



# Lyric<sup>®</sup> 7.1 RU1/Lyric<sup>®</sup> PRO 7.1 RU1 Read Me First

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## Introduction

Lyric 7.1 and Lyric PRO 7.1 series software requires the installation of software components based upon a variety of factors, including whether the system is new, existing, i.e., already installed in a facility, or is off line. Hardware components are also considered.

- All software components and documentation, except where noted, are available from the Installers and Resources page on the Lyric 7.1 RU1/Lyric PRO 7.1 RU1 installation disk. Additional components and documentation, e.g., GPI installers, are also included on the disk.
- All software components and documentation, except where noted, are also available for download from the Support area of the Chyron web site.

This document provides the following:

- Description of the software components and the systems to which they apply
- Minimum hardware requirements for Chyron and offline (PC) systems
- Current CAMIO components for systems integrated with a CAMIO Server
- Installation notes
- Quick guide for the first-time user

**Please note that this document supersedes the Release Notes and the Lyric Online Help.**

## Lyric 7.1 RU1/Lyric PRO 7.1 RU1 and Related Software Components

The following table lists the required components for installation and operation of Lyric 7.1 RU1/Lyric PRO 7.1 RU1.

Software Component	Version	New System	Existing System	Offline System (PC)
<b>Lyric 7.1 RU1/ Lyric PRO 7.1 RU1</b> The creation and playout software for the Chyron system. Depending upon the type of installation selected, the Lyric installation process may include the installation of additional supporting components.	7.1.1451	Installed at factory.	Installation required.	Installation required.
<b>eFX Plugin</b> Enables the operation of the eFX hardware.	1.9.213	Installed at factory.	Installation required for any system with eFX frame buffer(s) and/or eFX clip player(s). Must install to Lyric 7.1 RU1/Lyric PRO 7.1 RU1 installation directory, even if correct eFX Plugin is already on system.  Not required on systems without eFX hardware, e.g., CODI-based systems that do not have eFX clips players.	If an offline system (PC) is to be used for creating messages that are to be played out on system with eFX frame buffers and/or clip players, then the eFX plugin should be installed to the current Lyric 7.1 RU1/Lyric PRO 7.1 RU1 installation directory in order to view eFX nodes (video and audio) in the Scene Graph or Scene Tree in the Lyric 7.1 RU1/Lyric PRO 7.1 RU1 Offline environment.

<b>Software Component</b>	<b>Version</b>	<b>New System</b>	<b>Existing System</b>	<b>Offline System (PC)</b>
<b>NVIDIA® Driver</b> Lyric 7.1 RU1 and Lyric PRO 7.1 RU1 will work only on systems with an AGP or PCI NVIDIA GeForce 6800 or higher graphics card.	182.50	Installed at factory.	Installation required if specified driver not already installed.  NVIDIA driver should be installed before Lyric 7.1 RU1/Lyric PRO 7.1 RU1 is installed.	
<b>Microsoft® .NET Framework</b>	Latest version available	Installed at factory	Installation required if Microsoft .NET Framework 2.0 or later is not already installed. It is advisable to update to most current version.  The Microsoft .NET Framework should be installed before Lyric 7.1 RU1/Lyric PRO 7.1 RU1 is installed.	
<b>QuickTime® Player</b> Required for QuickTime playout.	Latest version available	Installation required if incorporating QuickTime files into Lyric compositions.	Installation required if incorporating QuickTime files into Lyric compositions.  If QuickTime is already on system, then It is recommended that the system is updated to latest version of QuickTime. QuickTime can be downloaded from the Apple® web site.	

Software Component	Version	New System	Existing System	Offline System (PC)
<p><b>MOSXML Plugin</b>                      The MOSXML Plugin is required to play out CAMIO graphics if an iSQ (or third-party) payout controller is not used.</p> <p>The MOSXML Plugin is also used to upload templates into CAMIO from Lyric rather than drag-and-drop into Asset Manager.</p> <p>Note: The MOSXML Plugin is a component of the CAMIO Suite and is not supplied on the Lyric 7.1 RU1/Lyric PRO 7.1 RU1 installation disk.</p>	<p>1.10.32.177</p>	<p>If the MOSXML Plugin is purchased at same time as the Chyron system, then the MOSXML Plugin is installed at the factory.</p> <p>Otherwise:                      Installation required for MOS XMP metadata function and bug fix regarding thumbnail display. Additional details in the section covering Lyric/Lyric PRO and CAMIO, LUCI, iSQ, iRB.</p>	<p>Installation required for XMP metadata function and bug fix regarding thumbnail display. Additional details in the section covering Lyric/Lyric PRO and CAMIO, LUCI, iSQ, iRB.</p>	<p>Installation required in order to upload templates to CAMIO via offline Lyric.</p>

