

iSQ Version 2.2

Configuration and Operation Manual



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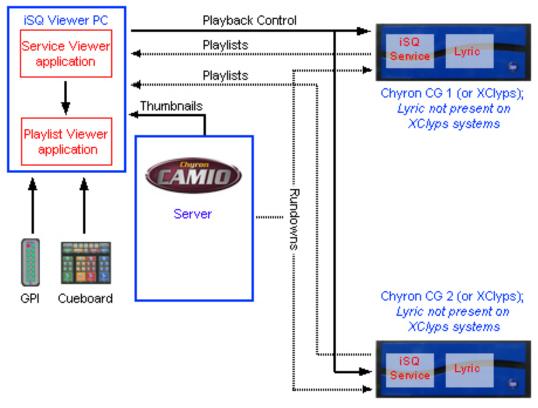
iSQ 2.2 Viewer and Service Configuration & Operation Manual



1. Introduction

The iSQ product consists of two software applications working in concert with Chyron's CAMIO graphics management system, and Chyron playout systems such as HyperX² and XClyps. Popular newsroom systems such as iNEWS or ENPS generate **Rundown** files, which are passed to the CAMIO server. CAMIO in turn passes rundowns along to iSQ and its connected playout devices. Additionally, the CAMIO server stores Lyric messages, graphics and video clips that will be required for output during the production. *iSQ and CAMIO work together to copy all required Lyric messages, graphics and video clips to storage on those output devices.*

Driven by its Rundowns, the **iSQ Service** application issues Cue, Play, Pause and Stop commands to the Lyric software running connected playout devices. Receiving Playlists from iSQ Service, the **iSQ Viewer** application runs on a standard PC to create a graphical interface for the iSQ operator. The interface displays a running order of Chyron device-related events in a production and generates thumbnails of Lyric messages scheduled for playout. Events in the running order are triggered by the operator, using iSQ's included **Cueboard**, a dedicated keyboard device customized for use with iSQ. iSQ Viewer can also trigger events from a standard keyboard, or by input from optional GPI hardware.





Software Components

- **iSQ Service**: The iSQ component which runs on Chyron systems such as HyperX² or LEX systems, controlling playout of Lyric messages. *Occasionally, this software is also referred to as the iSQ Server. (Chyron part number 7A00213.)*
- **iSQ Viewer** presents a user interface for playback control, and is a **client** of the iSQ Service. iSQ Viewer consists of the Service Viewer and Playlist Viewer software components. Optionally, iSQ Viewer connects with Chyron's Cueboard device, and can operate GPI boards installed on the system running the Viewer applications. *This software is also referred to as the iSQ Client. (Chyron part number 7A10213.)*
 - Service Viewer: This application allows the operator to select Running Orders and connect Playlists with specific output devices. Service Viewer also contains configuration settings for the iSQ Viewer display and operation. Note that the terms "Service Viewer" and "Viewer" will sometimes be used interchangeably.
 - Playlist Viewer: The interface on which the user monitors Playlists and controls playback.

Hardware

- **Output Device**: This term broadly refers to a Chyron graphics system, such as HyperX² or LEX². These systems necessarily run an installation of Lyric along with the iSQ Service. iSQ may also be used to control Chyron's XClyps system. For details on using iSQ with XClyps, contact Chyron Customer Service.
 - **Channel**: This terms refers to a single frame buffer within a Chyron graphics system (output device), or one frame buffer /output of an XClyps system.
- **Cueboard**: A custom keyboard used to control playback via the Playlist Viewer. Each Cueboard controls up to 4 channels. Cueboards are available in Channels 1-4 and 5-8 configurations. One Cueboard, configured for output channels designated 1-4 is included with each iSQ package.
- **GPI** boards (**optional**): iSQ Playback may be triggered by GPI events. Chyron offers a 24-bit GPI board from Measurement Computing or a 16-bit board by Contec, for installation in the PC running iSQ Viewer.

See Appendix 3 on Page 119 for part numbers and prices.

Important Terms

- **Rundown**: The newsroom computer system **file** listing the order of stories in a given production. These proprietary newsroom systems operate independently of any Chyron software or hardware, only passing Rundown information to CAMIO, which interprets such Rundowns to produce the Running Orders executed by iSQ.
- Running Order (also known as Playlist): A given production's sequence of events across multiple playout channels, comprised of Lyric message information and/or XClyps animation information. The Playlists contain information that will call up Lyric or XClyps messages used in the stories, and the required graphics and clips. Each iSQ Viewer can connect to multiple output devices, each with one or two channels. Note that most, if not all, Running Order documents contain the word "Rundown" in their filenames, reflecting their origin in an iNews or ENPS system.

Running Orders are filtered by CAMIO and sent to specific playout devices, such as HyperX², LEX/LEX² or XClyps systems, in an XML format known as *BMML*. These Chyron playout devices, in turn, present Playlists to the system running iSQ Service Viewer and the Playlist Viewer. These applications typically run on a customer-supplied Windows PC; see Appendix 5 on Page 120 for minimum system requirements.

• **Thumbnails**: Chyron's CAMIO software generates thumbnail representations of the Lyric messages that comprise iSQ's Playlists. iSQ can display thumbnails for cued messages and on-air messages for each output channel. Thumbnails for XClyps media are generated during the process of exporting assets to CAMIO.

2. iSQ Service Viewer Configuration

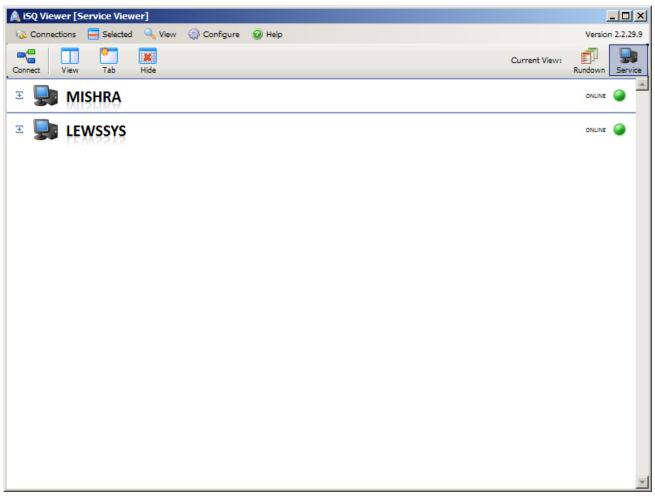


Figure 2. iSQ Viewer, shown connected to two output devices running iSQ Service.

To configure iSQ Service Viewer, launch the Viewer software, and click on the Config is button at the top of the Service Viewer window (Figure 2).

The **Configure iSQ Service Viewer** menu appears, as seen in Figure 3.

Things to Remember

Beware of any secondary network connections to the PC on which you are running the **iSQ Viewer**. Such connections may take unwanted priority over the connection between your iSQ Viewer system and the output device running the iSQ Service. Unlikely though it may seem, connections that interfere in this manner can include 'smartphones' and similar devices whose Bluetooth or USB connections may be mistakenly regarded by your system as a network connection.

If you are experiencing a difficult-to-diagnose connectivity problem between your iSQ Viewer and iSQ Service systems, begin troubleshooting with the **Network Connections** area of your Viewer PC's **Control Panel**. Look for anything other than the expected **Local Area Connection**; with due care, experiment with disabling the extraneous connection.

Configure iSQ Service Viewer menu settings

Configure iSQ Service Viewer	
iSQ Viewer	General Settings
 Playlist Viewer General Servers GPI Logging Playlist Playlist Appearance Quick Edit Automation Plug-ins Macros Keyboard 	Local Service Port: 5025 Playlist Poll Duration: 100
	Restore

Figure 3. Configure iSQ Viewer menu, default view. Configuration groups are visible at left.

By default the menu opens to the view seen in Figure 3. At the left side of the menu, the list of configuration groups may be viewed or hidden by clicking on the label of the current view. The **Restore** and **Close** buttons pictured are present in all the menus discussed below.

Restore and Close buttons

Restore and Close appear on each of the major panels corresponding to each setting type.

- The **Restore** button: The most recent changes made to any of the settings seen at left may be undone by clicking the Restore button. Note that this action only affects the panel currently open, and not the entire configuration.
- The **Close** button: <u>Saves the current configuration</u> and closes the entire Configuration panel. Note that some changes may require restart of the iSQ Viewer.

Playlist Viewer

Selecting Playlist Viewer initially leaves the general settings "Local Service Port" and "Playlist Poll Duration" on the menu.

Continued



Figure 4. Playlist Viewer configuration options

- SQ Viewer Settings returns the user to the initial Configure iSQ Service Viewer menu.
- **General** displays the current setting for Thumbnail Host, which is the source of thumbnails, published to the iSQ Viewer. The default setting is CAMIO. Drawing thumbnails directly from CAMIO may result in delayed thumbnail updates on the iSQ Viewer, if CAMIO is busy with other tasks of higher priority than issuing thumbnail updates. The preferred process would be to use the optional configuration for IIS Setting, as defined concurrently with a change in the CAMIO configuration. Please refer to Chyron Publication Number 2A02326 (which also appears in this document as Appendix 1 on Page 96) for further details.
- **Preview** presents a number of options for customizing the Playlist Viewer interface, and its display of thumbnails.
 - **Display a thumbnail for the item currently on-air**: Select this checkbox to set the display of the on-air message's thumbnail by default. If not set to appear by default, the on-air thumbnail's display may be toggled on and off by use of the **Air Thumbnail Hidden/Visible** button (see Page 81).
 - **Thumbnail Polling Interval**: Varies how often iSQ viewer attempts to update the Lyric message thumbnail displayed in the Air and (loaded) Preview windows. The default value is 2500ms.
 - **Thumbnail Request Timeout**: Determines how long iSQ Viewer waits in seeking thumbnails from iSQ Service before giving up due to a problem, and indicating an error on the Playlist. The default value is 2000ms.
 - Border Padding: Sets the size of the colored border surrounding the Air and Preview thumbnails. By default this value is set to 8 pixels. Below, in Figure 5, the value is set to the maximum of 16 pixels. The views in both illustrations are of the same scale.



Padding around Air and Preview thumbnails set to 8 pixels at top, Figure 5. 16 pixels bottom.

Splitter Size: The width of the vertical bar separating the Air and Preview thumbnail windows may 0 be varied, from its default size of 8 pixels, to a width as great as 50 pixels. Note also that the user may click and drag the 'splitter' separating the thumbnails to vary the room allotted each thumbnail. Each thumbnail will enlarge or shrink to fit the space it is allotted.

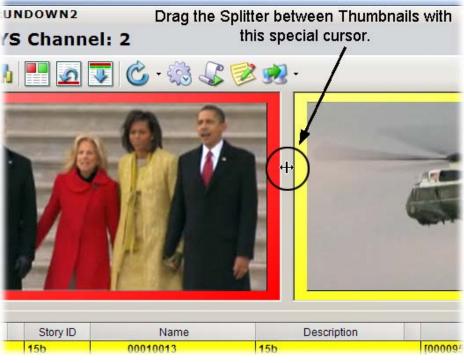


Figure 6. Dragging the gray splitter between thumbnails.

• **Grid** settings allow the operator to display a thumbnail of the Lyric message associated with each line of the Playlist, *in that line of the Playlist itself.* Thumbnails in Playlist Viewer rows are pictured in Figure 34.

o Thumbnail Quality

- The <u>Low</u> and <u>Medium</u> settings may be used without cause for excessive caution . As usual however, Chyron recommends experimenting in advance of Air/production, with any features that raise performance concerns.
- The <u>High</u>–quality Thumbnail setting can have a significant effect on performance, since these thumbnails are drawn from high-resolution image data.
- Choosing the <u>Custom</u> setting opens a dialog that offers the user adjustments for thumbnail size, in pixels. Again, note that placing images larger than 100 x 100 pixels on the Playlist interface itself may cause performance problems.
- **Refresh Method**: The user may select the system conditions, or an operator action, that prompts update of Thumbnail images on the Playlist interface.
 - On Playlist Update: With this option selected, thumbnails are updated when message content has changed. iSQ receives notification of such changes (and the attendant content information) from CAMIO.
 - **Manual**: Thumbnails are only updated when the Reload Playlist ^C button on the Playlist Viewer interface is clicked.
 - **Automatic**: When selected, this option presents a control that allows the operator to set the frequency with which thumbnails on the Playlist interface are refreshed.
- Status Bar. The Playlist Viewer's Status Bar may be configured with a variety of familiar Month/Day/Year and Hour/Minute/Second/Frames formats. The Message Buffer Capacity setting determines how many status messages are retained for review by the user. Stored status messages may be viewed with the scroll button. Refer also the sections on Viewer's Status Bar on Page 93.

General

- Local Service Port: The port through which the system running iSQ Viewer receives commands from the CAMIO server. The default is port 5025.
- **Playlist Poll Duration**: Here, the user may define, in milliseconds, how often iSQ Viewer polls the Playlist for updates. By default this is set to 60.

Servers

Macros Add/Edit Remove Test Address	Playlist Viewer Image: System in the	Playlist Viewer Image: System in the	Playlist Viewer Iewssys General IP Address / Computer Name Servers 10.10.3.189 GPI Port Logging 5005 Playlist Port Quick Edit Dn Automation Image: Computer Name Plug-ins Tools Macros Add/Edit	Playlist Viewer Image: System Sy	Viewer	8
General IP Address / Computer Name Servers 10.10.3.189 GPI Port Logging 5005 Playlist Up Quick Edit Dn Automation Tools Plug-ins Ready Macros Add/Edit Remove	General IP Address / Computer Name Servers 10.10.3.189 GPI Port Logging 5005 Playlist Up Quick Edit Dn Automation Tools Plug-ins Ready Macros Add/Edit Remove	General IP Address / Computer Name Servers 10.10.3.189 GPI Port Logging 5005 Playlist Up Quick Edit Dn Automation Tools Plug-ins Ready Macros Add/Edit Remove	General IP Address / Computer Name Servers 10.10.3.189 GPI Port Logging 5005 Playlist Up Quick Edit Dn Automation Tools Plug-ins Ready Macros Add/Edit Remove	General IP Address / Computer Name Servers 10.10.3.189 GPI Port Logging 5005 Playlist Jup Quick Edit Dn Automation Tools Plug-ins Ready Macros Add/Edit		
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GPI Logging Playlist Playlist Appearance Quick Edit Automation Plug-ins Macros	GPI Logging Playlist Playlist Appearance Quick Edit Automation Plug-ins Macros	GPI Logging Playlist Playlist Appearance Quick Edit Automation Plug-ins Macros	GPI Logging Playlist Playlist Appearance Quick Edit Automation Plug-ins Macros	GPI Logging Playlist Playlist Appearance Quick Edit Automation Plug-ins Macros	General	IP Address / Computer Name
Logging 5005 Playlist Appearance Up Quick Edit Dn Automation Plug-ins Ready Add/Edit Remove Test Address	Logging 5005 Playlist Appearance Up Quick Edit Dn Automation Plug-ins Ready Add/Edit Remove Test Address	Logging 5005 Playlist Appearance Up Quick Edit Dn Automation Plug-ins Ready Add/Edit Remove Test Address	Logging 5005 Playlist Appearance Up Quick Edit Dn Automation Plug-ins Ready Add/Edit Remove Test Address	Logging 5005 Playlist Appearance Up Quick Edit Dn Automation Plug-ins Ready Add/Edit Remove Test Address	Servers	10.10.3.189
Playlist Playlist Appearance Quick Edit Automation Plug-ins Macros Dn Tools Ready Add/Edit Remove Test Address	Playlist Playlist Appearance Quick Edit Automation Plug-ins Macros Dn Tools Ready Add/Edit Remove Test Address	Playlist Playlist Appearance Quick Edit Automation Plug-ins Macros Dn Tools Ready Add/Edit Remove Test Address	Playlist Playlist Appearance Quick Edit Automation Plug-ins Macros	Playlist Playlist Appearance Quick Edit Automation Plug-ins Macros Dn Tools Ready Add/Edit Remove Test Address	GPI	Port
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Quick Edit Automation Plug-ins Macros	Quick Edit Automation Plug-ins Macros	Quick Edit Automation Plug-ins Macros	Quick Edit Automation Plug-ins Macros	Quick Edit Automation Plug-ins Macros	Playlist	
Quick Edit Dn Automation Dn Plug-ins Tools Macros Add/Edit	Quick Edit Dn Automation Dn Plug-ins Tools Macros Add/Edit	Quick Edit Dn Automation Dn Plug-ins Tools Macros Add/Edit	Quick Edit Dn Automation Tools Plug-ins Ready Macros Add/Edit Remove	Quick Edit Dn Automation Image: Constraint of the second	Playlist Appearance	
Automation Plug-ins Macros Add/Edit Remove Test Address	Automation Plug-ins Macros Add/Edit Remove Test Address	Automation Plug-ins Macros Add/Edit Remove Test Address	Automation Plug-ins Macros Automation Automation Plug-ins Ready Add/Edit Remove Test Address	Automation Plug-ins Macros Add/Edit Remove Test Address	Quick Edit	
Macros	Macros Ready Add/Edit Remove Test Address	Macros Ready Add/Edit Remove Test Address	Macros Ready Add/Edit Remove Test Address	Macros Ready Add/Edit Remove Test Address	Automation	
Macros Add/Edit Remove Test Address	Macros Add/Edit Remove Test Address	Macros Add/Edit Remove Test Address	Macros Add/Edit Remove Test Address	Macros Add/Edit Remove Test Address	Plug-ins	
Keyboard	Keyboard	Keyboard	Keyboard	Keyboard	Macros	
					Keyboard	Add/Edit Remove Test Address

Figure 7. Configure iSQ Viewer menu, Servers

- **Servers** field: Displays all systems which are available, properly configured to run the iSQ Service, and connected to the Viewer.
- Server Name: iSQ Servers in the Viewer's Servers list may be renamed here. This affects only the system name displayed in the Viewer and not the workings of the connection itself.
- IP Address / Computer Name: The IP or machine name of the server that hosts the iSQ Service.
 - The Browse button allows the user to search the local network for systems that may be running the iSQ Service. Clicking opens the **Browse for Server** dialog:

			X
	•	Search	
Cancel		Select	
	Cancel	Cancel	

Figure 8. The Browse for Server dialog

Clicking the <u>Search</u> button will cause iSQ to canvass the local network; its findings may look something like Figure 9. Clicking Cancel gives the user the option to manually search the local network.

B	rowse for Server			×
Г	Available Servers			
	MISHRA	•	Search	
	IT JELLO	-	Select	
L	MISHRA PARTNER			
	RAGNAROK SOPHOS			
	SQA-CAMIO-OLD SQL	•		

Figure 9. The Browse for Server dialog's search results.

- Port: The port of the remote machine to connect on. The default port is 5005.
- Up/Dn buttons: Use these buttons to move the a given entry on the Servers list up or down in the list field. The order of servers in this field will determine the display order when the "Magic Select" function is used to call up Playlists into the Playlist Viewer window.

Magic Select is the option for selecting and opening all of the Rundowns for a given output device's multiple frame buffers, with a single action on the iSQ Viewer.

- Select a single Playlist within a Running Order containing multiple Playlists, hold the CTRL key, 0 and click the View Selected button.
- All of the Playlists in the associated Running Order are automatically selected, and open in the 0 Playlist Viewer.
- Tools

Immediately beneath the Tools heading, a status indicator reads "Ready", showing that communication is established and functioning properly with the selected server. The indicator will also display the results of Add/Edit or Remove actions.

- Add/Edit: To add a new server to the list, type in a new name in the "Server Name" field, and enter \cap IP Address and Port values. Then click this button to add it to the list. To edit an existing connection, select it from the list first, and modify the IP Address or Port number then click this button. If you make a change to the "Server Name" field, it will add a new connection into the list instead.
- **Remove:** Deletes the selected server from the list. 0
- Test Address: Sends a ping to the selected server's IP Address. The target machine must allow pings in order for this feature to work.

Notes

- The Test Address feature only tests network connectivity to the server; it does not test iSQ Service 0 availability.
- When changes are made to Server settings, the iSQ Service Viewer must be restarted for the 0 change to take effect.

GPI

Note

iSQ's GPI facility is an option which may be purchased through our Customer Service department or your Chyron Sales representative.

If you have purchased the GPI option and installed its hardware, be sure that you have the hardware's most current driver. See the section on GPI hardware on Page 113.

iSQ Viewer	GPI Settings
Playlist Viewer	Enable GPI
 General Servers GPI Logging Playlist Playlist Appearance Quick Edit Automation Plug-ins Macros Keyboard 	Use Rising Edge for Button Push Device Id: 0 Configure String: 1 - d 60 - P 30 - n 1 Build Map String: 01.0.0.u.0.0.d.0.0r.0.0.s.0.1t.0.1.u.0.1.d.0.1r.0.1.s.0.2t.0 2.u.0.2.d.0.2r.0.2.s.0.3t.0.3u.0.3d.0.3r.0.3s.0.4t.0.4u. 0.4.d.0.4r.0.4s.0 Build
	Restore

Figure 10. Configure iSQ Viewer menu, GPI

- **Enable GPI**: This option enable the GPI board in the system running iSQ Service Viewer to respond to external GPI triggers (control room button-pushes, pulses from other computers, etc.)
- Use Rising Edge for Button Push: This selection will vary with system configuration at your facility. Some iSQ Viewer systems' GPI hardware will be set to respond to the initial voltage increase occasioned by a GPI button-push; some will respond to the falling voltage after a button-press is released.
- **Device ID**: The GPI board present in your iSQ Viewer system. This number is left at "0", given the presence of a single GPI board in most iSQ systems.
- **Configure String**: Displays the configuration instructions sent to your system's GPI device upon startup by Chyron's software. Pictured above are the default settings for device ID, Polling Interval and Debounce period; however, *additional values will be present, dependent on your system's GPI board*. User adjustments are applied via the **GPI Configuration String** Builder, which is accessed by clicking the "Build" button at right.

• **Map String**: This field displays the assignments of individual GPIs to specific functions on the output device running the iSQ Service, as well as some functions on the iSQ Viewer. Such mapping of GPI connections to events may be entered manually here. However, you may wish to use the *GPI Map String Builder*, launched by the **Build** button at right.

Detailed instructions for using the Configure String and Map String options follow on Pages 14 - 20.

GPI Configurat	ion String Builder		
Build Configura	tion String		
Device:	1		Load Default
Debounce:	60	_	
Poll Interval:	30		
Notification:	Individual Bit Events 💌		
Port Options:			
	Remove	Add Port	
		Port #:	
		💿 is an Inp	ut Port
		🔿 is an Out	put Port
			Add
		-	
	Clear		
		Cancel	Create

Configure String Builder

Figure 11. iSQ Viewer GPI Configuration String Builder Interface

- Load Default: Resets all values on this panel. Note that the most recent user changes will be erased, *including any ports that may have been added; see the following items.*
- **Device**: The GPI board present in your iSQ Viewer system. This number is left at "1", given the presence of a single GPI board in most systems running iSQ Viewer.
- **Debounce**: Sets the minimum amount of time that the iSQ software waits between detecting a change in GPI voltage, and acting on that change. This helps prevent unwanted GPI triggers resulting from the slight irregularities that may occur in the operation of mechanical switches used for GPI activation. This setting will usually be left at the default, but may need to be varied for use with your facility's hardware.
- **Poll Interval**: Specifies, in milliseconds, how often the iSQ Viewer software checks on activity in the GPI board.
- Notification: Leave this setting at the default, "Individual Bit Events".
- Port Options/Add Port: This area is normally left in the default state with no options set. In GPI devices with banks of switches grouped as ports, the user may designate each port as Inputs or Outputs. Note that, as of this writing in February 2009, many iSQ systems are fitted with GPI boards whose Input and Output pin wiring is fixed. However, if you do need to configure ports, the controls function thusly:
 - **Remove**: Deletes a selected assigned connection from the list.
 - **Clear**: Deletes all assigned connections from the list.

