

# **Chyron MOS**

# **Quick Start Guide**

Chyron Corporation 5 Hub Drive Melville, NY 11747 631-845-2000 sales@chyron.com www.chyron.com

Publication No. 2A02221, Rev 0

Chyron<sup>®</sup>, Duet<sup>®</sup>, Lyric<sup>®</sup>, CODI<sup>®</sup>, iNFiNiT! <sup>®</sup> and Intelligent Interface<sup>®</sup> are registered trademarks of Chyron Corporation.

All other trademarks are property of their respective companies. ©2005 Chyron Corporation

# CONTENTS

Installation Overview	
Introduction	
Chyron MOS Installation Components	
Installation Procedures	
Introduction	
Getting Started	
Installing Lyric for CAMIO	
Installing the Lyric MOS XML Plugin 14	ļ
Installing the LUCI ActiveX Interface (LUCI)	5
CAMIO Admin Tool	)
Overview	)
Getting Started	)
CAMIO MOS Management	2
CAMIO Context Management 39	)
CAMIO User Administration	;
CAMIO Device Management 49	)
Completing Required Tasks 51	
APPENDIX A: Chyron MOS Checklist	2
APPENDIX B: Running CAMIO Server	ł

# Installation Overview

# Introduction

Chyron MOS (Media Object Server) consists of a number of components (see table below), all of which must be installed for Chyron MOS to work. Additionally, specific configurations must be set.

Component	Installed On
CAMIO Server	Single host computer (server)
Lyric for CAMIO	The host computer (server) where CAMIO Server is installed
Lyric MOS XML plug-in and MSXML4 dll	Duet Playout System
LUCI Active X Interface	Newsroom System

#### **CHYRON MOS COMPONENTS**

# **Chyron MOS Installation Components**

### CAMIO SERVER

The CAMIO Server application (also referred to as CAMIO or Service Broker) is responsible for negotiating the communications between the Lyric Universal Control Interface (also referred to as LUCI or LUCI Active X Interface), and Lyric on the playout system. CAMIO Server software must be installed on the system that is to act as the Chyron MOS Server. When the Chyron MOS Server software is installed, it automatically installs the following tools:

- CAMIO Admin Tool Utility The Admin Tool is used to view reports of various assets and administer the configuration of the CAMIO Server, Contexts, users, and more. Access to the Admin Tool is restricted to Service Broker Administrators.
- **CAMIO Asset Manager** The Asset Manager allows users to browse and manage graphics assets from systems connected to the Chyron MOS Server. Assets can be viewed, sorted, edited, copied, deleted, and downloaded. Note that the Asset Manager is a Java application.
- Service Broker The Service Broker must be running in order to use Chyron MOS. This is the service that manages the communications of the LUCI Plugin on the Newsroom Clients, the Duet Playout devices and the Newsroom Computer System.

|--|

The installation of the CAMIO Server application is not described in this guide, because it is pre-installed at the factory.

#### LYRIC for CAMIO SERVER

Lyric on the CAMIO Server enables the CAMIO Server to render previews of Chyron messages being built in LUCI on the Newsroom Clients. Lyric for CAMIO Server must be installed on the CAMIO Server. It is essential that for quick and accurate rendering, an nVidia AGP video board be

installed on the CAMIO Server system as well. See "Chyron MOS Server 1.9 Installation Utility Page" on page 5.

#### MOS and XML LEIFlets

The MOS (Media Object Server) and XML LEIFlet plug-ins enable the Chyron MOS Server version of Lyric to facilitate communications between the Chyron LUCI Active X Interface client application (LUCI) and the playout system. See "Installing the Lyric MOS XML Plugin" on page 14. These plugins should be installed on any machine that will be creating content for use by the Chyron MOS Server. The Plugin enables XML data to be saved with the message so that it becomes a valid object in the Chyron MOS System.

#### JAVA RUNTIME

Java is required on any machine that will use Asset Manager to upload content to the Chyron MOS Server. Java Runtime is distributed with CAMIO Server and the user is automatically prompted to start the Java Runtime installation process the first time there is an attempt to load the Asset Manager Browser page.

# **Installation Procedures**

# Introduction

This section provides the following installation procedures:

- · Installing Lyric for CAMIO
- Installing the Lyric MOS XML Plugin
- Installing the Lyric Universal Control Interface (LUCI)

Perform these installation procedures in the order given. Start the installation process with "Getting Started" below.

# **Getting Started**

- 1. Insert the Chyron MOS CD into a CD drive. The Chyron MOS Server 1.9 Installation Utility page opens. See Figure 35. If the Chyron MOS Server 1.9 Installation Utility page does not open, do the following:
  - From the Windows Start menu, select Run. The Run dialog box appears. Type <CD Drive Name>:\CAMIO\CAMIO\_<version>.exe in the Open field, and then press Enter. Note that <CD Drive Name> is the drive letter assigned to the drive in which the CAMIO Installation CD is inserted and <version> is the version of the software. For example, if the drive letter is "D", and the version is 1.8.4.0, the string would be typed as D:\CAMIO\CAMIO\_1\_8\_4\_0.exe.

2. Install Lyric for CAMIO. See "Chyron MOS Server 1.9 Installation Utility Page" on page 5.

🗿 Chyron MOS - Microsof	t Internet Exp	plører 📃 🗖 🗙
File Edit View Favorites	Tools Help	a da ser a construction de la const
🕝 Back 👻 🕑 👻 😫	2 🏠 🌶	🔎 Search 👷 Favorites 🔗 😥 + 🌉 💹 🔸 🧾 🎇 🦓
Address 🙋 D:\index.html		🔽 🔁 Go 🛛 Links 🎽 📆 🗸
home		CHIRD CHIRD MOS
CAMIO		
Help	+	
Installation Notes	+	Chyron MOS Server 1.9 Installation Utility
Install	+	This Chyron MOS Server 1.9 Installation Utility contains the Installation executable and documentation necessary to install the Chyron MOS
Lyric CAMIO		Server software. It also contains a variety of product information as well as trial programs and utilities you might find useful under the Goodies menu.
Install	+	For the information of the sector of the sec
LUCI		For more information of to purchase Chyron dullues, please call 1-888-4-CHYRON
Install	+	To install programs or view documentation, simply use the menu on the left to select a product category and navigate down to the specific product you are interested in PDF and HTML documents will open in the browser, and you will be able to Save. Print and even Search the
Lyric MOS XML Plugin		document for specific words. You can return to this page at any point by clicking home in the upper left.
Install	-	PLEASE READ the following notes carefully before performing any installations
Training		<ul> <li>Installation scripts will first prompt you to Download and Open or Save to disk. This is normal and a by-product of Browser security. To run installation directly without saving, select Open.</li> </ul>
Chyron Product Catalog		<ul> <li>- Basic and Advanced training courses are available both in-house and on-site for all Cityron products. For more information, please contact Barbara Schweitzer (<u>uschweitzer@chwon.com</u>) at (631) 845 – 2133.</li> </ul>
Goodies		No Acrobat Reader?
		You can <u>install the Adobe Acrobat Reader here</u> .
		Chron's monthly s-Newsletter
ど Done		- 🤤 My Computer

Figure 1 Chyron MOS Server 1.9 Installation Utility Page

# Installing Lyric for CAMIO

To install Lyric for CAMIO:

- 1. In the Navigation panel (Figure 1), click the **Install** link located below **Lyric CAMIO**. The File Download Security Warning dialog box appears.
- 2. Click on Run. The Internet Explorer Security Warning dialog box appears.
- 3. Click on **Run**. The Chyron Welcome screen is displayed (Figure 2). Click on **Next**. The Lyric 4.x License Requirements dialog box (Figure 3) appears.
- 4. Click on Yes. The License Agreement dialog box appears (Figure 4).