## Minimum Hardware Requirements

### Chyron Systems

A minimum hardware configuration, as detailed below, is required in order to run Lyric 7.1 RU1 or Lyric PRO 7.1 RU1 on a Chyron system. Note that all configurations require the system to contain at minimum either an AGP or PCI Express NVIDIA GeForce 6800 series GPU card. If you have questions about the ability of your specific system to run this version, then please contact Customer Support at +1 888 4 CHYRON (+1 888 424 9766).

Software Version	eFX FB	eFX Clips	CODI FB	Aja FB	Matrox® Clips
Lyric PRO 7.1 RU1	Yes	Yes	No	No	No
Lyric Standard 7.1 RU1	Yes	Yes	Yes	No	No
Lyric PRO 7.1	Yes	Yes	No	No	No
Lyric Standard 7.1	Yes	Yes	Yes	No	No
Lyric PRO 7.0	Yes	Yes	No	No	No
Lyric Standard 7.0	Yes	Yes	Yes	No	No
Lyric PRO 6.5	Yes	Yes	Yes	Yes	No
Lyric Standard 6.5	Yes	Yes	Yes	Yes	Yes

### Offline System Requirements

Offline systems running Lyric 7.1 RU1/Lyric PRO 7.1 RU1 must have the following minimum hardware configuration:

Windows® XP with Service Pack 2 or Windows Vista® operating system. If using Windows Vista, then Lyric must either be RUN AS ADMIN, or USER ACCOUNT CONTROL" must be set to "OFF" in order to have full functionality. Please note that RUN AS ADMIN provides greater security.
Intel® Core™ 2 Duo processor
NVIDIA® GeForce 8 or better series with minimum 512 MB RAM
100 GB drive space; physical or virtual drives should be configured to match the playout system to facilitate message and asset transfer.
2 GB RAM
Standard computer keyboard

## Lyric/Lyric PRO and CAMIO, LUCI, iSQ, iRB

Lyric or Lyric PRO running in conjunction with CAMIO and LUCI, with or without iSQ and/or iRB, should run the most up-to-date software for optimal operation. CAMIO Server software, the MOSXML Plugin, iSQ Server software, iSQ Viewer software, iRB software and LUCI software are components of the CAMIO Suite and are not supplied on the Lyric/Lyric PRO installation disk.

System or Software Component	Version
Lyric: Installed on all design/playout systems and CAMIO Server.	7.1.1451
CAMIO Server	3.2.0.8
MOSXML Plugin: <ul style="list-style-type: none"> <li>Installed on all design systems and CAMIO Server with iSQ workflow.</li> <li>If not using iSQ workflow, then installed on playout device(s).*</li> </ul>	1.10.32.177
iSQ Server: Also referred to as iSQ Service - installed on playout device(s).	2.2.43.10
iSQ Viewer: Also referred to as iSQ Client – installed on customer-supplied PC.	2.2.43.10
LUCI: Installed on newsroom/remote PCs used for CAMIO template-based graphics creation.	2.1.0.24
iRB: Installed on CAMIO Server.	1.1.18.4

\* The MOSXML Plugin update to version 1.10.32.175 is required for support of the following:

- Adobe XMP workflow
- Generate proxy-based image preview of graphic composition

# Installation Notes

## Introductory Notes

It is recommended that if the NVIDIA driver on the Chyron or offline system requires update, then it should be installed prior to installing Lyric 7.1 RU1/Lyric PRO 7.1 RU1.

Before installation of Lyric/Lyric PRO or a plugin, close any open instance of Lyric/Lyric PRO, and then wait for thirty seconds. If, after the Lyric 7.1 RU1/Lyric PRO 7.1 RU1 or plugin installation, an error message appears, indicating the presence of a duplicate LEIFLet, then the system must be rebooted.

For additional information about or assistance with installations, please call Customer Support at:

+1 888 4 CHYRON (+1 888 424 9766)

## About the NVIDIA® Graphics Cards and NVIDIA Driver Installation

Please note that Lyric 7.1 RU1 and Lyric PRO 7.1 RU1 will work only on Chyron systems with an NVIDIA® 6800 or higher graphics card. If the correct driver is already installed on the system, then there is no need to reinstall it.

