

Lynx 360 (single) LED Video Display QSG Electrical Setup

Verify that your Lynx 360 system contains the components pictured below. If not, or if you need additional help, please call: USA 978-556-9780 or email <u>support@finishlynx.com</u>.

Items Needed

LED Sending Box (1)	Power Jumper Cables (3) (Blue and White)	\bigcirc
LED Sending Box Power Cable (1)	Power Input Cable (1)	
USB Cable (1) (For programming use only)	Long Signal Input (1) (100' (33 meter) Ethernet Cable with Weatherproof XLR-RJ45 connector)	
Short Signal Jumper Cables (3) (Black Ethernet RJ45)	50ft Long HDMI Cable	
DVI-to-HDMI Adaptor	Weatherproof box	

Step 1: Connect Display Electronics

Once the Display is assembled (see Lynx <u>360</u> Assembly Video on YouTube), the next step is to connect the electronics of the display.

- a. Plug in the **Power Jumper Cables & Short Signal Jumper Cables** between panels 1 2, 2 3, 3 4. Do not use the ports with a blue sticker.
- b. Plug the **Power Input Cable** into the power source and into blue connector on Panel 1 (blue sticker).

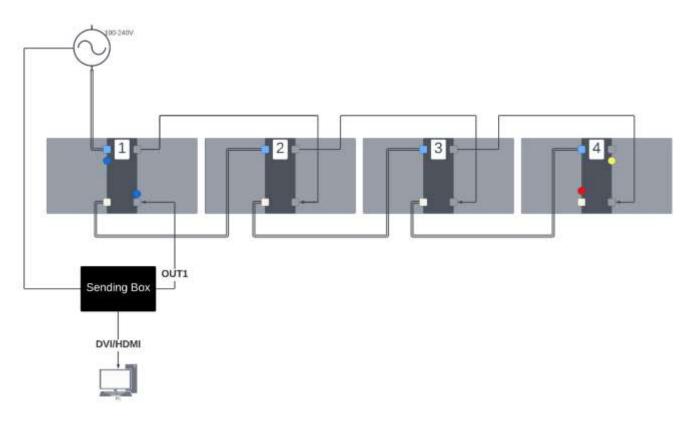
Note: When viewing the display from the back side, the panels should be set up in ascending order from 1-4 (see image below). The connection to the **LED Sending Box** and power is from **Panel 1**.

- c. Insert the Power Cable into the LED Sending Box.
- d. Connect the Long Signal Input Cable into Panel 1 bottom Signal Input Connector (blue sticker).
- e. Connect the Long Signal Input Cable into the LED Sending Box display OUT1.
- f. Insert the **HDMI Cable** into the computer's HDMI port and insert the opposite end into the LED Sending Box with the DVI-to-HDMI connector.

All power cables require that you insert, twist and click the connector to secure it.

The image below shows the back of the display with the panels wired correctly. Panel 1 has the Power Input and Signal Input (blue stickers).

NOTE – The yellow and red stickers indicate the **open** signal and power ports, respectively.



Optional: Adjusting the Brightness of the LED Panels

- a. Once you have connected the LED panels using the steps above and powered them on, you can proceed with adjusting the brightness of the panels if needed. This may be the case when using them under extreme dark (at night) or bright conditions (direct sunlight). You will need to use the USB Out port on the LED Sending Box to adjust the brightness. Insert the square end into the LED Sending Box and place the USB end into your computer. This cable is only needed when you are actively changing the brightness. It is not needed when operating the display.
 - a. **NOTE** Max power draw for the 360-Single display is about 15 amps.
- b. Install the NovaLCT program from the Lynx USB Drive.
- c. Run NovaLCT and click on the Brightness icon.

S NovaLCT V5.4.4.6	—		×		
System(S) Settings (C) Tools(T) Plug-in (P) User(U) Language(L) Help(H)					
Cloud Monitoring Brightness Screen Control Monitoring Multi-function Card Test Tool					
Control System 1 Other Device 0 <u>View Details of Device</u>					
Service Status: Service version:3.1.1					

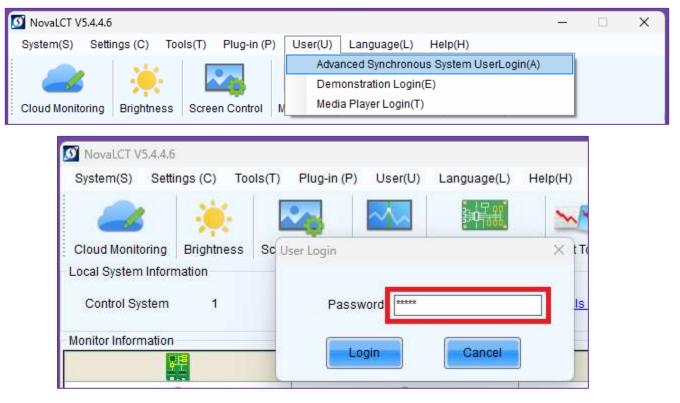
d. Using the **slider** or **text box** (max value: 255), adjust the brightness level as desired. The display will change brightness when you release the slider or enter a new value. Click "**Save to HW**" to save the new brightness value to the panels. You can now close the NovaLCT program and remove the USB cable.