Figure 2 Chyron Welcome Screen

Lyric 4.	x License Requirements
?	License Keys from previous versions of Lyric are not valid for Lyric 4.0 or later. If you do not have the appropriate License key, do not proceed. Contact Chyron Customer Service (631-845-2132) for further information.
	Select YES to continue.
	Yes No

Figure 3 Lyric 4.x License Requirements

Chyron Lyric Setup	<
License Agreement Please read the following license agreement carefully.	
Press the PAGE DOWN key to see the rest of the agreement.	
\$OFTWARE LICENSE AGREEMENT         THIS SOFTWARE LICENSE AGREEMENT (the "Agreement") is         being entered into as of the date of purchase. The parties         to this Agreement are Chyron Corporation, a New York         Corporation ("Chyron"), and the registered user, "Licensee".         This Agreement is a legal agreement between Licensee and Chyron         for the software identified on the packing list, which includes         computer software and associated media and printed materials	
Do you accept all the terms of the preceding License Agreement? If you select No, the setup will close. To install Lyric, you must accept this agreement.	
Install5hield Kack Yes No	

Figure 4 License Agreement

5. After reading and accepting all the terms of the license, click on **Yes**. The Choose Destination Location dialog box (Figure 5) is displayed.

Chyron Lyric Setup	×
Choose Destination Location Select folder where setup will install files.	
Setup will install Lyric in the following folder.	
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.	
- Destination Folder	
C:\Program Files\Chyron Browse	
InstallShield	

Figure 5 Destination Folder

6. Select a destination folder. Click on **Next**. The Setup Type dialog box (Figure 6) is displayed.

Chyron Lyric Setup	X
Setup Type Select the setup type that best suits your needs.	
Click the type of setup you prefer.  Custom First Time User Minimal Typical	Description Full Installation of Lyric plus demo messages and graphics
InstallShield	k Next > Cancel

Figure 6 Setup Type

- 7. Select **First Time User**, to have sample content installed with Lyric. Otherwise, select **Typical**, if you do not require sample content.
- 8. Click on **Next**. The Select Program Folder dialog box (Figure 7) is displayed.

Chyron Lyric Setup	×
Select Program Folder Please select a program folder.	
Setup will add program icons to the Program Folder listed below. You may type a new folder name, or select one from the existing folders list. Click Next to continue. Program Folder:	
Chyron Existing Folders:	
Accessories Administrative Tools Adobe Broadcom	
Chyron Dell Dell Accessories Dell Applications	
Dell Picture Studio 3	
< Back Next > Cancel	)

Figure 7 Select Program Folder

- 9. Select a program folder. Click on Next. Lyric will now be installed.
- 10. Register Lyric. Follow the steps given in "Registering Lyric as a Server" below.

#### **REGISTERING LYRIC as a SERVER**

This step is required if CAMIO is running as a System Service or as a User Application and you do not wish to manually start Lyric.



It is recommended that Lyric is registered as a server, to minimize interruption with LUCI Previews. This is because Lyric will automatically load when required by LUCI, if it is not already running.



Close all instances of Lyric, before continuing.

1. Start the Lyric Server Configuration Utility (Figure 8) by selecting Start>Programs>Chyron>Camio>Lyric Server Configuration Utility.

🛨 Lyric Serv 💶 🗖 🔀
Connect Lyric
Show Lyric
Identity C Interactive User
C Dither User
Benister Luric
End Luric Process(es)
0 active Lyric process(es)

Figure 8 Lyric Server Configuration Utility

2. Click Register Lyric. The Open dialog box appears (Figure 9).

×

Figure 9 Open Dialog

3. Use the **Look in** drop-down list box (Figure 10) to navigate to **Chyron>Lyric CAMIO**, containing the executable **Lyric.exe**.

Open					? 🛛
Look in: ଢ	Lyric CAMIO 📃 💽	¢	£	ď	<b>.</b>
Conse Conse Conse Consector Consecto					
File name:	Lyric				Open
Files of type:	Lyric (Lyric.exe)	•	•		Cancel

Figure 10 Lyric Executable

4. Click the **Open** button, the ServerConfig dialog box (Figure 11) appears.



Figure 11 ServerConfig

5. Click on **Yes**. The Lyric Not Licensed dialog box appears (Figure 12).



Figure 12 Lyric Not Licensed

6. Click **OK**. The Enter License Code dialog box (Figure 13) appears.

Enter License Code	
License Code:	
ОК	Cancel

Figure 13 Enter License Code

7. Enter the license code. Click **OK**. A dialog box (Figure 14) appears indicating that the Lyric PlugIn was successfully registered. Click **OK**, to complete the registration.



Figure 14 Successfully Registered Lyric PlugIn

8. Next, install the Lyric MOS XML plugin. See "Installing the Lyric MOS XML Plugin" on page 14.

# Installing the Lyric MOS XML Plugin

To enable Lyric, on the playout device, to interpret and act on the **MOS** and **XML** information it receives from the CAMIO Server, the Lyric MOS XML plug-in and the MSXML4 dll must be installed on the playout system. The installation of the MSXML4 dll follows the installation of the Lyric MOS XML plug-in.

To install the Lyric MOS XML plugin:

- 1. Open the Chyron MOS Server 1.9 Installation Utility page. See "Getting Started" on page 5.
- 2. In the navigation panel, click the **Install** link under the **Lyric MOS XML Plugin** heading.
- The LUCI InstallShield Wizard Preparation opens. Lyric MOS XML Plugin Setup automatically prepares for installation. When preparation is complete, the Welcome window (Figure 15) opens.



Figure 15 Welcome to Lyric MOS XML Plugin Setup

4. Click Next. The Choose Destination window (Figure 16) opens.

Setup 🔀
Choose Destination Select folder where Setup will install files.
Please select the Lyric Plugin folder to install this plugin to.
Destination Folder         C:\Program Files\Chyron\Lyric 4.1\Plugins         Browse
InstallShield < Back Next > Cancel

Figure 16 Choose Destination

5. Select the folder where the files will be installed. This directory should be the Plugins folder in the Lyric directory that was configured previously. See "REGISTERING LYRIC as a SERVER" on page 10.



Be careful not to install the files in the incorrect **Plugins** folder if more than one version of Lyric is installed on the system.

6. Click Next. The Start Copying Files window (Figure 17) is displayed.

ietup 🛛 🔀
Start Copying Files Review settings before copying files.
Setup has enough information to start copying the program files. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Next to begin copying files.
Current Settings:
Please Verify that the Plug-in Directory is for the correct version of Lyric. Lyric will not detect the plug-in if it is not installed to the proper directory. Lyric Plug-in Directory: C:\Program Files\Chyron\Lyric 4.1\Plugins
InstallShield
< Back Next > Cancel

Figure 17 Start Copying Files

- 7. Click **Next**. The **Setup Status** window (Figure 18) is briefly displayed. When installation is complete, the **Setup Complete** window (Figure 19) is displayed.
- 8. Click on **Finish**, to complete the set up. The **Welcome to MSXML4** window (Figure 20) is displayed. Click on **Next**, to continue.

Setup		
Setup Status		1
Lyric MOS XML Plugin Setup is performing the requested operations.		
100%		
InstallShield		
	$\mathbb{R}$	Cancel

Figure 18 Setup Status



Figure 19 Setup Complete

🖟 MSXML4
Welcome to the MSXML4 Setup Wizard
The installer will guide you through the steps required to install MSXML4 on your computer.
Click "Next" to continue.
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.
Cancel Previous Next

Figure 20 Welcome to MSXML4

The Select Installation Folder dialog box (Figure 21) is displayed.