- **Port #**: When adding a port to the list, enter a port number here. Click the... 0
- Input Port/Output Port: Leave this configured as "Input". 0
- Add button to add the port to the list at left for configuration and use. 0

GPI Map String Builder

GPI Map String Builder	
Bit Mapper	
Mapped Bits (In Order)	
(Bit 0) 0.t.1	Add Bit
(Bit 1) 0.u.1	Viewer # (Starting at 1)
(Bit 2) 0.d.1 (Bit 3) 0.r.1	viewei # (statung at 1)
(Bit 4) 0.s.1	Up Eurotion Take
(Bit 5) 1.t.1	Function: Take
(Bit 6) 1.u.1	Down
(Bit 7) 1.d.1	Activate when Edge is Rising
(Bit 8) 1.r.1	
(Bit 9) 1.s.1 (Bit 10) 2.t.1	
(Bit 11) 2.u.1	Insert Bit Add Bit
(Bit 12) 2.d.1	
(Bit 13) 2.r.1	Delete Total Bits: 16 Generate Default
(Bit 14) 2.s.1	
(Bit 15) 3.t.1	Clear
	Cancel Create

Figure 12. iSQ Viewer GPI Map String Builder Interface

Note

The GPI Map String Builder menu can generate more bit mappings (GPI pin to assigned action) than the number of physical connections available on your iSQ Viewer system's GPI board. Take note of the number of connections available on your hardware. Refer to the documentation in Appendix 3 on Page 113 for the GPI board installed in the system on which you are running iSQ Viewer.

For the purposes of discussing this menu, note that:

- t represents the action Take on the output device running the iSQ Service. This action begins the animation in a cued Lyric message on the output device, as controlled by the iSQ Service, or moves the Lyric Playlist on to the next cued message. The action Take is discussed at more length on Page 80.
- *u* represents moving the cursor UP through the displayed items on the iSQ Playlist Viewer. This is strictly a matter of the iSQ Viewer interface and its use by the operator in launching events on the Playlist out of their original order.
- d represents moving the cursor DOWN through the displayed elements on the iSQ Playlist Viewer. As above, this is an option for navigating the iSQ Viewer interface.
- r represents the action Release Pause on the output device, which triggers the continuation of a Lyric animation after a Pause programmed into the current message. The action Release Pause is discussed at more length on Page 80.
- s represents the action Stop on the output device. The action Stop is discussed at more length on Page 80. If the Lyric PRO plugin is installed with the output device's iSQ Service software, the user may choose variations on the action Stop (see Page 63). The Stop command may be configured to stop only the current Playlist or clear the output entirely. See the **iSQ Playlist Service Configuration** section of this manual.

Mapped bits will follow the format seen in Figure 12, for example, (Bit 0) 0.t.1. The individual parts of this sequence are defined as follows:

- (Bit 0) represents the first GPI switch available on your system's GPI device. Remember that this numbering begins at "0". Hence, GPI event number 1 will appear in the Mapped Bits list as "0", event number 2 will appear as "1", event number 3 as "2", and so on.
- 0 represents one of the Viewers displaying a Playlist on the iSQ Viewer system. These Playlists correspond to output devices in systems running the iSQ Service. These output devices represent output channels on Chyron systems. Thus, a Chyron system with 3 frame buffers would represent 3 Playlists running on the iSQ Viewer.
- t represents an action (such as "Take" in this example), triggered by this specific GPI pulse.
- 1 reflects the default 'Rising' setting of the incoming GPI pulses received by the GPI board used with iSQ Viewer. This final character in each mapped bit is usually "1", since iSQ uses only rising pulses at this time.

Individual systems and their setups vary. Where the falling edge of a given GPI pulse is to be read, this final character will read "0".

These abbreviations are important in defining the Mapped Bits seen below, and are set for each GPI in the Function dropdown menu. Read on for additional detail.

- The **Mapped Bits (In Order)** field lists all of the GPIs configured on the system running iSQ Viewer, and the commands they will cause to be transmitted to the selected output device.
 - **Up/Down Buttons**: Moves the selected bits in the Mapped Bits list up or down respectively. Note that this affects the bit mapping order.
 - **Delete**: Delete the selected bit mapping.
 - **Clear**: Clears the list of mapped bits.
- Add Bit
 - **Viewer #**: This refers to an output device being controlled by iSQ Viewer, and its corresponding column in the iSQ Playlist Viewer.

When adding a new bit mapping, the user will enter the device number in the iSQ playout system being configured. Naturally, the first device will be designated number 1, the second designated number 2, and so forth. These real-world designations will also appear in the columns of the Playlist Viewer as it shows the status of each output device.

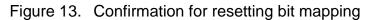
However, numbering of output devices **in the Mapped Bits (In Order)** field <u>begins</u> <u>at</u> "<u>0</u>". Hence, output device number 1 will appear in the Mapped Bits list as "0", output device number 2 will appear as "1", output device number 3 as "2", and so on.

- Function: Use this dropdown menu to assign the GPI to <u>Take</u>, <u>Up</u>, <u>Down</u>, <u>R</u>elease Pause or <u>S</u>top.
- Activate when Edge is: The default is Rising and should be left that way for use with iSQ Viewer.
- Insert Bit/Add Bit: With a new bit mapping established as above, "Insert" and "Add" are options for where the new bit is added to the list. Insert adds a new bit at a selected location in the Mapped Bits. Add appends a new bit to the end of the list. Be careful of creating bits that do not correspond to real-world GPIs and may trigger unneeded duplicate functions.
- Generate Default: Erases all entries in the Mapped Bits field, generating a user-specified number of enumerated bit mappings. The number entered here should correspond to the number of GPIs available on your system's GPI facility, be it the PCI or PCI Express device recommended by Chyron.

When generating default bit mappings, the software will map all of the functions, in default t, u, d, r, s order, to each available bit per viewer. So for example, these five functions mapped to 16 available bits will assign 5 GPIs to Viewer "0", 5 in the same order to Viewer "1", 5 in the same order to a third Viewer, designated "2" and one "leftover" default function to a fourth Viewer designated "3".

Selecting Generate Default causes iSQ Viewer to post the following warning:

Warning	×
⚠	Doing this will erase your current mapping. Do you want to continue?
	Yes No



Selecting Yes opens the Device Information dialog:

Device Information		×
Available Bits: When Edge is:	16 Falling	
Cancel	OK	

Figure 14. Device Information dialog

In the Available Bits field, enter the total number of GPI connections available on your iSQ Viewer System's GPI device. The When Edge is: field allows the user to define whether pulses are to be recognized at the beginning of GPI pulses' brief duration or immediately after the pulse ends. Press **OK** to continue the action of generating a new set of bit mappings.

Mapped Bits (In Order)	
(Bit 0) 0.t.0	
(Bit 1) 0.u.0	
(Bit 2) 0.d.0	
(Bit 3) 0.r.0	
(Bit 4) 0.s.0	
(Bit 5) 1.t.0	
(Bit 6) 1.u.0	
(Bit 7) 1.d.0	
(Bit 8) 1.r.0	
(Bit 9) 1.s.0	
(Bit 10) 2.t.0	
(Bit 11) 2.u.0	
(Bit 12) 2.d.0	
(Bit 13) 2.r.0	
(Bit 14) 2.s.0	
(Bit 15) 3.t.0	

Figure 15. 16 bits mapped in default order

The settings shown in the **Mapped Bits (In Order)** field will be replaced by the new default mappings seen in Figure 17.

Press the **Create** button on the GPI Map String Builder menu, and the **Configure iSQ Service Viewer** menu returns with the **Map String** field displaying the same settings as the **Mapped Bits** (In Order) field.

Take note that the software does not care if such GPI hardware is actually present, or if individual Viewer displays are connected to playout devices. The bit mappings and GPI assignments created are based strictly on the settings specified by the user.

- Following are two examples of mapping bits representing GPIs to specific sets of functions.
 - First, four GPIs are being configured to trigger the action "Take" on the Viewers corresponding to four output devices. The user configuring this string accepts the assignment of the events to the first four available GPIs. In this case, the falling edge of the GPI pulse will be read.

GPI Map String Builder			
Bit Mapper			
Mapped Bits (In Order)			
(Bit 0) 0.t.0		Add Bit	
(Bit 1) 1.t.0		Viewer # (Starting at 1)	4
(Bit 2) 2.t.0 (Bit 3) 3.t.0		viewei # (Jtaiting at T)	4
	Up	Function:	Take 💌
	Down	Activate when Edge is	Falling 💌
		Insert	Bit Add Bit
	Delete	Total Bits: 4	Generate Default
	Clear		
		Cancel	Create

Figure 16. Configuring 4 GPIs to execute Takes on 4 Viewer/playout devices.

Refer to the explanations for each part of these strings, above. Generating this mapping produces the string seen in Figure 17.

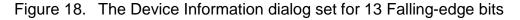
igure iSQ Service Viewer	
iSQ Viewer	GPI Settings
 Playlist Viewer General Servers GPI Logging Playlist Playlist Appearance Quick Edit Automation Plug-ins Macros Keyboard 	Enable GPI Use Rising Edge for Button Push Device Id: 0 Configure String: 1-P 30 d 60 n 1 Map String: 0t.0.1t.0.2t.0.3t.0
	Restore

Figure 17. The Map String produced by the configuration described above.

Next, four GPIs are again being configured to trigger the action "Take" on Viewers corresponding to four output devices. In this case, however, the user wishes to assign these events to GPIs 1, 5, 9 and 13, in anticipation of additional events being mapped to other GPIs later. Since the GPI device's physical switches must be assigned in order, none may be skipped, and each must still be mapped to some event. The operator therefore assigns non-critical events to the GPIs corresponding to the bins falling between the desired pins at 1, 5, 9 and 13. Again, these may be changed later.

This is accomplished by using the Generate Default function, set to 13 available falling bits.

Device Information		×
Available Bits:	13	
When Edge is:	Falling 📃 💌	
<u>C</u> ancel	<u> </u>	



The default bits will appear as shown here:

Mapped Bits (In Order)
(Bit 0) 0.t.0 (Bit 1) 0.u.0 (Bit 2) 0.d.0 (Bit 3) 0.r.0 (Bit 5) 1.t.0 (Bit 6) 1.u.0 (Bit 7) 1.d.0 (Bit 8) 1.r.0 (Bit 9) 1.s.0 (Bit 10) 2.t.0 (Bit 11) 2.u.0 (Bit 12) 2.d.0

Figure 19. 13 bits mapped in default order, for subsequent modification as follows

Now, bits 5, 9 and 13 must be replaced with the desired assignment of a Take on the appropriate Viewer, using the Insert Bit option. At the fifth GPI, designated "(Bit 4)", a new bit must be added, specifying Viewer #2, which will require entering "1" as the Viewer #. (Recall in both these instances that numbering begins with 0.)

Bits with the appropriate Viewer numbers and specified Take actions must be substituted at bits 9 and 13. This procedure will accumulate unused bits after Bit 12, and those should be removed from the bit mapping using the Delete button. The result should look like Figure 20. Note the assignment of the desired Viewer and Take action at the first GPI, labeled "(Bit 0)", the fifth GPI, labeled "(Bit 4)", the ninth GPI, labeled "(Bit 8)" and the thirteenth GPI, labeled "(Bit 12)"

	Add Bit
	Viewer # (Starting at 1) 3
	Viewer # (Starting at 1) 3
Un	
	Function: Take
Down	
	Activate when Edge is Falling
	Insert Bit Add Bit
	T + 10% 40 County Default
Delete	Total Bits: 13 Generate Default
Clear	
	Cancel Create
	Up Down Delete Clear

Figure 20. Configuring 4 non-consecutive GPIs to execute Takes on 4 Viewer/playout devices.

Logging Configuration

To configure the iTech Logging Software or work in detail with the logs it produces, refer to the iSQ Installation Manual.

ewer		
laylist Viewer	Config File C:\Program Files\Chyron\iSQ Viewer\config\LoggerCo Select	
eneral	Edit Config File	
ervers		
PI	ViewLog Server Settings	
gging		
aylist		
aylist aylist Appearance		
ick Edit		
tomation		
g-ins		
cros		
yboard		
yboard		

Figure 21. Configure iSQ Viewer menu, Logging

- The **Config File** field displays the folder where the log file is stored.
- Select allows the user to choose another file of the appropriate type for logging current events in the iSQ software.
- Edit Config File opens the ITConfigManager dialog, which allows the user to create and configure new log files or open and edit existing ones.

🞸 LogConfigFile.icf - ITConfigManager	
File View Help	
Log-Channel Settings	Timer Setting
Log-Channel LogMsg Forwarding Registered Modules Registered Cases	Config-File
Selected Log-Channel Forward Messages To Log-Channel(s)	Reload Period [s]:
Set Forward(s)	1
Remove Forward	
Destination Settings	
Output • ILF • TXT • HTML • XML • LogServer	
Active Type Resource Settings Directory Settings	1
C ILF Max File Size (KB): 1000 Log-Channel Dir: %TEMP%\StdLog	
	Create
C LogServer Save Previous Runs: 10 Filter Settings	
Use Creation Filter	Edit
J Ready	NUM

Figure 22. The iTech ITConfigManager dialog.

- Back on the Configure iSQ Service Viewer Logging page, the **View Log** button opens the current log being maintained by iTech Logger, and offers access to other logs saved on the system running iSQ Viewer.
- Server Settings also opens the ITConfigManager dialog, as seen above.

Playlist

See also Change Column Visibility

These settings enable the user to custom the appearance and behavior of the Playlist Viewer interface.

nfigure iSQ Service Viewer	
iSQ Viewer	Playlist Configuration
 Playlist Viewer General Servers GPI Logging Playlist Playlist Appearance Quick Edit Automation Plug-ins Macros Keyboard 	Sync Vertical Scrolling Enable Percent Scrolling Enable Multi-Playlist Coloring Percentage of Visible Rows: 75 2% Color Settings Enable Extra Touch Screen Functions Alternating Story Colors W Vrap Around Playlist Use Per Service Coloring ✓ Font Size: 9 Title Font Size: 14 Pause Blink Rate: 600 Playlist Title Formatting: [4] Channel: [2] Build Tab Text: Change Text in Playlist Tabs Selection Style: SelectedIndex ▼
	Restore

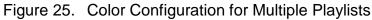
Figure 23. Configure iSQ Service Viewer, Playlist

LEW	SSYS Channel: 1	P			LEV	VSSYS Channel: 2	2)	
30	🖕 🔜 👘 💁	🔽 🕲 🍪 🕹 🦻 🥦 ·		1	-2	🖷 🖏 💾 🙍	🔽 🖒 🍓 🕹 🌽 🕺 ·	
			A REALE DE LOCIDO					Chunn News
	Description	Details	Name			Description	Details	Name
*	A-02 Headline 1 - Debate Poll Result	Index Lower Right] DEBATE REACTION	00010128			A-01 Opener	[OTS Opener]	00010134
	A-02 Headline 1 - Debate Poll Results	[Lower Third 2 Line] Sarah Palin Vice-Presidential Candidate (R)	00010122		*	A-02 Headline 1 - Debate Poli Results	(OTS Still Image) Debate Reactions (00010136
1	A-02 Headline 1 - Debate	[Lower Third 2 Line] Joe Biden Vice-Presidential Candidate (D)	00010123		Γ	A-83 Headline 2 -	[OTS Still Image] economic crisis (00010135
	A-02 Headline 1 - Debate	[Lower Third 2 Line] Barack Obama (Presidential Candidate (D)	00010124		T	A-04 Headline 3 - Mob Bodies Discovered	(OTS Still Image) Bodies UnEarthed (00010137
	Poll Results A-02 Headline 1 - Debate	[Lower Third 2 Line] John McCain Presidential Candidate (R)	00010125			1 Bodies Liscovered		1
	Poll Results A-03 Headline 2 - Economic Crisis	Index Lower Right] CitiGroup suing Wells Fargo (00010129					
	A-03 Headline 2 - Economic Crisis	(Lower Third 2 Line) Ben Bernanke Chairman, Federal Reserve	00010126					
	A-03 Headline 2 - Economic Crisis	[Lower Third 2 Line] Henry Paulson Treasury Secretary	00010130					
	A-03 Headline 2 - Economic Crisis	[Lower Third 2 Line] Christopher Cox SEC Chairman	00010131					
1	A-04 Headline 3 - Mob Bodies Discovered	[Lower Third 2 Line] Joe Garafolio Nassau Police Officer	00010138					
	A-04 Headline 3 - Mob	[Lower Third 2 Line] Det. John Smith Nassau Police Department	00010139					

Figure 24. iSQ Playlist Viewer, customized with the color controls explained in this section.

- **Sync Vertical Scrolling**: Aligns cursor for each channel's playlist to items designated with matching story ID numbers from the newsroom computer system.
- Enable Multi-Playlist Coloring: Assigns user-configured color schemes to multiple Playlists where more than one is being displayed at a given time. Selecting this checkbox makes the Color Settings button available.
- The Color Settings button opens the Color Configuration for Multiple Playlists dialog seen below.

🚏 Color Configuration for Multiple	Playlists X
Color Ordering Select the color pairs you wish for the The colors will cycle if there are more p	
#1: LemonChiffon / Khaki #2: AliceBlue / LightSteelBlue	Main Color: White Alt Color: WhiteSmoke Up Apply Change Dn Add Color Remove Color
L	Cancel Save



The dialog's default colors are seen at right, and a list of user-defined color combinations at left. Color combinations such as those established in Figure 25 may be applied to the top section of each Playlist Viewer in the area identifying each output device. If more output Playlists are displayed than color combinations have been established, then the color schemes will be applied to the Playlist columns in alternating order.

- The color combinations are used in the sequence seen in the Color Ordering list at left. The Up 0 and **D**own buttons enable the user to dictate the order in which the color schemes are applied to Playlists.
- o An established color scheme in the list at left may selected for modification with the Main Color and Alt Color choices, and the Apply Change button.
- Use the Add Color button to add more color combinations to the list at left. 0
- Use the **Remove Color** button to delete a selected color combination from the list. 0
- Alternating Story Colors: When enabled, Playlist stories, may be assigned alternating background colors. If Enable Multi-Playlist Coloring is not selected, the colors used will be the defined by the Background Color and Alternating Background Color settings (see below).
- Use Per Service Coloring: On the iSQ Service Viewer (as opposed to the Playlist Viewer), each different Service, with its constituent Playlists and stories may be assigned alternating colors.
- Enable Percent Scrolling: This option and its Percentage of Visible Rows setting allow the user to determine the vertical position of the stories whose status is Air or Preview Loaded. For example, setting this value to 25% keeps the story currently on air and the story loaded for preview near the top of the Playlist. Setting the value to 75% will allow the Air- and Preview-status stories to move toward the bottom of the Playlist as it progresses, and then remain positioned about 3/4 through the Playlist, as a large number of previously aired stories remain visible above.
- Enable Extra Touch Screen Functions is currently not implemented.
- Wrap Around Playlist: With this option enabled, the Playlist may be repeated by issuing the Take command after the last event in the Playlist has aired.
- Font Size: Text size in Story rows in the Playlist. Beware of setting this value too high, as all the story • information may be not be displayed properly, as seen below.

	a good time	
D03	[00009501.lyr] Clip Test Hotline	00010004
D03	[00009507.lyr] McCain President	00010013
	Condidata	
D03	[00009501.lyr] Second Story Clip	00010015
	Taat	
000	TOOOOOCOO IL IL DEM LL IL INAL	00040000

Figure 26. Text size set to large for proper display in story rows.

Title Font Size: Text size in the Playlist Title/output device's description area may be varied with this setting.

🐏 iSQ Playlist Viewer	
CHYNRCS/NEWSHOW.LEW'SDEMO.RUNDOWN for 1 on LEWS	SSYS
🔫 📲 🚮 🔛 💁 🍪 🍣 🥩 💀 ·	

Figure 27. iSQ Viewer's Playlist Title area

Tab Font Size: Text size for the show title beneath the application's title bar.



Figure 28. Show title in iSQ Playlist Viewer

- **Pause Blink Rate**: The rate at which the background of a story row blinks when the story's Lyric message (or messages) are paused in the Playlist.
- **Playlist Title Formatting**: This field may be configured to display a number of pieces of information on the iSQ Viewer interface. The default setting is seen below. All of the user-selectable parameters available via the Build button to the right of the text field.

Playlist Title Formatting:	{0} for {2} on {1}	Build
	,	

Figure 29.	Plavlist Title	Formatting field	d and Build button
	i laynot i ttio	i onnaang nore	

The Build button opens the Build a Playlist Title dialog box:

Build a Playlist Title
You can customize the information that is displayed on your playlist titles Double-Click on the associated data item you want inserted into your title or you can manually enter it in the field below.
Playlist Title String:
{0} for {2} on {1}
Insertable Items:
Playlist Name System Name (ISQ Viewer) Channel Group Name Machine Name (ISQ Service) IP Address (ISQ Service)
Default Cancel Save

Figure 30. The Build a Playlist Title dialog, which appears showing the default string

- Note that user-entered custom text may be entered, exemplified by "for" and "on" as seen in Figure 29.
- {0} = The Playlist name "NEWSHOW.LEW'SDEMO.RUNDOWN", which includes the server from which it originates, "CHYNRCS"
- {1} = The system on which iSQ Service is running
- \circ {2} = The output channel of the device for which the current story playout is intended.

- \circ {3} = The collection of device outputs addressed by a given Running Order.
- {4} = The system on which iSQ **Service** is running, which is to say one of the output devices in use.
- \circ {5} = The IP address of the system on which iSQ **Service** is running.
- **Tab Text**: Use the Change Text in Playlist Tabs button to vary the formatting of the **show title**, which appears beneath iSQ Viewer's title bar, as pictured in Figure 27. The formatting may be set to match the format of show titles used in iNEWS or ENPS, or customized by the user. The Change Tab Text dialog box is seen below:

Change Tab Text	×
Tab Display Settings	
You can use Regular Expressions to customize the look of the Playlist Tab. If you are unsure of how to use this, select the option that represents your MOS system. If you do not know your MOS system, select ENPS (Safest). The output format is the same format as the Column Filtering feature.	
O Use iNews Showname	
• Use ENPS Showname	
O Use Custom Filter:	
Regular Expression:	_
Output Format:	-
	-
Cancel Sa	/e

Figure 31. The Change Tab Text dialog.

• Selection Style offers radio buttons for the newsroom computer systems most commonly used with CAMIO and iSQ, iNews and ENPS. For advanced users, the show title may be customized by extracting desired elements of the expression string produced by the newsroom system in use.

See also Change Column Visibility

	Playlist Appearance				
SQ Viewer	These options are used to	change the way the Playlist	appears within the Playlist	Viewer window.	
Playlist Viewer					
角 General		Background	Foreground		
Servers	Grid A:	255, 255, 255 💌	0, 0, 0		
🏴 GPI	Grid B:	240, 240, 240 💌	0, 0, 0		
者 Logging					
Playlist	On Air:	255, 0, 0 💌	255, 255, 255 💌		
Playlist Appearance	Preview Loaded:	0, 255, 0 💌	0, 0, 0		
🚱 Quick Edit	Preview Not Loaded:	255, 255, 0 💌	0, 0, 0		
Automation					
Plug-ins					
Macros					
😥 Keyboard					

Figure 32. Configure iSQ Viewer, Playlist Appearance.

