

SB-5470

4x2 Component Video/Stereo Audio HDTV Matrix Routing Switcher



SHINYBOWUSA
MULTIMEDIA AUDIO AND VISUAL



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

Component Digital Video/Audio Matrix Switcher Series

Thank you for purchasing the SB-5470 Component Video/Audio Matrix 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.

The SB-5470 is a 4x2 matrix switcher that switches (4) Component (YPbPr)/Analog Audio Inputs to (2) Component (YPbPr)/Analog Audio Outputs with an IR remote. The SB-5470 is a rugged 4x2 switcher, offering flawless and seamless switching and crystal-clear distribution of all HDTV video formats as well as audio signals. The SB-5470 accepts up to (4) different input sources and you can seamlessly switch (select) any of these inputs to drive (2) outputs, without any signal degradation. It is universally compatible with all HDTV formats: 480i/p, 576i/p, 720p and 1080i/p.

SB-5470 is a versatile and compact state of the art switcher of choice when you need high-quality and reliable switching. The switch can be controlled by its front-panel manual control button, or IR remote, and convenient front-panel LEDs indicate which input has been selected for both outputs.

Available in Silver or Black colors.

PACKAGE CONTENTS

Check that you have the following components;

- SB-5470 Switcher
- IR Remote control
- (1) 5-RCA Component Video + L&R Audio Cable
- AC/DC Adapter: 12VDC@420mA
- Users Guide

FEATURES

This device can be operated in (2) modes: IR Remote control or Manual. Select by pushing the IR key/manual buttons on the front panel to the video sources position. So, if you have (4) devices hooked up to the (4) inputs and only one has its power turned on, that device will be switched to the output by the IR remote control. Or when in the manual mode, select by pushing the (2) video buttons on the front panel. Selection of video Input 1, 2, 3 or 4 will be routed to the AV Output by repeatedly pressing the Input channel button to toggle through the inputs.

- Inputs: (4) Component Video (YPbPr), (4) Stereo Audio Input
- Outputs: (2) Component Video (YPbPr), (2) Stereo Audio Outputs
- Switches easily between any (4) Component video sources
- Maintains 480i/p, 576i/p, 720p, 1080i/p resolutions
- Discrete IR remote (included)
- Easy to install and simple to operate
- Also can be used for Composite Video switching (will not do conversion between Component and Composite)

SPECIFICATIONS

• **Type of Switcher:** (4) Inputs to (2) Outputs Component-Audio Matrix Switcher

• **Inputs:**

- (4) Component Video (RGB, YPbPr), 1Vpp, 75Ohms, RCA Sockets
- (4) Left and Right Stereo Audio (RCA-Phono), 5Vpp, 47kOhms

• **Outputs:**

- (2) Component Video (RGB, YPbPr), 1Vpp, 75Ohms, RCA Sockets
- (2) Left and Right Stereo Audio (RCA-Phono), 5Vpp, 47kOhms

• **Video Bandwidth:** 200MHz

• **Resolutions:** up to 1080p

• **Video Distortion:** <1.2dB

• **Audio Impedance:** 10KOhms

• **Channel Isolation:** >50dB

• **Signal to Noise Ratio:** >50dB

• **Safety Approvals:** CE FCC, RoHS (2002/95/EC)

• **Dimensions (WxDxH):** 9.25 x 5.5 x 1.73 in

• **Power Consumption:** 300mA

• **Power Supply:** 12VDC@420mA

• **Weight:** 1.1 lb (Unit only) / 2.6 lb (Net)

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

TYPICAL HOOKUP AND OPERATION



FRONT VIEW:

Power SW: ON/OFF

IR: Remote Controller

LED display

Video Select Buttons

REAR VIEW:

Input: (4) Component Video/Audio

Output: (2) Component Video/Audio

Power DC Input: DC12V@420mA

Safeguards and Precautions

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

CONFORMANCE TEST REPORT

FOR **EN 55013/EN 55020** - REPORT NUMBER: ET93S-09-213-01

FOR **FCC 47 CFR/Part 15 Subpart B** - REPORT NUMBER: ET93S-09-213-02

FOR **VCCI** - REPORT NUMBER: ET93S-09-213-03

Model Number: SB-5470

Comment Number : SB-3680, SB-3681, SB-3682, SB-5430, SB-5440, SB-5450, SB-5460

Input: Component Video (YPbPr) / Stereo Audio System (R/L)

Output: Component Video (YPbPr)/ Stereo Audio System (R/L)

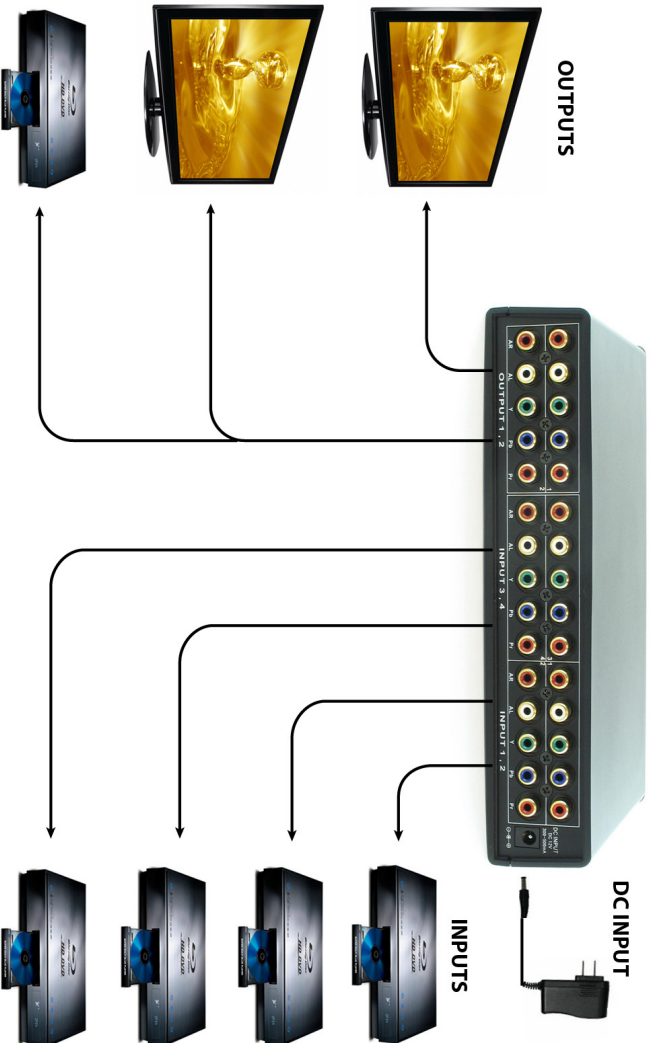
Power Supply: DC+12V@420mA



TYPICAL HOOKUP AND OPERATION

4X2 COMPONENT VIDEO/AUDIO MATRIX SWITCHER

APPLICATIONS: DVD Player, Video CD, VCR Player, Handycam, CCD Camera, Video Game System, Satellite Receiver



LIMITED WARRANTY

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