CHAUVET® LED Studio

User Manual





Edition Notes	CHAUVET® LED Stud troubleshooting of the User Manual in Februa CHAUVET® is a regist	VIP™ Series. Chauv ary 2015.	et released this edition	on of the LED Studio
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Notes



1. Before You Begin

Manual	Convention	Meaning
Conventions	<menu></menu>	A button, tab, or drop down menu on the product's control screen
	1–512	A range of values
	50/60	A set of values of which only one can be chosen
	Settings	A menu option not to be modified (for example, showing the operating mode/current status)
	MENU > Settings	A sequence of menu options to be followed
	<enter></enter>	A key to be pressed on the product's control panel
	ON	A value to be entered or selected
Symbols	Symbol	Meaning
	\triangle	Critical installation, configuration, or operation information. Failure to comply may make the product not work, damage it, or cause harm to the user.
	()	Important installation or configuration information. The product may not function correctly if this information is not used.
		Useful information.



2. Introduction

Product Description

The LED Studio software contains various functions and capabilities. This User Manual intends to explain only those functions needed to operate the VIP[™] Series of products.

Panel Addressing & Access the panel addressing in the menu bar through Option > Hardware drop-down menu. All panel configuration and positioning is done in this screen.

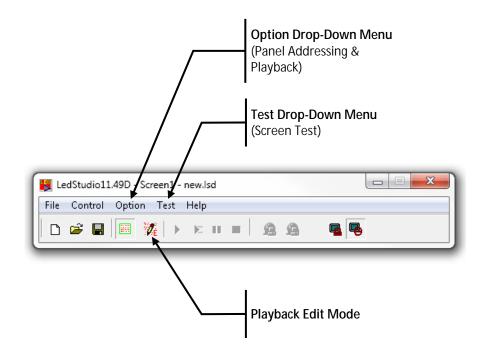
Screen Test LED Studio offers multiple options for testing colors and alignment to confirm that the addressing is correct. Access each of these via the menu bar using the **<TEST>** drop-down menu.

Playback Edit The playback functions available in LED Studio are intended as additional troubleshooting tools, and not for show playback. Chauvet recommends Arkaos MediaMaster software, which offers numerous playback triggers, including DMX, Art-net, Kling-net, MA-net, MIDI, and QWERTY.

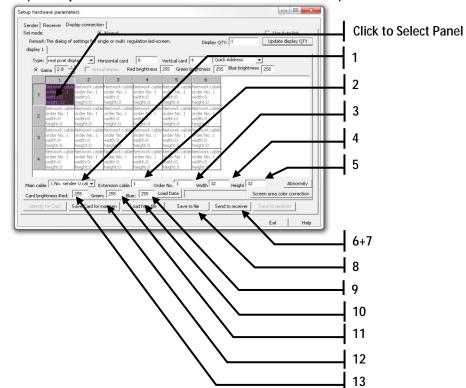
Features · Video panel addressing software for the VIP™ Series

- · PC-based, compatible with both 32-bit and 64-bit systems
 - Compatible with VIP[™] Drivers

Product Overview (Main Window)







Product Overview (Setup Hardware Parameters Window)

1 2 3	TitleVIP™ Driver output portExtension port/cableOrder number	Description Select the output port for the selected panel Select the output of the VIP™ Signal Distributor Select the order number from either the VIP™ Driver or the VIP™ Signal
	Extension port/cable	Select the output of the VIP™ Signal Distributor
	•	
3	Order number	Select the order number from either the VIP [™] Driver or the VIP [™] Signal
		Distributor
4	Panel width	Select the individual panel pixel width. This may be found in the panel user manual
5	Panel height	Select the individual panel pixel height. This may be found in the panel user manual
6	Save to receiver	Once the "Save to receiver" function is successful this is used to save the configuration in the panels. This will remain even after cycling the panel power on/off.
7	Send to receiver	Once the entire configuration is complete, this is used as a temporary addressing test (not permanent). After you visually confirm that the addressing is correct, use the "Save to receiver" function
8	Save to file	Save the configuration file to a backup file
9	Panel blue intensity	Modify the individual panel maximum blue intensity
10	Load from file	Load a saved configuration file
11	Panel green intensity	Modify the individual panel maximum green intensity
12 5	Save card for maintenance	Save the individual panel settings for later maintenance
13	Panel red intensity	Modify the individual panel maximum red intensity



