

# Lyric Mode Configuration Guide

V 4.9



### CONTENTS

Introduction	3
requirements	3
installation	3
PRIME	3
LyricX	3
Configuration	3
PRIME	3
LyricX	7
Restrictions	10



#### INTRODUCTION

Lyric Mode allows a LyricX Output Channel to be routed to a single PRIME Output Channel. In this mode it is expected that LyricX is either to be automated or is to be displayed on a second monitor.

#### REQUIREMENTS

LyricX 4.6 or later PRIME 3.6 or later MX or HX system

#### **INSTALLATION** Lyric Mode requires a side by side installation of LyricX 4.6 and Prime 3.6.

# PRIME

Do a Full Installation

#### LyricX Do not install LyricX IO, as these components will be installed by GS2.

#### CONFIGURATION

#### PRIME

Prime must be configured first. Add an NDI or SDI channel

- The Channel Type must be Video + Key Out
- The Output Channel must not have a Preview Channel linked, as the Output Channel is reserved to receive video from LyricX, there is no PRIME Preview to display.



🌃 Playout Configuration		
	Video Channels 💽 Add	Output 🔻 🔼 Add Input 👻 🏐 Import 🔚 Export 🛛 🥝
Video Channels	Channel	🗹 Output 1 🛛 🗱
Clip Players Clip Recorders	Device	Matrox SDI 🗸
Playlists	Туре	Video + Key Out
External Data	Connector	Video BNC 2 - Key BNC 4 -
Settings	Name	Output 1
	Video Standard	1080i 59.94 Hz 🔻
	Video Shape	Shaped
	Downstream Input	None
	Audio Mode	Embedded 🔻
	Audio Channels	2 🗸
	Genlock Source	Genlock Input 👻
	Genlock Timing (H/V)	
	Antialiasing	Disabled 👻
	Preview Channel	
	Proxy Output	1/4 Resolution   H264
	Matrox Firmware Curr	ent   2 In / 2 Out
		OK Cancel Apply



Under the Settings tab, all Output Channels which can receive video from LyricX will be listed by name under LyricX Connection.

5

n Playout Configuration	
<ul> <li>Video Channels</li> <li>Clip Players</li> <li>Clip Recorders</li> <li>Playlists</li> <li>External Data</li> <li>Settings</li> </ul>	Text   Font Engine   DirectWrite   Use DirectWrite for complex scripting   Media Cache   System Memory   16325   MB   Cache Size   13059   MB   Cache Percent   80   Preload   Preload Size   256   MB   Preload HD Frames   32   Video Input Disconnect Hold Frames Indefinite    LyricX Connection   Output Channel   Output 1
	OK Cancel Apply



#### PRIME Lyric Mode Configuration Guide

C			
C			

🐻 Playout Configuration					
	Video Channels 💽 Add Output 🔻 🛄 Add Input 👻 🔄 Import 📊 Export				
📰 Video Channels	Channel	📝 Output 1 🛛 🗱	🗹 Output 2 🗱		
Clip Players					
🐞 Clip Recorders	Device	Matrox SDI 👻	NDI		
🝺 Playlists	Туре	Video + Key Out 🔹 8 Bit	Video Out 🔹 8 Bit		
👰 External Data	Connector	Video BNC 2 - Key BNC 4 -	Source NDI Output 1		
🧬 Settings	Name	Output 1	Output 2		
	Name				
	Video Standard	1080i 59.94 Hz 🗸	1080i 59.94 Hz 👻		
	Video Shape	Shaped 🔻	Unshaped 👻		
	Downstream Input	None	None		
	Audio Mode	Embedded 🗸	Embedded 🗸		
	Audio Channels	2	2 🗸		
	Genlock Source	Genlock Input 👻			
	Genlock Timing (H/V)	0 • 0			
	Antialiasing	Disabled 👻	Disabled 👻		
	Preview Channel	▼	No Preview 🔻		
	Proxy Output	1/4 Resolution   H264	1/4 Resolution   H264		
	Matrox Firmware Curre	ent 2 In / 2 Out	.::		
			OK Cancel Apply		

Once the Configuration is applied, restart Prime to initialize GS2 with a connection available to LyricX.

• If LyricX was already started prior to PRIME being configured in this way, the following warning will be presented

"Prime has been configured to receive graphics rendered by LyricX. LyricX must be started after Prime to process any configuration changes. LyricX will be quit before proceeding."



C	PRIME GRAPHICS PLATFORM
	LyricX Restart Required
	Prime has been configured to receive graphics rendered by LyricX. LyricX must be started after Prime to process any configuration changes. LyricX will be quit before proceeding.
<b>Prime F</b> GStudic Starting	OK Cancel
O CH	IVRONHEGO'

On hitting OK, LyricX will be closed.

#### LyricX

If LyricX and PRIME are both installed, but Prime Mode has not been configured, LyricX will run normally as if standalone.

- SDI Input and Output, and NDI Output will be supported as normal in LyricX standalone.
- The following information will be provided in the console window

"Prime Output Connection has been disabled. Please configure from within Prime, and restart LyricX to enable."

• PRIME will be removed as an Output Device option in the Input and Output Configuration Dialog.



Console	
11:54:09 > LyricX was run as administrator 11:54:09 > Automation Connection "Lyric II COM1" created for II 11:54:09 > Automation Connection "Lyric II COM2" created for II 11:54:09 > Automation Connection "Lyric II Telnet" created for II 11:54:15 > Prime Output Connection has been disabled. Please configure from within Prime, and restart LyricX to enable. 11:54:16 > Board Configuration Complete	

If PRIME Mode has been configured, LyricX will disable all SDI and NDI devices in the system.

• The following information will be provided to the user in the console window

## "(DeviceNames) Output Devices have been disabled. Prime Output Connection has been enabled instead."

• SDI and NDI devices will be unloaded from the list of devices available in the Input and Output Configuration Dialog.

Console
<pre>11:43:28 &gt; LyricX was run as administrator 11:43:29 &gt; Automation Connection "Lyric II COM1" created for II 11:43:29 &gt; Automation Connection "Lyric II COM2" created for II 11:43:29 &gt; Automation Connection "Lyric II Telnet" created for II 11:43:35 &gt; DSXLE4/4/100/84, NDI, and DeckLink SDI Output Devices have been disabled. 11:43:35 &gt; Prime Output Connection has been enabled instead. 11:43:35 &gt; Configuring FB1 (Remote Engine (0) Board 1) 11:43:36 &gt; Board Configuration Complete</pre>



Configure Input and Output I	Devices		<b>—</b>
Output Configuration Input Configuration	Add Output - Output Device Video Standard Output Type Connector Label Audio Format Genlock Source Genlock Timing Preview Channel	Output 1 Prime 1080i / 59.94 Fill+Key Video: Output 1 2 Channels (Stereo) Internal No Preview	
Display Matrix Prime Virtual Output	4 Out 1 Out 4 Out		Apply Close

At this point, LyricX can load and play graphics as usual.



Once played to output, the graphics from LyricX are presented in the Prime Output preview.



#### PRIME Lyric Mode Configuration Guide

10



#### RESTRICTIONS

- Only a single Output Channel of LyricX is supported.
- The PRIME Output Channel is reserved to receive video from LyricX. PRIME scenes cannot be played to this channel. Other channels can play PRIME scenes, as under normal operation
  - Downstream Input and Antialiasing Settings are ignored.
  - Embedded / AES Audio Routing and Genlock Configuration are as normal.
- LyricX does not receive video from Input Channels configured from within PRIME.
- Preview Channels cannot receive video from LyricX.