

NTSC Colour Corrector ID#55



Operation Manual

Introduction

This unit is used for adjusting colour quality of a video signal in order to achieve the best visual effect or copies of videotape.

Features

- Full Red, Green, Blue color correction allows you to increase or reduce individual colors: Vital for correcting White Balance errors.
- Brightness Control: Adjusts the black level of input video and thus Brightens or Darkens the image.
- Colour Control: Adjusts the overall colour saturation (chroma level) of the video image.
- Sharpness Control: Selectively boost 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 grain normally associated with detail enhancers.
- Picture Control: Adjust the overall picture contrast (luminance level).
- Tint Control (NTSC only): Adjust the Tint (color sub-carrier phase) of the picture.
- Fade to Black (PAL only): Fades the image to black.
- Full Electronic bypass: Pushing the button allows you to bypass the unit without disconnecting cables.
- Full Sync and colour burst restoration for Rock Solid copies.
- Eliminates the harmful effects of video copyguard: Rippling, snow, tinting and bad color.

Operating Controls Front Panel



1. **Power-** This is the button to turn on/off the colour corrector.
2. **Fade-** (Normal-black)- This allows the image to fade to black.
3. **Colour-** This control adjusts the chroma level of the output video.
4. **Sharpness-** This control adjusts the sharpness of the output video by selectively boosting or cutting the high frequency detail of the image.
5. **Brightness-** This control adjusts the black level of the output video.
6. **Contrast-** This control adjusts the luminance level of the output video.

7. **Blue-** This control adjusts the balance of blue colour in the picture.
8. **Green-** This control adjusts the balance of the green colour in the picture.
9. **Red-** This control adjusts the balance of the red colour in the picture.
10. **Bypass-** Push the button to bypass the input video to the output.

Note- *An easy way of adjusting the balance of R, G, B element in the picture is to fix one colour element first and then adjust the other two until a balance is reached.*

Rear Panel



1. Video Output-

- **S-Video Output-** S-Video Jack is used for Y/C output. Connect the video output port to your output device.
- **Composite Output-** RCA connector is used for composite video output. Connect the video output port to your output device

2. Video Input-

- **S-Video Output-** S-Video Jack is used for Y/C input. Connect the video input port to your input device.
- **Composite Output-** RCA connector is used for composite video input. Connect the video input port to your input device.

3. Power- DC 15V In- This is the power supply input port. It is to be used with the power pack supplied. Power plug is available for most countries.

*** Warning-** *While this unit allows you to duplicate rental movies, copyrighted videotapes or DVD discs, NOTE that the unit was NOT designed or intended to perform this function. It is ILLEGAL to copy any copyright material without permission.*

Connection and Installation

The AC adaptor power unit should not be plugged into a wall outlet until all connections are complete.

- Using your connector cable connect the output (Number 1 on Rear panel) to your output device (TV or VCR). The output either being Composite or S-Video.

- Using your connector cable connect your input (Number 2 on Rear panel) to the input device (VCR, Camcorder or other video sources). Input either being Composite or SVideo.

Once all connections are complete please connect the power supply provided to the power socket (number 3 on rear panel).

Specifications

Picture Resolution	550 lines
S/N Ratio	55 dB
Input	1 S-VHS Y/C input 1 RCA composite video input
Output	1 S-VHS Y/C output 1 RCA composite video input
Cables	1 standard RCA cable
Power	15V 600mA Center negative