🔂 MSXML4		
Select Ins	tallation Folder	
The installer w	ill install MSXML4 in the following folder.	
To install in thi below or click	s folder, click "Next". To install to a different new or existing fo "Browse".	lder, enter one
<u>F</u> older:	C:\Program Files\MSXML4\	Browse
You can instal	I the software on the following drives:	
Volume		Disk Siz
■ C: ₽ F:		71GE 2793GE
<		>
		Disk Cost
	Cancel Previous	Next

Figure 21 Select Installation Folder

- This step is optional: Check disk to make sure there is enough space for installation. Click Disk Cost. The MSXML 4 Disk Space window (Figure 22) is displayed. Check for disk capacity, and then click OK. The Disk Space window closes.
- 10. In the **Select Installation Folder** dialog box (Figure 21), click either **Next** or navigate to the desired installation directory, and then click **Next**.

B MSXML4 Disk The list below includ and required disk sp.	<b>Space</b> es the drives you ca ace.	an install MSXML4 to,	along with each drive'	x available
Volume		Disk Size	Available	Require
C:		71GB	60GB	2777K
⊊F:		2793GB	2676GB	0K
<	Π			>
				ОК



11. The Confirm Installation window (Figure ) is displayed. Click Next, to start the installation.

i₿ MSXML4	
Confirm Installation	
The installer is ready to install MSXML4 on your computer.	
Click "Next" to start the installation.	
Cancel Previous	Next

Figure 23 Confirm Installation



Figure 24 Installation Complete

12. The installation proceeds. When the Lyric MOS Plugin has been installed, the **Setup Complete** window (Figure 25) is displayed. Click **Finish**, to complete setup.

Setup	
	Setup Complete Setup has finished installing Lyric MOS XML Plugin on your computer.
	Click Finish to complete Setup.
	< Back Finish

Figure 25 Setup Complete

- 13. Restart the system.
- 14. Start Lyric. Set the XML Export parameters.
  - To set the XML Export parameters:
    - a. From the Lyric Menu, select **File > Export to XML**. The **XML Export Options** dialog box (Figure 26) is displayed.

XML Export Options	×
Profile Default	
File/Images Options Namespaces Socket Control	1
XML	
🗆 XSL 📃 🛄	
Trim Effects 🔲 Display 🦳 Confirm Overwrite 🔽 Auto Append	
Entire Font C Inline C In File C As Image Ignore	
Image Generation C Inline C In File C As Image C Ignore	
Type TGA 💌	
Export Close Apply	

Figure 26 XML Export Options

- b. Starting with the File/Images tab, select the following items:
- **Trim Effects** Prevents Effects keyframe data from being generated. This helps reduce file and data transmission sizes.
- Auto Append Automatically appends XML data to end of Lyric file on performing a Record.
- **Ignore** (in the Text Generation panel) Ignores individual character data, when selected.
- **Ignore** (in the Image Generation panel) Ignores individual graphic data, when selected.



Ensure that no other items, except the ones listed above, are selected on this tab.

c. Click on the Namespaces Tab (Figure 27). Only MOSPLUGIN.MOSPluginCtrl.1::MOS should be selected.

XML Export Options	×
Profile Default	
Export Close Apply	

Figure 27 Namespaces

d. Click on the **Socket Control** tab (Figure 28). The **Port** setting must match the socket port set for that Context in the CAMIO Server.

XML Export Options	×
Profile Default	
File/Images Options Namespaces Socket Control	
Socket Listener         Port         0       Restart	
Export Close Apply	

Figure 28 Socket Control

- e. Check the socket port setting in the CAMIO Server: The Socket Control settings are required so that Lyric receives Playlists from the Chyron MOS Server. Since the Chyron MOS Server version of Lyric is used for generating previews and populating completed graphics to the output device and does not play out the messages, the Socket Control settings are not important on the Camio Server Version of Lyric.
- f. Compare the port settings to those set using the CAMIO Context Manager. See "CAMIO Context Management" on page 39. Change the Port setting in the XML Export Option dialog box to match the port setting in the CAMIO Device Context, if it does not already match. See "CAMIO Device Management" on page 49. The factory default setting is 10542. Chyron recommends that these settings are used.
- g. If Template messages were created prior to installing the XML Plugin on the version of Lyric they were saved in (this could be a Duet Lyric, Off-line Lyric, or Chyron MOS Server version of Lyric), open and resave all Template Description Messages after the XML Plugin has been loaded and configured. This will ensure that the XML data is saved with the message. Any message that has not been saved with XML will not be a valid asset on the Newsroom Client.



The Chymox ActiveX (LUCI ActiveX Interface) cannot use Template Description Messages that are missing metadata.

# Installing the LUCI ActiveX Interface (LUCI)

To install LUCI:

- 1. In the Navigation panel, click the **Install** link, below **LUCI.** If the Chyron MOS Server 1.9 Installation Utility page is not open, see "Getting Started" on page 5.
- 2. The File Download Security Warning dialog box appears. Click on **Run**. The Internet Explorer Security Warning dialog box appears. Click on **Run**.
- 3. The LUCI InstallShield Wizard Preparation window is displayed. LUCI Setup automatically prepares for installation.
- 4. The LUCI Welcome screen (Figure 29) is displayed. Click on Next.

🔂 LUCI - InstallShield Wizard 🛛 🔀		
	Welcome to the InstallShield Wizard for LUCI	
	The InstallShield(R) Wizard will install LUCI on your computer. To continue, click Next.	
	WARNING: This program is protected by copyright law and international treaties.	
< Back Next > Cancel		



5. The LUCI Configuration window (Figure 30) opens. Enter the CAMIO Server name. This is the computer that is contacted by any instance of LUCI on the current computer, regardless of which application has launched it (e.g., ENPS, iNEWS, or Chymox.html). This value can be modified by uninstalling and reinstalling LUCI, or by modifying the Host value contained within the Chymox.ini file. The Chymox.ini file is created in the folder where LUCI is installed. Click **Next**.

🔀 LUCI - InstallShield Wizar	d	X
CAM	ю	
InstallShield		
	<back next=""></back>	Cancel

Figure 30 LUCI Configuration

6. The Ready to Install window (Figure 31) opens. Click Install.

🔀 LUCI - InstallShield Wizard	X
The wizard is ready to begin installation.	
Click Install to begin the installation.	
If you want to review or change any of your installation settings, click Back. exit the wizard.	Click Cancel to
InstallShield < Back Install	Cancel

Figure 31 Ready to Install

- 7. The Installing LUCI window is displayed briefly, and installation starts.
- 8. When installation is complete, the InstallShield Wizard Completed window (Figure 32) is displayed. Click **Finish**, to exit the Wizard.
- 9. Proceed to "CAMIO Admin Tool" on page 29; follow the directions provided there.



Figure 32 InstallShield Wizard Completed Window

# CAMIO Admin Tool

### Overview

The CAMIO Admin Tool is used to view reports of various assets and administer the configuration of the CAMIO Server, Contexts, Users, and more.

Not all CAMIO Admin Tool functions are described in this guide. Only those functions listed below, which are essential in setting up and using the MOS system, are covered.

