



eyeheight



FP-9c

canalettoCP colour panel

user manual

Table of Contents

1 System Overview	4
2 Installation	5
2.1 The I-Bus (Sometimes called the can-bus)	5
2.1.1 I-Bus pin-out.	5
2.1.2 What cable do I use?	5
2.1.3 Must I terminate the network?.....	5
2.1.4 How do I cable I-bus items together?.....	5
2.1.5 What are the other pins on the 9 way D-type for?.....	5
2.2 Connections to a canalettoCP colour control panel	6
2.3 Associated Equipment for the canalettoCP control panel	6
3 Control Panel	7
4 Operation	9
4.1 CanalettoCP colour control panel set-up menus.....	9
4.2 Operational Menus.....	14

Table of Figures

Figure 1 – Typical Connection Diagram	6
Figure 2 - canaletto Colour Control Panel	8

I System Overview

This manual describes the function of the canalettoCP colour panel (FP-9c). The canalettoCP colour panel is designed to provide a simple, intuitive method of controlling the canalettoCP colour correction system. It gives individual, colour coded control of R, G, and B Gain, lifts and Gamma thus enabling the user to make full use of the colour correction.

- Simple individual control of RGB gain, lift and master gamma.
- Overall luma and chroma gain.
- Overall hue correction.
- Adjustable legalisation levels.
- 6 user memories.

2 Installation

2.1 The I-Bus (Sometimes called the can-bus)

ALL eyeheight systems are linked together using a control network called the I-BUS. This is a hub-less 2-wire network. Every eyeheight item **MUST** be connected to this 2-wire network for them to communicate with each other. The I-Bus connection is on a 9-way D-Type connector, usually male.

2.1.1 I-Bus pin-out.

The I-bus pin-out is as follows:

Pin 1 and 5	Ground 0V
Pin 2	I-Bus-
Pin 7	I-Bus+

Table 1 Basic I-Bus pin-out on a 9-way D-type connector.

2.1.2 What cable do I use?

The very best cable to use is the same cable you would use for cabling AES-2 digital audio (digital audio twisted pair). We find that this makes a very robust network, which will work reliably at distances up to 250meters. You can use a CAT-5E pair but this will only work up to 50meters. The Shield for the pair should be connected to ground.

2.1.3 Must I terminate the network?

The answer to this is **YES** the network **MUST** be terminated for reliable operation. Both ends of your cable must be terminated each with a 100ohm resistor.

2.1.4 How do I cable I-bus items together?

The best way is to loop a single cable from the first item to the next and so on until the last item is cabled. This results in a single run with no "spurs" meaning the two ends of the cable are clearly identifiable as the place to put the termination resistors. Avoid "Star" type of cabling.

2.1.5 What are the other pins on the 9 way D-type for?

The other pins are for remote power. The pin-out is given below

Pin 1,5	Ground 0V
Pin 4,9	Remote Power (+13V 1 Amp)

Table 2 - Power pins on the I-bus connector.