Here, further adjustment may be made to the appearance of the iSQ Viewer interface. Each of the dropdown menus offers three color selection methods, Custom, Web and System.

- **Grid A** and **Grid B**: The user may apply custom colors to the upcoming Playlist rows which *follow* the On Air, Preview Loaded and Preview Not Loaded rows. The alternating rows are usually given different color schemes to help the user readily distinguish between them.
- On Air, Preview Loaded and Preview Not Loaded: In the Playlist Viewer's familiar status display of the on-air story and the two subsequent stories, the default colors are likely best for most situations. They may, however, be varied to the user's wishes.

For each of the five portions of the Playlist grid, clicking on of the dropdown menus displays the color selection options *and* a preview of the current Background and Foreground settings as seen in Figure 33.

The colors thus selected are seen on the sample Playlist pictured in Figure 34. The Viewer rows pictured are also configured to display message Thumbnails, as discussed on Page 10.

igure iSQ Service Viewer	Playlist Appearance				
iSQ Viewer			and the Discourse of	· · · · · ·	
_	i nese options are used to	ochange the way the Playlist a	ppears within the Playlist \	lewer window.	
Playlist Viewer			- ·		
A General		Background	Foreground		
🚂 Servers	Grid A:	255, 255, 255 💌	0, 0, 0 💌		
連 GPI	Grid B:	192, 192, 192 💌	0, 0, 0		
Logging					
Playlist	On Air:	255, 0, 0 💌	0, 0, 0		
Playlist Appearance	Preview Loaded:	0, 255, 0 💌	0, 0, 0 💌		
🚱 Quick Edit	Preview Not Loaded:	255, 255, 0	0, 0, 0	Preview	
Automation	Custom V	Veb System			
🔈 Plug-ins					
🥺 Macros					
🐼 Keyboard					
	Restore				Close

Figure 33. Choosing colors for Playlist row 'Preview Not Loaded'. Note color preview at right.

		Thumbnail	Story ID	Name	Description	Details	
	¢		14	SQA\00001752	14 @ MDR#		
	⇒ @		14	SQA\00001774	14 @ MDR #		
•			14	SQA'100001775	14 @ MDR #		
			14	SQA\00001774	14 @ MDR #		
•			14	SQA'00001775	14 @ MDR #		
				A	•		
Ly	Lyric Playout Panel						
C	1/20/2009 -	10:38:08 AM	laylist content	s have been updated.		8	

Figure 34. The 'Preview Not Loaded' row, followed by subsequent message rows.

Quick Edit

iQ Viewer	Enable Quick Edit Keys (Note: Supports up to six channel configurations)
Playlist Viewer	
General	Effects Speed
Servers	Effect Aliases
GPI	Select Effect Alias name to Add to the List Quick Items Add Wipe Remove
Logging	Dissolve
Playlist	that will occur. You must setup the Dissolve Move Up
Playlist Appearance	Transition Map in the Lyric Plugin. Page Tum Move Dn Move Dn
🖗 Quick Edit	Activated with Item Down Key J Wipe
Automation	Modifier Key
> Plug-ins	The modifier key sets which key must be held down in order for the Quick Edit function to work. Holding the modifier key and then pressing the Item Up or Item Down key on
Macros	the iSQ Cue Board will activate either quick edit function. Releasing this key will commit the changes.
Keyboard	
	Modifier Key: Ctrl

Figure 35. Configure iSQ Viewer, Quick Edit.

Two basic effects are seen added to the available effects ("Quick Items") here.

The Quick Edit option is discussed in more detail below. First, some notes on iSQ's Offline Mode are needed.

When not running in concert with CAMIO, iSQ Service and iSQ Viewer can continue operating together in an offline mode. Disconnected from CAMIO, iSQ no longer receives updates, but can continue controlling Lyric on its output devices.

This atypical configuration enables manual changes to the iSQ Running Order which was originally associated with sequences published by the newsroom system.

Transition effects may be added or changed and the order of stories within a Running Order may be altered; if desired, a given item can be moved from one Playlist to another on a single playout system. Such Lyric message changes are accomplished via iSQ's Quick Edit feature.

Offline mode is set on the <u>iSQ</u> Playlist Viewer interface, with the Playlist Editing Web button. Again, using this control to enable Playlist Editing disconnects iSQ from CAMIO, leaving the Playlists running on the iSQ Service system(s), isolated from CAMIO. When the user elects to enable Playlist Editing, iSQ Viewer issues this warning:

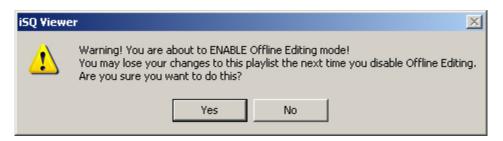


Figure 36. Warning dialog upon enabling Offline Playlist Editing and the resulting disconnection from CAMIO.

Regardless of the flexibility offered by Quick Edit, it is important to remember that reconnecting to CAMIO will cause iSQ to request running order updates from CAMIO. At this time, all manual changes will be lost; use of Quick Edit may best be reserved for emergencies such as breaking news, where the user can anticipate continuing a production in progress without CAMIO or its associated newsroom systems.

- Quick Edit allows the user to make changes to a given Running Order, independent of CAMIO.
 - **Enable Quick Edit Keys**: This checkbox allows the operator to use Quick Edit mode on the system. Without this Enable setting, Quick Edit may not be activated from the Playlist Viewer.
 - Effects tab: Clicking this tab's dropdown offers a choice of 7 effects, along with a 'None' option. Using the Add button, the user may define a specific set of transitions available for use in Quick Edit mode.
 - o Use the Add button to create a list of available Quick Items, as seen at right in Figure 37.

Effects Speed			
Effect Aliases			
Select Effect Alias name to	Add to the List	Quick Items	
Dissolve	▼ Add	Dissolve	Remove
None	ctual effect		
Dissolve	b the		Move Up
Hinge	in.		
Page Turn			Move Dn
Push		1	
Sqz-In			
, Sqz-Out			
M Wipe			
The modifier key sets which to work. Holding the modifie			

Figure 37. The Quick Edit Effects tab, offering a choice of seven effects aliases for mapping to Lyric effects on the system running iSQ Service.

Effects aliases created in Quick Edit are then mapped to actual effects in the Lyric software on the playout device. This mapping is performed in the Plugins area of iSQ Service's Configuration menu, via the Lyric Output Plugin. Refer to Lyric Output Plugin on Page 55.

- The **Remove**, **Move Up** and **Move Down** keys allow the list to be reordered, or an item to be deleted from the list.
- The Speed tab allows the user to create predefined transition rates (in frames) and create a list, accessible in the Speed pulldown menu on the Playlist Viewer. As in the Effects menu, these speed settings are added to a Quick Items list, which may be modified with Remove, Move Up and Move Down controls.

Effects Speed
Speed Select an Effect Speed to Add to the List Quick Items
30 Add 1 Remove
Activated with Item Up Key
Modifier Key
The modifier key sets which key must be held down in order for the Quick Edit function to work. Helding the pedifier key and then precising the larm Up or larm Deven key on

Figure 38. The Quick Edit Speed tab, which allows the user to establish a list of preset effects speeds

The Modifier Key option is not implemented at this time. 0

Automation

Configure iSQ Service Viewer Automation iSQ Viewer Available Commands Send The Following Commands Playlist Viewer... ٠ Take 1. Take 100 ms 🙈 General B Servers Take 📥 2. Take 100 ms 運 GPI 🔥 3. Take 100 ms Logging Playlist 📥 4. Take 100 ms Stop . Playlist Appearance 📥 5. Take 100 ms 🚱 Quick Edit 🔰 Automation 📥 6. Take 100 ms Unpause 👧 Plug-ins 7. Take 100 ms Macros 🔥 8. Take 100 ms Keyboard -Restore Close

Figure 39. Configure iSQ Viewer, Automation.

iSQ Viewer's Automation feature allows the user to compose a sequence of actions to be executed on the playout device. The interval between actions can also be set; see the **Wait** setting pictured in Figure 40.

Adding a Take, Stop or Unpause command to the sequence of actions is accomplished via click & drag from the Available Commands pane to the Send the Following Commands pane. The destination row for commands is not selectable. Any command added to the list necessarily populates the next available row in the list of commands.

When the Automation window is opened for the first time, the first few windows may be populated by Take Commands, with their default 100 millisecond Wait setting. At any point in setting up the Commands list, commands may be removed from the list with the Delete button.

When a command's icon is added to the list, iSQ opens a dialog prompting for the amount of time that the system should wait before moving on to the next command in the sequence.

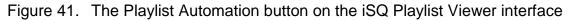
-Automation -	
Available Comr	mands : Send The Following Commands :
Take	
Stop	3
Unpause	Enter a Delay Enter the desired amount of time you wish for iSQ to wait after this command has executed before continuing to the next command:
	ОК

Figure 40. Adding a command to the Automations list; iSQ prompts for a delay value before placing the desired item in the list.

The automation list is saved when the Close button is pressed.

Automation is initiated from the iSQ Playlist Viewer interface. Playlist automation is enabled or disabled with the source button as seen below:

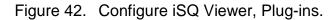




When this feature is enabled on the Playlist Viewer, Lyric messages in the Playlist stories cue and take with no further prompting.

Plug-Ins

5Q Viewer Playlist Viewer General	Check-off the plug-ins that should be loaded.
General Servers GPI Cogging Playlist	Lyric Playout Panel ISQ Native Distribution Plug-in ISQ Native Distribution Plug-in Version: 2.2.29.9 Description:
Playlist Appearance Quick Edit Automation Plug-ins Macros Keyboard	File Name: distrib_INO.dll
	Configure



- Lyric Playout Panel: This plugin enables the iSQ Viewer user to remotely load and play Lyric messages not present in the iSQ Running Order. The Lyric plugin to iSQ Viewer setting has no user adjustments. It is simply enabled or disabled with checkbox seen above. This option should be left enabled.
- **iSQ Native Distribution Plug-in** (shown selected above): This component is essential to the operation of the Quick Edit feature. The iSQ Native Distribution Plug-in is responsible for sending Playlist changes created in Quick Edit mode back to the iSQ Service. It is strongly recommended that this plug-in also be left enabled, regardless of any intent to use Quick Edit. Pressing the **Configure** button opens this dialog:

🔡 Isq Native Output Plugin Configu	uration	
Distribution Systems LEWsSys	IP Address 10.10.3.168 System Name LEWsSys	
		//

Figure 43. Native Output Plugin Distribution System dialog.

This dialog allows the user to add multiple target systems for use with the Quick Edit feature, exclusively.

NOTE that the connection between systems using a conventional LUCI/CAMIO/iSQ setup differs from the temporary direct connection between an iSQ Viewer system and its output system(s) while using Quick Edit. Therefore the configuration(s) set here can differ from the system communications set up in the **Servers** menu.

To add a Distribution System to a list of available iSQ Service systems for use with Quick Edit, enter the IP

address and system name of an output device, as seen above. Use the 😳 button to add a system to the

list. The 🤡 button may be used to remove a system from the list. The up and down arrows may be used to change the order of systems in a list for quickest access to a desired system.

Macros

During normal iSQ Playlist operation, the user may configure and execute as many as 10 Lyric Macros which are stored solely on the playout device, outside of any Playlists (or constituent messages) distributed by CAMIO.

iSQ's Macros facility offers assignment of ten key combinations on the iSQ Viewer software, for ready triggering of Macros saved and executed on the playout device running the iSQ Service.

Controls in the iSQ Service application

Discussion of this feature must begin with the relevant part of the **iSQ** <u>Service</u> software. The iSQ Service software is documented in full later in this publication.

Note

UNTIL OTHERWISE NOTED, ALL USER INTERFACE DETAILS REFER TO THE <u>iSQ</u> <u>SERVICE</u> SOFTWARE.

 ON THE PLAYOUT DEVICE, locate the Chyron iSQ Server icon in the system tray, and right-click. The context menu pictured in Figure 44 appears.



Figure 44. The iSQ Server icon in the **playout device's** system tray, with its context menu.

• Select **Configure iSQ Service**. The Configure iSQ Service menu appears.

Application
Configure
Refresh Reload Apply Close

Figure 45. The Configure iSQ <u>SERVICE</u>'s Plugins menu.

• Be sure that the Lyric Output Plugin's checkbox is selected, and *highlight* the plugin itself. Click **Configure**. The Lyric Output Plugin Configuration dialog opens.

yric Output Plug-in Con	nfiguration
Plug-In	★ Macros
 General Crash Recovery Macros Lyric Pro 	can be used. Any changes made may require a restart of the iSQ Service in order to take effect

Figure 46. iSQ Service's Lyric Output Plugin Configuration – Macros dialog

- Click the Add button.
- The Add Lyric Macro dialog appears. Note that most Macro files composed for use with this iSQ feature will bear the **.Imx** extension.

The Macros you wish to use should be saved in a file named, specifically, **Lyric.Imx**. That file should be saved in the installation directory of the version of Lyric being used with iSQ. The Lyric.Imx file will load automatically when Lyric is launched, and will be ready for use.

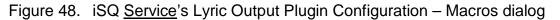
Alternately, you may use the dialog pictured in Figure 47 to browse to the desired Macro file at another location.

Add Lyric Macro					<u>? ×</u>
Look in:	C Lyric 7.0		•	G 👂 📂 🖽-	
My Recent Documents Desktop My Documents My Computer	 eFX Converter License Plugins SafeNet Shaders Iyric.Imx 				
My Network	File name:	lyric.lmx		-	Open
Places	Files of type:	Lyric Macro Files		•	Cancel

Figure 47. Selecting a Lyric Macro file

If multiple Macros are recorded in the selected Macro file, the entry may be expanded by clicking H.

Plug-In *	Macros Lyric macros can be triggered from the iSQ Viewer application. Only the macros in the listing
🙈 General	can be used. Any changes made may require a restart of the iSQ Service in order to take effect
🍯 Crash Recovery	Enable remote macro support
Macros	Name:
-	
- Lyric Pro	Erase2
	SampleText2 Description:
	·····································
	AddLargeBitmapAsMovable
	AnimateUtahTeapot
	SampleRoll1
	Add Bemove



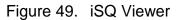
- For informational purposes, highlighting an individual Macro will display its distinctive Name and any additional **Description** that was added when the Macro was originally created in Lyric.
- Each Macro file and the individual Macros it contains *must be designated for recognition by iSQ Viewer*. For this purpose, select each Macro's respective checkbox. All may be enabled by at once by clicking the Macro **file's** checkbox.
- The Undo Changes reverses previous changes made to selections for activation on the Macros list, but does not delete Macros files completely.
- Macro files may be deleted from the list with the **Remove** button.
- Changes should be saved with the **Save** button, which in turn closes the Macros menu and returns the Configure iSQ Service menu.
- Shut down the **iSQ Service** on the playout device and re-launch the application to implement the changes that have been made.

Note

DISCUSSION OF THE MACROS FEATURE NOW RETURNS TO COMPONENTS OF THE ISQ VIEWER INTERFACE. ALL SUBSEQUENT ILLUSTRATIONS AND INSTRUCTIONS IN THIS SECTION PERTAIN TO ISQ VIEWER.

Launch the iSQ Viewer application. Select the Configure icon from the toolbar to assign key combinations to available Macros for use with iSQ Viewer.

Version 2.2.29.9
Current View: Rundown Service
AVAILABLE 🧿



Select the Macros configurations group at the left side of the menu, to open the Macros dialog.

Configure iSQ Service Viewer				
iSQ Viewer	Macros These options are used for t	he configuration of the ten	most used Macros on a remote S	ervice. Macros can be quickly
iSQ Viewer Image: Playlist Viewer Image: General Image: Servers Image: GPl Image: Cogging Image: Playlist Image: Playlist Appearance Image: Quick Edit Image: Quick Edit	These options are used for the Playlist View Slot Service 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 0 -	he configuration of the ten iewer by pressing Ctrl+Shi	most used Macros on a remote S ft+Alt and the slot number. Macro	ervice. Macros can be quickly
	Restore			Close

Figure 50. iSQ Viewer's Macros menu.

The ten dropdown menus allow the user to select from the playout devices (see page 11) currently configured in iSQ Viewer. These dropdowns, where populated, will look something like this:



• When one of the available output devices ("Service") is selected, another dropdown appears, allowing the user to choose from **Macro Files** available on that machine.

Slot	Service	Macro File	
1 ·	lewssys	Viric.lmx	•

• When a Macro file is selected, all of the individual Macros within that file are presented in another dropdown:

Slot	Service	Macro File	Macro	
1 · [lewssys 💌	lyric.lmx 💌	Erase1	×
2 · [•	[Erase1 Erase2 Hello	
з - [•	[Hello	

• Additionally, a Delete button appears for removing the selection.

In this manner, as many as 10 Macros across all configured playout devices may be assigned to each of iSQ Viewer's Macro "slots". Macros configured on one given playout device will not execute on other playout devices connected with iSQ Viewer. Refer to Figure 51.

5Q Viewer	-Macros-							
SQ VIEWEI						ost used Macros on a rer Alt and the slot number.		s can be quickly
Playlist Viewer								
General	Slot	Service		Macro File		Macro		
Servers			_		_			
GPI	1 -	lewssys	-	lyric.lmx	•	Erase1	×	
Logging	2 -	lewssys	-	lyric.lmx	•	Erase2 💌	×	
Playlist	3 -	lewssys	-	lyric.lmx	-	Hello	×	
Playlist Appearance	4 -	lewssys	-	lyric.lmx	-	SampleText2	×	
Quick Edit		liewssys		-	_			
Automation	5 -	lewssys	-	lyric.lmx	•	SampleText3	×	
Plug-ins	6 -	lewssys	-	lyric.lmx	•	SampleText4	×	
Nacros	7 -	lewssys	-	lyric.lmx	-	Animate3dCone	×	
🔉 Keyboard					_			
	8 -	lewssys	_	lyric.lmx	•	AddLargeBitmapAs 💌	×	
	9 -	lewssys	-	lyric.lmx	•	AnimateUtah Teap 💌	×	
	0 -	lewssys	-	lyric.lmx	-	SampleRoll1 -	×	
		, .		,.	_			

Figure 51. iSQ Viewer's Macros menu with all 10 possible Macros assigned.

With the Macro assignments seen in Figure 51, the Macro "Erase1" can be triggered by the key combination Ctrl+Shift+Alt+1, "Erase2" by Ctrl+Shift+Alt+2, and "Hello" by Ctrl+Shift+Alt+3.

NOTE that the key combination Ctrl+Shift+Alt+10 will be offered. The actual key combination to be used in executing Macro number 10 is Ctrl+Shift+Alt+0.

This will be corrected in Version 2.2 of the iSQ software.

As above, any of the assignments may be deleted with its entry's 🔀 button.

Using Macros from the iSQ Playlist Viewer

After assignment as above, quick access to these Macros is available on the iSQ Playlist Viewer interface. On the

Viewer, locate the **Remote Macros** button:

When clicked, the Remote Macros displays the configured Macros. Note that each of these Macros can be triggered by clicking on its entry in the list. The key combinations that will trigger each one are also listed, as seen in Figure 52:

*	iSQ Playlist View	er							
r.	2						-		CS/NEWSH(
	LEWSSYS	5 Chann	el: 1				LEWSSYS	6 Chan	nel: 2
	r 🚽 🖓		👿 🖒 🍪 🗸	2	3 -		->		👿 🤇
					lyric.lmx 🕨	Erase1		Ctrl+Alt+Sh	ift+1
						Erase2	N	Ctrl+Alt+Sh	ift+2
						Hello	2	Ctrl+Alt+Sh	ift+3
						Sample	Text2	Ctrl+Alt+Sh	ift+4
						Sample	Text3	Ctrl+Alt+Sh	ift+5
					DEBATE REACTION	Sample	Text4	Ctrl+Alt+Sh	ift+6
					DEBAIL REACTION	Animat	e3dCone	Ctrl+Alt+Sh	ift+7
						AddLar	geBitmapAsMovableBG	Ctrl+Alt+Sh	ift+8
		Story ID	Name	Spee		Animat	eUtahTeapot	Ctrl+Alt+Sh	ift+9
		A-02	EVENING NEWS\00010	15		Sample	Roll1	Ctrl+Alt+Shif	t+10 NG
	- 	A-02	EVENING_NEWS\00010	15			🔿 🎲	A-02	EVENING
		A-02	EVENING_NEWS\00010	15				A-03	EVENING
		A-02	EVENING_NEWS\00010	15				A-04	EVENING
		A-02	EVENING_NEWS\00010	15					
		A-03	EVENING_NEWS\00010	15					
		A-03	EVENING_NEWS\00010	15					
		A-03	EVENING_NEWS\00010	15					
		A-03	EVENING_NEWS\00010	15					
		A-04	EVENING_NEWS\00010	15					
		A-04	EVENING_NEWS\00010	15					

Figure 52. Access to Remote Macros on the iSQ Playlist Viewer interface.

NOTE that the key combination **Ctrl+Alt+Shift+10** appears in the dropdown menu pictured above. The actual key combination to be used in executing Macro number 10 is **Ctrl+Alt+Shift+<u>0</u>**.

This will be corrected in Version 2.2 of the iSQ software.

3. iSQ Playlist Service Setup

Registering Lyric with iSQ Playlist Service

On the output device running iSQ Service, the desired version of Lyric must be **registered** with iSQ. Registration may be performed via the Chyron system's **Run** dialog.

Enter the path of the desired Lyric version's installation directory, followed by the word register.

For example, in registering a Lyric 7.0 installation with iSQ, the user would enter:

"C:\Program Files\Chyron\Lyric 7.0\Lyric.exe" - register

Note that the path to the Lyric executable must be entered with the quotation marks shown, and must be followed by a space, a dash and another space before the word **register**.

Run ? 🗙
Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
Open: "C:\Program Files\Chyron\Lyric 7.0\Lyric.exe" - register 💌
OK Cancel Browse

Figure 53. Registering Lyric with the iSQ Service. Where more than one version of Lyric is installed, be sure to register the one that you intend to use with iSQ.

System Tray Icon

iSQ Service configuration was first touched on in the Macros section of the iSQ Viewer documentation, on page 35. Here, we explore all of the controls in iSQ Service's menus.

Full details on operating the iSQ Service appear on Page 65 and for iSQ Viewer, on Page 77. Note that the iSQ Service must be running to make configuration settings.

On the playout device, launch iSQ Service with the *icon* in your Start menu or the equivalent shortcut on your desktop. **Note** that the version of Lyric you registered above will also launch.

Locate the Chyron iSQ Server icon in the system tray, and right-click. The context menu pictured in Figure 54 appears:



Figure 54. iSQ Server icon in the playout device's system tray, with its context menu

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- **Configure iSQ Service** is discussed in detail in the following section on Page 45.
- About iSQ Service opens the product's splash screen, which specifies the version number of the software currently installed on your system.
- Shut Down Server disconnects the playout device's intake of Running Orders from CAMIO and delivery of Playlists to iSQ Viewer. This action also closes the instance of Lyric that has been running in concert with the iSQ Service.
- **Show Lyric Interface**: If Lyric is running on the playout device with its interface minimized, clicking this menu selection maximizes Lyric.
- Request New Rundown queries CAMIO for any updated Running Orders.
- **Dump BMML to File** copies the contents of all Running Orders currently being received into plain text, in Chyron's proprietary **Broadcast Media Markup Language** (BMML). Such files are used primarily for diagnostic purposes, and may be opened in Notepad or other simple text-editing programs.

iSQ Playlist Service Configuration

In the context menu shown in Figure 54, choose **Configure iSQ Service**, to make a number of important settings.

Reload, Apply and Close buttons

These buttons appear on each of the major panels corresponding to the setting types seen on the left-hand side of these menus. Variations on these controls may appear on sub-menus, especially those used to configure plug-ins. Such variations will be explained where appropriate.

