

instruction manual
model 650 video inverter

s/n _____

colorado video, inc

boulder, colorado

july 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.

TABLE OF CONTENTS

Section I	GENERAL DESCRIPTION	Page
	1.1 Introduction	1
	1.2 Purpose of Equipment	1
	1.3 Description of Equipment	1
	1.4 Specifications	2
Section II	OPERATING INSTRUCTIONS	3
	2.1 Introduction	3
	2.2 Initial Installation	3
	2.3 Operation	3
Section III	WARRANTY	4

SECTION I

GENERAL DESCRIPTION

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 650 Video Inverter.

1.2 PURPOSE OF EQUIPMENT

The Model 650 Video Inverter is intended for use in the applications where inversion of the video may provide more desirable viewing of images.

1.3 DESCRIPTION OF EQUIPMENT

The Colorado Video Model 650 accepts a composite video input. The video input is terminated with 75 ohms.

Front Panel controls are provided for all normal functions of the unit, including video inversion and an offset (brightness) control that is active only when the Model 650 is in invert mode.

1.4 SPECIFICATIONS

Size:	2.4”H X 6.9”W X 4.9”D
Mounting:	Tabletop
Construction:	solid-state, PC Board
Power:	9 VAC 60 Hz 120mA
Connectors:	BNC
Inputs:	Video 1v. p-p composite 75 ohms
Outputs:	Video 1v p-p (nominal) composite, 75 ohms Video Bandwidth Over 16 MHz at Minimum gain 1 MHz at Maximum gain
Controls:	Video +/- Offset

SECTION II

OPERATING INSTRUCTIONS

2.1 INTRODUCTION

This section contains the general operating instructions and procedures for the Model 650 Video Inverter.

2.2 INITIAL INSTALLATION

Rear Panel

Connect the video source to the Video In connector on the rear panel of the 650. Connect the Video Out from the 650 to the input of a video monitor.

Front Panel

Set video +/- switch to +

Set Offset full counter clockwise.

Apply power to all equipment. The monitor should display the video source image. If not, re-check the cabling.

Offset

This control (active only in invert mode) should normally be left fully counterclockwise. It is generally useful only when an unusual image plus inversion causes black portions of the image to go below blanking level becoming unviewable or interfering with the synchronization of the monitor.

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.