Lyric PRO 7.1 RU1 has been developed and optimized for the NVIDIA GeForce GTX-285 GPU card on the HyperX<sup>3</sup>, the NVIDIA GeForce 8800 series and later GPU card on the HyperX<sup>2</sup> and LEX<sup>2</sup>, as well as for offline operation.

Version 182.50 should be installed for all systems and should be installed before Lyric 7.1 RU1/Lyric PRO 7.1 RU1 is installed. NVIDIA drivers can be downloaded from the Chyron web site.

## Microsoft® .NET Framework Installation

The Microsoft® .NET Framework 2.0 or later is required to execute the NVIDIA Tweak on HyperX<sup>3</sup> systems and to install the Lyric Diagnostic Utility.

The Microsoft .NET Framework should be installed before Lyric/Lyric PRO is installed. It can either be downloaded from the Microsoft website or installed directly from the link provided on the installation disk.

Note that if that if the Microsoft .NET 2.0 Framework is already on the system, there is no need to reinstall it. To check for the presence of this component:

1. Go to **Start Menu > Setting > Control Panel**.
2. Double-click **Add or Remove Programs**.
3. Determine if **Microsoft .NET Framework** is in the list.
  - If **Microsoft .NET Framework 2.0** or later is displayed in the list, then there is no need to reinstall it, although it is advisable to update to the most recent version. The version that is provided is **Microsoft .NET Framework 3.5 SP1**.
  - If **Microsoft .NET Framework** is either not displayed in the list or the version that is listed is earlier than version 2.0, then installation is necessary.

## Lyric 7.1 RU1/Lyric PRO 7.1 RU1 Installation

The Lyric 7.1 RU1/Lyric PRO 7.1 RU1 installation process includes the installation of multiple components. Please review the notes regarding each of these installation procedures.

### **Which type of installation should be performed?**

During the installation process, an installation type can be selected, including **First Time User**, **Upgrade**, **Typical**, etc.

- If Lyric 7.1 RU1 is to be installed on a system that does not have a previous version of Lyric already on the system, or if the system has been reformatted, then select **First Time User** when prompted during Lyric installation. This applies to both Chyron and offline (PC) systems.
- If the installation is an upgrade from a version of Lyric already on the system, then select **Upgrade** when prompted during Lyric installation.
- If, after installation is complete, an error is displayed stating that the **Application Configuration** has changed, then Lyric must be reinstalled with the **Upgrade** option selected in order to ensure that all necessary prerequisites are installed.
- The type of installation selected (i.e., **New User**, **Typical**, **Upgrade**, etc.) determines the installation processes that are presented during installation. As such, not all components will necessarily be installed or reinstalled.
- During Lyric or Lyric PRO installation, selecting **First Time User** will install a variety of sample files and graphics. **IMPORTANT!!!** Please note that if **First Time User** is selected, then the generic browser file named **Browser** (i.e., **Browser.mdb**) will be overwritten with a blank browser. *If the generic browser file already has assets in it that should be saved, then rename **Browser.mdb** to another name before performing the Lyric installation.*