- **Reload**: Changes made to the current configuration panel since the last Save may be undone with this button. Note that this reset affects only the panel currently being configured, and NOT all of the settings in these menus.
- Apply: Saves the current configuration. Note that some changes will require restart of the iSQ Service.
- **Close**: Exits the iSQ Playlist Service Configuration panel completely. Any **changes made will be applied** without the system requesting confirmation.

General

Configure iSQ Service	
Application *	General Settings
General Cogging Viewer Options Plugins	Local Service Port: 5005 Target Registry Port: 5005 Camio Service Port 10542 Behavior Cue Back Split by Channels Retain Playing Item (Requires Restart) Unpause Across All Items
	Use Default Effects (Requires Restart) Enable Two-Stage Take (No auto-loading of next item; Requires Restart) Reload Apply Close

Figure 55. Configure iSQ Service menu, General

General Settings

Note that this General Settings menu is **not** to be confused with the "General" settings page that appears when one configures the Lyric Output Plugin, as discussed on page 54.

- Local Service Port: The port through which the playout device running iSQ Service receives commands from the system running iSQ Viewer. The default is port 5005.
- **Target Registry Port**: Specifies the port used by the Lyric Playlist Plug-in. This is usually the same as the Local Service Port.
- **CAMIO Service Port**: Specifies the port through which the playout device receives Running Orders from the CAMIO server. The Default Value is 10542.

Behavior

- Cue Back: No longer supported.
- **Split by Channels**: Not enabled in this release.
- Retain Playing Item: Note that updated Running Orders may be received by the iSQ Service at any time, and thus update the Playlist running on the iSQ Playlist Viewer. It is possible that a newly-received Running Order may not include the Playlist item currently playing on Output.

With this option selected, such a Running Order omitting the message currently on-air <u>will not</u> delete that item from the Playlist or cancel its playout (erasing it from Output). The message currently on-air will therefore be allowed to complete playout.

With this option not selected, a new Running Order omitting the message currently on-air WILL delete that item from the Playlist and cancel its playout (erasing it from Output).

With the option not selected, a now-unneeded item will remain visible on the Playlist until a subsequent new Running Order, also omitting the unneeded item, is received by iSQ Service.

As specified on the interface, selecting this option requires shutdown and restart of iSQ Service.

- **Unpause Across All Items**: With this option selected, the Release Pause **II** button on the iSQ Playlist Viewer (or the *used* button on Cueboard) will unpause all Paused messages on all currently running Playlists. With the option not selected, the Release Pause button affects only the Playlist in which the button is clicked.
- Use Default Effects: With this option selected, iSQ-ordered Takes are executed using Lyric's currently set Default Effects, overriding any Lyric effects that are originally programmed into the Lyric messages contained in the Playlist. See the section documenting the Lyric Output Plugin Configuration menu's Configure Effects Map panel on page 54.
- Enable Two-Stage Take: (As specified on the interface, selecting this option requires shutdown and restart of iSQ Service.) "Two-Stage Take" is the widely-used configuration wherein clicking or pressing Take once loads a story element and its Lyric message(s), and a second Take command plays the item to Air.

De-selecting this item causes a single Take command to load and play the next item on the Playlist with a single keystroke (or Cueboard button-press).

Logging

This facility works similarly to the Logging software present on the system running iSQ Viewer.

To configure the iTech Logging Software or work in detail with the logs it produces, refer to the iSQ Installation Notes, Chyron Publication Number 2A02304.

Configure iSQ Service			
	_		_
Application *	Config File		
🙈 General	Conlighte	C:\Chyron\LogConfigFile.icf Select	
🌛 Logging		Edit Config File	
Viewer Options			
👧 Plugins		ViewLog Server Settings	
	Reload	Apply Close	1

Figure 56. Configure iSQ Service menu, Logging

- The **Config File** field displays the folder where the log file is stored.
- Select allows the user to choose another file of the appropriate type for logging current events in the iSQ software.
- Edit Config File opens the ITConfigManager dialog, which allows the user to create and configure new log files or open and edit existing ones. This dialog contains a wide variety of options; additional support resources for iTech logger are available at http://www.itech-software.com.

😔 LogConfigFile.icf - ITConfigManager	
File View Help	
Log-Channel Settings	Timer Setting
Log-Channel LogMsg Forwarding Registered Modules Registered Cases	Config-File
Selected Log-Channel	Reload Period [s]:
Set Forward(s)	1
Remove Forward	
- Destination Settings	
Output 🔹 ILF 🔹 TXT 🔹 HTML 🔹 XML 🔹 LogServer	
Active Type Resource Settings	
C ILF Max File Size (KB): 1000 Log-Channel Dir: %TEMP%\StdLog	
© TXT O HTML Max Files Per Run: 5 Text Template:	Create
C LogServer	
Use Creation Filter	Edit
, Ready	

Figure 57. The iTech ITConfigManager dialog.

- Back on the Configure iSQ Service Viewer Logging page, the **View Log** button opens the current log being maintained by iTech Logger, and offers access to other logs saved on the system running iSQ Viewer.
- Server Settings also opens the ITConfigManager dialog, as seen in Figure 57.

Viewer Options

Note that while iSQ Viewer runs on a different system than iSQ Service, iSQ Service maintains an interest in the configuration of the Playlist Viewer interface. iSQ is set up in this manner so that one "master" system running iSQ Viewer can dictate a consistent Viewer appearance across multiple Viewer systems.

Refer to the section on Page 83, regarding iSQ Playlist Viewer configuration for details on varying the Playlist Viewer's appearance, and the files created and modified when user adjustments are made to the Viewer interface.

Custom layouts of the Playlist Viewer may be saved on the Viewer system as files bearing the extension .view, as seen in Figure 58. Note that the dialogs shown are a reference to the <u>iSQ Playlist</u> <u>Viewer interface</u> and do not appear on the iSQ Service.

View Options		2			
View Configuration File			1		
Current view settings file: 103108 View	Variation 2.view				
Use a Local File Use a file st	ored on this machine				
Save Current Settings Save the c	urrent grid settings ar	nd use local file.			
Use iSQ Service File Uses the re	Save a View Opti				<u>?×</u>
Upload Settings Uploads th	Save in:	Cons	•	G 💋 📂 🖽 -	
Playlist Actions	My Recent Documents Desktop My Documents My Computer	Plugins 103108 View Vari 103108 View Vari documentation la documentation la speed column exp	ation.view yout.jim.view		
	My Network Places		103108 View Variation 2.view /iew Options Files (*.view)	•	Save Cancel

Figure 58. Playlist layout **.view** files, created on the iSQ Playlist Viewer. These files are uploaded to iSQ **Service**, where they may be opened as .XML files.

Configure iSQ Ser v ice	
Application	Viewer Options
 General Logging Viewer Options Plugins 	Restore Default Configuration Backup Current Backups pvcbck_Thursday, October 30, 2008 at 11_29_50 AM.xml Restore Remove
	Reload Apply Close

Figure 59. Configure iSQ Service menu, Viewer Options

- **Restore Default Configuration**: A default layout and color scheme for Playlist Viewer are part of the iSQ software. Clicking this button restores that default layout.
- **Backup Current**: When a Viewer layout file other than the default has been received and put into effect, this button creates a duplicate of the iSQ Service's .xml file:

Configure iSQ Service				
Application *	Viewer Options			
 General Logging Viewer Options Plugins 	Restore Default (Backups pvcbck_Friday, 00 pvcbck_Friday, 00 Restore	Configuration ctober 31, 2008 at 12_08 ctober 31, 2008 at 12_11	3_15 PM.xml	Remove
	Reload		Apply	Close
🚞 C:\Program Files\Chyron\iSQ !	5ervice			_ _ ×
File Edit View Favorites To	ols Help			
😋 Back 👻 🕤 - 🎓 🔎	Search 🔂 Folders	B > × ×	2	
Address 🛅 C:\Program Files\Chyron	\iSQ Service			▼ 🗲 Go
Name		Size Type	Date N	1odified 👻 🔺
 pvcbck_Friday, October 31, 2008 iSQService_cfg PluginConfig.xml Playlist Service.exe.Config ViewOptionsConfig.xml subble Friday, October 21, 2009 		3 KB XML Docume 1 KB CFG File 1 KB XML Docume 3 KB CONFIG File 3 KB XML Docume	10/31/ ent 10/31/ 10/31/ ent 10/31/	2008 12:11 PM 2008 12:09 PM 2008 12:08 PM 2008 12:08 PM 2008 12:08 PM
Playlist Service.exe Chyron.Playlist.PlaylistService.dl	at 12_08_15 PM.XMI—	3 KB XML Docume 392 KB Application 68 KB Application I	9/12/2	2008 11:58 AM 2008 9:40 AM 2008 9:40 AM

Figure 60. Both the original and backup Playlist Viewer layout files are kept at the root of the iSQ Service installation directory on the output device.

- **Restore**: The Backups field seen at top in Figure 60 may contain several versions of Playlist Viewer layout files. Clicking one and selecting Restore (**as opposed to <u>Restore Default</u>**) will replace settings being used in the currently selected file.
- **Remove**: Deletes the XML file highlighted in the Backups field from its location on the system.

Plugins

Configure iSQ Service						
Application *	Service Plugins You may select which plugins you wish to have loaded when iSQ Service starts.					
 General Logging Viewer Options Plugins 	Available Plugins: ✓ iSQ CAMIO Ingest ✓ Lyric Output Plugin ✓ XClyps Output Plugin ✓ iSQ Native Ingest	Plugin Information Name: Lyric Output Plugin Version: 2.2.29.9 Description: Allows ability to interface and communicate with Lyric through ISQ.				
	Reload	Apply Close				

Figure 61. Configure iSQ Service menu, Plugins; several detailed sub-menus are accessed from this menu

Each plugin offers different configuration options when highlighted and selected on the menu. When each is highlighted, the plugin's name, version and description information are displayed.

iSQ CAMIO Ingest plugin

Service Plugins					
You may select which plugins you wish to have loaded when iSQ Service starts.					
Available Plugins:	Plugin Information Name: iSQ CAMIO Ingest Version: 1.0.0.0 Description: Allows BMML output from CAMIO to be ingested				
	Configure				
Refresh					



As described on the menu, the iSQ CAMIO Ingest plugin is the means by which iSQ Service receives BMML (containing running orders based on the NRCS rundown).

There are no configuration settings other than enabling and disabling the plugin. Disabling the plugin disconnects iSQ's from CAMIO and puts iSQ into Offline Mode as discussed in the section on the Quick Edit feature, on Page 30.

Offline status is also noted in iSQ Service's application window, which can be seen superimposed over the Lyric interface when the system tray icon is double-clicked:

Lyric - Canvas1	and the second
File Chyron iSQ Service	
Welcome to the iSQ Service	<u> </u>
Boot State:	В
Health Monitor: Enabled Ingest Plugins: 2 loaded Ingest State: Online Mode (Ingest Enabled) Received Playlists from Ingest: iSQ CAMIO Ingest: Available: 3 > CHYNRCS/NEWSHOW.SQA_DEMO.RUNDOWN for 1 > CHYNRCS/NEWSHOW.SQA_DEMO.RUNDOWN for 2 > CHYNRCS/NEWSHOW.SQA_DEMO.RUNDOWN for 3 Received Playlists from Ingest: iSQ CAMIO Ingest: Available: 3 -> CHYNRCS/NEWSHOW.SQA_RAF.RUNDOWN2 for 1 -> CHYNRCS/NEWSHOW.SQA_RAF.RUNDOWN2 for 2 -> CHYNRCS/NEWSHOW.SQA_RAF.RUNDOWN2 for 3	31 (S
Configuration	Shutdown

Figure 63. iSQ Service application window.

Lyric Output plugin

The Lyric Output plugin manages four important sets of adjustments governing iSQ's relationship with the Lyric application running on the output device.

Service Plugins						
You may select which plugins you wish to have loaded when iSQ Service starts.						
Available Plugins:	Plugin Information					
 iSQ CAMIO Ingest ✓ Lyric Output Plugin XClyps Output Plugin iSQ Native Ingest 	Name: Lyric Output Plugin Version: 2.2.29.9 Description: Allows ability to interface and communicate with Lyric through ISQ.					
Refresh						

Figure 64. iSQ Service Plugins: Lyric Output Plugin, initial view of panel

Pressing the Configure button gives access to the four parts of the plugin:

Lyric Output plugin: GENERAL

yric Output Plug-in Configuration	
Plug-In * General • Crash Recovery • Macros • Lyric Pro •	General These options will allow customization of general Lyric and iSQ features. Any changes made may require a restart of the iSQ Service in order to take effect. Image: Close Lyric on Plugin Startup Image: Clear Clip on Stop Lyric Poll Interval: 100 milliseconds Lyric Actions: Show User Interface Transitions / Effects
	Undo Changes Save Cancel

Figure 65. Lyric Output Plugin Configuration: General

- Close Lyric on Plugin Startup: If a "regular" instance of Lyric is running, not in concert with iSQ, it will be closed upon iSQ Service startup, if this option is selected. The version of Lyric registered with that playout device's iSQ Service will then launch.
- **Clear Clip on Stop**: With this option checked, clips running as part of a Lyric message in a Playlist will be cleared from Output(s) when the message is stopped or replaced by a subsequent message.
- Lyric Poll Interval: The frequency with which the Lyric software checks for new playout commands from iSQ. Adjustable in milliseconds.
- Lyric Actions
 - **Show User Interface**: If Lyric has been set to run with its interface hidden (as in "Show Lyric Interface" on the context menu on page 45), this button will open Lyric on iSQ Service's monitor.
 - **Transitions/Effects**: iSQ normally executes the Lyric messages contained in CAMIO-originated Playlists, using the **original composition** of those Lyric messages, including any specific transitions programmed into those Lyric messages. This is the case if the **Use Default Effects** checkbox is *not selected* on the General settings menu seen on page 47.

<u>With the **Use Default Effects** checkbox selected</u>, the iSQ Playlist Viewer user may apply familiar Lyric Default Effects, which have been configured in the version of Lyric residing on the iSQ Service playout device.

These effects may be invoked from the iSQ Playlist Viewer interface (see Page 78) but must first be set up in the menu being discussed here.

The Transitions/Effects button opens the Configure Effect Maps menu:

Configure Effect Ma	aps					×	
Effect maps allow you to configure which effect alias will trigger which pair of effect-in and effect-out transitions when taking an item to air.							
Select the Effect M	Select the Effect Mapping below and click the "Add" button						
Alias Name	Effect-In	In Directio	n	Effect-Out	Out l	Direction	
•				->			
Currently Mapped D	efault Effects:				A	dd Effect	
Push 🔽	Push	-Left	·>	Push	▼ Right	▼ ×	
Wipe 💌	Wipe	 Right 	 >	Wipe	▼ Left	▼ ×	
Default				0	Cancel	Close	

Figure 66. Configure Effect Maps

Operating this menu is simply a matter of assigning pre-configured transition effects to names that will later appear in a drop-down menu on the iSQ Playlist Viewer interface.

In total, this menu may contain as many as seven configurations, with each configuration attaching an **Alias Name** to an **Effect-In**, a direction for that effect, an **Effect-Out**, and a direction for that that effect. You will see that these are all familiar variables from the choices available in setting up Default Effects in Lyric in situations outside of iSQ/CAMIO environments.

By default, the menu contains basic Push-in-from-left-and-Push-out-to-right and Wipe-in-from-leftand-Wipe-out-to-right effects. Five more of these effect assignments may be set up, and the first two changed to any effect scheme desired by the user.

In the explanation that follows, we will begin by adding a third effect assignment.

Note

Again, remember that this discussion of setting up these effects will be followed by instructions on triggering the effects from the Playlist Viewer interface!

Select an Alias Name from the dropdown menu at extreme left:

	Configure Effect Maps								
	Effect maps allow you to configure which effect alias will trigger which pair of effect-in and effect-out transitions when taking an item to air.								
•	Select the Effect N	Mapping below an	d click the "Add" I	outton					
:	Alias Name	Effect-In	In Directio	n	Effect-Out	Ou	t Direction		
:	Page Turn 💌]		▼;	> [•	•		
1	None Dissolve Hinge)efault Effects:					Add Effect		
	Page Turn Push J Sgz-In	Push	- Left	▼ >	Push	▼ Right	▼ ×		
	Sqz-Out Wipe	Wipe	- Right	▼ >	Wipe	▼ Left	▼ ×		

Select the actual In effect from the dropdown menu:

Configure Effect Maps					×			
Effect maps allow you to configure which effect alias will trigger which pair of effect-in and effect-out transitions when taking an item to air.								
Select the Effect Mapping	g below and click (the "Add" button						
Alias Name El	ffect-In	In Direction	Effect-Out	Out D	irection			
Page Turn 💌	Page Turn 📃 💌	Upper Left 💌	->	-	-			
Currently Mapped Defau	None Dissolve Hinge			Ad	dd Effect			
	Page Turn Push	Left 💽>	Push	💌 Right	• ×			
Wipe 👻 VS	δqz-In δqz-Out Wipe	Right 	Wipe	▼ Left	• ×			

Select from the available directions for the selected effect-type:

Configure Effect Maps		×							
Effect maps allow you to configure which effect alias will trigger which pair of effect-in and effect-out transitions when taking an item to air.									
Select the Effect Mapping be	elow and click the "Add" button								
Alias Name Effec	t-In In Direction	Effect-Out Out Direction							
Page Turn 💌 Page	e Turn 🔽 <mark>Upper Left</mark> 💌 -	> 							
Currently Mapped Default Eff Push	Upper Left	Add Effect							

Select the actual Out effect from the dropdown menu:

Configure Effect Maps			×
	onfigure which effect alias will trig tions when taking an item to air.	ger which pair of	
Select the Effect Mapping be	low and click the "Add" button		
Alias Name Effec	t-In In Direction	Effect-Out	Out Direction
Page Turn 💌 Page	e Turn 💌 Upper Left 💌	> Page Turn	Upper Right 💌
Currently Mapped Default Eff	ects:		Upper Left Up Upper Right
Push 🔽 Push	▼-Left ▼	> Push 💌	Rig Right
WipeWipe	▼-Right ▼	> Wipe	Lower Left Lef Down Lower Right

With the effect Alias Name, Effects-In and –Out types, -In and –Out directions chosen, press the **Add Effect** button, and a new mapped Default Effect is added to the list of those that will be available from the Playlist Viewer interface:

Configure Effect Maps			×							
Effect maps allow you to configure which effect alias will trigger which pair of effect-in and effect-out transitions when taking an item to air.										
Select the Effect Mapping belo	ow and click the "Add" button									
Alias Name Effect-	In In Direction	Effect-Out	Out Direction							
Page Turn 💌 Page	Turn 💌 Upper Left 💌	> Page Turn	▼ Upper Right ▼							
Currently Mapped Default Effe	cts:		Add Effect							
Push 🔽 Push	▼-Left ▼-	> Push	Right							
WipeWipe	▼-Right ▼-	> Wipe	Left 💌 🗙							
Page Turn 🔽 Page T	urn 💌 - Upper Left 💌 -	> Page Turn	Upper Right 💌 🗙							

This procedure may be repeated up to seven times; remember that the two mappings appearing by default may be edited using the same steps outlined above:

Configure Effe	ect Map	s					X				
	Effect maps allow you to configure which effect alias will trigger which pair of effect-in and effect-out transitions when taking an item to air.										
Select the Effect Mapping below and click the "Add" button											
Alias Name		Effect-In	In Direction		Effect-Out	Οι	It Direction				
Dissolve	•	Dissolve	- N/A		-> Dissolve	• N	/A 💌				
Currently Map	ped Def	fault Effects:					Add Effect				
Dissolve	•	Dissolve	▼-N/A	▼ >	Dissolve	▼ N/A	▼ ×				
Hinge		Hinge	💌 - Top, Inward	▼ >	Hinge	Bottor	n, Outw 🔻 🗙				
Page Turn	•	Page Turn	 Upper Left 	▼ >	Page Turn	Lowe	r Right 💌 🗙				
Push	y	Push	-Left	·>	Push	 Right 	▼ ×				
Sqz-In	•	-Sqz-In	▼-N/A	▼ >	Sqz-Out	▼ N/A	▼ ×				
Sqz-Out	—	-Sqz-Out	▼ - N/A	·>	Sqz-In	▼ N/A	▼ ×				
Wipe	·	Wipe	▼ - Left	• >	Wipe	▼ Right	• ×				
Default					(Cancel	Close				

The x button to the right of each listing may be used to remove that particular effect mapping from the list.

Lyric Output plugin: CRASH RECOVERY

Figure 67. Lyric Output Plugin Configuration: Crash Recovery

- **Retry Attempts**: The user may dictate how many times the output device will attempt to restart Lyric following a crash. The default value is 3 and the maximum number of attempts is 100.
- **Restart Delay**: iSQ can be set to determine how long the output device waits before attempting to restart Lyric following a crash. The default value is 7 seconds.
- **Grace Timeout**: The user may dictate the interval between iSQ's attempts to restart Lyric after a crash. The default value is 10 seconds.
- **Poll Interval**: The user may dictate the frequency with which iSQ checks with Lyric to see if Lyric is running. The default value is 3 seconds.

Use the default values seen in Figure 67.

Lyric Output plugin: MACROS

During normal iSQ Playlist operation, the user may run Macros which are stored solely on the playout device, outside of any Playlists (or constituent messages) distributed by CAMIO.

These settings offer assignment of ten key combinations on the iSQ Viewer software, for ready triggering of Macros saved and executed on the playout device running the iSQ Service.

		Macros
Plug-In	*	Lyric macros can be triggered from the iSQ Viewer application. Only the macros in the listing
🙈 General		can be used. Any changes made may require a restart of the iSQ. Service in order to take e
🍯 Crash Recov	ery	Enable remote macro support
Macros		Name:
🚥 Lyric Pro		
		Description:
		Add Remove
		Undo Changes Save Cance

Figure 68. iSQ Service's Lyric Output Plugin Configuration – Macros dialog

- Click the **Add** button.
- The Add Lyric Macro dialog appears. Note that most Macro files composed for use with this iSQ feature will bear the .Imx extension. Such Lyric Macro files are usually saved in the root directory of the version of Lyric that is being used. A Lyric.Imx file, saved in the same folder as the Lyric.exe, will automatically load when the Lyric.exe is launched.

Select the Lyric Macro file at the location above, or use the dialog to browse to the desired Macro file at another location.

Add Lyric Macro					<u>? ×</u>
Look in:	C Lyric 7.0		•	3 🖻 🖻 🖽 -	
My Recent Documents Desktop My Documents My Computer	Converter License Plugins SafeNet Shaders				
My Network Places	File name:	lyric.lmx		•	Open
	Files of type:	Lyric Macro Files		•	Cancel

Figure 69. Selecting a Lyric Macro file

If multiple Macros are recorded in the selected Macro file, the entry may be expanded by clicking H.