Proc	duct Overview (Setup	Screen Area Window)
	Always display screen area	ve on files Save to screen height: 120 ve on files Save to screen height: 120 121 123 14
		17
	Title	Description
1	Title Display selection	
1 2		Description
	Display selection	Description Select the display to modify
2	Display selection Start X	Description Select the display to modify Select the Starting X coordinate (in pixels, on-screen) (horizontal)
2 3	Display selection Start X Start Y	Description Select the display to modify Select the Starting X coordinate (in pixels, on-screen) (horizontal) Select the Starting Y coordinate (in pixels, on-screen) (vertical) Select the individual panel pixel width. This may be found in the panel user
2 3 4	Display selection Start X Start Y Display width	Description Select the display to modify Select the Starting X coordinate (in pixels, on-screen) (horizontal) Select the Starting Y coordinate (in pixels, on-screen) (vertical) Select the individual panel pixel width. This may be found in the panel user manual Select the individual panel pixel height. This may be found in the panel user
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2 3 4 5 6	Display selection Start X Start Y Display width Display height Screen width	DescriptionSelect the display to modifySelect the Starting X coordinate (in pixels, on-screen) (horizontal)Select the Starting Y coordinate (in pixels, on-screen) (vertical)Select the individual panel pixel width. This may be found in the panel user manualSelect the individual panel pixel height. This may be found in the panel user manualThe physical screen width, in LED quantity
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2 3 4 5 6 7 8	Display selection Start X Start Y Display width Display height Screen width Screen height Zoom display check box	DescriptionSelect the display to modifySelect the Starting X coordinate (in pixels, on-screen) (horizontal)Select the Starting Y coordinate (in pixels, on-screen) (vertical)Select the individual panel pixel width. This may be found in the panel user manualSelect the individual panel pixel height. This may be found in the panel user manualThe physical screen width, in LED quantityThe physical screen height, in LED quantityThis will enable the Zoom function
2 3 4 5 6 7 8 9	Display selection Start X Start Y Display width Display height Screen width Screen height Zoom display check box Nudge controls	DescriptionSelect the display to modifySelect the Starting X coordinate (in pixels, on-screen) (horizontal)Select the Starting Y coordinate (in pixels, on-screen) (vertical)Select the individual panel pixel width. This may be found in the panel user manualSelect the individual panel pixel height. This may be found in the panel user manualThe physical screen width, in LED quantityThe physical screen height, in LED quantityThis will enable the Zoom functionThis will adjust the Start X and Y values in single digits
2 3 4 5 6 7 8 9 10	Display selection Start X Start Y Display width Display height Screen width Screen height Zoom display check box Nudge controls Exit button	DescriptionSelect the display to modifySelect the Starting X coordinate (in pixels, on-screen) (horizontal)Select the Starting Y coordinate (in pixels, on-screen) (vertical)Select the individual panel pixel width. This may be found in the panel user manualSelect the individual panel pixel height. This may be found in the panel user manualThe physical screen width, in LED quantityThe physical screen height, in LED quantityThis will enable the Zoom functionThis will adjust the Start X and Y values in single digitsPress to Exit this screen
2 3 4 5 6 7 8 9 10 11	Display selection Start X Start Y Display width Display height Screen width Screen height Zoom display check box Nudge controls Exit button Save to screen button	DescriptionSelect the display to modifySelect the Starting X coordinate (in pixels, on-screen) (horizontal)Select the Starting Y coordinate (in pixels, on-screen) (vertical)Select the individual panel pixel width. This may be found in the panel user manualSelect the individual panel pixel height. This may be found in the panel user manualThe physical screen width, in LED quantityThe physical screen height, in LED quantityThis will enable the Zoom functionThis will adjust the Start X and Y values in single digitsPress to Exit this screenPress to save settings to the video wall

3. Setup

Connecting the Hardware (VIP™ Driver) The LED Studio software works with the CHAUVET® VIP[™] Driver. You may connect up to four VIP[™] Drivers, each outputting up to 1280 x 1024 total video wall resolution.

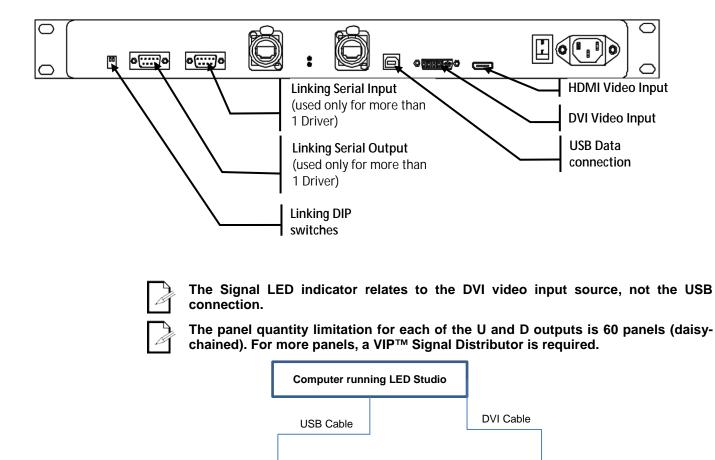
Connecting a single VIP™ Driver

The VIP[™] Driver uses the USB connection for all of the addressing and other communication to the device. You run the video separately through the DVI or HDMI connection.