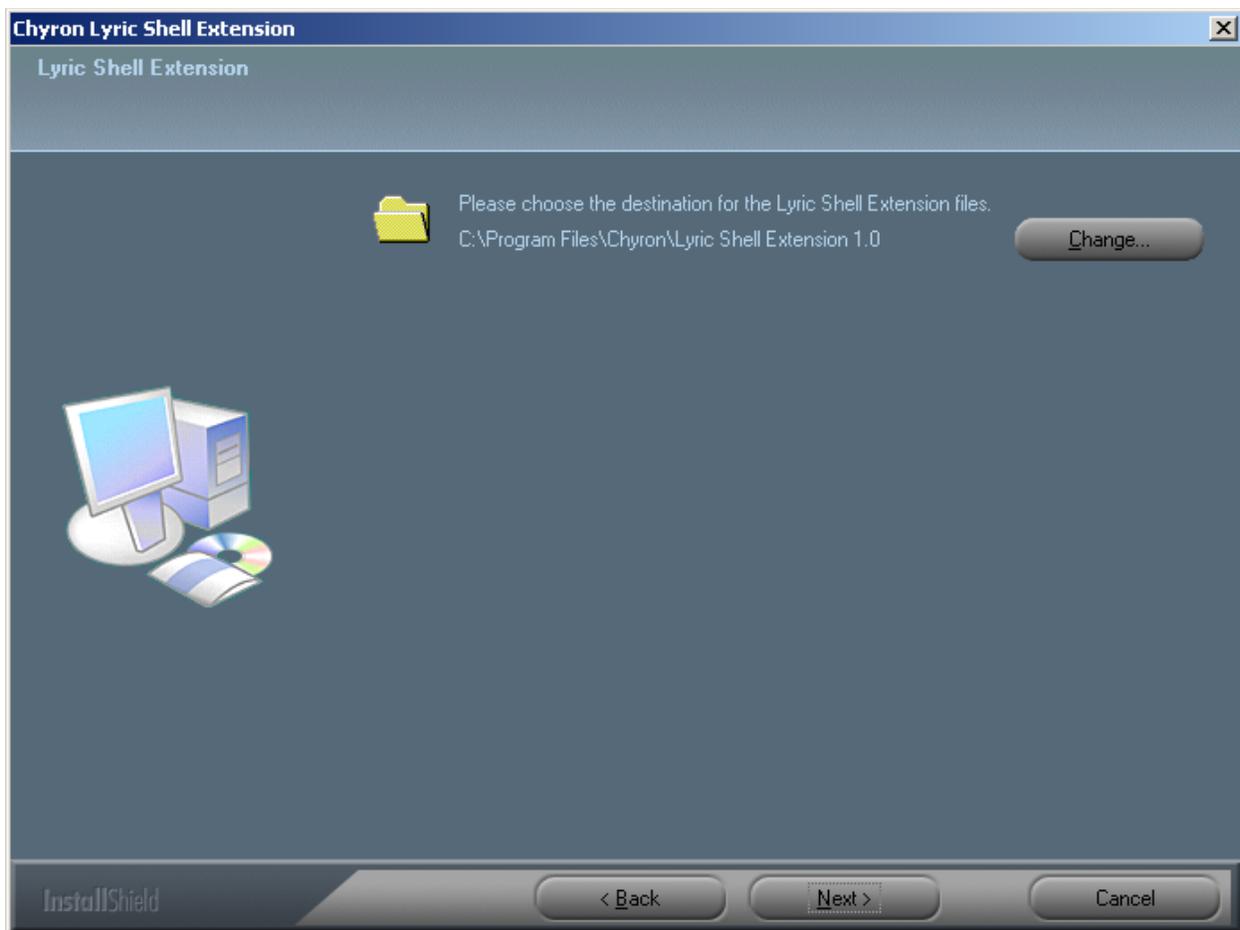
### **Please note the following:**

- The Lyric installer may take a few seconds to start.
- If the **Microsoft® Visual C++ Redistributable** is installed (depends on type of installation selected), then the process may take a few minutes. The Microsoft Visual C++ Redistributable installs updated runtime components of Visual C++ Libraries required to run applications developed in the comparable Visual C++ environment. Installation runs automatically with no user response required.
- Depending upon the type of installation selected, the **NVIDIA Tweak** may be executed. This provides an adjustment specifically for the NVIDIA graphics card in the HyperX<sup>3</sup> systems. As described earlier, the NVIDIA Tweak requires the installation of the Microsoft® .NET Framework 2.0 or later.
- Depending upon the type of installation selected, the **Shell Extension** component may be installed. The Shell Extension enables thumbnails of Lyric graphics to be displayed in Windows® Explorer. Please refer to the section covering **Shell Extension Installation** for information regarding installation of this component.

