

instruction manual

Model 619HWY
video dual cross hair generator

s/n _____

november 2008

WARNING

This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause interference to radio communications.

It has been tested and found to comply with the limits for a class A computing device pursuant to subpart of J of part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

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1.1 INTRODUCTION

This instruction manual is to be used as a guide to the installation, adjustment, operation and maintenance of the Colorado Video Model 619HWY Dual Cross Hair Generator.

1.2 PURPOSE OF EQUIPMENT

The Model 619HWY Video Dual Cross Hair generator is used to generate lines on a television screen. It allows rapid alignment of subject material with a predetermined location when used in conjunction with a standard TV camera and monitor.

1.3 DESCRIPTION OF EQUIPMENT

The Model 619HWY accepts composite video input, adds full raster lines to the video and provides a composite video output of the video lines for display on a standard TV monitor. The position of the lines can be varied over 90% of the raster width using the front panel controls.

1.4 SPECIFICATIONS

Size:	6.9”W x 4.9”L x 2.5”H excluding controls and connectors
Mounting:	Free standing
Construction:	Solid-state PC Board in ABS case
Power:	+12 VDC
Input Signal:	Video, composite, 1 V p-p, 75 Ω, internal termination
Output Signal:	Video, composite, 1 V p-p, 75Ω
Operating controls:	H position (2): <90% of raster V position (2): <90% of raster Solid/Dashed (switch) 2/1 sets of lines (switch) Lines Black/Off/White (switch)
Connectors:	Video In: BNC Video-Out: BNC Power: 2.5mm coaxial, center pin positive

2.3.3 Internal Controls - Factory Set

Control	Function
Line Length (2)	Adjusts length of horizontal line at right end.

SECTION II

OPERATING INSTRUCTIONS

2.1 INTRODUCTION

This section contains the general operating instructions and procedures for the Model 619HWY Video Dual Cross Hair Generator.

2.2 INSTALLATION AND OPERATION

Connect a camera or other source of a composite video signal to the VIDEO IN connector on the rear of the 619HWY. Connect a video monitor to the VIDEO OUT connector.

Apply power to the camera, monitor and the 619HWY. Be sure to use only a 5VDC regulated power supply for the Model 619HWY. Any other type of supply could cause an unstable line display or damage to the unit. The monitor will display the subject viewed by the camera with Dual Cross hair superimposed.

Adjust the position controls on top panel. The cursor lines should move.

2.3 CONTROLS

2.3.1 OPERATING CONTROLS

<u>Control</u>	<u>Location</u>	<u>Function</u>
H Position	(2)Top Panel	Sets horizontal position of the vertical cursor lines
V Position	(2)Top Panel	Sets vertical position of the horizontal cursor lines
Off/White/Black	Top Panel	Sets color of line display
Solid/Dashed	Top Panel	Selects solid or dashed line display “M” option only
2/1 Line Sets	Top Panel	Selects 1 or two sets of lines for display

warranty

Colorado Video, Incorporated warrants the equipment of its manufacture to be free of defects in material and/or workmanship under normal use and service. Colorado Video, Incorporated's obligation under this warranty is limited to making good at its laboratories any part or parts thereof, which shall within one (1) year after delivery to the original purchaser be returned to Colorado Video, Incorporated at its laboratories, with transportation charges prepaid, and which Colorado Video, Incorporated's examination shall disclose to its satisfaction to have been defective.

This warranty is expressly in lieu of all other warranties and representation, express or implied, and of all other obligations or liabilities on the part of Colorado Video, Incorporated. In no event shall Colorado Video, Incorporated be liable for damages of any kind connected with the use of its equipment or its failure to function properly.

This warranty shall not apply to any equipment which shall have been repaired or altered outside of Colorado Video, Incorporated's laboratories so as to, in Colorado Video, Incorporated's judgement, affect its use, function, reliability, or which shall have been subject to misuse, alteration, improper installation, negligence, or accident.

Before any equipment is returned to Colorado Video, Incorporated for repairs or adjustments, shipping instructions should be obtained from Colorado Video, Incorporated. Colorado Video, Incorporated assumes no responsibility for unauthorized returns.