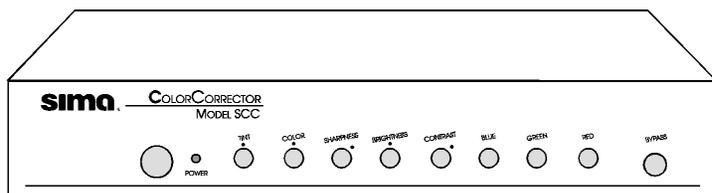


sima®

Video Color Corrector

Model SCC



User Manual

PRELIMINARY

Important Safety Precautions

When using this product, basic safety precautions should always be followed to reduce the risk of fire and electric shock, including the following:

Read and understand all instructions.

Follow all warnings and instructions marked on this product.

Unplug this product from wall outlets before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.

To prevent fire or shock hazard, do not expose this product to rain or moisture. Do not use near a bath tub, wash bowl, sink, or laundry tub; do not use in a wet basement or in a swimming pool.

To avoid electrical shock, do not open the case of this product.

Operate this product using only the power supply included with it or provided as an accessory. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.

Do not overload electrical outlets or extension cords as this can result in fire or electric shock.

The unit should be situated away from heat sources such as radiators, stoves, etc.

The unit should be situated so that its location or position does not interfere with its proper ventilation.

This unit is for private use only. Use of this device to duplicate copyrighted video tapes or other video sources may be against certain federal and state copyright laws.

Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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Introduction

The Sima Color Corrector, Model SCC, has been designed for the person who wants to control and adjust a video signal to achieve the best possible viewing and copies of video tapes. This allows you to enhance dark videos and adjust for color balance problems on your home movies.

The SCC has the following features:

- 1) Control of key picture elements like brightness, picture, color, tint, and sharpness to allow you to adjust the video signal as necessary.
- 2) Supports composite and S-video sources.
- 3) Fine tuning of the red, blue and green colors to achieve a correct white balance.
- 4) Full sync and color burst restoration for rock solid copies
- 5) Full electronic bypass to see the before and after pictures easily.

What's Included:

- 1 - SCC Color Corrector unit
- 1 - RCA cable, 1 meter long
- 1 - S-Video cable, 1 meter long
- 1 - AC adapter, 120 VAC input, 15 vdc output
- 1 - This instruction manual

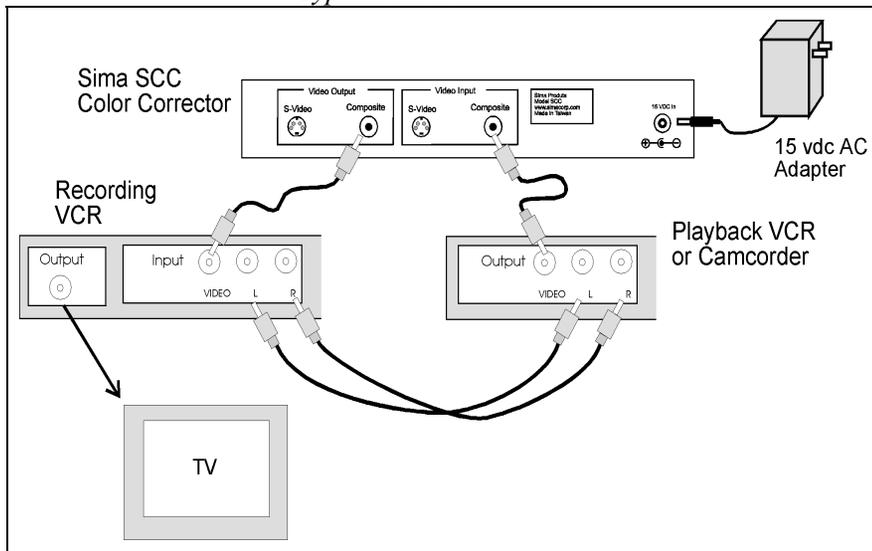
Typical Hook up

When you want to use the SCC and record the improved video, connect the SCC between the video output of your playback VCR or camcorder and the video input on your recording VCR. When you want to directly view the results, connect the SCC between the video output of your playback VCR or camcorder and the video input on your TV.

The diagram below shows how to connect between either a camcorder or VCR and a recording VCR.

- Step 1:** Plug the 15 vdc plug into the SCC and the adapter into a standard 120 VAC outlet.
- Step 2:** Connect the video output of the playback VCR or camcorder to the Video Input on the SCC. You can use either, but not both, of the composite or s-video connections to match the output of the VCR.
- Step 3:** Connect the audio output of the playback VCR or camcorder to the audio inputs on your recording VCR.
- Step 4:** Connect the video output of the SCC to the video input of the recording VCR.

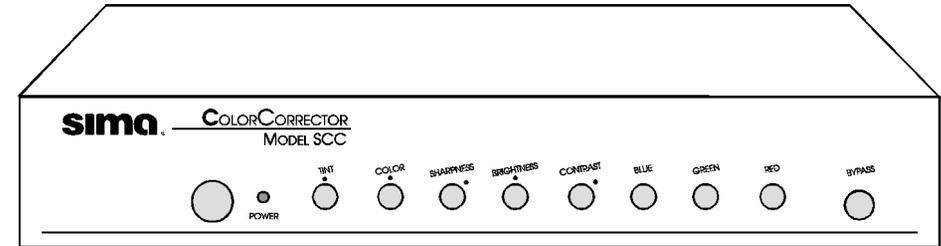
Typical SCC Connection



Operation

When AC power is applied and the power button is depressed, the power light will illuminate. You can now use the controls to adjust the picture as described below.