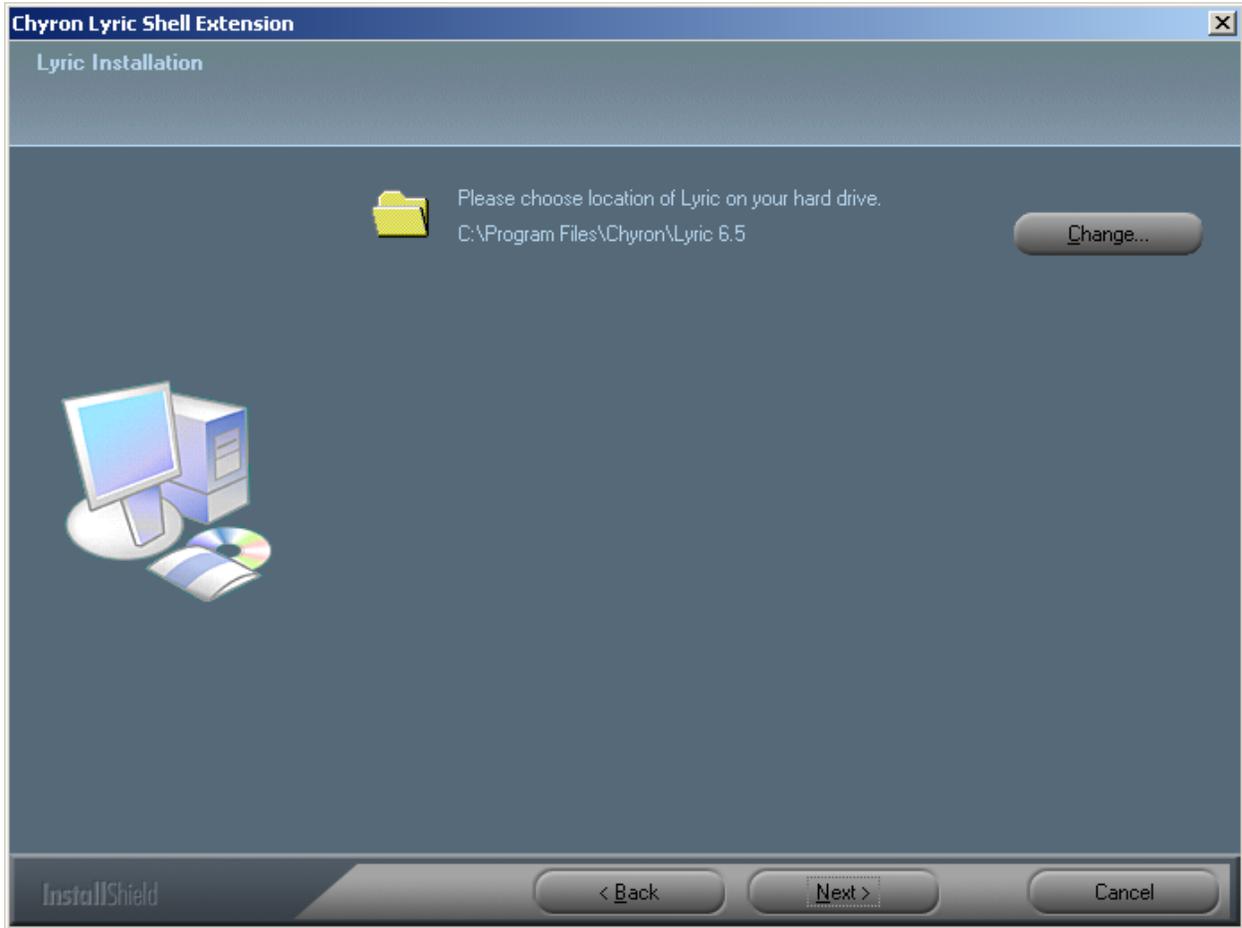
- Depending upon the type of installation selected, the **Diagnostic Utility** may be installed. This serves to capture logging and configuration information in the event that service is required. Please refer to the section covering **Diagnostic Utility Installation** for information regarding installation of this component.
- **Please also note that when launching Lyric 7.1 RU1 or Lyric PRO 7.1 RU1 for the first time after installation, the system may experience a stream error of approximately 10 seconds in duration.**

### Shell Extension Installation

The Shell Extension enables thumbnails of Lyric graphics to be displayed in Windows® Explorer. During Shell Extension installation, the following is displayed. Leave the destination as is, and then click **Next**.



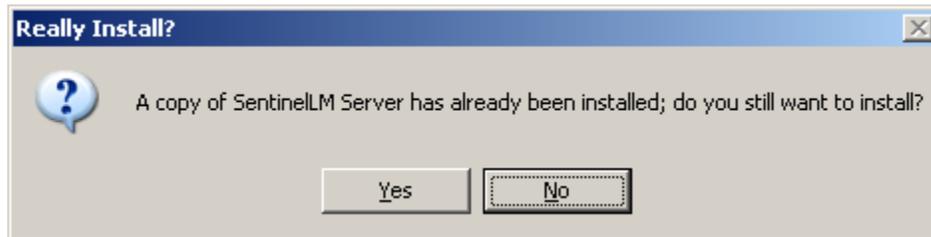
The following is then displayed. The installation directory must be changed to the directory in which Lyric 7.1 RU1 is being installed. After resetting the directory, click Next and then follow the instructions for completing the installation of this component.



