

NVIDIA 8800[™] 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.

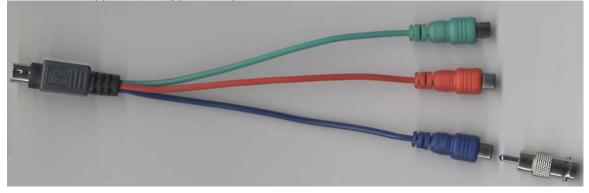
This document supersedes the "Graphics Card Preview Output" configuration procedure for earlier graphics cards. Setting up the Clone Canvas Window function involves configuration of your system's graphics card driver and a new Preferences option in Lyric. The driver configuration described here is based 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.

Note

If your graphics card does not recognize your system's SVGA monitor, the NIVIDA driver's menus may identify it only as "Analog Display". This will not affect the setup process described herein.

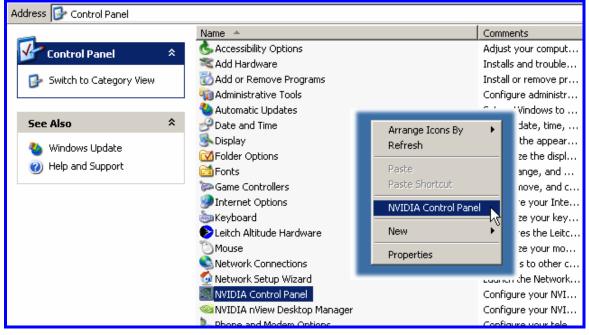
- 1. Turn off your Chyron system.
- 2. Connect an **analog TV monitor**, NTSC or PAL, to the S-video-type connector on your system's video card. Use the supplied RGB-type cable pictured below.



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** at the S-video connector. 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.



Having detected a new, additional monitor the graphics card's driver initially opens the **Set Up Multiple Display** menu:

🐏 N¥IDIA Control Panel				
File Edit View Profiles Display Help				
Standard Settings -				
Select a Task G-3D Settings Adjust image settings with preview	Set Up Multiple Displays Restore Defaults			
Monitor temperature levels ⊡-Display Run display optimization wizard	NVIDIA nView technology allows you to specify how you would like to use your multiple displays. Clone is great for presentations and Dualview is perfect for a larger desktop.			
 Move CRT screen position Change resolution Adjust desktop color settings Rotate display Run multiple display wizard Set up multiple displays Video & Television Adjust video color settings Run television setup wizard 	 Inclusion on the Network display (single) As one large horizontal desktop (Horizontal span) As one large vertical desktop (Vertical span) Configured Independently from each other (Dualview) Configured Independently from each other (Dualview) Conclusion of the Network of Netwo			
System Information	Apply Cancel			

If necessary, *select* **Set up multiple displays** in the Task panel at left. However, this should not be necessary. Note that use of the **Run multiple display wizard** option is NOT appropriate here.

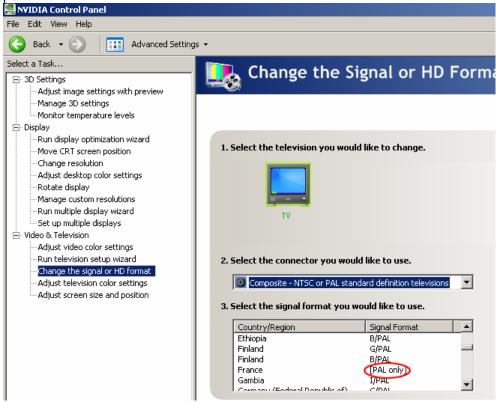
- 5. In this part of the process, FIRST select **As one large horizontal desktop (Horizontal span)**. Click **Apply**. The item you'll select in the next step may not appear until you take this action.
- 6. Next, select **Configured independently from each other (Dualview)**. Click **Apply**. An extension 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.

	1. Choose the nView display mode to use.	
🗆 color settings	C Only use one display (Single)	
uplay	C The same on both displays (Clone)	
litiple display wizard	C As one large horizontal desktop (Horizontal span)	
multiple displays	C As one large vertical desktop (Vertical span)	De
elevision Video color settings	Configured independently from each other (Dualview)	2
ision setup wizard	2. Select the displays you would like to use.	
	Dell M990 + TV	?) Mu d ^e n

NOTES

At some point in the procedure thus far, 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.

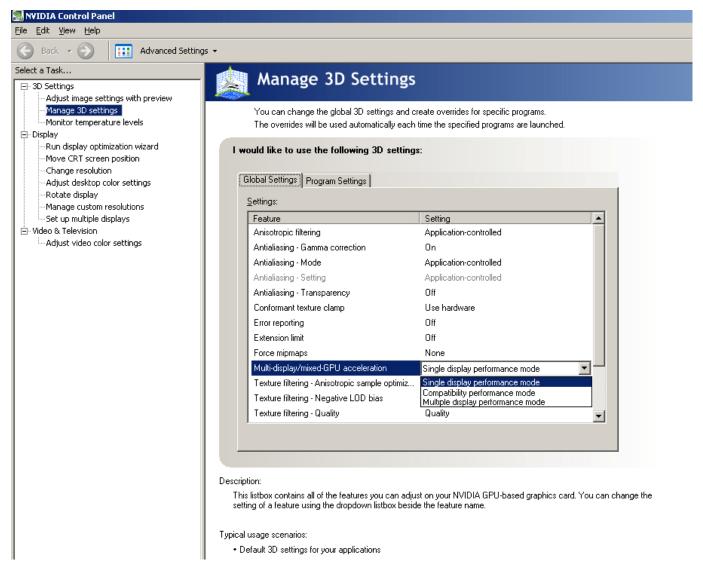
- 7. Return to the NVIDIA Control Panel's View menu and select Advanced Settings.
- NOTE THAT THE GRAPHICS CARD'S DEFAULT OUTPUT AT THE S-VIDEO CONNECTOR IS NTSC. To use a PAL monitor, select Change the signal or HD format under Video & Television, as seen in the following illustration. Again, remember that the connection of the TV monitor will have been detected by this point.



9. Click Apply to commit to any necessary changes.

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- 10. In the **3D Settings** area, locate the **Manage 3D Settings** option. 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.

Display Properties	<u>? ×</u>			
Themes Desktop Screen Saver A	Appearance Settings			
Drag the monitor icons to match the physical arrangement of your monitors.				
12				
Display:				
2. Default Monitor on NVIDIA GeFore	ce 8800 GTS			
Screen resolution	Color quality			
Less More	Highest (32 bit)			
1024 by 768 pixels				
 Use this device as the primary monitor. Extend my Windows desktop onto this monitor. 				
Identify	Troubleshoot Advanced			
OK Cancel Apply				

- 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 Setti Basic Windows Scene Tree Properties Scene Graph Keyframe Graph Timeline Playlist Macros Clip Control Browser	ings 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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