- CAMIO MOS Management
- CAMIO Context Management
- CAMIO User Administration
- CAMIO Device Management

# **Getting Started**

#### OPENING THE CAMIO ADMIN TOOL

To open the CAMIO Admin Tool:

- Open an Internet browser, and then enter http://<CAMIO\_SERVER>:8080/CAMIO/Diagnostics/, where <CAMIO\_SERVER> is the name of the CAMIO Server. The CAMIO Admin Tool Sign In window (Figure 33) is displayed. Upon initial entry, the user is prompted to log in. Depending on the security levels of your internet browser, you may need to add the Chyron MOS server as a trusted site in the Internet settings of your browser. To do this:
  - a. From the Internet Browser menu, select **Tools>Internet Options**. The Internet Options dialog box opens.
  - b. Select the Security tab. Click on Trusted sites.
  - c. Click on Sites. The trusted sites dialog box is displayed.
  - d. Enter the following URL: http://<CAMIO\_SERVER>.
  - e. Uncheck the **Require sever verification (https) for all sites in this zone** check box.
  - f. Click Add.
  - g. Close the Trusted sites and Internet Options dialogs.
- 2. Enter admin (initial default user name) in the User field.
- 3. Enter **admin** (initial default password) in the **Password** field. The password should be changed, for added security.

4. Click on Sign In!. The CAMIO Admin Tool Utility screen (Figure 34) is displayed.

File Edt Vew Favorites Tots File   Image: Section of the section of	CAMIO Login - Microsoft Internet Explorer	
	File Edit View Favorites Tools Help	A
Addres http://localhost:s000/wspace/login.tsp?goto=/CAMIO/Diagnostics/index.tsp? C C Unic <sup>2</sup> Co Unic <sup>2</sup> C C Unic <sup>2</sup> C C C C C C C C C C C C C C C C C C C	😋 Back 🔹 💿 👻 😰 🏠 🔎 Search 👷 Favorites 🚱 🙆 - چ 🔳 - 🛄 鑬 🥸	
The for the former of the form	Address 🕘 http://localhost:8080/wspace/login.tsp?goto=/CAMIO/Diagnostics/index.tsp?	nks » 📆 🔹
🙆 Done 🔍 Local intranet ,	User admin Pasword IIII Sign InI V1,9,7,6	
	Done Local intr	anet .:

Figure 33 CAMIO Admin Tool—Sign In



Figure 34 CAMIO Admin Tool Utility

5. After opening the CAMIO Admin Tool, go to "CAMIO MOS Management" on page 32 and follow the directions provided there.

# **CAMIO MOS Management**

Using the CAMIO MOS manager, NCS servers, backup NCS servers, Playlist Defaults, and other settings may be configured.

To access the CAMIO MOS Manager:

- 1. Start the CAMIO Admin Tool. See "Getting Started" on page 29.
- 2. Select **MOS** from the left navigation panel, under the heading Administration. The MOS Management page (Figure 35) opens in the simple view. In most cases, the simple view is sufficient for configuring MOS. In some instances, however, it may be necessary to access the Advanced View for more comprehensive configurations. See "ADVANCED VIEW" on page 33.

🗿 Chyron - CAMIO Admin I	Pages - Microsoft Internet Explorer	
File Edit View Favorites	Tools Help	<b>#</b>
G Back 🔹 🕥 🕤 💌	😰 🏠 🔎 Search 🤺 Favorites 🚱 🔗 - 🌺 🔟 - 🛄 鑬 -	3
Address 🛃 http://localhost:808	80/CAMIO/Diagnostics/index.tsp?	Go Links » 🔁 •
Context Administration Administration Administration Administration Device Context Group License Log Viewer Mime Type MOS Options Scripts Trutee User	camio MOS Management         Welcome to the camio MOS manager. (Click here for help)         (Show Advanced)         Server Type: (2)         NCS ID: (2)         NCS Server: (2)         (NEWSGW)	
v 1, 9, 7, 8	Backup NCS Server: INEWSGW	
	Submit	
8		Scoral intranet

Figure 35 MOS Management Page

- 3. Select the Server Type, from the Server Type drop-down list box.
- 4. Enter the computer name of the Chyron MOS Server in the MOS ID field. If this field is left blank, CAMIO Server assumes that the MOS ID is the same as the CAMIO Server name.
- 5. Enter the NCS ID of the ENPS NCS Server or the iNEWS Gateway Server. If this field is left blank, CAMIO Server assumes that the NCS ID is the same as the NCS Server name. This field should duplicate the entry in the NCS Server field for INews. For ENPS this field should indicate the name assigned to the Chyron MOS Server in the MOS Configuration of ENPS.

- 6. Enter the Hostname or IP Address of the ENPS NCS Server or the iNEWS Gateway Server in the **NCS Server** field.
- 7. Enter the Hostname or IP Address of the backup NCS Server in the **Backup NCS Server** field.
- 8. Click the **Submit** button, to save settings.
- 9. After completing the above items (including those items in the Advanced View, if necessary), proceed to "CAMIO Context Management" on page 39; follow the directions provided there.

#### ADVANCED VIEW

The Advanced View (Figure 36) provides additional setup options. To access the Advance View, click (Show Advanced)— see Figure 35.

Unicode: (?)			
Persistence Mode: (?)	No Persist 💌		
MOS Abstract: (?)	%s %m(%t)		
Slug: (?)	%s - %m(%t) %0 %	1 %2	
Running Order: (?)	Auto Sync 🔽		
Default Edit New: (?)	false 💌		
Default Edit Replace: (?)	false 🗸		
roChannel Override: (?)	true 💌		
Socket Persistence: (?)	true 💌		
Playlist Defaults			
Name	Value	Width	Index
Control: (?) Dela	у 💌	50	1
Parameter: (?)		30	0
Channel: (2) 1	*	30	2
Effect (2) Cut	~	60	3
File Name: (?) file n	ame	60	4
Page (?) %(/	storyNum}	40	5
Slug (?) %g %	%s	100	6
0		30	0
0		30	0
Asset Details			
Messages: (?) Title	e: %T\nAuthor: %A\nE	)	
Images : (?) Title	e: %T\nAuthor: %A\nE	)	
Videos : (?) Title	e: %T\nAuthor: %A\n[	)	
Running Orders: (?) Abs	stract: %T\n\nStory #.	•	
Auxiliary Playback Ho	ost		
Hostname: (2)			
Port (2)			
XSL Stylesheet	0		
Submit			

Figure 36 Advanced View

Refer to the tables shown below, for a description of the Advanced View options.

Parameter/Setting/ Function	Description	
Unicode	If <b>Unicode</b> is selected, CAMIO will support non-Latin language environments.	
Persistence Mode	Specifies if the <b>Running Order</b> should persist between CAMIO Server restarts.	
	<ul> <li>If Persist is selected, the Running Order persists when the CAMIO Server is restarted.</li> <li>If No Persist is selected, the Running Order does not persist when the CAMIO Server is restarted.</li> </ul>	
MOS Abstract	Specifies the format for the <b>MOS Abstract</b> as shown in a <b>Script</b> . See "ASSET FORMATTING" on page 36.	
Slug	Specifies the format for the <b>Slug</b> as shown in the code that describes the <b>MOS Object</b> . See "ASSET FORMATTING" on page 36.	
Running Order	Specifies whether or not CAMIO will try to synchronize itself with the configured <b>MOS Server</b> .	
	<ul> <li>If Auto Sync is selected, CAMIO will automatically try to synchronize itself with the configured MOS Server.</li> <li>If Manual Sync is selected, CAMIO will not automatically try to synchronize itself with the configured MOS Server.</li> </ul>	
Default Edit New	Sets the default when editing a previously created Chyron MOS Object to save the changes to a new page. The original file will not be overwritten with the modification.	
Default Edit Replace	Sets the default when editing a previously created Chyron MOS Object to save the changes to the original message number, overwrit- ing the original permanently.	
roChannel Override	Specifies if roChannel overrides itemChannel in the <b>roCreate</b> or <b>roReplace</b> MOS message. Selecting <b>True</b> will cause roChannel to override itemChannel.	
Socket Persistence	Specifies if the socket connection initiated by CAMIO with the NCS server is kept active. Selecting <b>True</b> maintains the socket connection.	
<b>Playlist Defaults</b> : The Playlist Defaults, described below, determine how messages played to Air from the Playlist are to be executed. The Playlist Defaults also specify accompanying information about the messages that are displayed in the Playlist. The Width column specifies the width, in pixels, of the column displaying the specified information. The Index column specifies the position of the column within the Playlist, starting from the left. A value of 0 indicates that the column is hidden, but does not affect how the Default setting is applied. For example, the Parameter column can be set to not display; however, any Parameter that is specified is still applied to the Control.		
Control	Specifies the default Playlist Control. The Control determines the trig- ger that sends the message to Air.	

