

EDL Displays

Quick Setup Guide

GENERAL

This section describes the installation of the monitor. The monitor is pre-aligned at the factory to user input requirements. However, there may still be the need for some minor adjustments to be made. Those procedures will be provided later in the adjustment section.

UNPACKING

Before unpacking, the carton should be inspected for shipping damage. The carton should be carefully opened and the monitor removed. The monitor should then be carefully inspected for shipping damage. If damage has occurred, the shipping carton and all packing materials should be saved for possible inspection by the shipping company. The shipping company should be notified at this time.

AC POWER CONNECTION

Before connecting the monitor, determine the a/c. power that is to be used and that the monitor is configured properly for that voltage. The voltage of the monitor may be changed at the power supply module accessible from the rear of the unit. The power supply must be removed for access to the voltage select switch. The power supply is configured for 110V operation at the factory unless otherwise specified by the customer.

CONNECTIONS

1. Connect red, green, and blue video cable to the respective inputs on the back of the monitor.
2. Connect the sync input(s) if they are being used.
3. Connect the remote control to the RJ-11 connector marked "IN" on the back of the micro board with cable supplied.
4. Connect a/c power input to a/c power with cable supplied.
5. Press "Power on/off" button on front of monitor.
6. If necessary make adjustments to geometry and convergence as described in 'Remote Control Operation' section below.

REMOTE CONTROL OPERATION

Adjustments to the monitor are made from the monitor remote control. The remote control includes a membrane keypad with a Liquid Crystal Display (LCD). The remote control panel provides monitor select, color balance, geometry and control level information all on the LCD. Monitor adjustment parameters are detailed in Table 1.1. To enter adjustment mode press the key of the monitor desired (in single monitor systems this is #1). Then press the key of the desired adjustment. Press the large up and down arrows for coarse adjustments and the small arrows for fine adjustments. The results of the adjustments are stored in temporary memory until they are saved by pressing F2 from the main menu at which time they are stored in permanent memory.








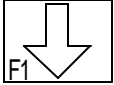
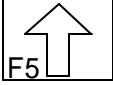
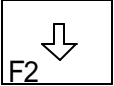
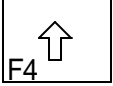
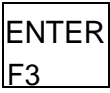









F1 ↓	F2 ↓	ENTER F3	F4 ↑	F5 ↑
1 6	2 7	3 8	4 9	5 10
V-SIZE	V-POS	VERT RETRACE	H-SIZE	H-POS
		V-PIN SHAPE		
VERT FOCUS				HORZ FOCUS
V CONV STAT	H CONV MAG	H CONV PHASE	H CONV STAT	H FOCUS SHAPE
ALL GAIN	R GAIN	G GAIN	B GAIN	DEFAULT
ALL BLACK	R BLACK	G BLACK	B BLACK	CTRL
MAINT	STATUS SLEEP	DE- GAUSS	ENTER	SHIFT

Figure 1 Hand-Held Remote Control Keypad

Remote Adjustment Controls

KEY(S)	FUNCTION										
 	Course adjustment of selected function; decrease or increase										
 	Fine adjustment of selected function; decrease or increase. "F2" function also saves all parameters in monitor memory.										
	Enters the selected value in temporary memory and returns display to selection menu.										
<table border="1" style="margin: auto;"> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> <td style="text-align: center;">5</td> </tr> <tr> <td style="text-align: center;">6</td> <td style="text-align: center;">7</td> <td style="text-align: center;">8</td> <td style="text-align: center;">9</td> <td style="text-align: center;">10</td> </tr> </table>	1	2	3	4	5	6	7	8	9	10	Monitor select buttons. Default value is 1 through 5; 6 through 10 may be selected using the "Shift" key.
1	2	3	4	5							
6	7	8	9	10							
<table border="1" style="margin: auto;"> <tr> <td style="text-align: center;">V-SIZE</td> <td style="text-align: center;">V-POS</td> </tr> </table>	V-SIZE	V-POS	Adjusts vertical screen size (from top down) and vertical position.								
V-SIZE	V-POS										
<table border="1" style="margin: auto;"> <tr> <td style="text-align: center;">H-SIZE</td> <td style="text-align: center;">H-POS</td> </tr> </table>	H-SIZE	H-POS	Adjusts horizontal screen size and horizontal position.								
H-SIZE	H-POS										
	Adjusts compression of horizontal lines in the top half of the screen. Minor effect.										
	Affects the flatness of the top horizontal line.										
	"VPIN_MAG" bows all horizontal lines but the center out or in.										
	"VPIN_CENT" bows all horizontal lines (including center) up or down.										
	"VPIN_PHASE" slants all horizontal lines but the center away/toward each other.										
	"HPIN" barrels or pincushions (bows) all vertical lines but the center.										
	"HTRAP" slants all vertical lines but the center away/toward each other.										
	"TILT" rotates the screen clockwise or counter-clockwise about the center.										

	<p>“HTILT” slants all vertical lines relative to horizontal lines.</p>
<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">VERT FOCUS</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">HORZ FOCUS</div> </div>	<p>Vertical focus adjusts focus from center to top; horizontal focus from center to sides.</p>
<div style="border: 1px solid black; padding: 2px; text-align: center;">H FOCUS SHAPE</div>	<p>Equalizes focus on left and right sides of the screen.</p>
<div style="border: 1px solid black; padding: 2px; text-align: center;">V CONV STAT</div>	<p>Adjusts the overall convergence of the <i>horizontal</i> R,G,B lines.</p>
<div style="border: 1px solid black; padding: 2px; text-align: center;">H CONV MAG</div>	<p>Adjusts the R,G,B convergence of the center <i>vertical</i> lines relative to outer lines.</p>
<div style="border: 1px solid black; padding: 2px; text-align: center;">H CONV PHASE</div>	<p>Adjusts the R,G,B convergence of the left edge <i>vertical</i> lines relative to the right.</p>
<div style="border: 1px solid black; padding: 2px; text-align: center;">H CONV STAT</div>	<p>Adjusts the overall R,G,B convergence of <i>vertical</i> lines across the entire screen.</p>
<div style="display: flex; justify-content: space-around; border: 1px solid black; padding: 2px;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">ALL GAIN</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">R GAIN</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">G GAIN</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">B GAIN</div> </div>	<p>Adjusts gain/contrast level of all colors (“ALL”) or each individual color.</p>
<div style="display: flex; justify-content: space-around; border: 1px solid black; padding: 2px;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">ALL BLACK</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">R BLACK</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">G BLACK</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">B BLACK</div> </div>	<p>Adjusts brightness/black level of all colors (“ALL”) or each individual color.</p>
<div style="border: 1px solid black; padding: 2px; text-align: center;">MAINT</div>	<p>Enters the maintenance mode of the monitor. <i>For EDL technicians only.</i></p>
<div style="border: 1px solid black; padding: 2px; text-align: center;">DE- GAUSS</div>	<p>Energizes the coil around the monitor tube to demagnetize the screen.</p>
<div style="border: 1px solid black; padding: 2px; text-align: center;">ENTER</div>	<p>Mimics the function of the “ENTER/F3” button at the top center of remote.</p>
<div style="border: 1px solid black; padding: 2px; text-align: center;">SHIFT</div>	<p>Allows for selection of monitors # 6-10.</p>
<div style="display: flex; justify-content: space-around; border: 1px solid black; padding: 2px;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">DEFAULT</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">CTRL</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">STATUS SLEEP</div> </div>	<p>Nonfunctional; reserved for future use.</p>