Plug-In 🎗	Macros Lyric macros can be triggered from the iSQ Viewer application. Only the macros in the listing
🙈 General	can be used. Any changes made may require a restart of the iSQ Service in order to take effect
🥖 Crash Recovery	Enable remote macro support
Macros	□ 🔽 🏹 lyric.lmx Name:
-	
- Lyric Pro	Erase2
	SampleText2 Description:
	SampleText3
	AddLargeBitmapAsMovable
	AnimateUtahTeapot
	SampleRoll1
	Add Remove

Figure 70. iSQ <u>Service</u>'s Lyric Output Plugin Configuration – Macros dialog

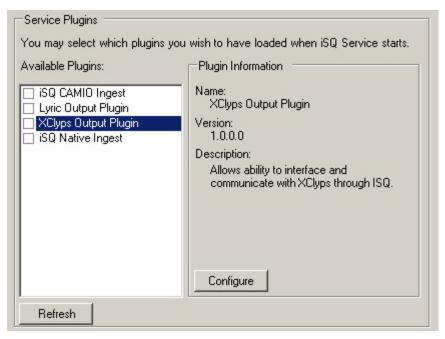
- For informational purposes, highlighting an individual Macro will display its distinctive Name and any additional **Description** that was added when the Macro was originally created in Lyric.
- Each Macro file and the individual Macros it contains *must be designated for recognition by iSQ Viewer*. For this purpose, select each Macro's respective checkbox. All may be enabled by at once by clicking the Macro **file's** checkbox.
- The Undo Changes reverses previous changes made to selections for activation on the Macros list, but does not delete Macros files completely.
- Macro files may be deleted from the list with the **Remove** button.
- Changes should be saved with the **Save** button, which in turn closes the Macros menu and returns the Configure iSQ Service menu.

Lyric Output Plugin Configuration: LYRIC PRO

If iSQ is driving Lyric PRO, with its capacity for multiple transitions and persistent messages, on the output device, the user may wish to define the precise effect of a **Stop** command issued by iSQ Playlist Viewer.

With this checkbox Remove all items from output on "Stop" selected, all Clips, looping animations and persistent messages will be cleared from output frame buffers, regardless of their state of completion.

XClyps Output Plugin





This facility may not be operable in your version of iSQ. Use of iSQ with XClyps requires CAMIO version 3.1 and XClyps version 2.6 or later. Contact Chyron Customer Service for more information on currently recommended configurations.

iSQ Native Ingest Plugin

Service Plugins You may select which plugins you	ı wish to have loaded when iSQ Service starts.
Available Plugins:	Plugin Information Name: iSQ Native Ingest Version: 1.0.0.0 Description: Provides support for iSQ's native playlist format from iSQ Viewers for editing.
Refresh	

Figure 72. iSQ Service Plugins: iSQ Native Ingest

As described on the menu, the iSQ Native Ingest plugin allows iSQ's Service software component to interpret the playout instructions being issued by iSQ Viewer. There are no configuration settings other than enabling and disabling the plugin.

4. Operating the iSQ Service

Things to Remember

- Chyron strongly recommends starting the iSQ Service on the output device(s) before starting iSQ Viewer on its system.
- Lyric now runs strictly under the control of iSQ Service.
- Starting the iSQ Service on the playout device will start launch the device's registered installation version of Lyric. See Page 44 for information on registering a Lyric installation with the iSQ Service.
- With the current release, iSQ is now aware of changes made from the Lyric keyboard, such as a Pauserelease, and will update story status on the Playlist Viewer accordingly.
- With the current version of iSQ operating in concert with Lyric PRO, iSQ is aware of Lyric **persistent messages** that remain on screen after the subsequent message is played. Limited control over each persistent message may be exercised from the ISQ Viewer.

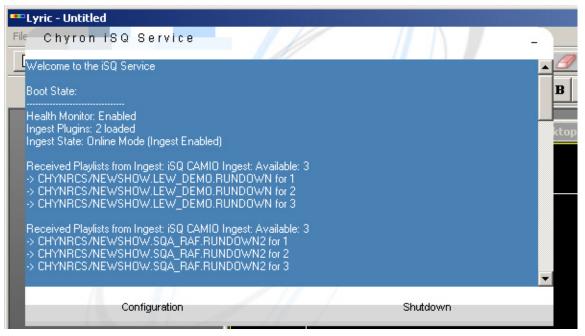
Starting iSQ Service and Lyric on the Output Device

On the playout device, launch iSQ Service with the *icon* in your Start menu or the equivalent shortcut on your desktop. Starting the iSQ Service on the output device normally launches Lyric.

iSQ Service Status

The application offers a ready means for checking the status of iSQ's (and its hardware devices') relationship with CAMIO.

Locate the Chyron iSQ Server icon in the system tray, and double-click. The status display shown in Figure 73 appears superimposed over the Lyric interface:





Boot State

- **Health Monitor**: Indicates that the **iSQ Service Health Monitor** on the iSQ Playlist Viewer is enabled. See Page 94 for further documentation of this Playlist Viewer feature.
- o Ingest Plugins: This element refers to the iSQ CAMIO Ingest and iSQ Native Ingest plugins.
- Ingest State: If this element reads "Online Mode (Ingest Enabled)", the iSQ CAMIO Ingest plugin is enabled and functioning. Accordingly, iSQ Service running on this output device is receiving Running Orders from CAMIO. (See the CAMIO Producer's Manual, Chyron Publication Number 2A02236, for more detail on the relationship between iSQ, CAMIO and the newsroom systems which create CAMIO's Running Orders.)
- **Playlist descriptions**: This area of the menu lists the Playlists currently being sent from iSQ Service to the iSQ Playlist Viewer, so that the Viewer system can control and monitor the output device(s). As discussed previously, iSQ Playlists are drawn from Rundowns, which the output device running iSQ Service receives from the CAMIO Server.

Stopping the iSQ Service on the Output Device

The iSQ Service may be closed from the icon in the system tray or the Shutdown option on the status display.

- Shutting down the iSQ Service will shut down Lyric.
- DO NOT stop Lyric with the File > Exit command or with the Windows 🗵 button while iSQ Service is running! It may cause unpredictable behavior in the output device *and* will leave Lyric running in the background, as may be observed in Task Manager > Processes.
- If the Lyric UI is unintentionally closed, it may be reopened from the iSQ Service item in the System Tray (see Figure 76 on Page 68).

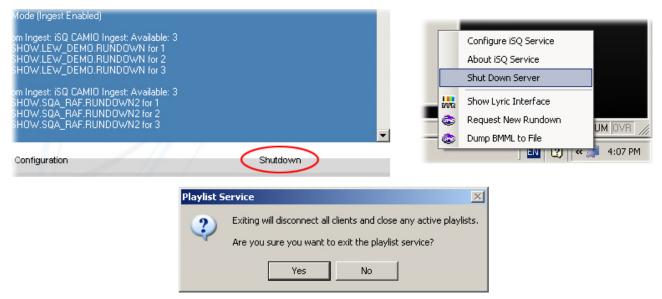


Figure 74. At upper left, closing the Service from the status display. At right, selecting shutdown from the system tray.

Stopping the service in either way opens the "Playlist Service" dialog seen in Figure 74, prompting the user to confirm shut down. Closing the iSQ Service on the output device shuts down the associated instance of Lyric, but does not close the **iSQ Viewer** application running on its separate system. Closing iSQ Service does however, leave the Playlist Viewer with nothing to monitor or control. When the iSQ Service is stopped, the iSQ Playlist Viewer's controls become grayed out and any thumbnails displayed are rendered black & white.

iSQ Service Viewer; Preparing to Operate the Playlist 5. Viewer

	st Viewer			Cł	IYNRCS/NEWS	но	N.S	OA RAF.F	RUNDOWN	12			_ 🗆 🗵
LEWS	SYS Chai	nnel: 1					lle -			nnel: 2			
	-	a 😨 🖒 -	🍪 🎜 🖻 s	<u>9</u> 9 -				, 📑 d	70 🌉 🛛	a 🔽 🖒 -	in the second	<u>.</u>	
				2	-								
	Story ID	Name	Description	Details	Speed	Ξ			Story ID	Name	Description	Details	Speed
۰ 🔿	15b	WPSD\00010024	15b @ WPSD 2 #	[00008023.lyr]	12			¢	15b	WPSD\00010013	15b @ WPSD 2 #	[00009507.lyr]	12
▶ <mark>⇔</mark>	15b 15b	WPSD\00010024 WPSD\00010134	15b @ WPSD 2 #	[00008023.lyr] [00009101.lyr]	12 12			<mark>⊉</mark> •	15b 15b	WPSD\00010013 WPSD\00010013	15b @ WPSD 2 # 15b @ WPSD 2 #	[00009507.lyr] [00009507.lyr]	
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	15b	WPSD\00010134	15b @ WPSD 2 #	[00009101.lyr]	12				15b	WPSD\00010013	15b @ WPSD 2 # 15b @ WPSD 2 # 15b @ WPSD 2 #	[00009507.lyr] [00009101.lyr] [00009501.lyr]	12 12 12 12 12
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	15b 15c 15c 15c 15c 15c 15c 15c 15c 15d	WPSD\00010134 WPSD\00010024 WPSD\00010016 WPSD\00010006 WPSD\00010009 WPSD\00010007 WPSD\00010009 WPSD\00010024	15b @ WPSD 2 # 15c @ WPSD 3 # 15d @ TAKE ESS 15d @ TAKE ESS	00009101.lyr] 100008023.lyr] 100009501.lyr] 100009101.lyr] 100009101.lyr] 100008023.lyr] 100008023.lyr] 100008023.lyr] 100009101.lyr] 100008023.lyr]	12 12 12 12 12 12 12 12 12 12 12 12 12	_			15b 15b 15b 15b 15b 15b 15b 15b 15c 15c	WPSD\00010013 WPSD\00010120 WPSD\00010021 WPSD\00010013 WPSD\00010100	15b @ WPSD 2 # 15c @ WPSD 3 # 15c @ WPSD 3 #	[00009507.3y] [00009101.1yr] [00009501.1yr] [00009501.1yr] [00009502.1yr] [00009502.1yr] [00009502.1yr] [00009507.1yr] [00009507.1yr] [00009501.1yr]	12 12
	15b 15c 15d 15d 15d 15d 15d 15d	WPSD\00010134 WPSD\00010024 WPSD\0001016 WPSD\00010006 WPSD\00010009 WPSD\00010007 WPSD\00010007 WPSD\00010009 WPSD\00010037	15b @ WPSD 2 # 15c @ WPSD 3 # 15d @ TAKE ESS 15d @ TAKE ESS 15d @ TAKE ESS	100009101.lyr] 100009231yr] 100009501.lyr] 100009101.lyr] 100009101.lyr] 1000080231yr] 1000080231yr] 1000080231yr] 1000095021yr] 1000095021yr]	12 12 12 12 12 12 12 12 12 12 12 12 12 1				15b 15b 15b 15b 15b 15b 15b 15b 15c 15c 15c	WPSD\00010013 WPSD\00010120 WPSD\00010015 WPSD\00010021 WPSD\00010023 WPSD\000100132 WPSD\000100132 WPSD\00010013 WPSD\00010013 WPSD\00010013 WPSD\00010013 WPSD\00010013 WPSD\00010013 WPSD\00010013 WPSD\00010010 WPSD\00010015	15b @ WPSD 2 # 15b @ WPSD 3 # 15c @ WPSD 3 #	[00009507.1yr] [00009101.1yr] [00009501.1yr] [00009502.1yr] [00009502.1yr] [00009502.1yr] [00009101.1yr] [00009101.1yr] [00009101.1yr]	12 12
	15b 15c 15d 15d 15d	WPSD\00010134 WPSD\00010024 WPSD\00010016 WPSD\00010006 WPSD\00010009 WPSD\00010007 WPSD\00010007 WPSD\00010007 WPSD\00010024 WPSD\00010137 WPSD\00010006	15b @.WPSD 2 # 15c @.WPSD 3 # 15c @.WAK ESS 15d @.TAKE ESS 15d @.TAKE ESS 15d @.TAKE ESS	00009101.lyr] 00009501.lyr] 00009501.lyr] 00009101.lyr] 00009101.lyr] 00008023.lyr] 00008023.lyr] 00008023.lyr] 00008023.lyr] 00008023.lyr] 00009502.lyr] 00009502.lyr] 00009502.lyr]	12 12 12 12 12 12 12 12 12 12 12 12 12 1				15b 15b 15b 15b 15b 15b 15b 15c 15c 15c 15c 15c	WPSD\00010013 WPSD\00010120 WPSD\00010015 WPSD\00010021 WPSD\00010023 WPSD\00010023 WPSD\00010023 WPSD\00010021 WPSD\00010013 WPSD\00010013 WPSD\00010013 WPSD\00010013 WPSD\00010013 WPSD\00010015 WPSD\00010015	15b @ WPSD 2 # 15b @ WPSD 3 # 15c @ WPSD 3 # 15c @ WPSD 3 # 15c @ WPSD 3 #	00009507.1yr] [00009501.1yr] [00009501.1yr] [00009501.1yr] [00009502.1yr] [00009502.1yr] [00009101.1yr] [00009507.1yr] [00009501.1yr] [00009501.1yr] [00009501.1yr]	12 12 12 12 12 12 12 12 12 12
	15b 15c 15d 15d 15d 15d 15d 15d	WPSD100010134 WPSD100010024 WPSD100010016 WPSD100010010 WPSD100010009 WPSD100010027 WPSD100010027 WPSD100010029 WPSD100010037 WPSD100010036 WPSD100010006	155 @ WPSD 2 # 156 @ WPSD 3 # 156 @ TAKE ESS 156 @ TAKE ESS 156 @ TAKE ESS 156 @ TAKE ESS	100009101.lyr] 10000923.lyr] 100009501.lyr] 100009101.lyr] 100009101.lyr] 100008023.lyr] 100008023.lyr] 100008023.lyr] 100009101.lyr] 100009502.lyr] 100009501.lyr] 100009501.lyr]	12 12 12 12 12 12 12 12 12 12 12 12 12 1				15b 15b 15b 15b 15b 15b 15b 15b 15c 15c 15c 15c 15c	WPSD\00010013 WPSD\00010120 WPSD\0001021 WPSD\00010021 WPSD\00010021 WPSD\00010021 WPSD\00010021 WPSD\00010013 WPSD\00010013 WPSD\00010013 WPSD\00010013 WPSD\00010013 WPSD\00010015 WPSD\00010015 WPSD\00010015 WPSD\00010015 WPSD\00010015 WPSD\00010015 WPSD\00010015	15b @ WPSD 2 # 15b @ WPSD 2 # 15c @ WPSD 3 # 15c @ WPSD 3 # 15c @ WPSD 3 #	[00009507.Jyr] [00009501.Jyr] [00009501.Jyr] [00009501.Jyr] [00009502.Jyr] [00009502.Jyr] [00009507.Jyr] [00009507.Jyr] [00009507.Jyr] [00009501.Jyr] [00009501.Jyr] [00009502.Jyr]	12 12
	15b 15c 15d 15d 15d 15d 15d 15d 15d	WPSD/00010134 WPSD/00010024 WPSD/00010016 WPSD/00010006 WPSD/00010006 WPSD/00010007 WPSD/00010007 WPSD/00010009 WPSD/00010024 WPSD/00010024 WPSD/00010024 WPSD/00010024	165.@.WPSD 2# 156.@.WPSD 3#	100009101.lyr] 10000923.lyr] 100009501.lyr] 100009101.lyr] 100009101.lyr] 100008023.lyr] 100008023.lyr] 100008023.lyr] 100009502.lyr] 100009502.lyr] 100009502.lyr] 100009502.lyr] 100009502.lyr] 100009502.lyr]	12 12 12 12 12 12 12 12 12 12 12 12 12 1				15b 15b 15b 15b 15b 15b 15b 15c 15c 15c 15c 15c 15c 15c 15c 15c 15c	WPSD\00010013 WPSD\00010120 WPSD\0001021 WPSD\00010021 WPSD\00010021 WPSD\00010021 WPSD\00010021 WPSD\00010013 WPSD\00010013 WPSD\00010013 WPSD\00010013 WPSD\00010013 WPSD\00010015 WPSD\00010015 WPSD\00010015 WPSD\00010015 WPSD\00010015 WPSD\00010015 WPSD\00010015	155 @ WPSD 2# 156 @ WPSD 3# 156 @ WPSD 3# 156 @ WPSD 3# 156 @ WPSD 3# 156 @ WPSD 3#	00009507.1yr 100009501.1yr 100009501.1yr 100009502.1yr 100009502.1yr 100009502.1yr 100009507.1yr 100009507.1yr 100009507.1yr 100009501.1yr 100009502.1yr 100009502.1yr 100009502.1yr 100009502.1yr	12 12

Figure 75. A typically configured Playlist Viewer display

Starting the iSQ Viewer

On the client system, launch iSQ Viewer with the A icon in your Start menu or the equivalent shortcut on your desktop. After the iSQ splash screen appears briefly, the iSQ Service View controls open:

🋕 i5Q Viewer [Service Viewer]		<u> </u>
😡 Connections 🚍 Selected 🔍 View 🎲 Configure 🥥 Help	Versio	n 2.2.29.9
Connect View Tab Hide Current View:	Rundown	Service
EWSSYS	ONLINE	•
CHYNRCS / NEWSHOW . SQA_DEMO . RUNDOWN FOR 1		
CHYNRCS / NEWSHOW . SQA_DEMO . RUNDOWN FOR 2		
CHYNRCS / NEWSHOW . SQA_DEMO . RUNDOWN FOR 3		
CHYNRCS / NEWSHOW . SQA_RAF . RUNDOWN2 for 1		
CHYNRCS / NEWSHOW . SQA_RAF . RUNDOWN2 FOR 2		
CHYNRCS / NEWSHOW . SQA_RAF . RUNDOWN2 FOR 3		
= 💭 MISHRA	ONLINE	•
CHYNRCS / SHOW . ISQ . RUNDOWN FOR 1		
CHYNRCS / SHOW . ISQ . RUNDOWN FOR 2		
		Ŧ

Figure 76. iSQ Service Viewer controls. Two output devices running the iSQ Service and configured to share sample Playlists are shown.

The systems running iSQ Service and feeding CAMIO-originated Playlists are configured in the procedure outlined in the section on Configuring Servers on page 11. The Playlists are identified by the output device running iSQ Service, from which they originate.

Selecting and Displaying Rundowns and Playlists

The controls and features described in the following sections will be best understood following an explanation of selecting Rundowns and Playlists on the iSQ Playlist Viewer.

Near the upper left corner of the Service Viewer menu, note the Current View: Rundown and Service buttons.

Rundown mode

🋕 iSQ Viewer [Service Viewer]			
💫 😡 Connections 📃 Selected 🔍 View 🎲 Configure 🥹 Help		Version	1 2.2.29.9
Connect View Tab Hide	Current View:	Rundown	Service
EXAMPLE 2 CHYNRCS / NEWSHOW . SQA_DEMO . RUNDOWN		AVAILABLE	•
LEWSSYS			
CHYNRCS / NEWSHOW . SQA_Q1_01_09 . RUNDOWN		AVAILABLE	•
LEWSSYS			
CHYNRCS / NEWSHOW . SQA_Q1_09 . RUNDOWN		AVAILABLE	•
LEWSSYS			
CHYNRCS / NEWSHOW . SQA_RAF . RUNDOWN2		AVAILABLE	•
LEWSSYS			
CHYNRCS / SHOW . ISQ . RUNDOWN		UNAVAILABLE	•
S MISHRA			*

Figure 77. iSQ Service Viewer menu in Rundown selection mode.

In Rundown mode, the user's choices are arranged in order of all the Rundowns currently operating on output devices visible to the iSQ Viewer. Visual emphasis is given to the Rundown name; the iSQ Service machine/output device on which it is running is identified beneath.

Toggling the \mathbb{E} and \mathbb{E} controls reveal or hide the name of the system on which a given Rundown is operating.

All of the Playlists in a given Rundown may be opened in the Playlist Viewer by clicking the desired Rundown to highlight it...

CHYNRCS / NEWSHOW . SQA_Q1_09 . RUNDOWN	available 🧿
LEWSSYS	

...and then clicking the **View** button. The Rundown, with its constituent Playlist(s), opens on the Playlist Viewer, whose interface is discussed in upcoming sections of this document.

Service mode

🋕 iSQ Viewer [Service Viewer]			_ 🗆 >
😡 Connections 🚍 Selected 🔍 View 🎲 Configure 🮯 Help		Versio	n 2.2.29.9
Connect View Tab Hide	Current View:	Rundown	Service
🗉 💭 MISHRA		ONLINE	•
EWSSYS		ONLINE	۲
CHYNRCS / NEWSHOW . SQA_DEMO . RUNDOWN FOR 1			
CHYNRCS / NEWSHOW . SQA_DEMO . RUNDOWN FOR 2			
CHYNRCS / NEWSHOW . SQA_DEMO . RUNDOWN FOR 3			
CHYNRCS / NEWSHOW . SQA_Q1_01_09 . RUNDOWN FOR 1			
CHYNRCS / NEWSHOW . SQA_Q1_01_09 . RUNDOWN FOR 2			
CHYNRCS / NEWSHOW . SQA_Q1_01_09 . RUNDOWN FOR 3			
CHYNRCS / NEWSHOW . SQA_Q1_09 . RUNDOWN FOR 1			
CHYNRCS / NEWSHOW . SQA_Q1_09 . RUNDOWN FOR 2			
CHYNRCS / NEWSHOW . SQA_Q1_09 . RUNDOWN FOR 3			
CHYNRCS / NEWSHOW . SQA_RAF . RUNDOWN2 FOR 1			
CHYNRCS / NEWSHOW . SQA_RAF . RUNDOWN2 FOR 2			
CHYNRCS / NEWSHOW . SQA_RAF . RUNDOWN2 FOR 3			
			-

Figure 78. iSQ Service Viewer menu in Service selection mode

In Service mode, the user's choices are arranged in order of all the connected iSQ Service systems currently operating Rundowns whose Playlists may be controlled by iSQ's Playlist Viewer. As stated previously, systems running the iSQ Service may be Chyron CGs running Lyric, or XClyps systems; these may also be referred to **output devices**. Visual emphasis is given to the system name, and the names of the Rundowns operating on that system appear beneath.

Toggling the Ξ and Ξ controls expand or collapse a list of Rundowns on the system, as seen in Figure 78.

To open a single Playlist within one of the Rundowns, click that Playlist to highlight it....

	CHYNRCS / NEWSHOW . SQA_DEMO . RUNDOWN FOR 1
	CHYNRCS / NEWSHOW . SQA_DEMO . RUNDOWN FOR 2
	CHYNRCS / NEWSHOW . SQA_DEMO . RUNDOWN FOR 3
-	CHYNROS / NEWSHOW, SOA OT OT OF RUNDOWN FOR 1

NOTE that with the advent of iSQ Version 2.2, the user can easily select multiple adjacent Playlists, by clicking a single Playlist and moving the cursor down or up the list of Playlists. This action will not move a Playlist entry on the list in "Click & Drag" fashion; rather it is similar to selecting multiple lines in a word processing document or rows in a spreadsheet.

E 💭 LEWSSYS	Move cursor vertically to select multiple adjacent Playlists
CHYNRCS / NEWSHOW . SQA_DEMO . RUNDOWN FOR 1	
CHYNRCS / NEWSHOW . SQA_DEMO . RUNDOWN FOR 2	
CHYNRCS / NEWSHOW . SQA_DEMO . RUNDOWN FOR 3	
CHYNRCS / NEWSHOW . SQA_Q1_01_09 . RUNDOWN FOR 1	
CHYNRCS / NEWSHOW . SQA_Q1_01_09 . RUNDOWN FOR 2	
CHYNRCS / NEWSHOW . SQA_Q1_01_09 . RUNDOWN FOR 3	
CHYNRCS / NEWSHOW . SQA_Q1_09 . RUNDOWN FOR 1	
CHYNRCS / NEWSHOW . SQA_Q1_09 . RUNDOWN FOR 2	

To select non-adjacent multiple Playlists, use Control+click. With multiple Playlists selected, click the **View** button to open the Playlists on the iSQ Playlist Viewer.

Top menu bar

🚳 Connections

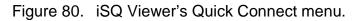
This button opens a menu containing two options.