#### MOS MANAGEMENT ADVANCED VIEW

#### MOS MANAGEMENT ADVANCED VIEW

Parameter/Setting/ Function	Description
Parameter	Specifies the default Playlist Parameter for the specified Control. For example, if a delay is specified, the Parameter could be 00:00:00:15, indicating that there should be a half-second delay before the message plays to Air. Not all Controls have an accompanying Parameter.
Channel	Specifies the default channel in which the messages in the Playlist should play to Air.
Effect	Specifies the default effect to be applied to the messages in the Play- list when they play to Air.
File Name	This is a read-only field that can be displayed in the Playlist. It identi- fies the file name and filepath of the message.
Page	Page is a dynamic Playlist field. The specified name is used as the column header name and the Value field reflects the format used to calculate the values for the column's data. See "ASSET FORMAT-TING" on page 36.
	The settings shown in the figure are suited for ENPS. The following is a recommended setting for iNEWS:
	%["([^@]*) *@ *(.*)" "%{/storySlug}" "\\1"]
	The ampersand represents the story or page delimiter in the iNEWS Gateway mosconfig.xml file.
Slug	Slug is a dynamic Playlist field. The specified name is used as the column header name and the Value field reflects the format used to calculate the values for the column's data. See "ASSET FORMAT-TING" on page 36.
	The settings shown in the figure are suited for ENPS. The following is a recommended for iNEWS:
	%["([^@]*) *@ *(.*)" "%{/storySlug}" "\\2"]
Blank Fields	These are dynamic Playlist fields. The specified names are used as the column header names and the Value fields reflect the format used to calculate the values for the columns' data. Formatting is covered following this table.
Asset Details (reflected in	LUCI). The <b>Asset Defaults</b> are described below.
Messages	Specifies the format for the Asset Details of the Messages. See "ASSET FORMATTING" on page 36. This is how the details of the asset will be displayed in the LUCI Plugin.
Images	Specifies the format for the Asset Details Images. Formatting is cov- ered following this table. This is how the details of the asset will be displayed in the LUCI Plugin.
Videos	Specifies the format for the Asset Details Videos. Not currently imple- mented. This is how the details of the asset will be displayed in the LUCI Plugin.

#### MOS MANAGEMENT ADVANCED VIEW

Parameter/Setting/ Function	Description	
Running Orders	Specifies the format for the Asset Details Running Orders. See "ASSET FORMATTING" on page 36. This is how the details of the asset will be displayed in the LUCI Plugin.	
Auxiliary Playback Host: Running Orders can be sent to an Auxiliary Playback system. Informa- tion regarding the system is specified in the Auxiliary Playback Host settings. The Auxiliary Playback Host items are described below.		
Hostname	Specifies the Hostname or IP Address of the Auxiliary Playback System that is sent the Running Orders.	
Port	Specifies the Port on the Auxiliary Playback System that listens for Running Order updates. Note that the Port on the Auxiliary Playback System must be set to receive the Running Order updates.	
XSL Stylesheet	Stylesheet that specifies an XSL Translation that converts the Run- ning Order XML before it is sent to the Auxiliary Playback System.	

#### ASSET FORMATTING

The information displayed about an asset in LUCI is determined by the formatting set in the **Asset Details** section of the CAMIO MOS Manager (Advanced View must be selected to access the **Asset Details** section).

The identifier for a data element always starts with a % sign. The following table provides the format strings for the data elements.

Format String	Data Element
%Т	The Title of the asset
%A	The Author of the asset
%D	The Description (comments) of the asset
%K	The Keywords of the asset
%F	The Filename of the asset
%S	The Subject of the asset
%Р	The Asset Class Moniker of the asset. Every asset belongs to an Asset Class, which is a virtual directory folder for assets. The virtual directory tree exists in the Lyric database (*.mdb) file, and can be viewed or browsed through Chyron's AssetManager tool. The Asset Class Moniker is simply the user-friendly name of the virtual folder.

#### FORMAT STRINGS

The information displayed in the Playlist, MOS Abstract (the code that specifies the MOS Object in a Script), and Slug (the code that specifies the MOS Object) is determined by the formatting set in MOS Administration. The identifier for a data element always starts with a % sign. The following table provides the format strings for the data elements.

Format String	Data Element	
%m	The message number of the MOS Object.	
%t	The Filename of the Template Description Message upon which the MOS Object was created.	
%s	The exact Slug as entered by the user in the Slug input field in the LUCI.	
%0	The Object ID of the MOS Object.	
%g	The story Slug of the MOS Object.	
%%	An explicit percent (%) character.	
%0	The first text field's text data in the MOS Object content.	
%1	The second text field's text data in the MOS Object content.	
%2	The third text field's text data in the MOS Object content.	
%3	The fourth text field's text data in the MOS Object content.	
%4	The fifth text field's text data in the MOS Object content.	
%5	The sixth text field's text data in the MOS Object content.	
%6	The seventh text field's text data in the MOS Object content.	
%7	The eighth text field's text data in the MOS Object content.	
%8	The ninth text field's text data in the MOS Object content.	
%9	The tenth text field's text data in the MOS Object content.	
%*	Same as "%0 %1 %2 %3 %4 %5 %6 %7 %8 %9".	
%( ### %.)	Repetitively emits the text content in between the opening and closing paren- theses, once for each piece of text data in the MOS Object content, where the current iterative text data replaces the "%". For example, if the MOS Object's text data are as follows: Transit Strike Monday, November 24, 2003 City Hall Then the resulting text is as follows:	
	### Transit Strike ### Monday, November 24, 2003 ### City Hall	
%.	Used in conjunction with %(). See %( ### %.) above.	

#### FORMAT STRINGS

#### FORMAT STRINGS

Format String	Data Element
%(%.)(15)	Similar to the above %(), but places a maximum iterative limit. In this example, the iterated text cannot exceed fifteen, even if there are sixteen or more pieces of text data in the MOS Object.
%{relative xpath notation}	The text content of the Running Order's MOS XML's <rocreate> tree's XML element specified by the relative xpath notation. The xpath notation is relative to the <item> element of the element tree. For example, to display the Story Number associated with the MOS Object item, the xpath notation would be:/storyNum</item></rocreate>

# **CAMIO Context Management**

#### OVERVIEW

Resource Contexts, also referred to as Contexts, provide groups of assets available in LUCI. These contexts are available from the drop down menu in the templates and images tabs of LUCI. Contexts are generally created to separate content of Different styles (i.e. different look news supers - morning news and evening new looks, but can also be used to group content available to specific individuals - weather and sport contexts). Typically, these are databases configured by Lyric Browsers on the Chyron MOS Server machine.