- 1. Make sure the product power switch is OFF
- 2. Plug in the USB to the driver

VIP[™] Driver

- 3. Plug in the DVI/HDMI video source to the driver
- 4. Set the DIP switch address to [Sender #1]
- 5. Connect from the output of U, D, or both, depending on the desired configuration



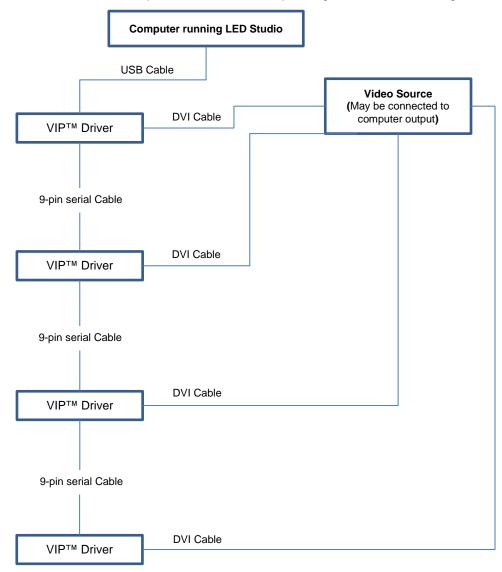
Video Source

(May be connected to computer output)



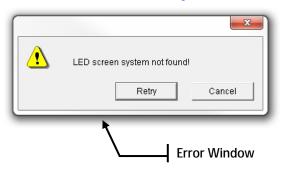
Connecting Multiple	The LED Studio software is capable of controlling up to four VIP™ Drivers
VIP [™] Drivers	simultaneously, a feature good for a larger video wall setup, or when a unique video source for each VIP [™] Driver is required.

- 1. Make sure the product power switch is OFF
- 2. Plug in the USB to the driver
- 3. Plug in the DVI/HDMI video source to the driver
- 4. Set the DIP switch address to [Sender #1]
- 5. Connect from the output of U, D, or both, depending on the desired configuration



Installing the USB Hardware Drivers	The com	hardware municate w	drivers ith the VI	must P™ Dr	be iver.	installed	before	the	LED	Studio	software	can
	1.	Plug the US	SB cable	into th	e Wi	ndows-ba	sed com	puter				

- Plug in the IEC power cable and turn on the power switch
- 3. The Windows machine should automatically prompt you to install the hardware drivers. The current passcode is: 9291115
- 4. If you have not already installed LED Studio, open the application installation file that is located on the software disk that ships with the VIP[™] Driver and follow the software installation steps
- 5. The software creates a subfolder in the LED Studio program folder directory. This folder is //Program files/LED Studio/CP210x
- 6. For 32-bit systems, use the //Program files/LED Studio/CP210x/x86 folder
- 7. For 64-bit systems, use the //Program files/LED Studio/CP210x/x64 folder
- 8. If you open the LED Studio software and see the following window, then the hardware drivers have not been installed properly
- **Troubleshooting** If you do not have the hardware drivers properly installed, the window below will appear. Try reinstalling the drivers as described in <u>Installing the USB hardware drivers</u>.





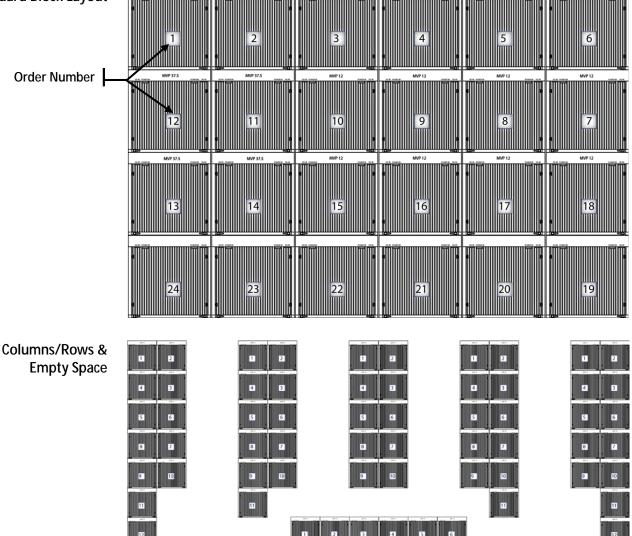
The driver installation utility will automatically install the drivers for 32-bit operating systems only! 64-bit operating systems require manual driver installation through the device manager in your Windows software.



4. Addressing Setup Options

The LED Studio software allows multiple setup options. This manual describes Standard Block (Full & Quick Address), Columns/Rows with Empty Space, and Multiple Displays. The Multiple Displays option consists of two or more Standard Block or Columns/Rows with Empty Space. Elaborating on these 3 examples, makes more intricate designs possible.

Standard Block Layout

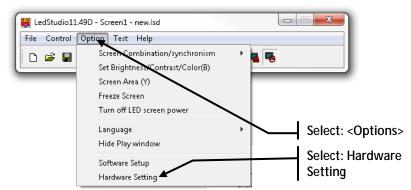


Standard Block Layout

(Full Address)

The standard block layout is a basic rectangular design, with no spaces or gaps. It is constrained only by the capacity of the VIPTM Driver total resolution, which is 1280×1024 .

