

Multisystem Color Corrector

Model CCR-8

Instruction Manual

Introduction

The Cypress Color Corrector, Model CCR-8, has been designed for the professional videographer who wants to adjust a video signal to achieve the best possible viewing of video tapes. This allows you to enhance bright or dark videos and adjust for color balance problems on your home movies.

The CCR-8 has the following features

1. Suitable for worldwide video system:
NTSC 3.58/NTSC 4.43/PAL/PAL N/PAL M/SECAM input auto detection.
2. Selectable output system between NTSC and PAL.
3. Digital decoding and comb filter eliminates color noise and ensures best picture quality.
4. On-Screen-Display menu control.
5. R,G,B adjustment for achieving a correct white balance.
6. Restores sync and color burst.
7. Adjustable controls on Brightness, Contrast, Color, Sharpness and Tint.
8. Direct input source select.

What's Included:

- 1- CCR-8 Color Corrector unit
- 1- RCA cable, 1.8m
- 1- S video cable 1.8m
- 1- AC adapter, 120 VAC or 230 VAC input 7.5 VDC output
- 1- This instruction manual
- 1- Remote control, (optional)

● Typical Hook-up

When you want to use the CCR-8 and record the improved video, connect the CCR-8 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 CCR-8 between the video output of your playback VCR or camcorder and the video input on your TV.

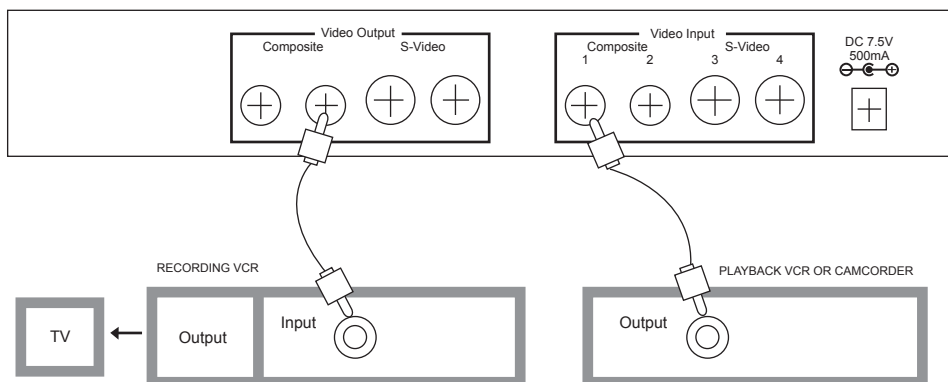
The diagram below shows how to connect between either a camcorder or VCR and a recording VCR.

Step 1: Plug the 7.5 VDC plug into the CCR-8 and the adapter into a standard AC outlet.

Step 2: Connect the video outputs of the playback VCR or camcorder to one of the four Video inputs on the CCR-8 . You can use any one of the composite or s-video connections to match the output of the VCR.

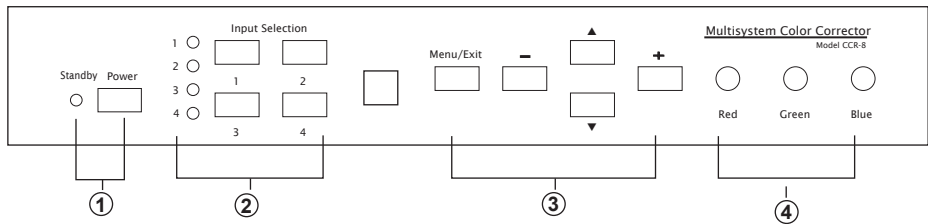
Step 3: Connect the audio output of the playback VCR or camcorder to the audio input on your recording VCR.

Step 4: Connect the video output of the CCR-8 to the video input of the recording VCR.



