

# Setup Guide — YCS SW2 A

The Extron® YCS SW2 A is a two input, dual output video and audio switcher with transcoding and auto-input switching capabilities and digital time base correction (TBC). This guide provides basic instructions for setting up and operating the switcher.

**IMPORTANT:**  
Refer to [www.extron.com](http://www.extron.com) for the complete user manual and installation instructions before connecting the product to the power source.

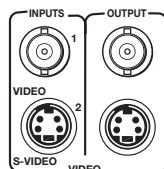
## Installation

### Step 1 — Mount the unit

Mount the switcher on a rack shelf, furniture, or a projector pole mount if desired.

### Step 2 — Connect video inputs

Connect composite video or S-video source devices to the Video, S-video, or both input connectors.

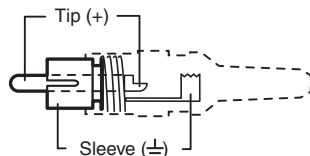


### Step 3 — Connect video outputs

Connect video output devices to the Video (composite), S-video, or both output connectors.

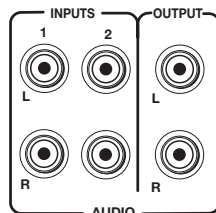
### Step 4 — Connect audio inputs

- Wire the RCA input connectors to audio sources as shown in the diagram at right.
- Connect the **left** stereo channels of the audio sources to one or both **white** RCA Audio Input connectors.  
Connect the **right** stereo channels of the audio input sources to one or both **red** RCA Audio Input connectors.



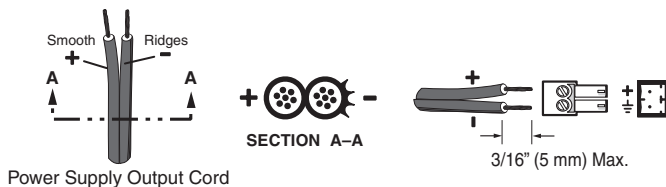
### Step 5 — Connect audio outputs

- Wire the RCA audio output connectors to audio output devices as shown in **step 4a**, above.
- Connect the **left** stereo audio channels of the output devices to one or both **white** RCA Audio Output connectors.  
Connect the **right** stereo audio channels of the output devices to one or both **red** RCA Audio Output connectors.



### Step 6 — Wire the power connector (optional)

If using a different external power supply from the one provided with the YCS, wire the included 2-pin captive screw connector to your power supply as shown below.



## CAUTION

The power supply must not be permanently fixed to the building or similar structures.

The power supply must not be located within environmental air handling spaces or the wall cavity.

The installation must be in accordance with the applicable provisions of the National Electrical Code ANSI/NFPA 70, Article 725 and the Canadian Electrical Code, Part 1, Section 16.

The power supply must be located within the same vicinity as the Extron A/V processing equipment in an ordinary location, Pollution Degree 2, secured to a podium, desk, or equipment rack in a dedicated closet.

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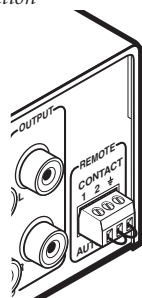
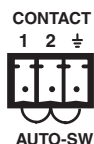
# Setup Guide — YCS SW2 A, cont'd

**CAUTION** Always use a power supply specified by Extron for the YCS SW2 A. Use of an unauthorized power supply voids all regulatory compliance certification and may cause damage to the supply and the YCS.

## Step 7 — Enable auto-input switching (optional)

To set up the YCS to automatically select the active, connected input:

- Use two jumper wires to connect pins 1 and 2 and pins 2 and 3 of the provided 3-pin captive screw connector. Tighten the screws to hold the jumper wires securely in place.
- Insert the captive screw plug into the Contact/Auto-SW connector as shown at right.



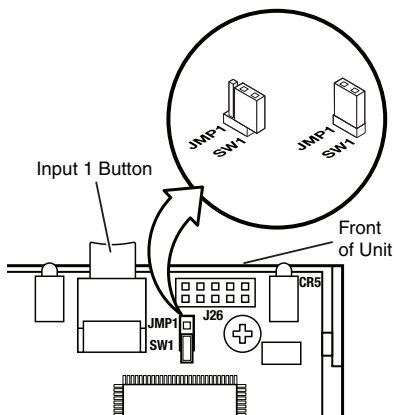
## Step 8 — Enable black and white mode (optional)

To enable the YCS to detect NTSC signals that are black and white only, place the switcher in black and white mode as follows:

- Remove the four case screws on the sides of the unit and lift off the top cover.
- Locate the jumper at JMP1 and SW1 on the YCS internal board (behind the front panel buttons). Place the jumper onto both the SW1 and JMP1 pins.

**CAUTION** When placing the jumper on the two pins, ensure that the fine wire connecting the two sleeves of the jumper is at the top (outside). Do not attempt to force the pins through the wire.

- Replace the case cover.



## Step 9 — Power on

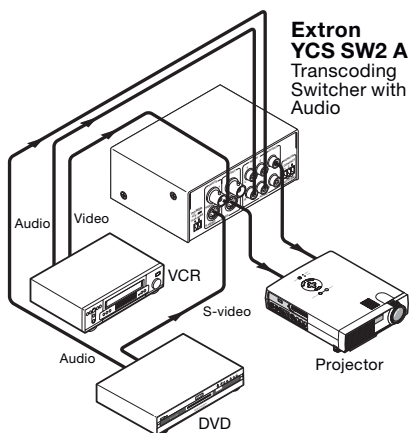
Apply power to the YCS, the input sources, and the output devices.

## Selecting Inputs by Contact Closure

The Contact/Auto-SW connector on the YCS rear panel enables optional remote input switching via a latching contact closure device (as an alternative to auto-input switching, described in step 7, above).

To switch inputs using contact closure:

- Connect a latching contact closure device to pins 1, 2, and  $\frac{1}{2}$  of the Contact/Auto-SW connector on the rear panel.
- To select input 1, momentarily short pin 1 to the  $\frac{1}{2}$  pin. To select input 2, momentarily short pin 2 to the  $\frac{1}{2}$  pin.



## Application Diagram

The figure at right provides an example of how a YCS SW2 A switcher may be connected.

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