



# SOUND ASSOCIATES, INC.

## CS4 AUTOMATION COMPUTER CONTROL STATION FOR AUDIEN™ SUITE OF SERVICES



and 1 DMX input. The controller advances cues by midi show-control, midi note, midi time code, SMPTE time code or DMX commands. The software interface makes the system easy to use, maintain and update. The unit's Ethernet port allows remote access for timing and viewing the CS4's activity. The data port also allows software updates, uploading cue changes and downloading log files from a remote location if connected to the internet. The CS4 setup and command screens run on HTML5 so they can be controlled by any wireless device, tablet, I-Pad, laptop, android or I-phone, that is connected to the local network.

Synchronization is achieved via a comprehensive software package that reads a variety of midi, SMPTE time code, or DMX digital protocol information from show equipment. A timing is run during a performance that synchronizes the slides or audio segments with the appropriate "show" fires. The CS4's software runs a complex algorithm to automatically find the closest midi, SMPTE or DMX fire for each slide or audio segment. This keeps the text and audio in perfect time with the live performance. The Cue Editor allows the operator to edit the rehearsal after its completion, to delete inaccurate midi fires or change the timing of the slides or audio segments. It can also add looping cues in any part of the program such as sponsorship or advertising before the performance or event.

The user-friendly CS4 automation control station is designed to supply years of quality performance, delivering accurate audio and video cues at every use, at a reasonable cost.

The CS4 is an automation control stations for the I-Caption® , D-Scriptive and Audien™ Translation systems, synchronizing pre-recorded captions, audio description and translation commentary to live theatrical productions, museum exhibits and movies. Broadcasting up to 50 separately timed captions or subtitles, the CS4 offers 4 midi inputs with Midi Thru ports, 2 SMPTE inputs

### Control Unit for:

**I-Caption®** - Automated Wireless Closed Captioning System for the Hearing Impaired.

**D-Scriptive** - Automated Audio Description for Sight Impaired Patrons.

**Audien™** - Automated Multi-lingual Audio Commentary for Foreign Speaking Patrons.

### Features:

- 4 Midi Inputs
- 4 Midi Thru ports
- 1 Programmable Midi Output
- 2 SMPTE Inputs
- 1 DMX Input
- 2 SAI-MESH Outputs for wireless connectivity.

- Fully Automated - No technician needed once programmed.
- Supports over 50 different timings with unlimited number of languages.
- Remote connectivity for monitoring and timing via any device browser equipped with WiFi.
- HDMI display port for viewing incoming and outgoing cues.
- Easy to use software to program system and edit timings.
- Internal testing for quick system diagnostics.
- Self test of wireless transmission on start up, a failure can be emailed to a recipient automatically.
- Filters on each midi input allowing only the relevant information to pass.
- Load and retrieve files via USB memory stick on front panel.
- Compact one rack space design.
- Full three-year warranty.



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Cs4 Back Panel

## Technical Specifications

### Signal Inputs

|              |   |
|--------------|---|
| Midi In (x4) | 4 - 5 pin 180° female DIN                               |
| Midi Format  | Show Control, Midi Note, Midi Time Code, SysEx commands |
| SMPTE (x2)   | 2 - ¼" TS connector                                     |
| DMX In (x1)  | 1 - Male 5-Pin XLR                                      |

### Signal Outputs

|                      |                             |
|----------------------|-----------------------------|
| Midi Thru (x4)       | 4 - 5 pin 180° female DIN   |
| Midi Out (x1)        | 1 - 5 pin 180° female DIN   |
| Midi Out Format      | Programmable SysEx commands |
| SAI-MESH Output (x2) | 2 - EtherCon connectors     |
| SAI-MESH Protocol    | RS-485 with Power           |

### I/O Ports

|                         |                                      |
|-------------------------|--------------------------------------|
| Data Transfer / Control | USB 2.0 (Front Panel)                |
| Ethernet                | RJ45 to wireless modem or to network |
| HDMI                    | Monitor Output                       |

### Front Panel Indicators

|          |  |
|----------|--|
| Power    | Red LED  |
| Ready    | Green LED<br>- Solid when system is booted completely without failure.<br>- Flashes if System does not boot or connections to T4 transmitters are disconnected |
| Data In  | Yellow LED - Flashes when Data is received   |
| Data Out | Yellow LED - Flashes when Cue Data is sent   |

### Power

|                   |              |
|-------------------|--------------|
| Power             | 12 VDC       |
| Power consumption | 2 A @ 12 VDC |

### Mechanical

|                       |                                 |
|-----------------------|---------------------------------|
| Mechanical Dimensions | 19" x 1.75" x 10.125" deep (1U) |
| Weight                | 6 lbs                           |
| Finish / material     | Silver anodized aluminum        |



## Warranty

The CS4 Control Station unit is covered by a full three-year warranty, from the original date of purchase, against defects in workmanship or materials. If either component fails due to defects in craftsmanship or materials, we will repair or replace the component without charge. The factory warranty does not cover malfunctions due to abuse or operation other than specified.