Figure 79. iSQ Viewer Connections menu.

Quick Connect allows the user to directly enter a system name or IP address (and modify the default Port setting of 5005). Immediately upon resolving the name or address, iSQ Viewer indicates the system's availability. If the connection is available, the user may choose the Connect option. Note that Quick Connect is the same feature as the Connect subtron on the toolbar immediately beneath the top menu bar.

iSQ Viewer [Service Viewer]	😳 Configure 🥹 Help			Version 2.2.29.9
20nnect View Tab Hide			Current View	N: IN Rundown
	Service Remote Server: ine name or IP address)	LEWSSYS Port: AVAILABLE	5005	
CHYNRCS / SHOW . IS			CANCEL	



iSQ Version 2.2

 Manage Connections opens the Configure iSQ Viewer > Servers dialog, which is discussed in detail on Page 11. The Servers dialog affords the user a variety of options for adding iSQ Service output devices to a list for quick connection, editing connection details such as port numbers, and testing connectivity.

Selected

With one or more Playlists running in the Playlist Viewer, this menu allows the subsequent addition of more Playlists for monitoring and control, *without closing and re-opening the Playlist Viewer*.

9	Selected
	View in Active Tab
2	View in New Tab
	Hide for Session

Figure 81. iSQ Service Viewer's Selected menu on the Service Viewer's top menu bar.

• View in Active Tab: With one or more Playlists open, the user may choose additional Playlists for display on the same interface. All Playlists displayed in this manner be added to the current Playlist Viewer display tab will appear a title bar displaying the name of the first **Rundown** from which a Playlist was chosen for display. To add Playlist(s) to the Playlist Viewer, highlight the selection(s) and select View in Active Tab in the menu. All Playlists thus displayed share the screen simultaneously. This can make for a rather crowded arrangement, as seen in Figure 82

🚏 iSQ Playlist View	ver													
/ 🔹					C	HYNRCS/NEWSHO	N.5	SQA_DEMO.RU	INDOWN	$\mathbf{\mathcal{O}}$				
LEWSSY	S Chanr	nel: 1	L	EWSSYS	Chann	el: 2		LEWSSYS	Chan	nel: 1	LEWSSYS Channel: 2			
-, -, ., ., ., ., ., ., ., ., ., ., ., ., .,						<u>▼</u> © ·		-		Ì ▼ Ĉ · _		-		🔽 🖒 - 🚬
100		NY WA				2		P.	Ĺ					
	Story ID	Name			Story ID	Name			Story ID	Name			Story ID	Name
▶ 🖨	15b	WPSD\00010024		₽	15b	WPSD\00010024		•	15b	WPSD\00010024	•	₽	15b	WPSD\00010013
🔿 🌾	15b	WPSD\00010134	1	🔿 🎲	15b	WPSD\00010134		🔿 🎲	15b	WPSD\00010134		🔿 🎲	15b	WPSD\00010013
	15c	WPSD\00010024			15c	WPSD\00010024			15c	WPSD\00010024			15b	WPSD\00010120
	15c	WPSD\00010116			15c	WPSD\00010116			15c	WPSD\00010116			15b	WPSD\00010015
	15c	WPSD\00010006			15c	WPSD\00010006			15c	WPSD\00010006			15b	WPSD\00010021
	15c	WPSD\00010009			15c	WPSD\00010009			15c	WPSD\00010009			15b	WPSD\00010023
	15c	WPSD\00010012			15c	WPSD\00010012			15c	WPSD\00010012			15b	WPSD\00010132
	15c	WPSD\00010007			15c	WPSD\00010007			15c	WPSD\00010007			15b	WPSD\00010021
	15d	WPSD\00010009			15d	WPSD\00010009			15d	WPSD\00010009			15c	WPSD\00010013
	15d	WPSD\00010024			15d	WPSD\00010024			15d	WPSD\00010024			15c	WPSD\00010100
	15d	WPSD\00010137			15d	WPSD\00010137			15d	WPSD\00010137			15c	WPSD\00010015
	15d	WPSD\00010006			15d	WPSD\00010006			15d	WPSD\00010006			15c	WPSD\00010021
	15d	WPSD\00010098			15d	WPSD\00010098			15d	WPSD\00010098			15c	WPSD\00010101
	15d	WPSD\00010012			15d	WPSD\00010012			15d	WPSD\00010012			15c	WPSD\00010025
	15d	WPSD\00010007			15d	WPSD\00010007			15d	WPSD\00010007			15c	WPSD\00010001
11		•	II				1	•		,	14		150	
Lyric Playout Panel			Lyric	: Playout Panel			-	yric Playout Panel			Lyr	ic Playout Panel		
3 2/4/2009 -	10:29:48 AM	The ISQ Serv 🛓 🥥	0	2/4/2009 - 10	0:29:48 AM	The ISQ Serv 🛓 🥥		3 2/4/2009 - 1	L0:29:48 AM	The ISQ Serv 🛓 🥥		2/4/2009 - 1	0:29:49 AM	

Figure 82. Four Playlists appearing simultaneously on the Playlist Viewer. The Rundown title is circled at top.

• View in New Tab: This option adds new Playlists to the Playlist Viewer interface under an additional tab bearing the name of the Rundown from which the Playlist(s) is taken. To add Playlist(s) to the Playlist Viewer, highlight the selection(s) and select View in New Tab in the menu. Rather than work with multiple Playlists sharing the area of a single Playlist Viewer display, the user may click on the separate tabs to display different groups of Playlists.

iSQ Playlist Vie	\langle	CHYNRCS/NEWSHOW.SC	A_DEMO.RUNDOWN		/			HYNRCS/NEWSHOW.SQA	RAF.RUNDOWN2					
LEWSSYS Channel: 1							LEWSSYS Channel: 2							
🖦 🖷 🖬 🗾 🐷 🖒 · 🍪 🕼 🥩 🕺 ·						🔫 🖷 🖬 🔜 💁 🍪 - 🍪 😺 🥩 -								
				<u>Ř</u> A										
	Story ID		Description	-			Story ID	Name	Description	-				
▶ <mark>⇔</mark>	15b	WPSD\00010024	15b@WPSD2#	[00008023.1	▶ 📫		15b	WPSD\00010013	15b @ WPSD 2 #	[00009507.I				
🔿 🏟	15b	WPSD\00010134	15b @ WPSD 2 #	[00009101.lt	=		15b	WPSD\00010013	15b @ WPSD 2 #	[00009507.1				
	15c 15c	WPSD\00010024 WPSD\00010116	15c @ WPSD 3 #	[00008023.1]			15b 15b	WPSD\00010120	15b @ WPSD 2 #	[00009101.]				
	150	WPSD/00010116 WPSD/00010006	15c @ WPSD 3 # 15c @ WPSD 3 #	[00009501.lt			150 15b	WPSD\00010015 WPSD\00010021	15b @ WPSD 2 # 15b @ WPSD 2 #	[00009501.]				
	150	WPSD\00010009	15c @ WPSD 3 #	[00009101.h			15b	WPSD\00010023	15b @ WPSD 2 #	[00009101.]				
	150	WPSD\00010009 WPSD\00010012	15c @ WPSD 3 #	[00009101.l] [00008023.l			15b	WPSD\00010023	15b @ WPSD 2 #	[00009502.1				
	150	WPSD\00010007	15c @ WPSD 3 #	[00008023.]			15b	WPSD\00010021	15b @ WPSD 2 #	[00009101.]				
	150 15d	WPSD\00010009	15d @ TAKE ESS	[00009101.h			150 15c	WPSD\00010021	15c @ WPSD 3 #	[00009507.]				
	15d	WPSD\00010024	15d @ TAKE ESS	[00008023.0			15c	WPSD\00010100	15c @ WPSD 3 #	[00009101.]				
	15d	WPSD\00010137	15d @ TAKE ESS	[00009502.h			15c	WPSD\00010015	15c @ WPSD 3 #	[00009501.]				
	1			•	1.					•				
Lyric Playout Panel					-	Playout Panel								
2/4/2009	10:32:48 AM	The iSQ Service is in a normal	state.		0	2/4/2009 - 1	0:32:48 AM	The iSQ Service is in a normal sta	ate.	1				

Figure 83. Multiple Playlists open in two different tabs on the Playlist Viewer. Each Rundown's title appears circled at the top of its own tab.

• **Hide for Session**: This option refers only to Rundowns and/or Playlists listed on the iSQ Service Viewer control panel, *not the iSQ Playlist Viewer*. The user may select one or more Rundowns and/or their constituent Playlists and remove them from the selection of Rundowns and Playlists available for display on the Playlist Viewer. This action will not affect their ingestion by the iSQ Service from CAMIO, or their ability to control the output device(s) running iSQ Service. NOTE however, that Rundowns or Playlists removed from iSQ Service Viewer control panel will not again be available for monitoring or control until Service Viewer is closed and restarted. Selecting the action Hide for Session opens this dialog requesting confirmation:

Warning	
1	Are you sure you want to hide the selected ? Once they are hidden, you can only get them back by restarting the iSQ Viewer application.
	Yes No

Figure 84. Rundowns or Playlists "Hidden for Session" will be unavailable for use until the control panel is closed and re-opened.



The View menu on iSQ Service Viewer's control panel offers the same options as the Current View: Rundown and Service buttons discussed on Page 68.



Figure 85. iSQ Service Viewer's View menu on the Service Viewer's top menu bar.

- In Rundown mode, the user's choices are arranged in order of all the Rundowns currently operating on • output devices visible to the iSQ Viewer. Visual emphasis is given to the Rundown name: the iSQ Service machine/output device on which it is running is identified beneath.
- In Service mode, the user's choices are arranged in order of all the connected iSQ Service systems currently operating Rundowns whose Playlists may be controlled by iSQ's Playlist Viewer. As stated previously, systems running the iSQ Service may be Chyron CGs running Lyric, or XClyps systems; these may also be referred to output devices. Visual emphasis is given to the system name, and the names of the Rundowns operating on that system appear beneath.
- The Refresh option surveys all connected services and their Rundowns and Playlists, and updates their • listing on the iSQ Service Viewer. On the iSQ Service Viewer control panel, any collapsed Rundown or Service groups are also expanded.

Configure

This button opens the Configure iSQ Service Viewer menu and its various sub-menus. Extensive instructions for configuring the iSQ Viewer application appear in Section 2, beginning on Page 6.

🙆 Help

This button offers links to the Chyron website's main page and iSQ's product page within the Chyron website. The About option opens the iSQ Viewer's splash screen, which identifies your current version of the software.



This document contains the most up-to-date written information on the product. Future updates of this document will be posted on the Chyron website.

Toolbar



This option provides the same functionality as the Quick Connect feature documented on Page 71. This feature allows the user to directly enter a system name or IP address (and modify the default Port setting of 5005). Immediately upon resolving the name or address, iSQ Viewer indicates the system's availability. If the connection is available, the user may choose the Connect option.



Figure 86. iSQ Viewer's Connection menu.

View 🔲 button

As seen in Figure 87, if iSQ Viewer has been properly configured and connected with one or more output devices running iSQ Service, one or more sets of available Playlists will be displayed. Figure 87 shows the Service Viewer in **Service** display mode, wherein Rundowns and Playlists are grouped by the output devices on which they are running. Don't forget that the **Rundown** mode groups iSQ's connected output devices by the Rundowns and Playlists they are running, as seen in Figure 77.

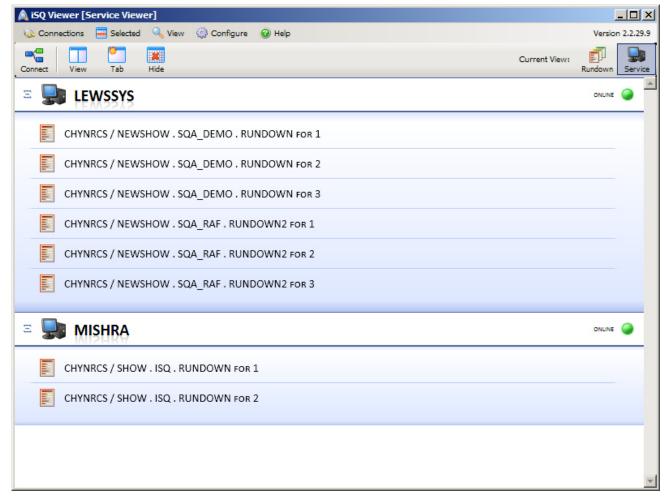


Figure 87. One of the available Running Orders expanded, allowing for selection of the desired Playlist(s) for display on the Playlist Viewer.

- To select multiple Running Orders, hold down the Control key and click the appropriate rows, then click the View button.
- Alternately, one may use the **Magic Select** feature to select and open all of the Playlists for a given output device's multiple frame buffers, with a single action on the iSQ Viewer.
 - Select a <u>single</u> Playlist within a Running Order containing multiple Playlists, hold the CTRL key, and click the View button.
 - All of the Playlist in the associated Running Order are automatically selected, and open in the Playlist Viewer.

Tab 📶 button

The Tab button performs the same function as the **View in Active Tab** control discussed on Page 72. With one or more Playlists open, the user may choose additional Playlists for display on the same interface. All Playlists displayed in this manner be added to the current Playlist Viewer display tab will appear a title bar displaying the name of the first **Rundown** from which a Playlist was chosen for display. To add Playlist(s) to the Playlist Viewer, highlight the selection(s) and select View in Active Tab in the menu. All Playlists thus displayed share the screen simultaneously. This can make for a rather crowded arrangement, as seen in Figure 82.

Hide 🔣 button

The Hide button serves the same function as the **Hide for Session** option in the **Selected** menu, which is discussed on Page 73.

This option refers only to Rundowns and/or Playlists listed on the iSQ Service Viewer control panel, *not the iSQ Playlist Viewer*. The user may select one or more Rundowns and/or their constituent Playlists and remove them from the selection of Rundowns and Playlists available for display on the Playlist Viewer. This action will not affect their ingestion by the iSQ Service from CAMIO, or their ability to control the output device(s) running iSQ Service. NOTE however, that Rundowns or Playlists removed from iSQ Service Viewer control panel will not again be available for monitoring or control until Service Viewer is closed and restarted. Selecting the action Hide opens this dialog requesting confirmation:

Warning	
♪	Are you sure you want to hide the selected ? Once they are hidden, you can only get them back by restarting the iSQ Viewer application.
	Yes No

Figure 88. The Hide button must be used with due consideration; while it does not delete Rundowns or Playlists, it can slow down the operator's access to them!

Things to Remember: Deleting and Restoring Rundowns

- Rundowns which have been taken off air by the NCS (Newsroom Computer System, such as iNews or ENPS) are **NOT** automatically removed from the iSQ Service's list of Rundowns. No component of iSQ gives indication that a given Rundown has been taken off-air.
- iSQ Service's list of Rundowns **cannot** be updated to reflect Rundowns taken off-air by restarting the Playlist Viewer.
- Restarting the iSQ Service DOES remove such off-air Rundowns from its list of Rundowns.
- Rundowns may be manually deleted from iSQ Service's list of Rundowns thusly:
 - In Service <u>View</u> (as seen in Section 5 beginning on page 67), select a Playlist and then clicking the delete button will delete the selected Playlist.
 - o Use Magic Select (see page 76) to delete all Playlists in a Rundown
- A deleted Rundown may be restored to iSQ Service's list by any of these means:
 - o Wait for an update from the NCS
 - Use SYNC trigger in CAMIO's Admin Tools to generate a Rundown update.
 - Restart the iSQ Service.

The iSQ Playlist Viewer Interface

iSQ Playlist \	/iewer												_	
				CHY	NRCS/NEW	SHO	w.sq	A_RAF.R	UNDOWN	12				
EWSS	YS Chai	nnel: 1					LE	EWSS	(S Chai	nnel: 2				
J 📑 🕻	n 🔜 🖌	ຄ 😺 🖒 -	43 J 😵 🛞	<u> -</u>			-	. 📑 🖣	h 🔜 🛛	a 🔽 🖒 -	43 J 😵	, 2 -		
([*]	M		Ì	2	-			1-				See P		Contraction of the second
	Story ID	Name	Description	Details	Speed				Story ID	Name	Description	Details	Speed	
₽	15b	WPSD\00010024	15b @ WPSD 2 #	[00008023.lyr]	12			\$	15b	WPSD\00010013	15b @ WPSD 2 #	[00009507.lyr]	12	<u> </u>
🔿 🍪	15b	WPSD\00010134	15b @ WPSD 2 #	[00009101.lyr]	12	1		🔶 🍪	15b	WPSD\00010013	15b @ WPSD 2 #	[00009507.lyr]	12	
	15c	WPSD\00010024	15c @ WPSD 3 #	[00008023.lyr]	12	1			15b	WPSD\00010120	15b @ WPSD 2 #	[00009101.lyr]	12	٦
	15c	WPSD\00010116	15c @ WPSD 3 #	[00009501.lyr]	12	1			15b	WPSD\00010015	15b @ WPSD 2 #	[00009501.lyr]	12	
	15c	WPSD\00010006	15c @ WPSD 3 #	[00009101.lyr]	12	1			15b	WPSD\00010021	15b @ WPSD 2 #	[00009101.lyr]	12	٦
	15c	WPSD\00010009	15c @ WPSD 3 #	[00009101.lyr]	12	1			15b	WPSD\00010023	15b @ WPSD 2 #	[00009502.lyr]	12	٦
	15c	WPSD\00010012	15c @ WPSD 3 #	[00008023.lyr]	12	1			15b	WPSD\00010132	15b @ WPSD 2 #	[00008023.lyr]	12	
	15c	WPSD\00010007	15c @ WPSD 3 #	[00008023.lyr]	12	1-			15b	WPSD\00010021	15b @ WPSD 2 #	[00009101.lyr]	12	
	15d	WPSD\00010009	15d @ TAKE ESS	[00009101.lyr]	12	1			15c	WPSD\00010013	15c @ WPSD 3 #	[00009507.lyr]	12	
	15d	WPSD\00010024	15d @ TAKE ESS	[00008023.lyr]	12	1			15c	WPSD\00010100	15c @ WPSD 3 #	[00009101.lyr]	12	
	15d	WPSD\00010137	15d @ TAKE ESS	[00009502.lyr]	12	1			15c	WPSD\00010015	15c @ WPSD 3 #	[00009501.lyr]	12	Ī
	15d	WPSD\00010006	15d @ TAKE ESS	[00009101.lyr]	12	1			15c	WPSD\00010021	15c @ WPSD 3 #	[00009101.lyr]	12	_
	15d	WPSD\00010098	15d @ TAKE ESS	[00009501.lyr]	12	1			15c	WPSD\00010101	15c @ WPSD 3 #	[00009502.lyr]	12	
	15d	WPSD\00010012	15d @ TAKE ESS	[00008023.lyr]	12	1			15c	WPSD\00010025	15c @ WPSD 3 #	[00009502.lyr]	12	
	15d	WPSD\00010007	15d @ TAKE ESS	[00008023.lyr]	12	1			15c	WPSD\00010001	15c @ WPSD 3 #	[00009507.lyr]	12	-
ic Playout Par	nel						Lyric	Playout Pan	el					

Figure 89. iSQ Playlist Viewer Interface controlling 2 Lyric Channels

Controls on the Playlist's Toolbar and Cueboard

The diagram above shows the iSQ Playlist Viewer. There are 3 lists in this viewer and each list shows an ACTIVE (bold typeface), PREVIEW (green) and AIR (red) row. Each Playlist has a preview and air thumbnail. The preview thumbnail is in the green box at the top of the Playlist and the air is in the red.

NOTE: An Active Row is identified in the iSQ Viewer by its bold typeface

A number of playout and configuration controls are located on each output channel's area of the interface. The playout controls' functions are duplicated on iSQ's Cueboard and will be called out accordingly.



Figure 90. iSQ Playlist Viewer interface controls

Add/Remove Buttons and View Options

The Controls shown in Figure 90 may be removed from the Toolbar, as in many Windows applications. Their left-toright order on the Toolbar can also be altered.

Right-click on the Toolbar (not on the title bar identifying the output device channel), as seen in Figure 91.

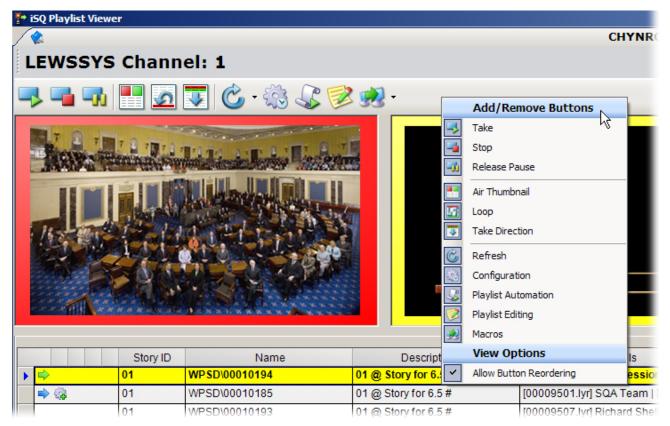


Figure 91. Add/Remove Buttons and View Options on the Playlist Viewer's Toolbar.

To Allow Button Reordering, check the appropriate selection on the dropdown menu. To move a button, Alt+Click, and drag it to its desired new location on the Toolbar.



Figure 92. Alt+Click on a given button on the Viewer Toolbar to relocate it.

Continued

FUNCTION

Buttons: Playlist Viewer interface button shown at top, Cueboard button at bottom

TAKE Common to Playlist Viewer interface and Cueboard.



STOP

Common to Playlist Viewer interface and Cueboard.



Description

When the active row is green, clicking on TAKE will play that message to Output.

When the active row is white, clicking on TAKE will load that message to the Preview window, and the row will turn green.

When the active row is red, clicking on TAKE will reload the current "on air" message to the Preview window, ready to be played again, and the row will turn green.

NOTE: If the active row is yellow, the output device is either currently loading a message to the channel in use by the operator, or has an animation playing, or is at a Pause point on that channel. *The TAKE button will be ignored while the active row is yellow.*

Functioning of the STOP Button operation has changed significantly with iSQ versions 2.1 and later.

Pressing STOP on a given channel will **clear** the output frame buffer of that channel. This does <u>not</u> necessarily include Clips, but the user has an option:

In the Lyric Plugins area of the iSQ Service configuration menus, the user may select the "Clear Clip On Stop" checkbox. This will stop Clips and remove them from output, in addition to clearing basic elements such as text and bitmap graphics. See the section regarding Lyric Plugins to the iSQ Service on Page 55. If "Clear Clip On Stop" is NOT selected, the clip will continue running on the channel whose output is otherwise being cleared.

Where **Lyric PRO** is being used, Persistent Messages are able to remain on output when a given event in the Playlist has been stopped and cleared by the Stop button. See the section regarding the Lyric PRO Output plugin on Page 63.

This button, on either the Playlist Viewer interface, or on Cueboard, is used exclusively to release a Pause on the message playing to the Output of the associated Playlist.

RELEASE PAUSE

DOWN

Common to Playlist Viewer interface and Cueboard.





No Playlist Viewer button



Available through standard keyboard's function keys. The DOWN button is used to move the active row down the Playlist, one row at a time. When TAKE is clicked, after moving the active row off the current previewed object, the new active row is loaded into the Preview window.

iSQ Version 2.2

UP	No Playlist Viewer button
STORY	No Playlist Viewer button
DOWN	2
STORY	No Playlist Viewer button
UP	~
STORY	No Playlist Viewer button
ALIGN	STORY
ESCAPE	No Playlist Viewer button
NAVIGATION	
HOME	No Playlist Viewer button
(Enter or ALT+Backspace)	a
, ET (240 (69400)	_
Air Thumbnail:	No Cueboard button
Hidden/Visible	

Available through standard keyboard's function keys. The UP button is used to move the active row up the Playlist, one row at a time. When TAKE is clicked, after moving the active row off the current previewed object, the new active row is loaded into the Preview window.