- 1. Open LED Studio
- 2. Select Options > Hardware Setting



3. Select the **<Display connection>** tab

		Select: <display connectio<br="">Tab</display>
Setup hardware parameters Sender Receiver Display connection Display mode 1024/759 Hardware port Hardware port Y Stat V Stat V Stat StatX 0 StatX 0 Height 1 Height 1 Hardware Sightness 16 32 64	86 only ✓ Use 86 ✓ Use 10 bit colors ✓ Use plug and play for DVI ✓ Use monitor for card/box Single Color only Remember LAN	Pot of hot backup Card 1U Card 1D Card 2D Card 2D Card 3D Card 3D Card 4D Card 4D Card 4D Card 4D Card 4D Card 5D Card 5D Card 2D Card 3D Card 4D Card 4D C
Hardware Hardware:00.1 Model: Unkown	Check Hardware De	fault Save on sender Exit Help

4.

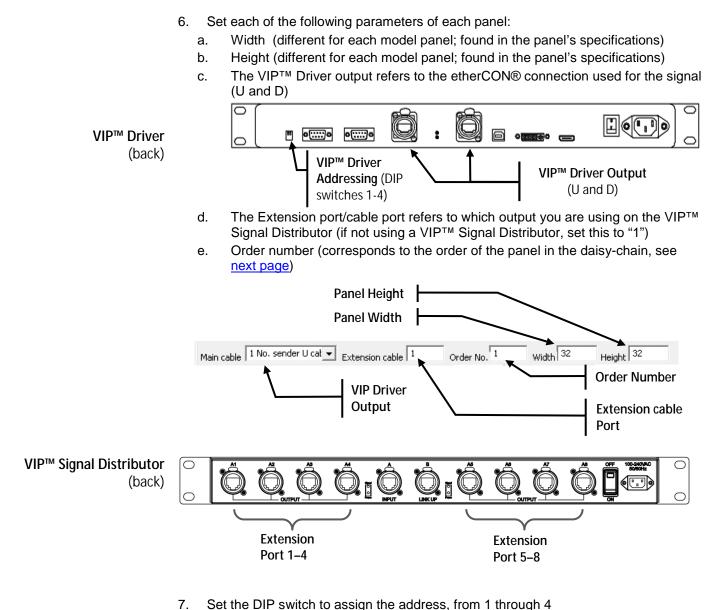


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	real pixel disp ama		orizontal card	6 d brightness	Vertical card		Quick Ac		▼ *** 255			
	1	2	3	4	5	6						
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5. Click on the top, left panel to highlight its settings

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		twork cable Jer No. 1	Network cable order No. 1							
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		ight:32	height:0	height:0	height:0	height:0	height:0			
			Network cable order No. 1							
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Set the width and height of your display (in panel quantity). In this example, the size is 6 panels wide x 4 panels high



Set the DIP switch to assign the address, from 1 through 4



When not using the VIP[™] Signal Distributor, you should set the value of the Extention cable port to 1.

This is the first physical panel connected by the signal cable (etherCON®) from the VIP[™] Driver.



8. Once each panel has been addressed, press **<Send to receiver>** to test the configuration on the panels (the panels must be connected)

	i real pixel dis iama 2.8		orizontal card al display F	6 Red brightness	Vertical card		ick Address 5 Blue brightne	▼ 255	
1	1 Network cable order No. 1 width:32	2 Network cable order No. 1 width:0	3 Network cab order No. 1 width:0	4 ole Network cab order No. 1 width:0	5 le Network cable order No. 1 width:0	6 Network cable order No. 1 width:0			
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	ghtness:Red:	Save Card for r		Load from file	Save t	ofile Se	nd to receiver	Save to receiv	
							\neg	Exit	Hel

- 9. A window will appear to confirm if the setting was sent successfully. Select **<YES**>, to move onto the next step. Select **<NO>** to edit the last saved setting.
- 10. If your settings are correct and the panels address properly, then continue to save the configuration in the panels by pressing the **<Save to receiver>** button.

There is an option that is only available for the Standard Block layout. This is called the

Standard Block Layout

(Quick Address)

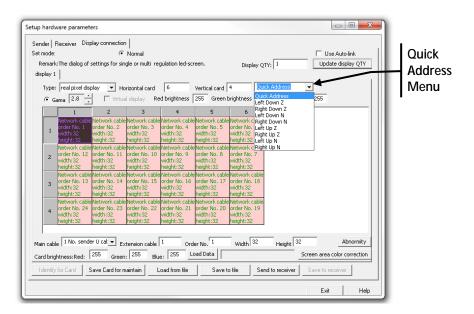
Please refer to Standard Block Layout (Full Address) for screen shots of steps 1–6.

"Quick Address" option. Access this by using the following drop-down menu.

