

### Overview

CueServers are powerful lighting control and show playback processors designed to be completely self-contained and extremely cost effective. Available in a series of models, these powerhouse controllers provide limitless solutions to the lighting professional.

The CueServer 2 Mini (CS-920) is the smallest of the CueServer 2 models and is housed in a rugged anodized aluminum enclosure suitable for desktop use or panel, DIN, or truss mounting using optional bracket kits.

The CueServer 2 Mini can output shows utilizing up to 16,384 channels and features two built-in modular DMX slots that are user-configurable with any of seven available port modules. These interchangeable modules allow CueServer 2 Mini to be customized for different installation environments eliminating the need for external adapters.

CueServer 2 Mini also features two user-definable function buttons with RGB indicators, two contact closure inputs, two low-voltage digital outputs, a serial port, and stereo audio output.

### Features

- Completely self-contained lighting playback, architectural processor, and DMX fade engine
- Seamless handling of Cue Lists, Presets, and Streams
- Control of up to 32 universes of DMX or 32 independent playback timelines
- Dynamic patching of up to 16,384 channels to 128 separate sACN, Art-Net, or KiNET universes
- Flexible module-based bi-directional DMX ports for custom jack configurations
- Front-panel configurable function buttons with RGB indicator LEDs
- Creation of lighting scenes directly or capture from external sources
- Powerful CueScript scripting language
- Real-Time clock with astronomical and calendar events
- Built-in web server for hosting custom interactive web pages
- Multi-show storage on removable microSD memory card
- System integration via Ethernet, Serial, Digital I/O, and Audio
- Compatible with CueStation buttons and CueTouch touchscreens
- Easy interfacing with Crestron, AMX, Vantage, Control 4, Medialon, Savant and other automation systems
- Native programming environment for both Mac and Windows
- Small anodized aluminum enclosure with optional brackets



CS-920  
CueServer 2 Mini



Front Side  
(w/Optional 5-Pin XLR Male Module)



Rear Side  
(w/Optional 5-Pin XLR Female Module)



Optional DMX Modules

### Applications

- Commercial or Residential
- Architectural or Entertainment Lighting
- Themed Entertainment Venues
- Cruise Ships
- Museums
- Broadcast Studios
- Water Fountains
- Trade Shows
- Building Management

### Awards

CueServer 2 has received the following awards:

- LDI 2014 Lighting Control Product of the Year
- PLASA 2014 Member's Choice Product of the Year

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**Catalog #:**

**Prepared by:**

**Project:**

**Date:**

## Specifications

| Feature             | Detail                   | Description  |  |
|---------------------|--------------------------|--|--|
| Installable Options | DMX Channels             | 512 Channels<br>Up to 16,384 Channels may be licensed  |  |
| Capacity (per Show) | Universe Patching        | 128 sACN, Art-Net, or KiNET universes  |  |
|                     | Playbacks                | Up to 32, depending on number of Channels †  |  |
|                     | Cues                     | 1,000,000 per Cue Stack*   | * Note: These parameters may be limited by available SD Card storage space |
|                     | Cue Stacks               | Unlimited*   |  |
|                     | Groups                   | 100,000*   |  |
|                     | Macros                   | 100,000*   |  |
|                     | Global Rules             | 1,000*   |  |
|                     | Timer Events             | 1,000*   |  |
|                     | External Button Stations | 1,000*   |  |
|                     | Audio Clips              | Unlimited*   |  |
| Web Content         | Unlimited*               |  |  |
| Protocols           | Ethernet                 | UDP, TCP, HTTP, TELNET, NTP, Streaming ACN (sACN), Art-Net, KiNet v1/v2, CueScript, CueStation   |  |
|                     | Serial                   | User-Defined ASCII, CueScript, CueStation  |  |
| Connections         | Power                    | 2.1mm DC Power Input Jack  |  |
|                     | Network                  | RJ45 10/100 Base-T Ethernet  |  |
|                     | DMX                      | (2x) Bi-directional DMX module slots for custom configuration of preferred jack type   |  |
|                     | I/O                      | 8-Position Pluggable Terminal Block for 2 Contact Closure Inputs, 2 Low-Voltage Digital Outputs, RS-232 Serial Port and Auxiliary 5VDC Output (200mA Max)  |  |
|                     | Audio                    | 3.5mm (1/8") Audio Jack for stereo audio output  |  |
|                     | USB                      | (1x) Type-A USB Host Port<br>(1x) Micro-B USB Device Port  |  |
| User Interface      | Function Buttons         | (2x) User-Defined Function Buttons with RGB LEDs   |  |
| Power               | Input                    | 12-24VDC, 7 Watts  |  |
| Memory              | Removable Card           | Micro SD (FAT32 formatted cards up to 2TB)   |  |
| Real Time Clock     | Type                     | Battery-backed, 1 second resolution, less than +/-5ppm drift   |  |
|                     | Synchronization          | Automatic using Network Time Protocol (NTP)  |  |
|                     | Event Triggers           | Time of day, day of week, day of month, week of month, year, date range, astronomical time (relative to sunrise or sunset +/- specified offset)  |  |
| Physical            | Width                    | 4.27" (109 mm) without mounting brackets<br>4.81" (122 mm) with vertical mounting bracket<br>5.13" (130 mm) with vertical DIN mounting bracket<br>6.15" (156 mm) with horizontal mounting brackets |  |
|                     | Length                   | 3.43" (87 mm)  |  |
|                     | Height                   | 1.77" (45 mm)  |  |
|                     | Weight                   | 0.7 lbs. (0.32 kg)   |  |
| Environmental       | Operating Temperature    | -13° to 158° F (-25° to 70° C)   |  |
|                     | Storage Temperature      | -40° to 176° F (-40° to 80°C)  |  |
|                     | Humidity                 | 5 to 95%, non-condensing   |  |
|                     | Altitude                 | 10,000 feet maximum  |  |

† The number of channel universes times the number of playbacks must be 32 or less.

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## Ordering

### CueServer 2

- CS-920** **CueServer 2 Mini**  
*Includes CueServer 2 Mini with power supply, two empty DMX module slots, terminal block, and 512 channel license*
- CS-920-AUST** *Same as above w/Australian PSU*
- CS-920-EURO** *Same as above w/UK-Euro PSU*
- CS-UNIV** **CueServer 2 Additional Universe License**  
*Adds one additional universe of channels (maximum 32)*

### Optional DMX Modules

- CS-MOD-X5F** **5-Pin XLR Female Module**
- CS-MOD-X5M** **5-Pin XLR Male Module**
- CS-MOD-X3F** **3-Pin XLR Female Module**
- CS-MOD-X3M** **3-Pin XLR Male Module**
- CS-MOD-RJ45** **Ethercon RJ45 Module**
- CS-MOD-TB-ST** **Terminal Block Module w/Screw Terminals**
- CS-MOD-TB-IDC** **Terminal Block Module w/IDC Terminals**
- CS-MOD-BLANK** **Blank Module Cover**

### Optional Mounting Bracket Kits

- AX-BR-HMK** **Horizontal Mounting Kit**
- AX-BR-HDK** **Horizontal DIN Rail Kit**
- AX-BR-VMK** **Vertical Mounting Kit**
- AX-BR-VDK** **Vertical DIN Rail Kit**

### Software

#### **CueServer Studio 2**

Programming software for CueServer 2 for both Mac OS X and Windows may be downloaded for free from [www.interactive-online.com](http://www.interactive-online.com)