● Operation

Front panel



① Standby / Power Select:

- When power adapter is plugged in, the CCR-8 enters into standby mode, the Standby LED illuminates. The unit can be further powered on by pressing the power button either on the remote or on the front panel.
 - Press the POWER button to turn on the machine. The Standby LED goes off and one of the input indicators illuminates. The unit is in operation mode.
 - Press the POWER button again to re-enter into standby mode.
- To entirely power off the unit please unplug the power adaptor.

② Input Source Select: Press one of four input buttons to select your desired video input source

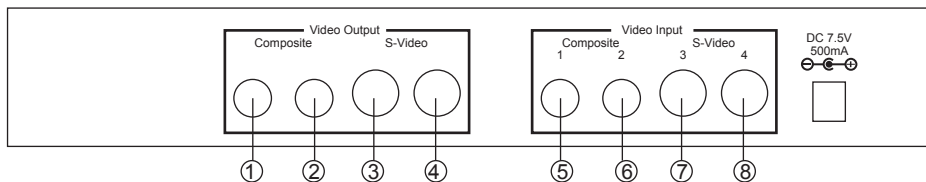
1 button: Press to select composite video 1 as input source

2 button: Press to select composite video 2 as input source

3 button: Press to select S-video 3 as input source

4 button: Press to select S-video 4 as input source

Rear Panel



Video Output

- ① Composite 1- RCA connector for composite video out 1
- ② Composite 2- RCA connector for composite video out 2
- ③ S-Video 3 - S-Video jack output 3
- ④ S-Video 4 - S-Video jack output 4

Video Input

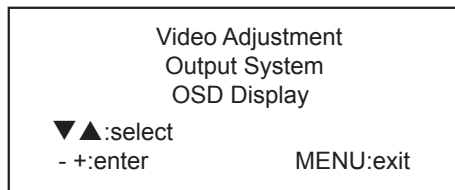
- ⑤ Composite 1- RCA connector for composite video input 1
- ⑥ Composite 2- RCA connector for composite video input 2
- ⑦ S-Video 3 - S-Video jack input 3
- ⑧ S-Video 4 - S-Video jack input 4

DC Input - 7.5 VDC input (center positive)

● MENU/ - / +/ ▼/▲ buttons:

③- [Main Menu]

.Press MENU button to enter Main Menu:



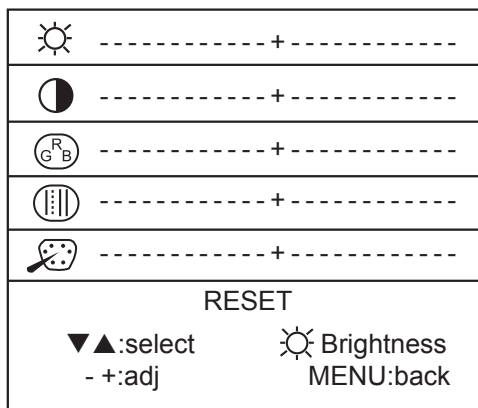
.Press ▼ or ▲ button to select the item you want to adjust.

.Press - or + button to enter the selected item.




.Press MENU to exit menu.

③- [Video Adjustment Menu]






.This page allows you to adjust of the value of varies video parameters.



.Press: ▼ or ▲ button to select the parameter you want to adjust.

 Brightness adjustment  Contrast adjustment  Color adjustment

 Sharpness adjustment  NTSC Tint adjustment

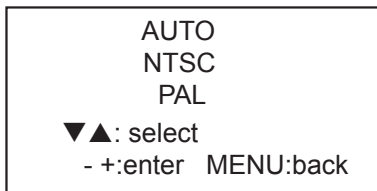
.Select an item from one of  or  or  or  or  icon,
and its value can be varied by pressing - or + button.

.Select RESET and press - or + button to return to default value.

.Press MENU to return to Main Menu.

③-[Output System Menu]

To select output video system.



.Press ▼or▲button to select your desired output system.

Press - or + button to enter the selected item.

.Press MENU to return to Main Menu.