- 1. Open LED Studio
- 2. Select **Options > Hardware Setting**
- 3. Select the **<Display connection>** tab
- 4. Select the width and height of your screen (in panel quantity)
- 5. Click on the top, left panel to highlight its settings
- 6. Select the top, left panel and set the following parameters:
 - a. Width (different for each model panel; found in the panel's specifications)
 - b. Height (different for each model panel; found in the panel's specifications)
 - c. VIP[™] Driver output
 - d. Extension port/cable port (if not using an VIP[™] Signal Distributor, set this to "1")
 - e. Order number (corresponds to the order of the panel in the daisy-chain)

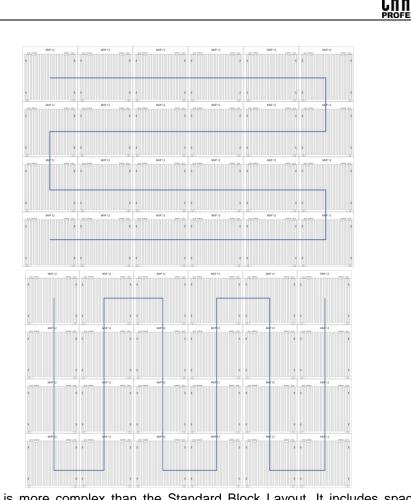


7. Select the <Quick Address> drop-down menu



8. Choose one of the available options from the chart below for auto addressing

Function	Description
Left Down Z	Assumes a horizontal zig-zag configuration, with the first panel being the bottom, left (from the front view)
Right Down Z	Assumes a horizontal zig-zag configuration, with the first panel being the bottom, right (from the front view)
Left Down N	Assumes a vertical zig-zag configuration, with the first panel being the bottom, left (from the front view)
Right Down N	Assumes a vertical zig-zag configuration, with the first panel being the bottom, right (from the front view)
Left Up Z	Assumes a horizontal zig-zag configuration, with the first panel being the top, left (from the front view)
Right Up Z	Assumes a horizontal zig-zag configuration, with the first panel being the top, right (from the front view)
Left Up N	Assumes a vertical zig-zag configuration, with the first panel being the top, left (from the front view)
Right Up N	Assumes a vertical zig-zag configuration, with the first panel being the top, right (from the front view)



Vertical Zig-zag

Horizontal Zig-zag

Column/Row with This layout is more complex than the Standard Block Layout. It includes spaces and gaps, which may be single panels, rows, or columns.



Please refer to Standard Block Layout (Full Address) for screen shots of steps1-4.

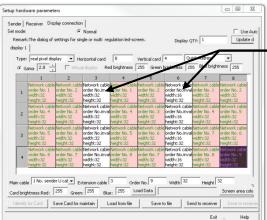
- 1. Open LED Studio
- 2. Select Options > Hardware Setting
- 3. Select the Display connection tab
- 4. Select the width and height of your screen (in panel quantity)



Remember to include your empty spaces in your width and height quantities for step #4.

You cannot use the Quick Address options when using this type of configuration.

5. Set each of the panels with the appropriate fields, excluding the empty spaces. An example of columns with empty space



Set space between panels to "empty". In this example, there are empty columns

- 6. Set the width and height of the empty spaces. Keep in mind that the panel width and height refers to the physical size of the space between the panels around it
- 7. The size of the empty panels must be set, depending on the space needed. Use the physical space between MVP[™] panels to set the width and height. For example, if you are using the MVP[™] 18 (32x32 LEDs), and you have 2 ft between the columns (physical width of a single panel) you should set your empty width to "32"

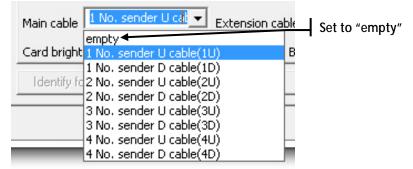
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Ider	ntify	for Card 9	ave Card for m	aintain L	oad from file	Saveb	o file Se	nd to receiver	Save to receiv



In this example, the height should remain the same, regardless of how much space there is between the panels.



8. Once the size of the empty has been set, the panel output must be turned off. Do this by setting it to "empty" in the **<Main cable>** drop-down menu



Standard Block Layout (Multiple Display) This setup encompasses multiple displays, each of which may be either standard block layouts or column/row layouts.

- 1. Create a Standard Block or Column/Row with Empty Space layouts
- 2. Navigate to **Options > Hardware Setting > Display connection**
- 3. Change the quantity of displays to "2"
- 4. Press < Update display> button

dis	play : Type	: real pixel dis	olay 💌 Ho	rizontal card	8	Vertical card		ick Address		"Update display"
	• •	iama 2.8	2	l display Re	d brightness	255 Green b	6	7	ness 255	
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	3	Network cable order No. 1 width:0 height:0	Network cable order No. 1 width:0 height:0	order No. 1 width:0	Network cable order No. 1 width:0 height:0	Network cable order No. 1 width:0 height:0	Network cable order No. 1 width:0 height:0		Network cable order No. 1 width:0 height:0	
	4	Network cable order No. 1 width:0 height:0	Network cable order No. 1 width:0 height:0	order No. 1 width:0	Network cable order No. 1 width:0 height:0					
		le 1 No. sende				er No. 1 Dad Data	Width 0	Height	Screen area colo	

- 5. Select the second display, and address it (see <u>Standard Block</u> or <u>Column/Row</u>)
- 6. Send the addressing to the video wall by pressing <Send to receiver>



The display quantity is limited by the speed and memory of the graphics card of the computer.