Available through standard keyboard's function keys. The Story Down button moves the active row down the Playlist, story by story. When TAKE is clicked, after moving the active row off the current previewed object, the new active row is loaded into the Preview window.

Available through standard keyboard's function keys. The Story Up button moves the active row up the Playlist story by story. When TAKE is clicked, after moving the active row off the current previewed object, the new active row is loaded into the Preview window.

The Story Align button brings the active cursor to a particular story on all open Playlists. After navigating to a new story the operator can click the Story Align and all Playlists will load the first graphic of this particular story to preview.

Where multiple Playlist items are present for a given Story ID, alignment brings the active cursor to the 1st item bearing the selected Story ID.

After navigating through the Playlist it is often required to go back to the original active row. This is typically done when the operator wants to see more of the Playlist than is visible in the viewer at one time. By using the usual navigation techniques (down, up, story down and story up) the operator can see other areas of a Playlist then click the Escape Navigation button to the active row back to its initial position.

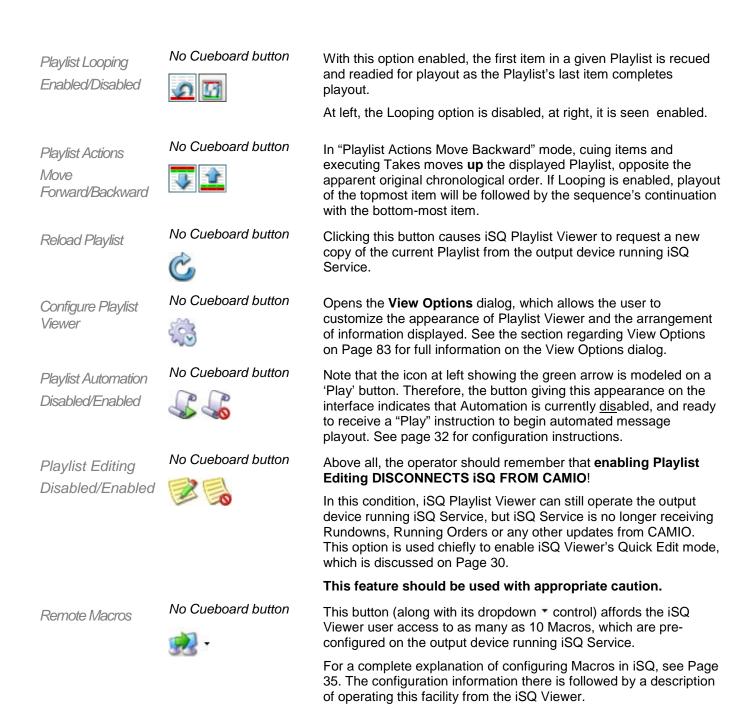
In early iSQ installations, this Cueboard button was mapped to the same function as a standard keyboard's Enter key, for the purpose of dismissing unwanted dialogs or other windows that might appear on the GUI.

Regardless of software upgrades to your iSQ installation, this Cueboard key may still require re-mapping to its new function, effective with iSQ Versions 2.1 and later.

With iSQ Versions 2.1 and later, the Cueboard's Home key should be mapped to the key combination ALT+Backspace. The command thus issued relocates the cursor for all channels to the top item in each Playlist and cues each item in the Preview state.

If your Cueboard's Home key is not triggering this action, consult Chyron Customer Service for instructions on reprogramming your Cueboard appropriately.

This button toggles the iSQ Playlist GUI between showing only the Preview thumbnail, or the Preview and the Air thumbnail. The button's red and green mode as seen at left indicates that both are visible and toggling the button hides the Air thumbnail, leaving only the Preview thumbnail visible.



View Options-Detail

(See also Playlist Configuration on Page 23 and Playlist Appearance on Page 28. In this dialog, the user may customize the appearance and information displayed on the Playlist Viewer, and save those custom configurations.

View Options		×						
View Configuration File								
Current view settings file:	103108 View Variation 2 view							
Use a Local File	Use a Local File Use a file stored on this machine.							
Save Current Settings	Save the current grid settings and use local file.							
Use iSQ Service File	Uses the remote file from iSQ Service.							
Upload Settings	Uploads the current settings to iSQ Service							
Playlist Actions								
Change Column Visi	column Filtering							
-	Close							

Figure 93. iSQ Playlist Viewer's View Options dialog

Use a Local File/Save Current Settings

User-customized Playlist Viewer interfaces may be saved in files with the extension .view. Assuming you have the Viewer interface set up as desired, click the Save Current Settings button to create a .view file, as seen in Figure 94.

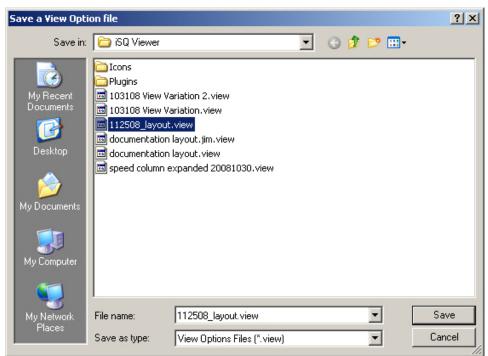


Figure 94. Preserving a user-customized Playlist Viewer interface

Clicking the **Use a Local File** button will open the Open a View Option File dialog, which by default gives access to the same directory as the Save a View Option File dialog, seen above. Select and open a .view file to restore a previous custom configuration of the Playlist Viewer interface.

Open a View Opt	tion file	? ×
Look in:	: 🔁 iSQ Viewer 💽 🕓 🦻 📂	 +
My Recent Documents Desktop My Documents My Computer	 Icons Plugins 103108 View Variation 2.view 103108 View Variation.view 112508_layout.view documentation layout.jim.view documentation layout.view speed column expanded 20081030.view 	
My Network	File name: 112508_layout.view	Open
Places	Files of type: View Options Files (*.view)	Cancel

Figure 95. Open a View Option File dialog.

Use iSQ Service File

This control is not active in the present release of iSQ.

Change Column Visibility

Click the **Configure the Playlist Viewer** button. The View Options dialog appears as above. The **Change Column Visibility** button opens the menu seen at lower right in Figure 96.

	Asset Status	Take Stage	Next Stage	St	ory ID	Name		Speed		
恭				15		WPSD\00010154	8			⇒
▶ 🔿		14		15		WPSD\00010150	8			🔷 🎲
🔿 🎼				15	1	WPSD\00010128	8			
	View Options			×		WPSD\00010004	8			
	View Configuration File					WPSD\00010006	8			
	Current view settings file	« <none: isq="" p="" se<="" using=""></none:>	rvice Remote File>			WPSD\00010001	8			
		<u> </u>				WPSD\00010129	8			
	Use a Local File	Use a file stored on th	iis machine.			WPSD\00010129	8			
	Save Current Settin	s Save the current grid	settings and use local file.		Char	nge Column Visibility				×
		-				lignment Index				
	Use iSQ Service Fil	e Uses the remote file f	rom iSQ Service.			isset Class Isset Status				
1						ollection type				
	Upload Settings	Uploads the current s	ettings to iSQ Service			escription				
)etails ile Name				
	Playlist Actions					ilename				
	Change Column	Visibility	Column Filtering			las Clip				
					- [] ") enath				
				- 1		lasterLocationID				
			Clo	se		lame				
-				1.00		lext Stage Iutput State				
				15c						
				15c		'layable Item				
				15c		ource				
				15c		peed tory ID				
				15c		ake Stage				<u> </u>
				15c					Close	
				15c						
				150		WPSD\00010022	8		-	

Figure 96. The user may select information-types to display on the Viewer interface.

The user may choose from more than 20 types of information about each story and its constituent elements.

Among the most common are:

- Asset Status: Here, the 🤤 icon may appear, indicating a graphic required by an upcoming Lyric message, • which has not been restored to the playout device by CAMIO.
- Details: This column displays Lyric message number of any Lyric message called for in the Playlist item. ٠ Upon mouse-hover, the first few words of any text contained in the Lyric message are displayed.

	15	WPSD\00010011	[00008023.lyr]	8
	15b	WPSD\00010013	[00009507.lyr]	8
🐴 📕	15b	WPSD\00010013	[00009507.lyr] McCain	8
D D D D D D D D D D D D D D D D D D D	15b	WPSD\00010120	[00009101.lyr]	8
🔿 🎼	15b	WPSD\00010015	[00009501.lyr]	8
	15	WPSD\00010011	[00008023.lyr]	8
	15b	WPSD\00010013	[00009507.lyr]	8
🐴 📕	15b	WPSD\00010013	[00009507.lyr] McCain Candida	te
🔿 🕨	15b	WPSD\00010120	[00009101.lyr]	8
🔿 🎼	15b	WPSD\00010015	[00009501.lyr]	8

Figure 97. The Details column will display partial Lyric text content upon mouse-hover.

• Filename: This column displays full file information, including output device file path, show title and Lyric message number.

- Story ID: Identifies each story item's corresponding element in the ENPS or iNEWS system driving the • operation via CAMIO.
- Speed: Allows the user a choice of the Default Effects speeds which have been pre-defined in the Quick ٠ Edit settings, discussed on Page 31.

Custom layouts of the Playlist Viewer may be saved on the Viewer system as files bearing the extension .view, as seen in Figure 58 on Page 49.

Column Filtering

Playlist Viewer's descriptive information about individual stories originates from each story's CAMIO data. Details such as Lyric message number and graphic types may be contained in such CAMIO data along with information that may be more pertinent to control room operations, such as simple story identification and reporter's name, etc. To simplify Playlist Viewer's displayed detail for ease of use in control rooms, the user may filter some of the CAMIO-originated information displayed by Playlist Viewer. In the View Options dialog, choose Column Filtering as seen below:

ew Option:	5					×			
/iew Config	guration File 👘								
Current vie	w settings file: 🕠	(None: l	Jsing iSQ) Service Ren	note File>				
Use	a Local File	Use a f	ile stored (on this machine	e.				
Save C	Current Settings	Save th	e current	arid settings ar	nd use local file.				
		1		gna toningt a					
Use iSI	Q Service File	Uses th	ne remote	file from iSQ Se	ervice.				
Uple	oad Settings	Upload	s the curre	ent settings to i	SQ Service		1ST LINE 3RD TEST		
Playlist Actio	ons								
Cha	ange Column Visil	bility		Colun	nn Filtering				
							1		
	Filter Column	0.1				<u> </u>			
15									
	Filter Column	n Data 😑							
15	Filter Column	n Data =	appearance with the	ce of the text o	data that apears	in the	cells of the p	laylist here. To) do so, filter
15 15	Filter Column You can cha you should b	n Data = ange the be familiar	with the	use of Regula	lata that apears r Expressions. s feature contact	Each c	column can ĥ	ave a RegEx) do so, filter
15 15 15	Filter Column You can cha you should b	n Data = ange the be familiar	with the	use of Regula	r Expressions. s feature contact	Each c Chyror	column can ĥ n technical si	ave a RegEx upport.) do so, filter
15 15 15 15	Filter Column You can cha you should b applied to it.	n Data = ange the be familiar	with the	use of Regula	r Expressions. : feature contact Filter (Enter Re	Each c Chyror	column can ĥ n technical si	ave a RegEx upport.) do so, filter
15 15 15 15 15	Filter Column You can cha you should b applied to it. Columns Description Details	n Data = ange the be familiar	with the	use of Regula stance with this	r Expressions. s feature contact Filter (Enter Re	Each c : Chyror egular E	column can ĥ n technical si	ave a RegEx upport.) do so, filter
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15 15 15 15 15 15 15 15 15 15	Filter Column You can cha you should b applied to it. Columns Description Details File Name Has Clip Length MasterLocati Name Next Stage	n Data — ange the o be familiar If you red	with the	use of Regula stance with this	r Expressions. feature contact Filter (Enter Re Output Formatt	Each c : Chyror egular E	column can ĥ n technical si	ave a RegEx upport. are)	filter
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15 15 15 15 15 15 15 15 15 15 15 15 15 1	Filter Column You can cha you should b applied to it. Columns Details File Name Has Clip Length MasterLocat Name Next Stage Output State Path Playable Iten Speed	n Data — ange the se familiar If you red	with the	use of Regula stance with this	r Expressions. feature contact Filter (Enter Re Output Formatt Preview Current: 15 Result:	Each c Chyror egular E	column can h n technical si	ave a RegEx upport. are)	filter
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15 15 15 15 15 15 15 15 15 15 15 15 15 1	Filter Column You can cha you should b applied to it. Columns Description Details File Name Filename Has Clip Length MasterLocat Name Next Stage Output State Path Playable Iten Speed Story ID Take Stage	n Data — ange the se familiar If you red	with the	use of Regula stance with this	r Expressions. feature contact Filter (Enter Re Output Formatt Preview Current: 15 Result:	Each c Chyror egular E ing	column can h n technical si Expression He	ave a RegEx upport. are) Preview	filter

Figure 98. The Filter Column Data dialog

In this example, we will modify the displayed contents of the **Description** column. Without filtering, iSQ Viewer has been displaying story numbers (such as "A01" and "A02") as well as the story *slug* in the Description column. This information will be filtered out of the displayed Description column, since it also appears in Viewer's **Story ID** column.

(**Note** that any of the columns may be shown/hidden or modified. This example simply takes a basic Viewer layout as its premise for eliminating information from one column that is duplicated in another column.)

Ī	Story ID	Name	Description	
	A01	EVENING_NEWS\00011156	A01 @ ANTI TERROR	(Brea
	A01	EVENING_NEWS\00011157	A01 @ ANTI TERROR	[FS B
	A02	EVENING_NEWS\00011158	A02 @ SPVEGAS	[FS A)
	A02	EVENING_NEWS\00011159	A02 @ SPVEGAS	[FS M

Figure 99. At left the Story ID is displayed in its own column. Note that the Description column duplicates the Story ID information.

- 1. Open the Filter Column Data dialog as seen above in Figure 98.
- 2. Select the Description column. Note the three parts of the column's text.

A01 @ ANTI TERROR

- The characters "A01" = Variable 1
- The @ symbol = **Constant**
- The characters "ANTI TERROR" = Variable 2

These may be treated as distinct elements in the displayed text, and with the application of proper filtering, unwanted elements may be removed.

The variable items, often a group of characters, will be noted as (.*), while *constant* items will be **as entered**; in this example, the @ symbol.

3. In the Filter Column Data dialog, enter the string (.*) @ (.*), as seen below:

Filter Column Data			×			
Filter Column Data						
You can change the appearance of the text data that apears in the cells of the playlist here. To do so, you should be familiar with the use of Regular Expressions. Each column can have a RegEx filter applied to it. If you require assistance with this feature contact Chyron technical support.						
Columns		Filter (Enter Regular Expression Here)				
Alignment Index		(.*)@(.*)				
Asset Class Asset Status		Output Formatting				
Collection type Description						
Details File Name		Preview Save				
Filename Has Clip Length		Current: A01 @ ANTI TERROR				
MasterLocationID Name		Result: A01 @ ANTI TERROR				
Next Stage Output State Path		Ignore Blank Evaluations				
Playable Item	•	Enable Filtering (Affects all columns)				
		Close				

Figure 100. The text content of the Viewer's Description column, represented by a Regular Expression, for later filtering.

The first (.*) represents the first group of displayed characters, while the @ symbol is literal text and the second (.*) represents the third group of displayed characters.

The text displayed in the column is thus broken up into elements that the user may edit.

As seen above in Figure 100, no Output Formatting has yet been created.

4. Click the **Preview** button; note that in Figure 100, the content of the Description column is unchanged.

The Output Formatting field can now be used to select (or omit) what appears in the Description column on the iSQ Viewer Running Order.

Filter Co	umn Data			×				
Filter Co	olumn Data							
you sho	You can change the appearance of the text data that apears in the cells of the playlist here. To do so, you should be familiar with the use of Regular Expressions. Each column can have a RegEx filter applied to it. If you require assistance with this feature contact Chyron technical support.							
Columns			Filter (Enter Regular Expression Here)					
Alignme Asset C	nt Index	1	(.*) @ (.*)					
Asset S		Н	Output Formatting					
collecti		Ш	{2}					
Descrip Details	tion	Н						
File Na	ne	L	Preview Save					
Filenam	-	Н	Preview					
Has Clij Length	0	Н	Current: A01 @ ANTI TERROR					
	.ocationID		D					
Name			Result: ANTI TERROR					
Next St	-							
Path	State		Ignore Blank Evaluations					
Playabl	e Item 💌 💌	-	Enable Filtering (Affects all columns)					
			Close					

Figure 101. Output Formatting being created

- 5. In the Output Formatting field, enter **{2}**, which displays the content of Variable 2 in the **Result** area of the dialog, when the Preview button is clicked.
- 6. If you are satisfied with the result of the output formatting you have set up, click the Save button to commit changes to the column settings. Before closing, be sure to **Enable Filtering**.

Note: Dragging and Dropping Columns

The user may single-click on a column header and drag it to new location on the interface, as seen in the following illustration.

Story ID	Name	Description	Speed
 MH1 @	NEWS\00020516	Name	15
MH1 @	NEWS\00020517	MH1@	15
MH1 @	NEWS\00020518	MH1 @	15
MH1 @	NEWS\00020519	MH1 @	15
 MH1 @	NEWS\00020520	MH1 @	15

Story ID	Description	Name	Speed
MH1 @	MH1 @	NEWS\00020516	15
MH1 @	MH1@	NEWS\00020517	15
MH1 @	MH1@	NEWS\00020518	15
 MH1 @	MH1 @	NEWS\00020519	15
MUM CS	MU4 A	NEW000000500	12

MUM CO. LML14 CS

Figure 102. Moving a column on the iSQ Viewer interface.

Note: Expanding Columns Vertically

The user may Control - Click & Drag to change column height, as seen in the following illustration.



Figure 103. Control - Click & dragging the row separator at the left of each Playlist to change the height of Playlist rows.

Hide/Floating

*	iSQ Playlist Viewer
/	😢
	LEWSSYS Channel: 1
	n

Figure 104. Right-click on the Playlist title bar to access the Hide and Float options.

- **Hide**: With Playlist Viewer open and running, the user may "Hide" an individual channel Playlist by rightclicking on its title bar and selecting Hide. This leaves the entire Playlist Viewer interface populated by expanded display(s) of the other currently running channel Playlist(s). **NOTE** that once a Playlist has been "hidden" the user must return to the Service Viewer to add the Playlist for that channel back to the Viewer.
- Floating: The user may "float" an individual channel Playlist by right-clicking on its title bar and selecting Floating. This action renders the selected Playlist's display pane re-sizable. The corners and sides of the pane may be click-dragged in familiar Windows fashion. The Playlist's display pane may be locked back into place on the Playlist Viewer by right-clicking its title bar and de-selecting Floating.

Lyric Playout Panel

iSQ playout of NRCS-originated Playlists may be interrupted by user-initiated call-up of Lyric messages not in the current Playlist. This is accomplished by means of the Lyric Playout Panel button located at the lower-left corner of each displayed Playlist, as seen in Figure 105.

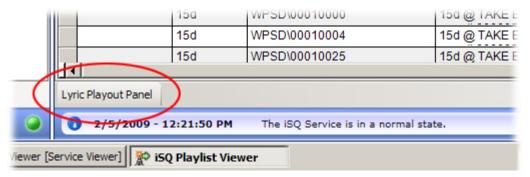


Figure 105. Lyric Playout Panel button as seen during routine Playout Viewer operation.

Clicking the Lyric Playout Panel button replaces the current Playlist with an input field where the user may enter the number of the desired Lyric message. Initially, *only* the message number input field appears. Play, Pause and Stop controls, plus detail about the message appear when the message has been played to the output device's Lyric canvas.

The Lyric Playout Panel may also be opened by the keyboard shortcut Alt + Shift + [Channel Number]. For instance, iSQ Viewer Channel 2's Lyric Playout Panel may be opened by the key combination Alt + Shift + 2.

Refer to Appendix 6 on Page 121 for a complete list of iSQ keyboard shortcuts.

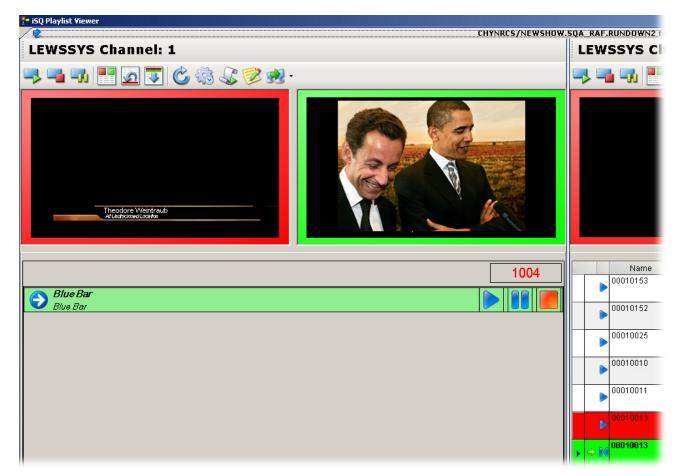


Figure 106. Here, a Lyric message number has been entered and the message sent to the Lyric canvas.

Lyric Message Number Onscreen Keypad

The user may double-click inside the Lyric message number input field to open an onscreen numerical keypad for use with a mouse. The keypad may be dismissed by clicking within the input field again.

	<mark>1004</mark>	
1 2	3	
4 5	6	
7 8	9 E n t Del r	
0	Del r	

Figure 107. Lyric Message Number Onscreen Keypad

Lyric PRO Transitions

If the output device is running Lyric PRO, and if the message called contains Lyric PRO transitions, pressing the button on the interface displays any Transitions that may be available in the message. Note that the icon for each transition is itself a mouse-clickable button, which will initiate that transition.

	1004
Blue Bar Blue Bar	
Available Transitions	
Default Effect In Effect Out	

Figure 108. Lyric PRO transitions available for playout from the Playlist Viewer's Lyric Playout Panel.

After the completion of a Lyric message played in this fashion, the user may resume normal iSQ operation via routine iSQ Take commands from the keyboard or Cueboard; this type of action may be performed whether or not the Lyric Playout Panel remains on the Viewer interface. To return to the familiar Playlist interface, press the Lyric Playout Panel button.

After use of items loaded and played on the Lyric Playout Panel, the Playlist row that was last in the **Loaded Current Item** state will be ready for playout via keyboard or Cueboard commands.

The Lyric Playout Panel may be closed by clicking the Lyric Playout Panel button again.

See the following notes for some cautions regarding switching between normal iSQ operation and the Lyric Playout Panel.

Notes

- Lyric messages called up for display in this manner must be **present in the default Message directory** of the Lyric installation that is operating in concert with iSQ.
- As on the Lyric interface itself, once the message number has been input and that message appears on the canvas, the message number increments to the next message that may be read up.
- *Non-persistent* Lyric PRO messages containing an Effect Out transition will clear themselves upon completion.
- **Beware** of Lyric PRO messages marked **Persistent**. Stopping such messages on the Lyric Playout Panel will clear Output completely, taking with them any items played by iSQ.

Status Alerts

iSQ Viewer posts the time of the most recent MOS update to the Playlist(s) as well as the status of iSQ Service's connection to CAMIO.

• **Playlist update**: These status updates appear at the bottom of each displayed Playlist as seen in Figure 109. The Playlist may be updated manually by use of the Reload Playlist ^C button, as seen on Page 82. Note however, that this action does not merely update Playlist status. Clicking ^C actually reloads the Playlist, incurring the possibility of some delay in the functioning of the Viewer.