Front Panel



Controls

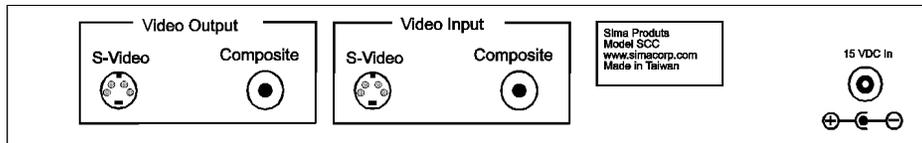
- Power** - Press to turn unit on or off.
- Tint** - Adjust the hue level of the video output. Typically set to the mid position.
- Color** - Adjusts the amount of color in the picture by varying the chroma level. Typically set to the mid position.
- Sharpness** - Boosts or cuts the high frequency detail of the image offering a true sharpening of the picture. A special noise reduction circuit is incorporated to reduce the grain normally associated with detail enhancers. Set to about the "2 o'clock position for normal picture.
- Brightness** - Adjusts the black level of the input video signal to brighten or darken the image. Set to about the "1 o'clock position for normal picture.
- Contrast** - Adjusts the luminance level of the video signal. Set to the "2 o'clock position for a normal picture.
- Blue** - Fine adjustment of the balance of the blue color in the picture
- Green** - Fine adjustment of the balance of the green color in the picture
- Red** - Fine adjustment of the balance of the red color in the picture
- Bypass** - Press the button in to bypass the color corrector and out to have the color corrector in the video circuit.

The dots shown in the front panel view above the controls on the previous page show the setting of the controls so the picture is about equal to the input. Because of slight variations these setting should be used as a starting point only and will vary from set-up to set-up.

Press the bypass button in to view the picture before color correction and out to see the after picture.

Note: It should be noted that the SCC cannot make a bad video into a good video. However, the SCC can improve and compensate for minor color and brightness errors in the source video.

Rear Panel



Video Output

S-Video - S-Video jack output

Composite - RCA connector for composite video output

Video Input

S-Video - S-Video jack output

Composite - RCA connector for composite video input

DC Input - 15 VDC, input.

Trouble Shooting

Problem	Solution
Power light does not come on	Make sure power adapter is plugged into a working outlet and the power button is press on.
Adjusting the controls has no affect on the picture	Make sure the unit is not in the bypass mode.
Poor picture quality	Connect only the composite or S-video cable. Using both cables at the same time will not work with most VCRs and TVs.
No picture	Make sure the power light is on Make sure inputs and outputs are not reversed.
Corrected picture does not match bypassed picture	Not all the controls should be in the "12 o'clock" position to achieve proper picture quality. Adjust controls as necessary to achieve a correct picture.

Technical Specifications

Video

Inputs

- Composite Video (RCA style phono jack)
75 ohm, unbalanced, 1 v p-p
- S-Video (4 pin mini DIN)
Y: 1 vp-p, 75 ohms, unbalanced
C: 0.286 V p-p, burst signal, 75 ohms

Outputs

- Composite Video (RCA style phono jack)
75 ohm, unbalanced, 1 v p-p
- S-Video (4 pin mini DIN)
Y: 1 vp-p, 75 ohms, unbalanced
C: 0.286 V p-p, burst signal, 75 ohms

Resolution: 550 lines of resolution

Power Input: 15 VDC, 500 ma

Size: 11.3" wide, 6.75" deep, 1.8" high

Weight: 3 lbs, 2 oz.

Supplied accessories

- AC adapter, 15 VDC, 500 ma output
- RCA video cable, 3'
- S-Video Cable, 3'
- User Manual (this document)

Design and specifications are subject to change without notice

90 Day Limited Warranty

Limited Warranty

Sima Products Corp. ("Company") warrants that if the accompanying product proves to be defective to the original purchaser in material or workmanship within 90 days from the original retail purchase, the Company will, at the Company's option, either repair or replace same without charge (but no cash refund will be made).

What you must do to enforce Warranty

You must deliver, mail or ship the product, together with both the original bill of sale and this limited Warranty statement as proof of warranty coverage to:
Sima Products Corp., Att: Customer Service
140 Pennsylvania Ave., Bld. #5, Oakmont, PA 15139

It is recommended that you contact Sima to obtain a return authorization number.

Limitation of Liability and Remedies

Sima shall have no liability for any damages due to lost profits, loss of use or anticipated benefits, or other incidental, consequential, special or punitive damages arising from the use of, or the inability to use, this product, whether arising out of contract, negligence, tort or under any warranty, even if Sima has been advised of the possibility of such damages. Sima's liability for damages in no event shall exceed the amount paid for this product. Sima neither assumes nor authorizes anyone to assume for it any other liabilities.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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