All of the displays will overlap at the top, left corner of the screen! Refer to the <u>Screen Area</u> section to control the position of the displays.





5. Customizing

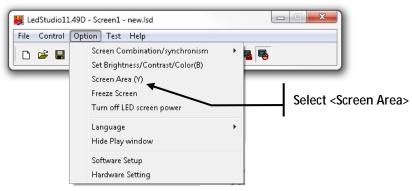
Screen Area

When you are using multiple displays, each display is addressed overlapping on the top, left corner of the screen. This section describes how to change the position of the different displays in LED Studio, so that you have independent control over them.



Complete the panel addressing before you perform this procedure.

1. Select Option > Screen Area



- 2. Select the display you wish to move
- Change the values of the <Start X> and/or <Start Y> until the displays are not overlapping

Setup Screen Area	<start x=""></start>
display 1 display 2	
Start X: Display width: 192 Screen width: 192	
Start Y: 0 Display height: 128 Screen height: 128	<start y=""></start>
A Zoom Display	<start y=""></start>
Always display screen area	
Load from files Save on files Save to screen Exit	

4. Press the <Save to screen> Button. The settings are now saved to the video wall



A red box will show around the perimeter of each display. If this box is not showing correctly, then you may need to readdress the video wall.

One of the displays may remain in the top, left corner of the screen. This is a Start X and Y of 0, 0.

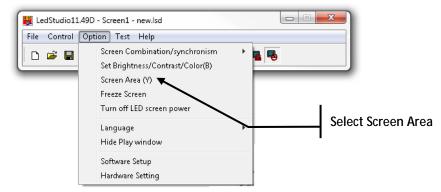
You may also use the "nudge" controls to virtually move the displays by single digits.



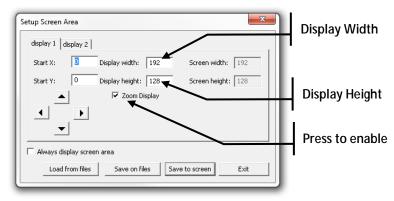
Zoom Display Th

The Zoom Display function becomes useful in making the video flow between multiple types of panels, with different pixel pitches. It prevents the video from "jumping" when passing between the different sections.

1. Select Option > Screen Area



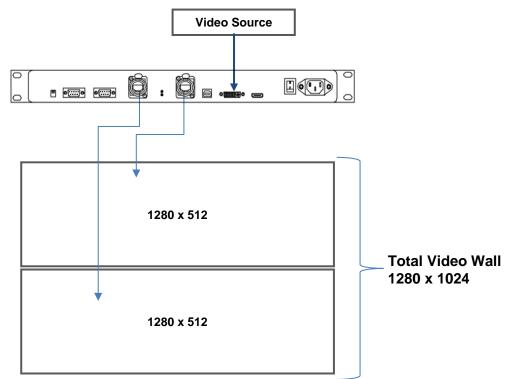
- 2. Select the display you wish to move
- 3. Assign the positioning by following the steps in the Screen Area section
- 4. Click the **<Zoom Display>** check box to enable the function
- 5. Increase or decrease the values of the display width and/or height



6. Press the **<Save to screen>** button. The settings are now saved to the video wall

Achieving the Maximum Resolution with the VIP[™] Driver The maximum resolution of the VIPTM Driver is 1280 x 1024. This is only possible by combining a certain hardware setup and specific software settings.

1. Connect the video wall in the following configuration



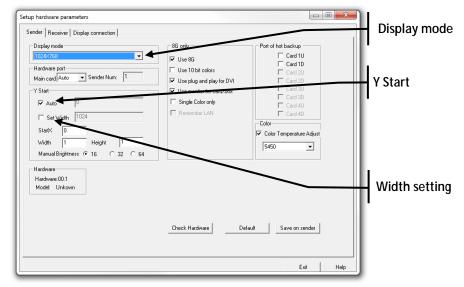
The total capacity of each signal output, whether it is U or D, is 1280 x 512. In order to achieve the full 1280 x 1024, you must use both of the outputs from the VIPTM Driver.

