

# CV/SV Routing Switcher

Model : SB-5430

## CONFORMANCE TEST REPORT

FOR **EN 55013 / EN 55020**

CE Report Number : ET93S-09-213-01

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

FC Report Number : ET93S-09-213-02

FOR **VCCI**

VCI Report Number : ET93S-09-213-03

**Model Number : SB-5470**

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

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**Input :** Audio/Video system (Composite or S-Video)  
Stereo Audio system (R/L)

**Output :** Audio/Video system (Composite Video or S-Video)  
Stereo Audio system (R/L)

**Power Input :** Available  
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.

Thank You for purchasing

## Instruction Manual

**SHINYBOW™ USA**

**Composite Video/S-Video Switcher**

## Routing Switcher

**4 inputs > 2 outputs**



**Model : SB-5430**

### Composite Video/ S-Video Switcher Series

Thank you for purchasing the SB-5430 Composite Video / S-Video Routing 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 converter.

Part No.: SB-5430-CV/SV

## Supplied Accessories

Check that you have the following components in your converter pack ;

- (1) 1 Instruction Manual
- (2) 1 SB-5430 switcher module
- (3) 1 Three-way RCA-to-RCA/V Cable, Set coloured red, White and yellow
- (4) 1 x S-Video Cable (Min-din 4 pin plug)
- (5) 1 AC Adaptor : 12VDC, 300mA ~ 500mA
- (6) 1 IR Remote Controller

S-Video Connecting Cable : AV connecting Cable : AC/DC Adaptor : CE/UL/SAA/BS

S-S socket, L=2M

3RCA x 3RCA, L=2M

UK BS/CE

Europe CE

Middle Asia

Australia SAA

IR Remote Controller

POWER  
TV-1: Video 1,2,3,4



## Introduction

Congratulations on your purchase of one of the most innovative Video/Audio switching products on the market today. This Routing Switcher is controlled by an IR Remote Controller and has 4 individual Composite Video or S-Video(Y/C)/Stereo Audio (R/L) inputs with 2 identical Composite/S-Video/Audio outputs. It is useful for routing signals from Composite/S-Video/Audio Source devices (such as: VCRs, Camcorders, Video Game Consoles, Video Cd players, DVD players, Satellite Receivers, CATV Set Top Boxes, ect.) to Composite/S-Video/Audio destination devices (such as :VCRs, DVD recorders, TV Sets, Video Projectors, ect.)

## Before you make any connections

Make sure all Video devices are functioning according to their respective operation manuals. Always connect the Video/Audio devices to the CV/SV Routing Switcher one at a time and make sure each works just as it did before it was connected.

## Features of the CV/SV Routing Switcher

This device can be operated in two modes: IR Remote control or Manual mode. It can be selected by pushing the IR key/Manual button on the front panel to the Video switcher. If you have four devices hooked up to the four inputs and only one has its power turned on, only that device can be switched to the output by IR Remote control. When Manual mode is selected, same can be done by pushing the Video select buttons on the front panel.

## Single Source Operation

When only one source device, such as a VCR, is connected, always connect the device to the CV/SV Switcher's Av1 input. Because Av1 is the default input, it will automatically be fed to the AV outputs when the CV/SV Switcher's power plug is pulled out of the switcher. All of video in/output selections will remain in switchers memory for as long as the power plug stays in the switcher. When the CV/SV switcher's power button is turned off It will not reset any settings..

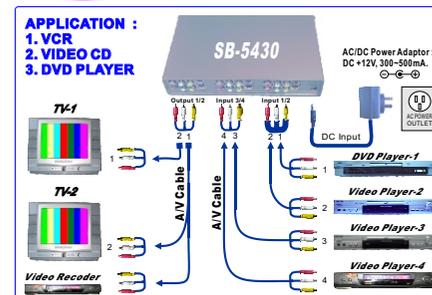
## Safeguards and Precautions

- 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.
- e . Illegal duplication of copyrighted material is strictly prohibited by Federal Laws.

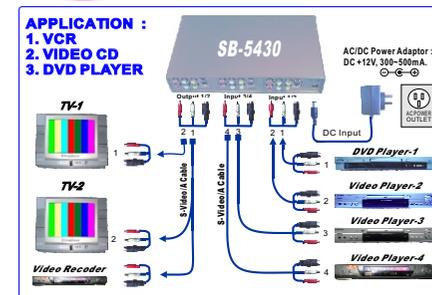
## Typical Hookup and Operation



### Function -1 Composite Video Switcher



### Function -2 S-Video(Y/C) Switcher



## Dual Outputs

Both of the CV/SV outputs will have the same signal that has been selected by internal switching logic of CV/SV Switcher. These dual outputs are provided for convenience.

## Specifications

SB-5430		
<b>Control Method</b>	Front Panel Switches and IR Remote Control	
<b>Video Inputs</b>	4x Composite Video, 75 on RCA Connectors	4x S-Video (Y/C), 75 on 4-Pin Mini-DIN Connectors
<b>Audio Inputs</b>	4x Stereo R/L, 40K on RCA Conn.	4x Stereo R/L, 40K on RCA Conn.
<b>Video Outputs</b>	2x Composite Video, 75 on RCA Connectors	2x S-Video (Y/C), 75 on 4-Pin Mini-DIN Connectors
<b>Audio Outputs</b>	2x Stereo R/L, 400 on RCA Conn.	2x Stereo R/L, 400 on RCA Conn.
<b>Video Bandwidth</b>	>100MHz	>100MHz
<b>Video Distortion</b>	<1.2db (Standard +/- 3db)	<1.2db (Standard +/- 3db)
<b>Audio Distortion</b>	<0.6db (Standard +/- 3db)	<0.6db (Standard +/- 3db)
<b>Channel Isolation</b>	>50db	>50db
<b>S/N Ratio</b>	>50db	>50db
<b>Power Consumed</b>	210mA Maximum Available 300mA ~ 500mA	210mA Maximum Available 300mA ~ 500mA
<b>Power Source</b>	12 Volts DC	12 Volts DC

**Congratulations! The switcher is now ready for use.**