	NOTE
--	------

The graphics and template messages in these Contexts can be viewed, edited, shared and copied among the various systems linked to CAMIO via CAMIO's Admin tools or Asset Manager. Chyron recommends that the management of contexts be performed from the Asset Manager, once the Context has been created in the Admin Tools.

#### PRELIMINARY

1. Start the CAMIO Admin Tool utility (Figure 37). See "Getting Started" on page 29.





2. Select Context from the left navigation panel, under the heading Administration. The Context Manager (Figure 38) opens in the simple view. The simple view is sufficient for creating and editing Contexts, in most cases. However, in some instances it may be necessary to access the advanced view for more comprehensive configurations. To access and work with the advanced view, see "ADVANCED VIEW" on page 43.

#### NAMING the NEW CONTEXT

1. Select New Context from the Select Context drop-down list box.

e Edit View Favorites Tools	Help
🕽 Back 🔹 🕥 · 💌 😰 (	🏠 🔎 Search 🤺 Favorites 🤣 😥 - 🌺 🔟 - 🛄 🇱 🦓
dress 👌 http://localhost:8080/CAMI	(0/Diagnostics/index.tsp?
Camin	
MUKON	
Admin Tool	ramin
Reporting	Eenne
Assets	
MOS Cache	
MOS Objects	camio Context Management
Running Order	Welcome to the second Context wavevery (CBa) have factually
Administration	vielcome to the <b>canno</b> Context manager. (Chick here for help)
Device	Select Context New Context Y (Show Advanced)
Context	
License	
Log Viewer	Context Name: (2)
Mime Type	
Options	Browser DSN: (2)
Scripts	Current Msg Number: (2)
Trustee	Channel Assignments: (?)
USEr	Virtual Ch. Plays On Physical Ch. On Device Delete
Logout	Warning: The default (*) virtual channel has not been assigned. Objects with no assigned channel are not available for plavback.
v1,9,7,6	Add: V -> V Add
	Description: (2)
	Create Context V Submit

Figure 38 CAMIO Context Manager

2. Enter the name for the new Context in the Context Name field. The Context Name is used as a "Directory Namespace". The Context Name must begin with a letter and may include underscore characters and a single dash but no spaces. When a new Context Name is entered, the Browser DSN field is automatically populated with a browser having the same name as the Context Name. This only occurs on initial data entry and can be changed to a different browser prior to submitting the new Context.

J NOTES
When creating a new context with a new browser, the browser will not automatically be created by CAMIO. This must be performed as a separate step in the creation of a new context, before any assets can be loaded to this new context. This browser must be built in Lyric on the Chyron MOS Server.

The Context Name may not be changed after being submitted. To change a context to reference a different browser, the context must be deleted and recreated with the new browser dns.

#### CURRENT MSG NUMBER COUNTER

The value of the Current Msg Number counter is automatically initialized to 0, but can be changed to start at some arbitrary value. Before changing this value, note the following:

	NOTES
--	-------

When the completed messages are sent to the output device, they are sent to a folder (of the same name) in the path set up using the Device Manager (see "Device Management" on page 39). If the type of composition is set to **Template Data**, then the original template messages are sent to this folder on the output device, along with the created MOS Object Template data) messages. Since the created message and template messages are sent to the same folder, it is recommended that the current message number be set to a value higher than any of the template message numbers, so that they are not overwritten by created MOS Object Messages.

Each time a new MOS Object is generated, it is automatically assigned the value of the Current Msg Number + 1. This is automatically reflected in the Current Msg Number field.



The Current Msg Number is specified only on initial setup of the Context. Once the initial setup is submitted, this number can no longer be changed. This is done to prevent the unintended overwrite of existing MOS Objects.

#### ASSIGNING VIRTUAL CHANNELS

Before assigning a virtual channel, it is important to assign a wild-card ("\*") virtual channel. A wild-card virtual channel is used when a message has no default channel assigned or the channel that has been assigned to a message is not configured in the Context menu. A wild-card virtual channel will route these messages to whatever playout device and physical channel is assigned to the wild-card virtual channel.

🚽 ΝΟΤΕ	
--------	--

If no wild-card virtual channel is assigned, a warning message will be displayed when the context is submitted.

#### To assign a wild-card virtual channel:

- a. Select the "\*" virtual channel from the Virtual Channel drop-down list box.
- b. Select the desired physical channel from the Physical Channel drop-down list box.

P	NOTE
Z	NOTE

See "CAMIO Device Manager" on page 50, for detailed information on setting up playout devices.

- c. Select a playout device from the **Device** drop-down list box.
- d. Click on **Add**. Note that the Channel Assignments area displays these selections. Figure 40 shows how typical channel assignments might look.



Figure 39 Assigning Channels





To assign a virtual channel:

- a. Select a virtual channel from the Virtual Channel drop-down list box.
- b. Select the desired physical channel from the Physical Channel drop-down list box.

|--|

See "Device Management" on page 39, for detailed information on setting up playout devices.

- c. Select a playout device from the **Device** drop-down list box.
- d. Click on **Add**. Note that the Channel Assignments area displays these selections. Figure 40 shows how typical channel assignments might look.

Deleting Channel Assignments — Channel assignments can also be deleted.

To delete one or more channel assignments, refer to Figure 40 and perform the following steps:

a. Click on the **Delete** check box of each channel assignment to be deleted.

- b. Click Delete.
- c. Select Update Context from the Context drop-down list box.
- d. Click on Submit, to update the Context.

#### **ENTERING a DESCRIPTION**

Enter a description (optional) of this context's configuration and content in the **Description** field.

#### CREATING the CONTEXT

a. Select Create Context from the Context drop-down list box.

	NOTE
--	------

The Context Name may not be changed after being submitted.

b. Click on Submit, to create a Context based on the settings you entered.

After completing the above items (including those items in the Advanced View, if necessary, proceed to "CAMIO User Administration" on page 45; follow the directions provided there.

#### ADVANCED VIEW

To display the Advanced View, click on (Show Advanced), located to the right of the Select Context drop-down menu. The Advanced View is shown in 41. Note that the blue arrows indicate the Advanced View items.

Enabled: (?)	$\checkmark$	
Context Name: (?)		
Browser DSN: (?)		
Current Msg Number: (?)	0	
Channel Assignments: (?)	Virtual Ch. Plays On Physical Ch. On Device	Delete
	Warning: The default (*) virtual channel has not been assigned. Objects with no assigned channel are not available for playback.	Delete
	Add: 💌 🛶 🔽 🔽 Add	
Main Volume Path: (?)		
Composition Type: (?)	Lyric Data	
Running Order: (?)		



The following table provides a description of Advanced View items.

#### ADVANCED VIEW ITEMS

ltem	Description	
Enabled button	Click this button to Enable/disable this Context.	
Main Volume Path field	Enter the local filesystem path to this Context's repository in this field. This is the path where objects added to the context through Asset Manager will be stored on the Chyron MOS Server. This is usually set to c:\Camio\[context name], but can be changed by entering a new file path.	
Composition Type drop-down list box	Select the type of information contained in this Context from the following items provided in the drop-down list box:	
	<b>Lyric Data</b> - Lyric Data Messages always reference, on playout, the orig- inal template from which they were created. When these assets are sent to the output device, the original template messages are also sent to the output device. Lyric template messages generally have a much smaller file size and are therefore more efficient in the CAMIO file transfer pro- cess.	
	<b>Lyric Composition</b> - Lyric Composition files are completed Lyric graphics with no reference to the original file from which they were created. They generally have a much larger file size than Lyric Data messages.	
	<b>Lyric Macro</b> - A Lyric Macro is a VB Script Macro that is saved as a *.lyr file. Refer to Lyric Online Help, for additional information on using Macros in Lyric.	
Running Order field	Specifies to which Running Order(s) the Context is restricted access. If the Running Order field is left blank, the Context is available to all Running Orders.	
	For example, when the Context is displayed in the LUCI ActiveX Interface in the newsroom application, only the Running Order(s) listed in the Run- ning Order field for the specified Context in CAMIO Context Administra- tion are displayed in the LUCI ActiveX Interface.	