2. The addressing in LED Studio must match this. The sample below illustrates how this will work with panels of 96 x 96 each

	leceiver Display conne				_								
de:		Normal		-	Use Aut								
and y 1		or single or multi regulati	on led-screen.	Display QTY: 1	Update ds	play Q1Y							
		Horizontal card 13											
Ga	ma 2.8 . [Virtual display Red brid	phtness 255 Green br	ightness 255 Elue br	ightness 255								
	1	2	3	4	5	6	7	8	9	10	11	12	13
		Network cable No.1U1 order No. 2	Network cable No.1U1 order No. 3	Network cable No.1U1 order No. 4	Network cable No.1U1 order No. 5	Network cable No.1UI order No. 6	Network cable No.1U1 order No. 7	Network cable No. 1U1 order No. 8	Network cable No.1UI order No. 9	Network cable No.101 order No. 10	Network cable No.1U1 order No. 11	Network cable No.1UI order No. 12	Network cable No.1UI order No. 13
1		width:96	width:96	width:96	width:96	width:96	width:96	erger no. 8 width:95	width:96	width:95	width:96	width:96	width:96
		height:96	height:95	height:96	height:96	height:96	height:96	height:96	height:96	height:96	height:96	height:96	height:96
	Network cable No.1U1 order No. 26	Network cable No.1U1 order No. 25	Network cable No.1U1 order No. 24	Network cable No.1U1 order No. 23	Network cable No.1U1 order No. 22	Network cable No.1UI order No. 21	Network cable No.1U1 order No. 20	Network cable No. 1U1 order No. 19	Network cable No.1U1 order No. 18	Network cable No.1U1 order No. 17	Network cable No.1U1 order No. 16	Network cable No.1U1 order No. 15	Network cable No.1UI order No. 14
2	width:96	width:96	width:96	width:96	width:96	width:96	width:95	width:96	width:96	width:95	width:96	width:96	with:96
	height:96	height:96	height:96	height:96	height:96	height:96							
	Network cable No.1U2 order No. 1	Network cable No.1U2 order No. 2	Network cable No.1U2 order No. 3		Network cable No.1U2 order No. 5	Network cable No.1U2 order No. 6	Network cable No.1U2 order No. 7	Network cable No. 1U2 order No. 8	Network cable No.1U2 order No. 9	Network cable No.1U2 order No. 10	Network cable No.1U2 order No. 11	Network cable No.1U2 order No. 12	Network cable No. 102 order No. 13
3	width:96	width:96	width:96	width:96	width:96	with:96	width:96	width:96	width: 96	width:96	width:96	width:96	width:96
	height:96 Network cable No.1U2	height:96 Network cable No.1U2	height:95 Network cable No.1U2	height:96 Network.cable No.1U2	height:96 Network cable No.1U2	height:96 Network cable No.1U2	height:96 Network cable No.102	height:96 Network cable No. 1U2	height:96 Network cable No.1U2	height:96 Network.cable No.1U2	height:96 Network cable No.1U2	height:96 Network cable No.1U2	height:96 Network cable No. 1U2
	order No. 26	order No. 25	order No. 24	order No. 23	order No. 22	order No. 21	order No. 20	order No. 19	order No. 18	order No. 17	order No. 16	order No. 15	order No. 14
11	width:96 heisht:96	width:96 heicht:96	width:96 heicht:95	width:96 height:96	width:96 heistit:96	width:96 height:96	width:96 height:95	width:96 height:96	width:96 height:96	width:96 height:96	width:96 height:96	width:96 height:96	width:96 height:96
	Network cable No.1U3	Network cable No.1U3	Network cable No.1U3	Network cable No.1U3				Network cable No. 1U3		Network cable No.103		Network cable No.1U3	Network cable No. 1U3
-	order No. 1	order No. 2	order No. 3	order No. 4	order No. 5	order No. 6	order No. 7	order No. 8	order No. 9	order No. 10	order No. 11	order No. 12	order No. 13
	width:96 heisht:96	width:96 height:96	width:96 height:95	width:96 height:96	width:96 height:96	width:96 height:96	width:96 height:96	width:96 height:96	width:96 height:96	width:96 height:96	width:96 height:96	width:96 height:96	width:96 height:96
		Network cable No.1D1	Network cable No.1D1										Network cable No.1D1
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	width:96 height:96	width:96 height:96	width:96 heicht:95	width:96 height:96	width:96 heisht:96	width:96 height:96	width:95 height:95	width:96 height:96	width:96 height:96	width:96 height:96	width:96 height:96	width:96 height:96	width:96 height:96
			Network cable No.1D1							Network cable No. 1D1		Network cable No.1D1	Network cable No. 1D1
	order No. 26 width:96	order No. 25 width:96	order No. 24 width:96	order No. 23 width:96	order No. 22 width:96	order No. 21 width:96	order No. 20 width:95	order No. 19 width:96	order No. 18 width:96	order No. 17 width:95	order No. 16 width:96	order No. 15 width:96	order No. 14 width:96
	woth:96 height:96	height:96	height:96	height:96	weth:96 height:96	height:96	height:96	height:96	height:96	height:96	height:96	width:96 height:96	height:96
	Network cable No.1D1	Network cable No. 1D1	Network cable No. 1D1	Network cable No.1D1									
8	order No. 1 width:96	order No. 2 width:96	order No. 3 width:96		order No. 5 width:96	order No. 6 width:96	order No. 7 width:95	order No. 8 width:96	order No. 9 witth:96	order No. 10 width:96	order No. 11 width:96	order No. 12 width:95	order No. 13 width:96
	height:96	height:96	height:96	height:96	height:96	height:96							
		Network cable No.1D1	Network cable No.1D1						Network cable No.1D1			Network cable No.1D1	Network cable No.1D1
9	order No. 26 width:96	order No. 25 width:96	order No. 24 width:96	order No. 23 width:96	order No. 22 width:96	order No. 21 with:96	order No. 20 width:95	order No. 19 width:96	order No. 18 with:96	order No. 17 width:96	order No. 16 width:96	order No. 15 width:96	order No. 14 witth:96
	height:96	height:96	height:96	height:96	height:96	height:96							
	Network cable No.1D1 order No. 1	Network cable No.1D1 order No. 2	Network cable No.1D1 order No. 3		Network cable No.1D1 order No. 5	Network cable No.1D1 order No. 6	Network cable No.1D1 order No. 7	Network cable No. 1D1 order No. 8	Network cable No.1D1 order No. 9	Network cable No.1D1 order No. 10	Network cable No.1D1 order No. 11	Network cable No.1D1 order No. 12	Network cable No.1D1 order No. 13
0	width:96	width:96	width:96	width:96	width:96	width:96	width:95	width:96	width:96	width:95	width:96	width:96	width:96
	height:96	height:96	height:96	height:96	height:96	height:96							
	1 No. sender U cat 🕶		Order No. 1	width 96 Heigh	96 4	Whomety							
				Widthi ~ Heigh									
righ	tness:Red: 255 G	Green: 255 Blue:	255 Load Data		Screen area color	correction							
	for Card Save Card	for maintain Load I	ton file Save to	Send to receiv	Save to receive	- 1							