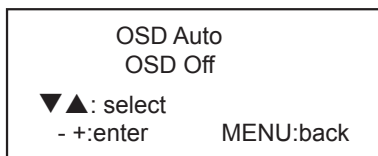
.CCR-8 doesn't conduct field conversion (50Hz/60Hz conversion).

.The table shows video color system conversion between the input and output.

Select item	input system	output system
AUTO	NTSC 3.58	NTSC
	NTSC 4.43	
	PAL M	
	PAL PAL	PAL
	PAL N	
	SECAM	
NTSC	all systems	NTSC
PAL	all systems	PAL

③-[OSD Menu]

.Display the OSD on top-right corner of the screen.



.Press ▼or▲ button to select the item you want to adjust.

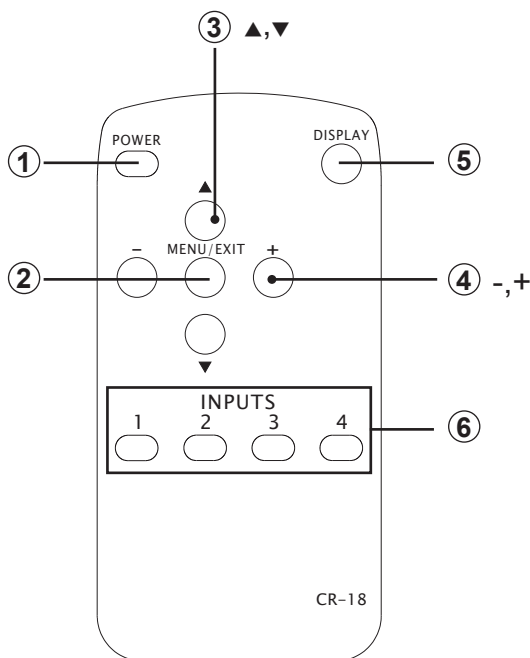
.Press - or + button to enter the selected item.

.Press MENU to back to Main Menu.

● Red/ Green/ Blue Adjustment

- ④ Red- Fine adjustment of the balance of the red color in the picture
- Green- Fine adjustment of the balance of the green color in the picture
- Blue- Fine adjustment of the balance of the blue color in the picture

● Remote control



1. Power :

Press the button to power on the unit

2. MENU/EXIT :

Press to enter main menu page or to exit from the selected parameter

3. ▲, ▼ :

Press to move up /down the high-light bar to your desired adjust parameter

4. -, + :

Press to confirm your selected parameter

5. Display :

Press to show the OSD on top-right corner of the screen

6. INPUT :

Press to select your desired video input

● Technical Specifications

Video

Inputs :

Composite Video (RCA style phono jack)

75 ohm, unbalanced, 1 Vp-p

S-Video (4 pin mini DIN)

Y: 1 Vp-p, 75 ohms, unbalanced

C: 0.286 Vp-p, burst signal, 75 ohms

Outputs :

Composite Video (RCA style phono jack)

75 ohm, unbalanced, 1 Vp-p

S-Video (4 pin mini DIN)

Y: 1 Vp-p, 75 ohms, unbalanced

C: 0.286 Vp-p, burst signal, 75 ohms

Resolution : 550 lines of resolution

Power Input : 7.5 VDC, 500mA, center positive

Adjustment Range :

Tint:

Color: $\pm 30^\circ$

Sharpness: ± 6 db / -12 db

Brightness: ± 3 db

Contrast: $\pm 12\%$

Video S/N Ratio: ± 2 db

Blue/Green/Red: ± 2 db

Blue/Green/Red: ± 2 db / -10 db

Size: 11.3"(W)x 6.75" (D)x 1.8"(H)

Weight: 3 lbs, 2 oz.

Supplied accessories :

AC adapter, 120 VAC input, 15 VDC output

RCA video cable, 3'

Instruction Manual (this document)

Design and specifications are subject to change without notice.