## Sentinel Installation

Sentinel is the licensing application for Lyric, and installation of the Sentinel components is executed as part of the Lyric installation process.

- On systems on which Sentinel components have not been installed, follow the installation instructions.
- On systems on which the Sentinel components have already been installed, the **Really Install?** prompt may be displayed, providing the choice of whether or not to reinstall the SentinelLM Server component. This component should *not* be reinstalled. Click **No** to continue the Lyric installation.



Please note that occasionally the other installation processes display dialogs that cover the above Sentinel installation dialog. If Lyric installation completes before entering the response to the **Really Install?** prompt, then click **No** as previously instructed.

## Diagnostic Utility Installation

Depending upon the type of installation selected, the Diagnostic Utility installation may execute. This utility serves to capture logging and configuration information in the event that service is required.

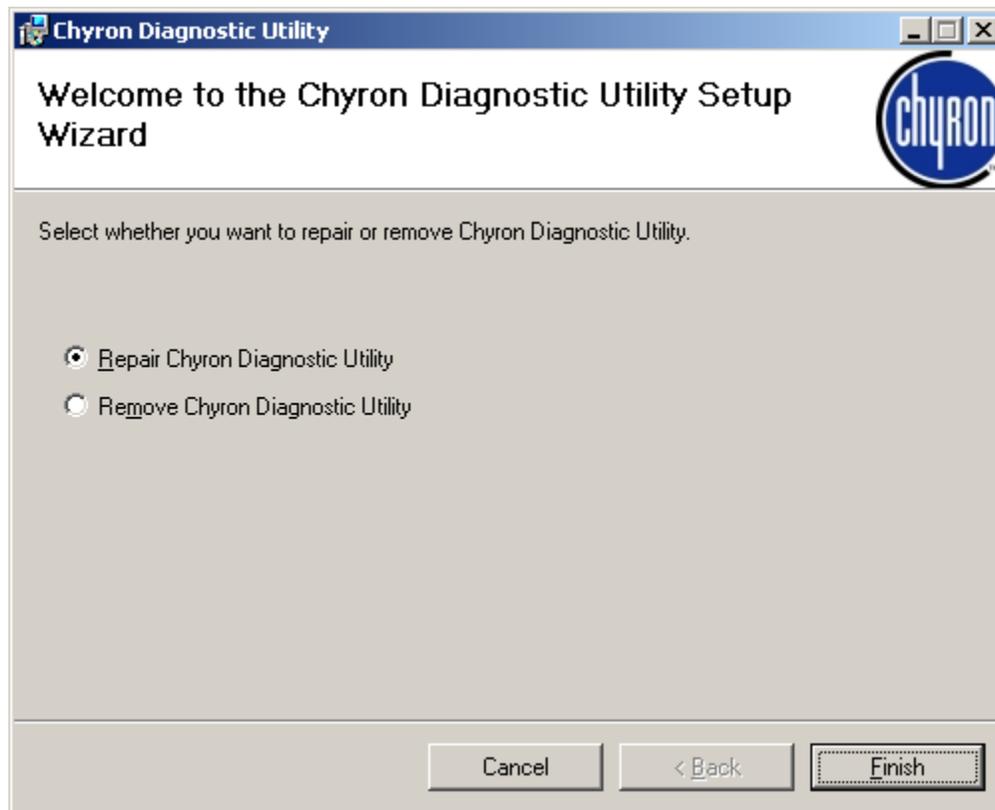
As described earlier, the Diagnostic Utility requires the installation of the Microsoft .NET Framework 2.0 or later. Note that if desired, installation of the Diagnostic Utility may be cancelled without adversely affecting the remainder of the Lyric 7.1 RU1/Lyric PRO 7.1 RU1 installation. The Diagnostic Utility is not necessary for Lyric/Lyric PRO operation and may be installed separately at a later date.

To install only the Diagnostic Utility:

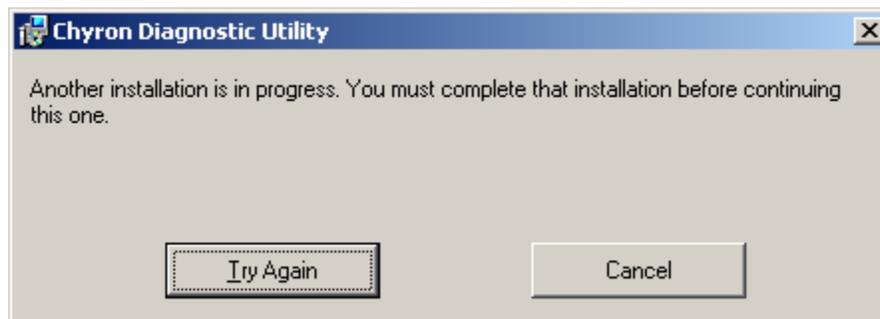
1. Start the Lyric installation.
2. When requested to select the installation type, select **Custom**.
3. In the list of features to install, select **Utilities**. It may be necessary to scroll down to see it.
4. Uncheck all other items.
5. Continue the installation until complete.