- 3. Modify the Width setting to 1280 by clicking the **<Set Width>** check box
- 4. Set the **<Display mode>** drop down menu to 1280 x 1024 or higher





Depending on the video input aspect ratio, the Y Start value may need to be adjusted to compensate.

Scaling

To run video from a DVD video player directly into the VIP[™] Driver without using any special software or scaling equipment, scale the video input directly from the VIP[™] Driver with LED studio. The video input resolution and the total width/height of the video wall are required numbers for scaling.



In this example, the video input resolution is 1024 x 768, and the video wall is 480 x 288. Scaling only works with a single Standard Block Layout.

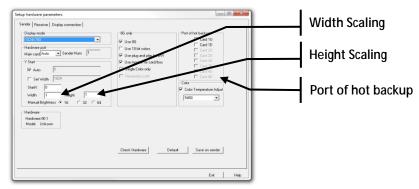
= Scaling Ratio

- 1. Set the <Display mode> drop down menu to 1024 x 768
- 2. Determine the scaling ratios:

Quantity of LEDs

Video Resolution

- 3. Input 0.468 into the width scaling text field (e.g., 480/1024=0.468)
- 4. Input 0.375 into the height scaling text field (e.g., 288/768=0.375)
- 5. Select the **<Port of hot backup>** check box(s)
- 6. Press <Save on sender>





6. Technical Information

Returns

Once an RMA Number is received, send the product prepaid, in the original box, and with the original packing and accessories. Chauvet will not issue call tags.

Call Chauvet and request a Return Merchandise Authorization (RMA) number before shipping the product. Be prepared to provide the model number, serial number, and a brief description of the cause(s) for the return.

Clearly label the package with an RMA number. Chauvet will refuse any product returned without an RMA number.



DO NOT write the RMA number directly on the box. Instead, write it on a properly affixed label.

Once you have received the RMA number, include the following information on a piece of paper inside the box:

- Your name
- Your address
- Your phone number
- The RMA number
 - A brief description of the problem(s)

Be sure to pack the product properly. Any shipping damage resulting from inadequate packaging will be the customer's responsibility. FedEx packing or double-boxing are recommended.



Chauvet reserves the right to use its own discretion to repair or replace returned product(s).

Technical Specifications						
Maximum resolution (single output)	1280 x 512					
Maximum resolution (single driver)	1280 x 1024					
Maximum quantity of drivers	4					
Required computer system	Windows PC; XP or newer; 32-bit or 64-bit Pentium 4 processor or better					
Recommended computer system	Windows 7 (32-bit or 64-bit); 4GB RAM, Intel i3 processor or better or AMD equivalent, Dedicated graphics card with 1GB memory or better					



Contact Us

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Outside the U.S., United Kingdom, Ireland, Mexico, or Benelux contact the dealer of record. Follow their instructions to request support or to return a product. Visit our website for contact details.