

NVIDIA 8800<sup>™</sup> Preview Setup Procedure for use with Lyric's *Clone Canvas Window* Function



HyperX2 graphics cards can deliver a duplicate of the Lyric Canvas to an analog TV monitor for preview use. This signal is derived from the picture displayed on your system's VGA or digital PC monitor, so changes to the video card driver's settings are required.

This document supersedes the "Graphics Card Preview Output" configuration procedure for earlier graphics cards. Setting up the Clone Canvas Window function involves configuration of your system's graphics card driver and a new Preferences option in Lyric. The driver configuration described here is based on setup of an EVGA Corp. e-GeForce 8800 GTS card, which is the video card supplied with HyperX2 systems at the time of this writing.

Remember that this entire function and its settings are completely independent of the Air/Production outputs from the Chyron system's eFX, CODI or PCI Squeezeback boards. The sole purpose here is creating an extra output for monitoring the activity on the Lyric Canvas currently selected for editing.

- 1. Turn off your Chyron system.
- 2. Connect an **analog TV monitor**, NTSC or PAL, to the S-video-type connector on your system's video card. Use the supplied RGB-type cable pictured below.



Select **one** of these RCA-type plugs for connection to the TV monitor. Use the RCA-to-BNC adapter for attachment to an appropriate coax cable. Any of the three RCA-type plugs may be used for this purpose, but Chyron suggests settling on one of them in situations where multiple systems are using this type of setup.

3. After connection is complete, restart your system. The new connection is detected and the graphics card automatically outputs **composite video**. However, new settings are necessary in your graphics card's NVIDIA control panel.

4. Access the NVIDIA Control Panel through Windows Control Panel or by right-clicking the desktop.



5. The graphics card's default output at the S-video connector is NTSC. To use a PAL monitor, first select "Change the signal or HD format" under "Video & Television", as seen in the following illustration. Again, the connection of the TV monitor will have been detected by this point.

NVIDIA Control Panel			
File Edit View Help			
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Select a Task	Change the	Gianal ar UD	Form
			FUIII
- Display			
Run display optimization wizard Move CRT screen position Change resolution	1. Select the television you	ı would like to change.	
Adjust desktop color settings Rotate display Manage custom resolutions Run multiple display wizard Set up multiple displays	ТУ		
🖻 Video & Television			
Adjust video color settings Run television setup wizard Change the signal or HD format	2. Select the connector you	u would like to use.	
Adjust television color settings	Composite - NTSC or PA	AL standard definition television	-
Adjust screen size and position	3. Select the signal format	you would like to use.	
	Country/Region	Signal Format	
	Ethiopia	B/PAL	
	Finland	G/PAL	
	Finland	B/PAL	
	France		
	Cormonu (Endoral Donubli		-

6. In the Task pane on the left, select **Set Up Multiple Displays**. Note that a sample monitor is identified here. Your graphics card should already be configured for, and "aware of" your VGA or digital PC monitor.

Up Multiple Displays Restore Default
View technology allows you to specify how you would like to use your multiple displays. Clone is great for presentations and s perfect for a larger desktop.
Wiew display mode to use.         une display (Single)         on both displays (Clone)         ge vertical desktop (Vertical span)         ge vertical desktop (Vertical span)         di independently from each other (Dualview)         splays you would like to use.         1990 + TV         Image: Splay to take advantage of multiple displays to increase the size of your desktop. Span requires that both es ame resolution and color depth and is slightly faster than Dualview. When running span, Windows sees me large display.         rice:       tup side-by-side your displays to act as one large horizontal single display
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- 7. In this part of the process, **first be sure to select** "As one large horizontal desktop (Horizontal span)". Click **Apply**. The item you'll select in the next step may not appear until you take this action.
- 8. Next, select "Configured independently from each other (Dualview)". Click **Apply**. An extension of your system's desktop will appear on the TV monitor. It may be empty, displaying only the color of your desktop. You may wish to verify that you've effectively created a larger desktop by dragging a desktop item onto the area shown in the TV monitor.



## NOTES

At some point during Steps 7 & 8, the display settings for your VGA or digital PC monitor may change. You may have to adjust the "Change Resolution" options under "Display" in the Task pane to restore them.

- 9. Return to the NVIDIA Control Panel's View menu and select Advanced Settings.
- 10. In the **3D Settings** area, the **Manage 3D Settings** option will become available. Click it and the Manage 3D Settings main menu appears in the right-hand pane.
- 11. Choose the **Global Settings** tab. Among the features listed, the **Multi-display/mixed-GPU Acceleration** selection **will only appear** if you have the system set for multiple display operation as described in the previous steps.



- 12. **IMPORTANT:** Choose **Single Display Performance Mode**. Once you've selected a new change to the NVIDIA settings, Apply and Cancel buttons will appear in the lower right corner of the window.
- 13. Choose Apply.
- 14. Close the NVIDIA Control Panel.

15. On the Windows Desktop, right-click and select Properties.



16. In the Display Properties menu, select Settings.

piay Propercies	<u></u>
Themes Desktop Screen Saver /	Appearance Settings
Drag the monitor icons to match the p	physical arrangement of your monitors.
1	2
2. Default Monitor on NVIDIA GeFor	ce 8800 GTS
Display: 2. Default Monitor on NVIDIA GeFor Screen resolution	ce 8800 GTS
2. Default Monitor on NVIDIA GeFor Screen resolution Less , 1024 by 768 pixels	ce 8800 GTS
Display:     2. Default Monitor on NVIDIA GeFor     Screen resolution     Less More     1024 by 768 pixels     Use this device as the primary mo     Extend my Windows desktop ont     Identify	ce 8800 GTS

- 17. Click the rectangular icon for monitor #2, representing the connected analog TV monitor.
- 18. Make sure that the checkbox **Use this device as the primary monitor** is NOT SELECTED. Make sure that the **Extend my Windows desktop onto this monitor** checkbox IS SELECTED.
- 19. Start Lyric.
- 20. Under the Config menu, select Preferences.
- 21. In the Preferences menu, select the Windows tab.
- 22. On the Windows tab, select the Clone Canvas Window checkbox and click OK.

Preferences	×
CG Preferences Spelling Default Paths Animation Set Basic Windows Scene Tree Properties Scene Graph Keyframe Graph Timeline Playlist Macros Clip Control Browser	tings Browser Alignment Windows Canvas Display All Frame Buffers Lock Canvas Size and Position Lock Viewport Sizes Clone Canvas Window Numeric Entry Enable Numeric Keypad Status Bar Info Default Update During Playback
	OK Help

The Canvas portion (only) of the Lyric interface appears on the TV monitor.

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