

SB-5425

4x2 Auto S-Video/Audio Switcher





SAFETY INFORMATION



1. To ensure the best results from this product, please read this manual and all other documentation before operating your equipment. Retain all documentation for future reference.
2. Follow all instructions printed on unit chassis for proper operation.
3. To reduce the risk of fire, do not spill water or other liquids into or on the unit, or operate the unit while standing in liquid.
4. Make sure power outlets conform to the power requirements listed on the back of the unit. Keep unit protected from rain, water and excessive moisture.
5. Do not attempt to clean the unit with chemical solvents or aerosol cleaners, as this may damage the unit. Dust with a clean dry cloth.
6. Do not use the unit if the electrical power cord is frayed or broken. The power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords and plugs, convenience receptacles, and the point where they exit from the appliance.
7. Do not force switched or external connections in any way. They should all connect easily, without needing to be forced.
8. Always operate the unit with the AC ground wire connected to the electrical system ground. Precautions should be taken so that the means of grounding of a piece of equipment is not defeated.
9. AC voltage must be correct and the same as that printed on the rear of the unit. Damage caused by connection to improper AC voltage is not covered by any warranty.
10. Turn power off and disconnect unit from AC current before making connections.
11. Never hold a power switch in the "ON" position.
12. This unit should be installed in a cool dry place, away from sources of excessive heat, vibration, dust, moisture and cold. Do not use the unit near stoves, heat registers, radiators, or other heat producing devices.
13. Do not block fan intake or exhaust ports. Do not operate equipment on a surface or in an environment which may impede the normal flow of air around the unit, such as a bed, rug, carpet, or completely enclosed rack. If the unit is used in an extremely dusty or smoky environment, the unit should be periodically "blown free" of foreign dust and matter.
14. To reduce the risk of electric shock, do not remove the cover. There are no user serviceable parts inside. Refer all servicing to qualified service personnel. There are no user serviceable parts inside.
15. When moving the unit, disconnect input ports first, then remove the power cable; finally, disconnect the interconnecting cables to other devices.
16. Do not drive the inputs with a signal level greater than that required to drive equipment to full output.
17. The equipment power cord should be unplugged from the outlet when left unused for a long period of time.
18. Save the carton and packing material even if the equipment has arrived in good condition. Should you ever need to ship the unit, use only the original factory packing.
19. Service Information Equipment should be serviced by qualified service personnel when:
 - A. The power supply cord or the plug has been damaged.
 - B. Objects have fallen, or liquid has been spilled into the equipment.
 - C. The equipment has been exposed to rain.
 - D. The equipment does not appear to operate normally, or exhibits a marked change in performance.
 - E. The equipment has been dropped, or the enclosure damaged.

THIS SAFETY INFORMATION IS OF A GENERAL NATURE AND MAY BE SUPERSEDED BY INSTRUCTIONS CONTAINED WITHIN THIS MANUAL.

SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply. Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

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INTRODUCTION

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 this switcher.

Congratulations on your purchase of one of the SB-5425, one of the most innovative Video/Audio switching products on the market today. The SB-5425 is an Auto Switcher for Composite Video/Stereo Audio signals. This unit has (4) individual AV inputs with (2) identical AV outputs and is useful for routing signals from AV source devices such as VCR's, Camcorders, Game Consoles, Video CD's, DVD's, Satellite Receivers, CAT5 Set-top boxes, etc. to AV destination devices such as VCR's, DVD-R's, 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 manual mode for switching too.

FEATURES

- Automatic switching of Composite Video and Analog Left & Right Audio between multiple sources and displays
- Allows connection of (4) sources to (2) destinations (same signal)

PACKAGE CONTENTS

Check that you have the following components;

- SB-5425 Routing Switcher
- AC/DC Adapter: 12VDC@420mA AC/DC Adaptor Types: CE/UL/SAA/BS
- Users Guide

- **Video Amplifier Bandwidth:** >80MHz
- **Video Input Connectors:**
 - (4) Composite Video
 - (4) Left & Right Audio
- **Video Output Connectors:**
 - (2) Composite Video
 - (2) Left & Right Audio
- **Power Consumption:** 300mA
- **Power Supply:** 12VDC@420mA
- **Dimensions (WxDxH):** 7.8 x 5.1 x 1.5 in
- **Weight:** 0.9 lb (Unit only) / 1.8 lb (Net)

As product improvements are continuous, specifications are subject to change without notice.

