

# CS501 Control Switcher

**Lumens**<sup>TM</sup>  
Inspired Learning

Today's modern classroom houses a maze of equipment that might include document cameras, projectors, projector screens, PCs, microphones, speakers and audio players.

And even though each new piece of equipment may be a powerful learning tool, it also provides yet another remote control for the educator to juggle. The CS501 Control Switcher centralizes control of every classroom device to streamline technology implementation and use and let teachers focus on teaching. In addition, easy setup speeds the integration of the devices into a unified system to reduce



## Complete Solution

The CS501 Control Switcher uses a single controller and separate switcher to deliver a complete solution that is the easiest and most cost-effective solution to install. Whether used in a school, board room, broadcast/duplication studio, showroom or conference room, the CS501 provides powerful signal processing and source control for personal computers, notebooks, document cameras, audio players, DVD players and cable televisions. Devices are controlled using infrared or RS-232 signals. Output to the monitor and projector are independent for ultimate flexibility.

## Easy to use, centralizes control of all multimedia equipments

The CS501 offers a complete solution for managing a range of multimedia devices. From a single panel mounted on the wall or lectern, educators can control a wide array of multimedia equipment. For example, using the clearly marked buttons, they can electronically roll down the projector screen, turn on the projectors, microphones, document cameras, computers, or DVD players and be ready to teach. At the end of the class, a simple push of a button turns off all devices, including the classroom lights. The system eliminates the need to juggle multiple remote controls or to worry about forgetting to turn off equip-

## Cost-effective and easy to install

A single box combines an audio-visual controller and signal switcher so installers can easily hook up cable TV, computers, monitors, document cameras, microphones, speakers, projectors, and projector screens. The system utilizes standard cables such as CAT-5, VGA and C-video cables, reducing installation costs and also avoiding costly delays caused by the need to order special cables or connectors. The included CAT-5 converter allows for simple connection to projectors, which often are mounted on the ceiling. In addition, a separate user control panel is also wired to the main switch/controller box via a standard CAT-5 cable. This sleek and easy-to-read user panel can be mounted on the wall or lectern for easy access by the

## Flexibility

The CS501 can be connected with a wide range of audio-visual and multimedia equipment. The system controls devices using either IR or RS-232, providing additional flexibility in installation. In addition, the CS501 delivers an independent output signal to monitors and projectors to give educators the flexibility to view images on a projector while simultaneously playing a DVD or showing document camera images using the computer monitor.

# Specifications

## CS501

### MACHINE CONSTITUTION

CS501: main box  
CS501P: control panel  
CS501C: CAT-5 converter

### CONNECTION PROJECTOR

CAT-5 wire for RGBHV signal  
VGA cable for RGBHV

### DEVICE CONTROL

IR: DVD, CATV, presenter, projector  
RS232: projector, presenter  
Contact IO: screenlight

### VIDEO PROCESSING

Video de-interlace to XGA output  
output

### RGBHV PROCESSING

Switch and passthrough:  
max to UXGA 60Hz

### SIGNAL MATRIX SWITCHING

In: PC, notebook, presenter,  
DVD/CATV/AUX  
Out: monitor, projector

### AUDIO PROCESSING

Mixer audio / MIC input, mute

### OPERATION FUNCTIONS

Video de-interlace: Yes  
IR learning: Yes  
PC RS232 command control: Yes  
MIC & audio volume mixing: Yes

### CONTROL MANAGER

Setup projector control code IR learning  
from DVD, CATV/AUX, projector, presenter  
Control CS501  
Support OS: Vista 32, XP

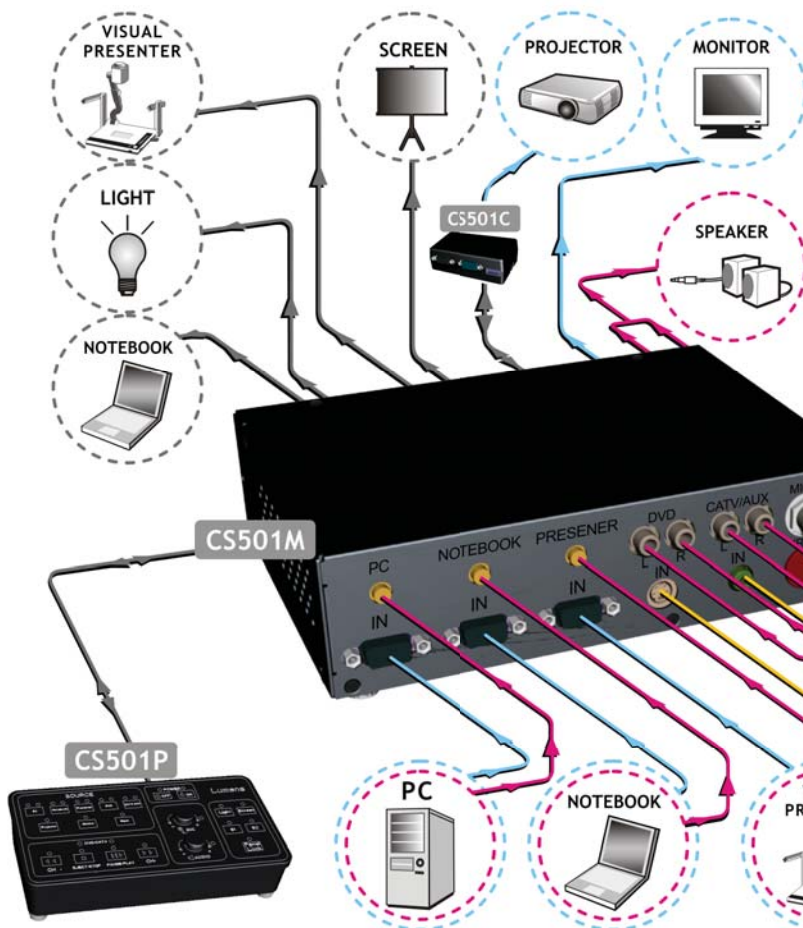
### DIMENSIONS

CS501M: 210x167x61mm (LWH); 1.15 Kg  
CS501P: 177x94x47mm (LWH); 0.55 Kg  
CS501C: 93x65x32mm (LWH); 0.15 Kg

### POWER

DC12V, 1.25A

## SYSTEM DIAGRAM



## CS501M I/O CONNECTIONS



- RGB
- Video
- Audio
- Communication

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Lumens Integration, Inc.  
4116 Clipper Court  
Fremont, CA 94538  
Phone: (510)252-0200  
Fax: (510)252-1389  
www.mylumens.com

Lumens Europe BVBA  
Assesteeweg 65  
1740 Ternat, Belgium  
Phone: +32 (0)2 462 61 50  
Fax: +32 (0)2 462 61 53  
www.lumens.com.tw