Note the following:

- It is possible that the Diagnostic Utility installation may not complete before the installation of other components (including Lyric) start and finish. If this occurs, then complete the Diagnostic Utility installation as instructed. In this particular instance, the order of installation is of no import.
- It is possible that the following might be displayed during Diagnostic Utility installation. If so, then it indicates only that there is already a copy of the utility on the system, and not necessarily that it is damaged. Click **Repair**, and then click **Finish**.



- Additionally, it is possible that the following might be displayed during installation. If so, then wait a few seconds and then click **Try Again**.



## Lyric Online Help Installation

The Lyric Online Help file must be copied to the Lyric installation directory in order to enable access to Lyric Online Help documentation and context-sensitive help from within Lyric. After completing the Lyric installation, save the Lyric.chm file to the directory in which Lyric 7.1 RU1/Lyric 7.1 PRO RU1 has been installed. Note that the Lyric Online Help file (Lyric.chm) can be copied to an offline system and viewed within Internet Explorer®. Topics can be easily printed from Lyric Online Help.

## eFX Plugin Installation

### **Introduction**

The eFX Plugin is required for any system with an eFX frame buffer(s) and/or eFX clip player(s). Systems with eFX frame buffers include all HyperX<sup>3</sup>s, HyperX<sup>2</sup>s, all LEX<sup>2</sup>s, all MicroX HD/SDs, all SOLO<sup>2</sup>s, and legacy systems including some HyperXs and all HX200s. Systems with eFX clip player options can include HyperX<sup>2</sup>s, LEX<sup>2</sup>s, and legacy systems including HX200s and some HyperXs, LEXs and LXs. The eFX Plugin installs the eFX Plugin, eFX drivers and if selected, the Matrox®-to-LTV conversion utility.

Note that the installation of the eFX Plugin is not required for systems that do not contain eFX hardware, e.g., CODI-based systems that do not contain eFX clips players, as well as systems running Lyric 7.1 RU1 Offline or Lyric PRO 7.1 RU1 Offline.

It is recommended, however, that if an offline system (PC) is used for creating messages that are to be played out on system with eFX frame buffers and/or clip players, then the eFX plugin should be installed in order to view eFX nodes (video and audio) in the Scene Graph or Scene Tree in the Lyric/Lyric PRO Offline environment.

For systems requiring the eFX Plugin, version 1.9.213 must be installed in the Lyric 7.1 RU1 directory, even if the plugin already is on the system in a different Lyric installation directory. *As such, Lyric 7.1 RU1 or Lyric PRO 7.1 RU1 must be installed before installing the eFX Plugin.*

### ***eFX Plugin Installation on a Chyron System***

When updating or installing the eFX plugin on a Chyron system, please follow the instructions below. Note that this installation may update previously installed eFX Drivers. Do not uninstall the existing eFX drivers before performing this installation. The new drivers will properly update over the existing drivers.

1. Launch the eFX Plugin Version 1.9 Build 213 installer.
2. Point to the installation to the directory in which Lyric 7.1 RU1 is installed.
3. The eFX installation defaults to **Custom**, in which the eFX Drivers checkbox is not checked.
4. Check only the **eFX Plugin** and the **eFX Drivers** checkbox. This will update the eFX Drivers to Version 131.
5. If planning to convert Matrox files to LTV files from legacy systems, then also check the **eFX Converter** checkbox. This will install the Matrox codecs necessary to run the Matrox-to-LTV conversion utility; otherwise, proceed to the next step.
6. When installing the eFX drivers, a prompt will be displayed with the following message:  
**Answer No to the question "Install Audio Drivers" to prevent Frame Buffer reversal in Lyric.**  
Click **OK**.
7. A prompt will be displayed with the following request:  
**Do you want to install audio driver?**  
Click **No**. This prevents the eFX board enumeration from being reversed in Lyric PRO. Note that the absence of audio drivers does not have a negative effect on Lyric PRO and system operation, and in fact, prevents Windows® system sounds from accidental output from the eFX boards.
8. Follow the instructions to complete the installation, which will include rebooting the system.