OPERATION INFORMATION

MODES OF THE ROUTING SWITCHER

This device can be operated in (2) modes: Auto or Manual. In the Auto mode, select 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 (4) devices hooked up to the (4) inputs and only one has its power turned on, that device will automatically be switched to that 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 that 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, select 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 is done by repeatedly pressing the Input channel button to toggle through the inputs.

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.

MULTIPLE SOURCE OPERATION

As many as (4) S-Video devices, (such as: DVDs, Camcorders, Video Game 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 the Auto S-Video Switcher. These dual outputs are provided for convenience.



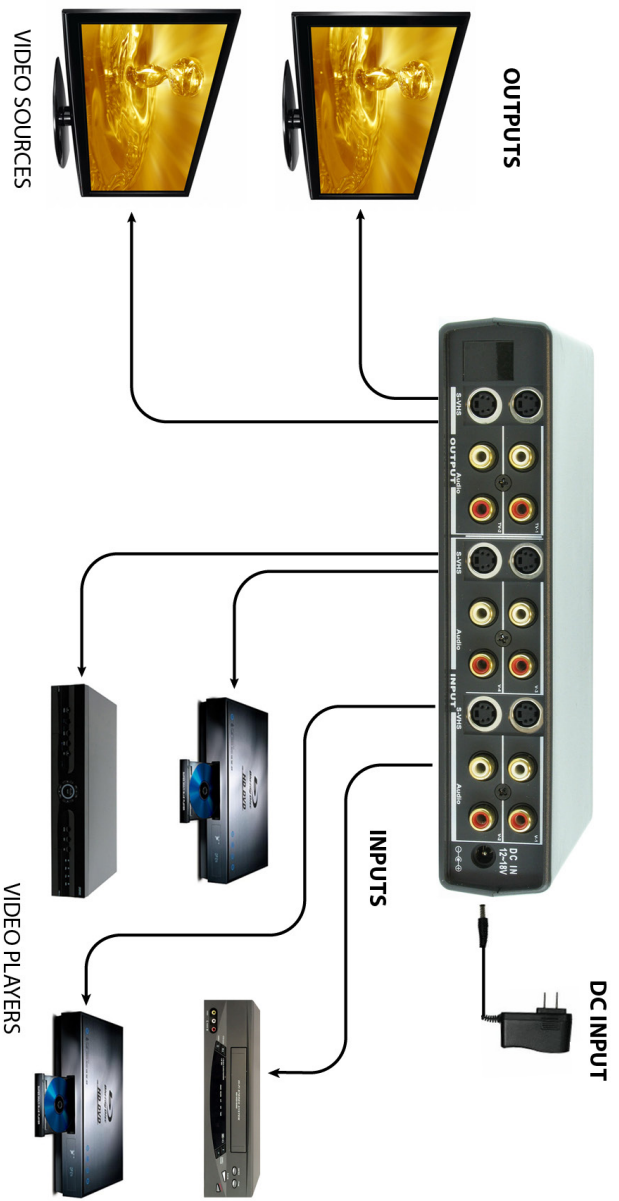
Safeguards and Precautions

- 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 Shinybow or by an authorized technician.
- C. Illegal duplication of copyrighted material is strictly prohibited by Federal Laws.

TYPICAL HOOKUP AND OPERATION

4X2 AUTO S-VIDEO/STEREO AUDIO SWITCHER

Applications: VCR's, Video CD's, DVD's, STB's, Game Consoles, Satellite Receivers



CONFORMANCE TEST REPORT

FOR **EN 61000-6-1 / EN 61000-6-3 - REPORT NUMBER: ET94S-06-090-01**


FOR **FCC 47 CFR/Part 15 Subpart B - REPORT NUMBER: ET93S-06-168-02**

Model Number: SB-5425

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

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

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

Power Supply: +DC12V@420mA 



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