

# 4x2 Auto S-Video/Stereo Audio Switcher

Model : SB-5425

## CONFORMANCE TEST REPORT

FOR **EN 61000-6-1 / EN 61000-6-3**

**CE** Report Number : ET94S-06-090-01

FOR **FCC 47 CFR / Part 15 Subpart B**

**FC** Report Number : ET94S-06-090-02

Model Number : SB-5420

Comment Number : SB-5420R, SB-5420F  
SB-5420G, SB-5425

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**Input :** 4x S-Video (Y/C) Mini-din 4P sockets  
Stereo Audio (AR/AL), RCA connectors

**Output :** 2 x S-Video (Y/C) Mini-din 4P sockets  
Stereo Audio (AR/AL), RCA connectors

**Power Input :** DC +12V , 300mA ~ 500mA. ⊖ ⊕ ⊕

### Safety Notice!

To prevent damage to your television equipment use only the supplied AC Adaptor and make the power connections to your television.

## Instruction Manual

# SHINYBOW™ USA

Multiple Inputs / Multiple Outputs

## Auto S-VHS/Audio Selector

4 inputs > 2 outputs



Model : SB-5425

CT 2154

### S-Video (Y/C)/Stereo Auto Switcher Series

Thank you for purchasing the SB-5425 S-Video/Audio 4x2 Auto Switcher. You will find this unit easy to install and highly reliable but it is essential that you read this manual thoroughly before attempting to use the switcher.

## Introduction

Congratulations on your purchase of one of the most innovative Video/Audio switching products on the market today. The Auto S-Video Switcher for S-Video /Stereo Audio are fully automated S-Video Switchers. Each has 4 individual S-Video inputs with 2 identical S-Video outputs and is useful for routing signals from S-Video source devices (such as: VCRs, Camcorders, Game Consoles, Video CDs, DVD's, Satellite Receivers, CATV Set Top Boxes, etc.) to S-Video destination devices (such as: VCRs, DVD-Rs, TV Sets, Video Projectors, etc.). This avoids the need for constantly moving cables around. In addition to the innovative Auto mode, the Auto Switchers can operate in a Manual mode for switching.

## Features of the Auto S-Video Switcher

This device can be operated in two modes: Auto or Manual. In the Auto mode, selected by pushing the Auto/Manual button on the front panel to the DOWN position, the Auto S-Video Switcher will automatically pick up the input that has a signal present. So, if you have four devices hooked up to the four inputs and only one has its power turned on, that device will automatically be switched to the output. If more than one device has power turned on, the one with the higher number (SV1, SV2, SV3 or SV4) will be switched to the output. This enables the unit to operate without an additional IR Remote Control unit by turning power on and off to the source devices. When in the Manual mode, selected by pushing the Auto/Manual button on the front panel to the UP position, selection of input SV1, SV2, SV3 or SV4 to be routed to the S-Video output in done by repeatedly pressing the Input Channel button to toggle through the inputs.

## Safeguards and Precautions

- a . Keep this unit away from fire, extremely hot areas, water or moisture of any Kind.
- b . Do not place this unit on any support that is not firm, level and strong.
- c . Do not service the unit yourself. Opening the unit s housing will void the warranty.
- d . Servicing must be by Distributor or by an authorized technician.
- e . Illegal duplication of copyrighted material is strictly prohibited by Federal Laws.

## Specifications

<b>Video Inputs</b>	4x S-Video (Y/C), 75Ω	on 4-Pin Mini-DIN Sockets
<b>Audio Inputs</b>	4x Stereo R/L, 40KΩ	on RCA Connectors
<b>Video Outputs</b>	2x S-Video (Y/C), 75Ω	on 4-Pin Mini-DIN Sockets
<b>Audio Outputs</b>	2x Stereo R/L, 400Ω	on RCA Connectors
<b>Video Bandwidth</b>	>150MHz	
<b>Video Distortion</b>	<1.2db (Standard +/- 3db)	
<b>Audio Distortion</b>	<0.6db (Standard +/- 3db)	
<b>Channel Isolation</b>	>50db	
<b>S/N Ratio</b>	>50db	
<b>Power Consumed</b>	300mA Maximum	
<b>Power Source</b>	12 Volts DC	

## Before you make any connections

Make sure all S-Video devices to be connected to the Auto S-Video Switcher are functioning according to their respective operation manuals before connecting them. Always connect the S-Video devices to the Auto S-Video Switcher one at a time and make sure each works just as it did before it was connected.

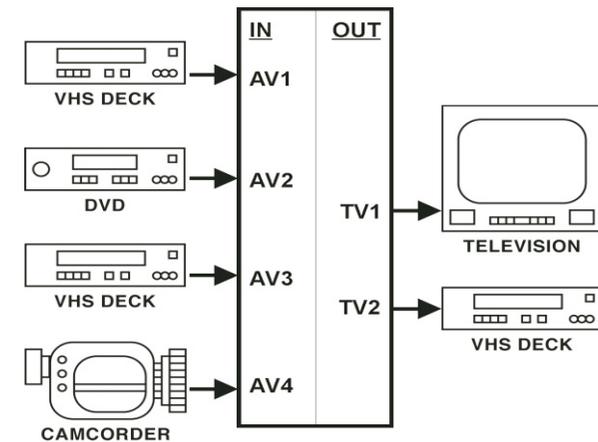
## Choosing the right Auto S-Video Switcher

The S-Video Switcher should be used to handle S-Video and Stereo Audio signals, while the S-Video Switcher should be used to handle S-Video and Stereo Audio signals

## Single Source Operation

When only one source device, such as a VCR, is connected, always connect the device to the Auto S-Video Switcher's AV1 input. Because AV1 is the default input, it will automatically be fed to the S-Video outputs when the power is turned off. Auto S-Video Switcher.

## Typical Hookup and Operation



## Multiple Source Operation

As many as four S-Video devices, (such as: DVDs, Camcorders, Video Game Consoles, Satellite Receivers, Cable TV Set Top Boxes, etc.), can be connected to the Auto S-Video Switcher via inputs AV1, AV2, AV3 and Av4. Note: The higher the number on the AV input, the higher the priority. In other words, any S-Video device connected to AV2, AV3 or Av4 will have a higher priority than Av1 to be switched to the outputs when multiple signals are present on the inputs.

## Dual Outputs

Both of the S-Video outputs will have the same signal that has been selected by internal switching logic of Auto S-Video Switcher. These dual outputs are provided for convenience.