Please note that there are two known issues regarding using version 131 of the eFX driver, which is a component of the eFX Plugin 1.9.213. This includes all new systems and those systems that have been updated to eFX driver version 131.

- When switching from 720p to NTSC or PAL, animations played to output can occasionally jitter. The workaround is to switch to 1080i, and then to switch back to the desired SD standard (NTSC or PAL). Note that the jitter only occurs directly after the switch from 720p to NTSC or PAL, and does not recur once the workaround has been performed.
- If eFX Reporting, set in the eFX Device settings, is enabled and the system is set to either 1080i or NTSC, then when a clip is subsequently played to output, the Status Bar will display an error at frame 0:00 that indicates either Overload or Unknown error. This occurs only once after the 1080i or NTSC standard is set, and is a false error message. It has no effect on the clip playback.

**Note:** If upgrading from a system running the eFX Drivers Version 99B and the system experiences display problems other than the aforementioned known issues, that occur after installation of the eFX Plugin 1.9.213 plus the eFX Drivers Version 131, then reinstall eFX Driver Version 99B.

**Note:** In the instance where the eFX Plugin must be installed to a Chyron system that does not already have an eFX driver installed:

1. First perform the eFX installation with only the **eFX Drivers** checked in the **Custom installation**, and then,
2. Perform the installation once again with just the **eFX Plugin** checked.

***eFX Plugin Installation on an Offline System***

When updating or installing the eFX plugin on an offline (PC) system, please follow the instructions below.

1. Launch the eFX Plugin Version 1.9 Build 213 installer.
2. Point to the installation to the directory in which Lyric 7.1 RU1 is installed.
3. The eFX installation defaults to **Custom**.
4. Check only the **eFX Offline Drivers** checkbox. Uncheck all other items.
5. Follow the instructions to complete the installation.

**Video Preview Installation**

Video Preview enables the use of Clone Canvas to display the contents of the Lyric canvas via the S-Video output of the NVIDIA card.

- For systems running Lyric 7.0/Lyric PRO 7.0 and with the Video Preview installation procedure for Lyric 7.0/Lyric PRO 7.0 having been performed, there is no need to reinstall.
- For systems running an earlier version of Lyric with or without Video Preview configured, it is necessary to perform the configuration as per the Video Preview Clone Canvas Procedure instructions that are included on the installation disk. These instructions contain significant changes that have been made to configuration and operation.

**IMPORTANT!!! Extra time should be allocated for first-time configuration or update of Video Preview.**

## Quick Guide for the First-Time User

When launching Lyric 7.1 RU1/Lyric PRO 7.1 RU1, a blank canvas is displayed. 2D or 3D text can easily be typed and a variety of graphic elements can be imported. The Lyric toolbar, located at the top of the canvas, provides displays icons for accessing the text and graphic tools.

- To type 2D text, select the 2D text icon. A 2D text window is displayed, in which you can start typing.



**2D Text Icon**

- Lyric 7 Series software features an advanced 3D text renderer. In earlier versions of Lyric, 3D text was typed free-form on the canvas and required a separate operation to place the text in a template. To type 3D text using this new renderer, select the template icon. This creates a 3D text template in which you can start typing.



**Template Icon**

- To import a 2D object, select the 2D Object icon, and then navigate to and select the desired file. Once selected, the image is imported to the canvas.



**2D Object Icon**

- To import a 3D object, select the 3D Object icon, and then navigate to and select the desired file. Once selected, the 3D object is imported to the canvas. Note that on some systems, 3D object function is optional and must be purchased.



**3D Object Icon**

- To import a movie object, select the Movie Object icon, and then navigate to and select the desired MOV or AVI file. Once selected, the movie is imported to the canvas. Note that on some systems, movie object function is optional and must be purchased.



**Movie Icon**

Many additional tools are provided, with which you can create backgrounds, 2D and 3D rolls and crawls, clocks and timers, type on a spline curve and much more. Please refer to the Lyric Online Help that is provided with Lyric 7.1 RU1 /Lyric PRO 7.1 RU1. *Lyric Online Help* provides a comprehensive resource for instructions on creation and layout. In addition, the Chyron web site offers a library of Camtasia® tutorials which provide step-by-step instructions on creating Lyric graphics. These tutorials can be accessed from a link on the Chyron web site home page.