio Out

Power: 110v/220v AC; IEC 320 power cable