# **CAMIO User Administration**

User Administration specifies user access to the CAMIO Server. Users can be created, updated and deleted. Users can be added to or removed from Groups, and can be given access to specified Contexts.

#### PRELIMINARY

1. Start the CAMIO Admin Tool utility (Figure 42). See "Getting Started" on page 29.



Figure 42 CAMIO Admin Tool Utility

2. Select **User** from the left navigation panel, under the heading **Administration**. The User Manager (Figure 43) opens.

#### CREATING a NEW USER

To create a new user:

1. Enter a User Name in the **User Name** field. If you have tried to access LUCI from your newsroom system and have received a "Please contact you system administrator for access to LUCI Contexts" message then your name should already exist in the User List. It will have no settings, and will need to be configured.

Pie Edit Vew Pavarites Tools Help   Image: Deck + O + O + O + O + O + O + O + O + O +	🗿 Chyron - CAMIO Admin I	Pages - Microsoft Internet Explorer	
Rest Image: Control   Reporting   Market Biological and the carried User manager. (Click here for help)   Dest	File Edit View Favorites	Tools Help	<u>A</u> *
Address in https://focahostic000/CAMUQDagnostics/index.tsp?	🔇 Back • 🕥 • 💌	🗟 🏠 🔎 Search 🤺 Favorites 🚱 🔗 嫨 📝	• 🗔 🛍 🦓
Admin Tool   Area or and the standard of the s	Address 🛃 http://localhost:808	0/CAMIO/Diagnostics/index.tsp?	🔁 Go Links » 📆 🔹
Reporting   Markets   Markets <td>Admin Tool</td> <td>camio</td> <td><u>^</u></td>	Admin Tool	camio	<u>^</u>
Administration         Davies         Contexts         Contexts         Contexts         Contexts         Select User:         Wermanne:         Options         Seriet         User         User         User         User         User         User         User         User         User         All Groups:         All Contexts:         Playback Rights To:         Browser         CAMIO_Admins         Videos Tab:         Default          Videos Tab:         Default          State User	Reporting Assets MOS Cache MOS Objects Running Order	carnioUser Management	
Select User: New User Select User: New User Mines Type MOS Options Select User: New User Username: Username: Oescription: Co All Groups: Member of Group(s): Browser CAMID_Admins << All Contexts: Playback Rights To: Browser CAMID_Admins <	Administration	Welcome to the camio User manager. (Click here for help)	
Mine Type       Username:         Optione       O         Scription:       O         User       Description:         Username:       O         Legout       All Groups:         All Groups:       Member of Group(s):         Browser       >>         CAMIO_Admins       <	Device Context Group License Log Viewer	Select User. New User	
User   Legout   (2)      All Groups: Member of Group(s):   Browser   CAMIO_Admins   All Contexts: Playback Rights To:   Browser   (2)   LUCI Configuration   Images Tab:   Default    Videos Tab:   Default    Asset Details:   Default    Create User    Submit	Minne Type MOS Options Scripts Trustee	Usemame:	
Legout          All Groups:       Member of Group(s):         Browser       >>         CAMIO_Admins       >>         All Contexts:       Playback Rights To:         Browser       >>         <	User	Description:	
All Groups: Member of Group(s): Browser CAMIO_Admins <<	Logout		
CAMIO_Admins	v 1, 9, 7, 8	All Groups: Member of Group(s): Browser	
All Contexts:       Playback Rights To:         Browser       >>         <		CAMIO_Admins	
All Contexts: Playback Rights To: Browser >> CCC Configuration Images Tab : Default V Videos Tab : Default V Running Orders Tab : Default V Asset Details: Default V Create User V Submit		<<	
Browser     >>       <		All Contents' Playback Rights To	
LUCI Configuration Images Tab : Default V Videos Tab : Default V Running Orders Tab : Default V Asset Details: Default V Create User V Submit		Browser	
LUCI Configuration         Images Tab :       Default          Videos Tab :       Default          Running Orders Tab :       Default          Asset Details:       Default          Create User        Submit			
LUCI Configuration Images Tab : Default Videos Tab : Default Videos Tab : Default Videos Tab : Default V Running Orders Tab : Default V Asset Detaills: Default V Create User V Submit		<<	
Images Tab : Default V Videos Tab : Default V Running Orders Tab : Default V Asset Detaills: Default V Create User V Submit		LUCI Configuration	
Videos Tab : Default V Running Orders Tab : Default V Asset Detaills: Default V Create User V Submit		Images Tab : Default 💌	
Running Orders Tab : Default v Asset Details: Default v Create User v Submit		Videos Tab : Default 💌	
Asset Defails: Default V Create User V Submit		Running Orders Tab : Default 🚩	
Create User 💙 Submit		Asset Details: Default 💌	
		Create User 💙 Submit	
Local intranet	<u>କ</u>		Second intranet

Figure 43 CAMIO User Manager

- 2. Enter descriptive information (optional) about the User.
- 3. Select a group from the **All Groups** list box and add it to the **Member of Group(s)** list box. Groups are set in the Group Administration page.

4. Select a Context, from the **All Contexts** list box, and add it to the **Playback Rights To** list box. Contexts are set in the Context Administration page. From the Context(s) in this list box, the User can play back Template Data Messages in a Running Order.

#### LUCI CONFIGURATION

The LUCI Configuration specifies which tabs/asset details in the LUCI ActiveX Interface in iNEWS or ENPS are visible and therefore accessible to the specified User. See Figure 44.

#### LUCI Configuration

Images Tab :	Show	*
Videos Tab :	Default	~
Running Orders Tab :	Show	*
Asset Details:	Default	*



There are four tab/information categories. Each one is described in the **Categories** table shown below.

#### CATEGORIES

Images Tab	Shows the Image assets for the selected Con- text. If this is not set to <b>Show</b> , then image sub- stitution will be disables in LUCI.
Videos Tab	Shows the Videos assets for the selected Con- text. Not currently implemented.
Running Orders Tab	Shows the Running Orders.
Asset Details	Shows Asset Details, including 2D Text and Object Template fields, for the selected asset.

Three settings (selectable from each of the associated drop-down list boxes) are available for each of the above categories. Each one is described in the **Settings** table shown below.

#### SETTINGS

Default	The User is shown the tab/asset details, as set for the default User named CAMIO, that is set in this page.
Show	The tab/asset details are displayed and accessible to the User.
Hide	The tab/asset details are hidden and inaccessible to the User.

Make your selections, based on the information provided above. Note that a default User named CAMIO can be created from which settings for other Users can be based. To create the Default

User named CAMIO, select **Default** for each of the categories (Images Tab, Videos Tab, Running Orders Tab, Asset Details). When done,

- a. Select Create User, from the drop-down list box to the left of the Submit button.
- b. Click on **Submit**, to create a User based on the specified settings. This choice is available only when **New User** is selected in the **Select User** drop-down list box.

After completing the above items, proceed to "CAMIO Device Management" on page 49; follow the directions provided there.

# **CAMIO Device Management**

#### PRELIMINARY

- 1. Start the Camio Admin Tool utility (Figure 45). See "Camio Admin Tool Utility" on page 49.
- 2. Select **Device** from the left navigation panel, under the heading **Administration**. The CAMIO Device Manager (Figure 46) opens.