Brightness Adjustmen COM5-Screen1	È :		×
Brightness Brightness	 Manual Adjustment 	 Auto Adjustment 193 (75.7⁴) 	%)
	(Grayscale	Contrast	
	Advar	nced Settings	
		Refresh Save to HW	/
			×

Optional: Re-programing the LED Panels

***You will only need to re-program your LED display if it <u>WASN'T</u> pre-programmed at Lynx System Developers or if the panels are set up in a different order.

- e. Once you have connected the LED panels using the steps above, you can proceed with the re-programing process if the panels are not pre-configured. You will need to use the USB Out port on the LED Sending Box to program the panels. Insert the square end into the LED Sending Box and place the USB end into your computer. This cable is only needed when you are programming the display. It is not needed when operating the display.
- f. Install the NovaLCT program from the Lynx USB Drive.
- g. Run NovaLCT and navigate to User | Advanced Synchronous System User Login. Login by inputting the password admin.





h. Select the Screen Configuration icon. Confirm the Serial Communication Port and click Next.

S NovaLCT V5.4.4.6						
System(S) Settin	Screen Configuration	×				
	- Select Communication	Port				
Cloud Monitoring	Current Operatio	COM5 ~				
-Local System Inform						
Control System	Configure Screen					
- Monitor Information -	Cloud Restore	Europe ~				
	Local Restore	Browse				
-		Next Close				
-		Next Close				

i. Under the **Sending Card** tab, confirm the proper **Resolution** is selected under **Source Configuration**. If you change this setting, click **Save**. This setting refers to the resolution that your laptop is set to.

Screen Configuration-COM5 – 🗆 🗙							
Sending Card Receiving Card Screen Connection							
Current Display Mode Current Display Mode Sending Card 1920 x 1080(1080P) Graphics Output R 1920 x 1080							
Source Configuration Resolution: Refresh Rate T Bother Custom Hz Set							
Hot Backup Verification							
Redundancy Set the Current Devi Set as Primary Set as Backup	Set						
Primary Backu	ıp						
Serial Number of Primary Sending Card Serial Number of Primary Port Card Serial Number of Primary Port Card	Serial Number of Backup Port						
Refresh Send Add	Edit Delete						
Restore Factor Save System	n Co Save Close						

j. At the top of the window, select the **Receiving Card** tab. Click the **Load from File** button (1) and select the **"360 receiving card.rcfgx**" file from the Lynx USB Drive. Click the **Send to Receiving Card** button (2). Click the **Save** button (3).

	<i>'</i>								
Screen Config	uration-COM5							- (
Sending Card	Receiving Card Screen	Connection							
-Module Infor	rmation								
Chip:	ICN2053	Size:	16W×8F	1	Sca	inning Type	1/8 scan		
Direction:	Horizontal	Data Groups	1		<u>Adjı</u>	ust RG			
Cabinet Info	rmation								
								<u>Set</u>	Rotation
Regular				Irregular					
Width (F	Pixel) 1	<=256		Width:	160	Height:	80		
Height (P Open								×
Module									
	$+ \rightarrow - 1$	Des >	360 c	~	С	Search 360	configs LED	م	
Performance	Organize 💌 N	lew folder					□ -		2
Data Gr	01						-		
Refresh F	Ri Arme								
DCLK Fre	ec > 📥 OneDrive								
Data Pha	s	_							
GCLK Fre	 Desktop		eceiving						
GCLK Ph			d.rcfgx						
Line Cha	🚽 Downloads	*							
		•							
		File name: 360 r	eceiving c	ard.rcfgx	~	Receiving	Card Configu	ration F 🔻	
Brightnes	s					Open		Cancel	
Smart Settin	ngs	1 Load from	n File Re	ceiving Car	Save	e to File	ad from Re.	Sendt	o Recei
Current Re	Current Receiving A5SPlus_V4.8.1.0 Firmware versio A5SPlus 3						e Facto		
				xport Screen N	Save	e System Co.	Save		Close

k. At the top of the window, select the Screen Connection tab. Click the Load from File button (1) and doubleclick on the "360-single map.scr" file from the Lynx USB Drive. Click the Send to HW button (2). Click the Save button (3).

Screen Configuration-COM5		– – ×
Sending Card Receiving Card Screen Conn	ection	Quantity o 1 Configur
Screen Type: O Standard	Basic Information	C Enabl Screen Ar 1920 x 1080
Ethernet Port No.	Open \leftarrow → ∨ ↑ → Des → 360 c ∨ \bigcirc Sear	rch 360 configs LED
Receiving Card Size Width: 160 🗭 Apply to Height: 80 👽 Apply to Set Blank Apply to the c	Organize New folder	
Quick Connection	 Desktop	
의미리		open Cancel
Detect Communic Read the Numbe	r Enable Mapping Load fr	ick or drag the left mouse button t 2 om File Save to File Read from HW Send to HW t Screen M Save System Co. Save Close

The panels are now configured correctly. If you have not already, connect the HDMI cable from your computer to the sending unit. You should see the top-left corner of your computer screen on the display. You are ready to use the display with ResulTV.

If your display is not displaying in the correct order, double check that your connection sequence follows the order and direction shown in the image on page 2. If you need to make a change to the connections, repeat step g.

This concludes the Lynx 360 Display (single) – Electrical Connections QSG. Please contact technical support with any questions: support@finishlynx.com