Figure 45 Camio Admin Tool Utility

#### SPECIFYING the DEVICE

- 1. Select New Device from the Select Device drop-down list box.
- 2. Enter a Device Name in the Device Name field. When a Device Name is entered, the Playout Folder field is automatically populated with the name of the folder on the Playout Hostname system where the rendered Template Data Messages are saved. The Playout hostname does not have to match the computer name, which will be defined in the Playout hostname. This is how the machine will be referenced in the Context menu channel assignment fields.



The Playout Folder, to which the Template Data Messages and images substituted in LUCI are saved on the playout system, must be specified as Shared. LUCI will automatically send the template description messages to this playout folder.

Chyron - CAMIO Admin F	Pages - Microsoft Internet	Explorer	E C	
File Edit View Favorites	Tools Help			<b>1</b> 1
🕝 Back 🔹 🕥 - 💌	💈 🏠 🔎 Search 🤸	Favorites 🚱 🍰 🤯 🛛 🕞 🎇	-8	
Address 🙋 http://localhost:808	)/CAMIO/Diagnostics/Index.tsp?		🖌 🔁 Go 🛛 Links 🎽 🐔	-
Admin Tool Reporting Assets MOS Cache	can	nio		~
MOS Objects Running Order	camio Device Management			
Administration Device Context Group License Log Viewer	Welcome to the <i>camio</i> Device Select Device: New Devic	e manager. (Click here for help) 19 Y		
Mime Type MOS Options Soripts Trustee User	Device Name: (2) Playout Hostname: (2)			
Logout	Playout Folder: (2)			
v1.0.7.8	Playout Drive Mapping: (2)	J		
	Channels: (?)	1 V Delete		
	Socket Port: (2)	10542 Create Device V Submit		
		view.cache		
				~
😂 Done			Scal intranet	

Figure 46 CAMIO Device Manager

- 3. Enter the Playout Hostname in the **Playout Hostname** field. The Playout Hostname is the computer name of the playout device.
- 4. Select a drive letter, from the **Playout Drive Mapping** drop-down list box, to specify the drive mapping Lyric messages use to reference images on the playout device. Note that the drive mapping should equal the playout hostname and folder.

#### SELECTING PHYSICAL CHANNELS

The physical channels supported by this device are specified using the **Channels** drop-down list box.

#### To add a channel:

- a. Enter a channel number in the Channel Number field.
- b. Click Add.

#### To delete a channel:

- a. Select the channel to delete from the drop-down list box.
- b. Click Delete.

#### SELECTING the SOCKET PORT NUMBER

Locate the **Socket Port** field. The port number is set to 10542. This setting must match the Port configuration set in the playout system's Lyric XML plugin port configuration for the XML Listener.

#### **CREATING the DEVICE**

- 1. Select **Create Device** from the drop-down list box next to the **Submit** button.
- 2. Click Submit.

#### VIEWING the CACHE

Click <u>view cache</u>, to view the device cache for the selected device.

### **Completing Required Tasks**

Proceed to "APPENDIX A: Chyron MOS Checklist" on page 52, and ensure that all required settings and conditions have been made.

# **APPENDIX A: Chyron MOS Checklist**

The Chyron MOS system is complex and requires specific settings to be in place. The following is a list of the major required settings and conditions that enable Chyron MOS to work smoothly.

#### **On the CAMIO Server System**

- The correct Server Type (iNEWS or ENPS) must be selected.
- The correct Playout Hostname (name or IP Address of the playout system) must be entered. See "CAMIO Device Manager" on page 50.
- A User must be set up in order to view Contexts and create MOS Objects in LUCI. See "CAMIO User Administration" on page 45. A User can be added to a Group. See "CAMIO User Administration" on page 45.
- The fonts used to create the Template Description Messages, on which the Template Data Messages are built must be resident on both the CAMIO Server and the playout device.
- There must be a complete set of the Template Description Messages, on which Template Data Messages are to be built, resident on the CAMIO Server and on any playout system which will be generating the Template Data Messages. Camio pushes the template base pages to the output devices (it is not recommend that base templates be manually pushed to the output devices).
- Template Description Messages must be saved in a version of Lyric that has the XML plugin configured, before they become valid context messages. If they have not been saved with XML an error message will be displayed noting "Invalid XML".

#### On the Newsroom NCS Server

**ENPS NCS Server** 

 The CAMIO Server system must be recognized as a MOS Server by the ENPS NCS Server, before the LUCI ActiveX Interface can be accessed. This is done in the MOS Configuration menu of ENPS (only available to administrators of ENPS).

iNEWS Gateway Server

• The CAMIO Server system must be recognized as a MOS Server by the iNEWS NCS Server before the LUCI ActiveX Interface can be accessed.

#### On the Newsroom Client

ENPS Newsroom Computer System Client (for ENPS Users)

- The user must be added to ENPS MOS Administration and as a Staff member.
- The Properties of the selected Rundown must be set in ENPS so that On Air and MOS Control Active are active.
- Ready to Air must be active in ENPS for a Rundown for it to be sent to the playout system.

iNEWS Newsroom Computer System Client (for iNEWS Users)

- The user must have access to the Rundown on which he/she is to work.
- Save Story and Monitor Load must be performed in iNEWS in order to send a new or updated Rundown to the playout system.

#### On the Playout System

- The Duet output devices should use the same Username and password used on the CAMIO Server, to ensure that all content will be seamlessly transferred to the output device without any user authorization /login errors. This accommodates file sharing requirements.
- The correct Playout Hostname (name or IP Address of the playout system) must be entered using CAMIO Context Management. See "CAMIO Context Manager" on page 40.
- The MOS and XML LEIFlets must be installed in the Plugins directory located in the same directory in which the Lyric application that is used for Template Description Message creation and playout is installed. Be careful not to install it in the incorrect Plugins folder if more than one version of Lyric is installed on a system.
- The Socket Listener Port setting must match the Socket Port setting in the CAMIO Device Manager See "Device Management" on page 39.
- The fonts used to create the Template Description Messages, on which the Template Data Messages are built, must be resident on both the CAMIO Server and the playout device.
- There must be a complete set of the Template Description Messages, on which Template Data Messages are to be built, resident on the CAMIO Server and on any playout system that will be generating the Template Data Messages.

# APPENDIX B: Running CAMIO Server

#### STARTING CAMIO SERVER WHEN INSTALLED as a USER APPLICATION

From the Windows **Start** menu, select **Programs > Chyron > CAMIO > ServiceBroker Server**. The ServiceBroker Server window (Figure 47) opens. When CAMIO Server is first started, it builds its directory database. This process may take several minutes to complete.

ServiceBroker Server is ready for use when "System Ready" is displayed in the ServiceBroker Server window.

Synchronizing Node(2); /ServiceBroker/ProtocolAdaptors Synchronizing Node(2); /ServiceBroker/ProtocolAdaptors/MOS Synchronizing Node(2); /ServiceBroker/ProtocolAdaptors/MOS Synchronizing Node(2); /ServiceBroker/ProtocolAdaptors/SMTP Synchronizing Node(2); /ServiceBroker/ProtocolAdaptors/Telnetd Synchronizing Node(2); /ServiceBroker/ProtocolAdaptors/HttpSOAP System Ready	
--	--



STARTING CAMIO SERVER WHEN INSTALLED as a SYSTEM SERVICE

The first time that CAMIO Server is started, it builds its directory database. This process may take several minutes to complete. To monitor completion of the database build, it is recommended, but not necessary, that CAMIO Server is started as a User Application. See above description.