	15d	WPSD\00010000	15d @ TAKE E	
	15d	WPSD\00010004	15d @ TAKE E	
	15d	WPSD\00010025	15d @ TAKE E	
Lyric Playout Panel				
2/5/2009 - 12:21:50 PM		The iSQ Service is in a normal st	tate.	
2/3/2009	12.21.50 PM	The ISQ Service Is in a hormal state.		

Figure 109. Left: Most recent Playlist update. Right: iSQ Service status.

0	2/5/2009 - 3:13:07 PM	Requesting a Playlist update from the iSQ Service

Figure 110. The Status Bar indicates Playlist updates in progress.

Health Monitor: This feature reports the condition of iSQ Service's plugins, and on Lyric's operation on the
playout device. Left-click on the Viewer's Status Updates to open the display. Note that the display must be
dismissed with its Windows is button.

State	Health Monitor Source	Description		
Normal	iSQ CAMIO Ingest	CAMIO Ingest in Online Mode		
Normal	iSQ CAMIO Ingest	CAMIO is Connected		
Normal	iSQ Native Ingest	INI Enabled, Editing Allowed		
Normal	Lyric Output Plugin	Lyric is Running		
			Lyric Playout Panel	
			cyner ayoder aner	

Figure 111. iSQ Service Health Monitor as seen on the iSQ Viewer interface, with all monitored functions running properly.

Items displayed on the Health Monitor:

- iSQ CAMIO Ingest, first line: Indicates the user-switchable state of the Viewer software's Playlist Editing option. If Playlist Editing is enabled, CAMIO is in Offline Mode, which is discussed at length on Page 82. If Playlist Editing is disabled, CAMIO is in Online Mode, which constitutes normal iSQ operation.
- iSQ CAMIO Ingest, second line, when CAMIO connection is operating properly. If iSQ Service is completely disconnected from CAMIO by network or other hardware failure, this item on the Health Monitor will move to the bottom line, show red and display the error message "CAMIO is not available", as seen below.
- iSQ Native Ingest. If the 'INI Plugin' is not enabled, editing, in the form of drag and drop of items and speed/transition adjustments within a playlist, are not allowed. When editing, iSQ disconnects from CAMIO, so as not to receive running order updates from CAMIO while playlists are being modified locally in the iSQ Viewer. If iSQ weren't disconnected from CAMIO, any running order updates coming from the NCS (newsroom control system) into CAMIO will then be fed to iSQ and local modifications will be overwritten.
- **Lyric Output Plugin**. If has crashed on its output device and fails to restart, the Health Monitor will display a warning, as seen in Figure 113.

State	Source	Description
Normal	iSQ CAMIO Ingest	CAMIO Ingest in Online Mode
Normal	iSQ Native Ingest	INI Enabled, Editing Allowed
Normal	Lyric Output Plugin	Lyric is Running
Error	iSQ CAMIO Ingest	CAMIO is not available

Figure 112. iSQ Health Monitor indicating an error in iSQ communication with CAMIO.

iSQ Service He	alth Monitor	Х
State	Source	Description
Warning	iSQ CAMIO Ingest	CAMID Ingest in Offline Mode
Normal	iSQ CAMIO Ingest	CAMID is Connected
Normal	iSQ Native Ingest	INI Enabled, Editing Allowed
Error	Lyric Output Plugin	Lyric Restart Failed. Restart iSQ Service

Figure 113. iSQ Service Health Monitor indicating trouble with Lyric on the output device.

Appendix 1. Manual Configuration of the CAMIO IIS Process for iSQ Thumbnails

The purpose of this procedure

To enhance the performance of CAMIO when used with iSQ Viewer version 2.2.35.1 or higher, changes are required in the configuration of the CAMIO server and the iSQ Viewer. These changes enable the CAMIO server to provide thumbnails for messages using CAMIO's Internet Information Services (IIS). Thumbnails become available for retrieval by iSQ itself, as opposed to CAMIO 'pushing' Thumbnails to iSQ and its playout devices. Overall performance is thus improved by reducing demand placed on the CAMIO server each time Running Order updates are required by changes made to scripts in the Newsroom Computer System (NRCS).

The following instructions show, step-by-step, how to properly configure a CAMIO or CAMIO HA server for use of IIS to serve thumbnails.

Launch the IIS Manager on the CAMIO Server

On the Windows Start menu, go to CONTROL PANEL > ADMINISTRATIVE TOOLS.

Locate INTERNET INFORMATION SERVICES and double-click the item to launch the Internet Information Services (IIS) Manager.

F Control Panel		隋 Administrative Tools		
Eile Edit View Favorites Tools Help		Eile Edit View Favorites I	ools <u>H</u> elp	
🕓 Back 👻 🕤 👻 🎾 Search	🜔 Folders 🛛 🕼 汝 🗙 🍤 🛄 -	🔇 Back 🝷 🕤 👻 🥬 Search	h 🌔 Folders 🛛 📴 汝 🗙	< 🖌
Address 📴 Control Panel	💌 ラ Go	Address 🦏 Administrative Tools		•
Name 🔺	Comments	Name 🔺	Size Type	
2		Component Services	2 KB Shortcut	
Accessibility Options	Adjust your computer settings for	Computer Management	2 KB Shortcut	
Add Hardware	Installs and troubleshoots hardware	Data Sources (ODBC)	2 KB Shortcut	
Add or Remove Programs	Install or remove programs and Wi	Distributed File System	2 KB Shortcut	
Administrative Tools	Configure administrative settings f	Event Viewer	2 KB Shortcut	
Automatic Updates	Set up Windows to automatically d	Internet Information Services	2 KB Shortcut	
Plate and Time		Licensing K	2 KB Shortcut	
2	Set the date, time, and time zone	B Local Security Policy	2 KB Shortcut	
🐣 Display	Change the appearance of your d	Remicrosoft .NET Framework 1	2 KB Shortcut	

Under the Default Web Site create a new Virtual Directory

Right-click on Default Web Site and select New > Virtual Directory...

🐚 Internet Information Servic	es (IIS) Manager			
Section View Window ← → 1 1 X 1		11		_8×
Internet Information Services GAMIO6 (local computer) Application Pools Web Sites Web Service Extension	Description Explore Open Permissions Browse Start Stop	Identifier 1	State Running	Host header value I
	P <u>a</u> use New → All Tasks → New <u>Window from Here</u> <u>D</u> elete	<u>W</u> eb Site Web <u>S</u> ite (from fi <u>V</u> irtual Directory. Virtual <u>D</u> irectory (

- 🗆 🗵 • 🔁 Go Dat 5/2

5/2 5/2 5/2 5/2 5/2 5/2

5/2 5/2

Virtual Directory Creation Wizard

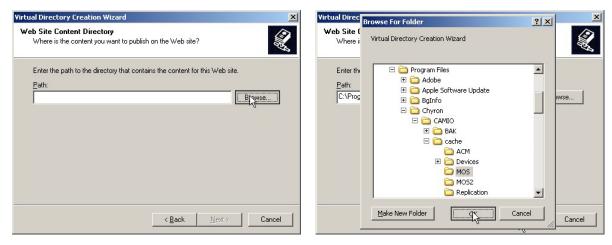
This action opens the Virtual Directory Wizard, seen below. Click **Next** to continue.

Virtual Directory Creation Wi	zard	×
	Welcome to the Virtual Directory Creation Wizard	
K	This wizard helps you create a new virtual directory on this Web site.	
	To continue, click Next.	
	Cancel	

The Virtual Directory Wizard will prompt for a **Virtual Directory Alias**. Enter "**thumbs**" as the alias. Click on the **Next** button to continue.

tual Directory Creation Wizard		×
/irtual Directory Alias Specify a short name, or alias, for this vi	tual directory.	(The second
Type the alias you want to use to gain a same naming conventions that you wou	ccess to this Web virtual directory. Use the Id for naming a directory.	э
<u>A</u> lias:		
thumbs I	_	
,		
	< <u>B</u> ack <u>N</u> ext > C	ancel

The Virtual Directory Wizard will prompt for a directory to be used. Use the Browse button to navigate to the proper path. The default path is: "C:\Program Files\Chyron\CAMIO\cache\MOS". Click on the OK button to confirm that you have entered the desired path. Click on the <u>Next</u> button to continue.



The Virtual Directory Wizard will now prompt for Access Permissions. BE sure to check READ and Browse. Click on the **Next** button to continue.

Virtual Directory Creation Wizard	×
Virtual Directory Access Permissions Set the access permissions for this virtual directory.	
Allow the following permissions:	
☑ <u>B</u> ead	
Run <u>s</u> cripts (such as ASP)	
Execute (such as ISAPI applications or CGI)	
<u> </u>	
To complete the wizard, click Next .	
< Back	<u>N</u> ext > Cancel

The Virtual Directory Wizard configuration is now complete. Click on the Finish button to exit the wizard.



Testing the Configuration

With creation of the virtual directory complete, the user may browse to the thumbs folder of CAMIO to confirm proper setup. A sample browser displaying the appropriate directory is shown at left below, along with its URL in plain text at right. When configuring your system, be sure to enter the exact name of the CAMIO server that you have configured in the previous steps.

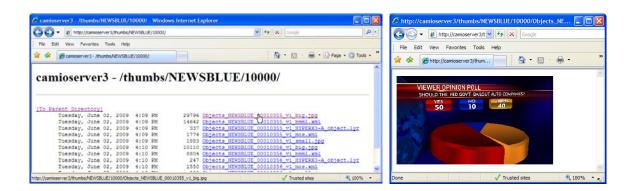
+ http://camiose			2 1		× Goode		P .
and a mathematic	erver sy	mumos/			Col Prode		1000
File Edit View Favorites	Took	e Help					
🖌 🐼 🏾 🏀 comioserver3 - /th	umbs/				☆ • ⊠ ·	🖷 • 🔂 Padig	• 🕜 Tools •
camioserver	.3 .	- /t]	hun	ıbs	/		
[To Parent Directory Wednesday, June		2009	3-00	1.1	44770	.cache	
Wednesday, April							
Tuesday, April					<dir></dir>		
					<dir></dir>		
Friday, May						disables .	
Friday, May Friday, May		2009	12:42	PM	<dir></dir>	NEWSBLUE	
Friday, May	22,				<dir><dir></dir></dir>		
	22, 03,	2009	12:03	PM	<dir></dir>	RED	
Friday, May Friday, April	22, 03, 16,	2009	12:03 9:54	FM AM	<dir></dir>	REGIONAL	
Friday, May Friday, April Monday, March	22, 03, 16, 26,	2009 2009 2009	12:03 9:54 12:58	PM AM PM	<dir><dir></dir></dir>	REGIONAL SEVEN	
Friday, May Friday, April Monday, March Tuesday, May	22, 03, 16, 26, 05,	2009 2009 2009 2009	12:03 9:54 12:58 5:06	PM AM PM PM	<dir><dir><dir><dir></dir></dir></dir></dir>	RED REGIONAL SEVEN SIX	
Friday, May Friday, April Monday, March Tuesday, May Thuraday, February	22, 03, 16, 26, 05, 18,	2009 2009 2009 2009 2009	12:03 9:54 12:58 5:06 9:04	FN AM FN FN AM	<pre><dir> <dir> <dir> <dir> <dir> <dir> <dir> <dir> <dir><</dir></dir></dir></dir></dir></dir></dir></dir></dir></pre>	RED REGIONAL SEVEN SIX	
Friday, May Friday, April Monday, March Tuesday, May Thursday, February Wednesday, March	22, 03, 16, 26, 05, 18,	2009 2009 2009 2009 2009	12:03 9:54 12:58 5:06 9:04	FN AM FN FN AM	<pre><dir> <dir> <dir> <dir> <dir> <dir> <dir> <dir> <dir><</dir></dir></dir></dir></dir></dir></dir></dir></dir></pre>	RED REGIONAL SEVEN SIX TEST	

http://camioserver3/thumbs/

Note that the thumbnails are grouped into subfolders by multiples of 1000. Hence, a message designated 10355 is in the subfolder "SEVEN/10000", while message 11020 would be in subfolder "SEVEN/11000".

File Edit View Favorites		Help				
🖌 🐼 🎢 camioserver3 - /th			-		-	144 144 14 14 14 14 14 14 14 14 14 14 14
	umbs/5	EVEN/			1 · 1	🖶 * 🕞 Page * 🙆 Tools *
			1.000			
1927	12.11	0.00		121	and the second	
camioserver	3	. /+l	hum	he	SEVE	N/
cannoserver	9	· / U	uuu	IDS	SEVE	
(To Parent Directory)	1.1					
Manda and and Man					244-2	
Wednesday, May	27,				<dir></dir>	
Thursday, March	27.	2009	12:00	AM	<dir></dir>	12000
	27.	2009	12:00	AM		12000
Thursday, March	27. 26. 03.	2009	12:00	AM AM	<dir><dir></dir></dir>	12000
Thursday, March Wednesday, June Wednesday, May	27. 26. 03. 27.	2009 2009 2009	12:00	am am am	<dir> <dir> 560</dir></dir>	12000
Thursday, March Wednesday, June Wednesday, May Thursday, December	27. 26. 03. 27. 11.	2009 2009 2009 2008	12:00 12:00 10:19 1:23	AM AM AM PM	<dir><dir><dir><dir><60</dir></dir></dir></dir>	12000 13000 Assets SEVEN 0621F35 Assets SEVEN 09F165F
Thursday, March Wednesday, June Wednesday, May Thursday, December Wednesday, April	27. 26. 03. 27. 11. 08.	2009 2009 2009 2008 2008	12:00 12:00 10:19 1:23 12:23	AM AM AM PM PM	<dir><dir><dir><61r><560</dir></dir></dir>	12000 13000 Assets SEVEN 0621F35 Assets SEVEN 09F165F Assets SEVEN 08A59A4
Thursday, March Wednesday, June Wednesday, May Thursday, December Wednesday, April Tuesday, April	27. 26. 03. 27. 11. 08. 07.	2009 2009 2009 2008 2009 2009	12:00 12:00 10:19 1:23 12:23 12:32	AM AM PM PM PM	<dir><dir><dir><dir><560160342158</dir></dir></dir></dir>	12000 13000 Assets SEVEN 0621F35 Assets SEVEN 09F165F Assets SEVEN 0BA59A4 Assets SEVEN 20A3CE1
Thursday, March Wednesday, June Wednesday, May Thursday, December Wednesday, April Tuesday, April Tuesday, March	27, 26, 03, 27, 11, 08, 07, 24,	2009 2009 2009 2008 2009 2009 2009	12:00 12:00 10:19 1:23 12:23 12:32 3:58	AM AM PM PM PM	<dir> <dir> 560 160 342 158 156</dir></dir>	12000 13000 Assets SEVEN 0621F35 Assets SEVEN 09F165F Assets SEVEN 08A59A4 Assets SEVEN 20A3CE1 Assets SEVEN 247C1D8
Thursday, March Wednesday, June Wednesday, May Thursday, December Wednesday, April Tuesday, April Tuesday, March Wednesday, March	27. 26. 03. 27. 11. 08. 07. 24. 18,	2009 2009 2009 2008 2009 2009 2009 2009	12:00 12:00 10:19 1:23 12:23 12:32 3:58 3:57		<dir> <dir> 560 160 342 158 156 254</dir></dir>	12000 13000 Assets SEVEN 0621F35 Assets SEVEN 09F165F Assets SEVEN 08A59A4 Assets SEVEN 20A3CE1 Assets SEVEN 20A3CE1 Assets SEVEN 28512AA
Thursday, March Wednesday, June Wednesday, May Thursday, December Wednesday, April Tuesday, March Wednesday, March Wednesday, March	27. 26, 03, 27, 11, 08, 07, 24, 18, 18,	2009 2009 2009 2008 2009 2009 2009 2009	12:00 12:00 10:19 1:23 12:23 12:32 3:58 3:57 3:56	AM AM PM PM PM PM PM PM PM	<dir><dir><dir><dir><560</dir></dir></dir></dir>	12000 13000 Assets SEVEN 0621F35 Assets SEVEN 00F165F Assets SEVEN 00A3041 Assets SEVEN 20A30E1 Assets SEVEN 24701DB Assets SEVEN 24701DB Assets SEVEN 2206711
Thursday, March Wednesday, June Wednesday, May Thursday, December Wednesday, April Tuesday, April Tuesday, March Wednesday, March	27. 26, 03. 27. 11. 08, 07, 24, 18, 01,	2009 2009 2009 2009 2009 2009 2009 2009	12:00 12:00 10:19 1:23 12:23 12:32 3:58 3:57 3:56 5:22	AM AM AM PM PM PM PM PM PM PM PM PM	<pre><dir> <dir> <dir> <dir> <fdital <="" pre=""></fdital></dir></dir></dir></dir></pre>	12000 13000 Assets SEVEN 0621F35 Assets SEVEN 09F165F Assets SEVEN 08A59A4 Assets SEVEN 20A3CE1 Assets SEVEN 20A3CE1 Assets SEVEN 28512AA

In this sample setup, the URL for viewing a thumbnail of the message 10355 from the CAMIO context NEWSBLUE would be: http://camioserver3/thumbs/NEWSBLUE/10000/Objects NEWSBLUE 00010355 v1 big.jpg



Configuration of the iSQ Viewer

The iSQ Viewer also requires changes in configuration to take advantage of CAMIO's new means of thumbnail retrieval.

Launch the iSQ Viewer and click on the *Configure* button. This will open the Configuration menu.

A iSQ Viewer [Service Viewer]		_		×
😡 Connections 🚍 Selected 🔍 View 🎲 Configure 🞯 Help		Version	2.2.39	5.5
Connect View Tab Hide	Current View:	Rundown	Servi) ice
TRAINING RUNDOWN		AVAILABLE	۲	^
HYPERX3-A				
MOSDEMO3XCLYPS2				

Click on the link for the Playlist Viewer link on the left side of the Configuration menu. This will open the Playlist Viewer options menu on the left side of the menu.

figure iSQ Service Viewer	
iSQ Viewer	General Settings
Playlist Viewer	Local Service Port: 5025
🙈 General 😾	Playlist Poll Duration: 100
🚂 Servers	
運 GPI	
Logging	
Playlist	
Playlist Appearance	
🚱 Quick Edit	
🥩 Automation	
🗞 Plug-ins	
嬎 Macros	
🚯 Keyboard	

The left column will reveal additional configuration options for Playlist Viewer. Click on the General link.

Configure iSQ Service Viewer	
Playlist Viewer	General Settings
 Back to iSQ Viewer Settings General Preview Grid Status Bar 	Local Service Port: 5025 Playlist Poll Duration: 100

The Playlist Viewer General menu will appear, showing the current setting for *Thumbnail Host*, which is the source of thumbnails published to the iSQ Viewer. The default setting is CAMIO.

Drawing thumbnails directly from CAMIO may result in delayed thumbnail updates on the iSQ Viewer, if CAMIO is busy with other tasks of higher priority than issuing thumbnail updates.

Playlist Viewer	Playlist Viewer / General	
 Back to iSQ Viewer Settings General Preview Grid 	Thumbnail Host: CAMIO	
🖎 Status Bar		

The preferred option (and the point of these configuration changes) is **IIS**. Select IIS from the Thumbnail Host pull down menu. This selection will present a field for entering the name of the path (created above), from which thumbnails will be retrieved.

figure iSQ Service Viewer	
Playlist Viewer	- Playlist Viewer / General
 ♦ Back to iSQ Viewer Settings ☑ General ♀ Preview ☑ Grid △ Status Bar 	Thumbnail Host: CAMIO

The suggested configuration uses the path name *Thumbs*, which appears as an example on the interface.

Playlist Viewer	- Playlist Viewer / General	
 Back to iSQ Viewer Settings General Preview Grid Status Bar 	Thumbnail Host: IIS	Example: /Thumbs

Enter /**Thumbs** as the path, making sure to include the forward slash in the path name. Click on either the **Back to** *iSQ Viewer Settings* or the **Close** button at the bottom of the configuration menu to accept the configuration changes.

Playlist Viewer	- Playlist Viewer / General	
	Thumbnail Path: //Thumbs Example: /Th	umbs
Status Bar		

Appendix 2. XClyps iSQ Service Configuration Addendum

The iSQ product consists of two software applications working in concert with Chyron's CAMIO graphics management system, and Chyron playout systems such as Lyric-based devices and XClyps systems.

MOS-enabled newsroom systems such as iNEWS and ENPS generate Running Orders, which comprise a list of production items, in order of appearance, in the show's Rundown. These Running Orders are published to the CAMIO server. The CAMIO server parses the running orders into *individual running orders for each device that is currently running the iSQ Service*.

The **iSQ Viewer** application harvests each connected playout device's individual running order and presents all devices' running orders on a single screen. Additionally, the CAMIO server stores Lyric messages, graphics and video clips that will be required for output during the production.

iSQ and CAMIO also work together to copy all required Lyric messages, graphics and video clips to storage on those output devices.

The **iSQ Service** application **operates** each connected playout device in a manner similar to manual control or the operation of a Lyric Playlist.

Receiving Playlists from iSQ Service, the **iSQ Viewer** application runs on a standard PC to create a unified graphical interface for the iSQ operator. The interface displays a running order of Chyron device-related events in a production and generates thumbnails of Lyric messages scheduled for playout. Events in the running order are executed by an operator, using iSQ's included **CueBoard**, a dedicated keyboard device customized for use with iSQ. The iSQ Viewer can also trigger events from a standard keyboard, or input from optional GPI hardware.

Please refer to the iSQ documentation set for complete details of iSQ installation and operation.

This document is specific to XClyps configuration and operation in connection with iSQ.

iSQ Service Configuration

The iSQ Service should be installed on the XClyps device. Start the service by double-clicking the iSQ Service on the desktop, or using the Start Menu shortcut. Once the iSQ Service has been launched, the iSQ Service appears in the system Taskbar, as seen below.



The icon is visible whenever the service is running. Right-clicking the iSQ Service icon opens a context menu; selecting the **Configure iSQ Service** option will launch the **Configure iSQ Service** menu.



Configuration of the Plugins

After initial installation, the **iSQ CAMIO Ingest**, **XClyps Output**, and **iSQ Native Ingest** plugins must be enabled. Click on the **Plugins** link in the Applications window on the left-side of the interface to display the Plugins options menu.

Configure iSQ Service	
Application 🔶	General Settings
 ▲ General ↓ Logging ↓ Viewer Options ↓ Pluging 	Local Service Port: 5005 Target Registry Port: 5005 Camio Service Port 10542 Behavior Cue Back Cue Back Split by Channels Y Retain Playing Item (Requires Restart) Unpause Across All Items Y Use Default Effects (Requires Restart) Enable Two-Stage Take (No auto-loading of next item; Requires Restart) Reload Apply Close

iSQ CAMIO Ingest Plugin

Enable **iSQ CAMIO Ingest** using the check box, and click on the **Configure** button. This opens the menu.

Configure iSQ Service		
Application Image: Comparison of the c	Service Plugins You may select which plugins yo Available Plugins: V SQ CAMIO Ingest Lyric Output Plugin XClyps Output Plugin V SQ Native Ingest Refresh	Plugin Information Name: iSQ CAMID Ingest Version: 1.0.0.0 Description: Allows BMML output from CAMID to be ingested
	Reload	Apply Close

The CAMIO Ingest Plug in Configuration menu appears. Be sure to check Delay empty running order updates and confirm that the timeout value is set to 30 seconds. Click the Save button to confirm these settings or any changes, and return to the Plugin menu.

Camio Ingest Plug-in Configuration			
Plug-In General	۲	General Delay empty running order updates Timeout: 30 seconds. Undo Changes Save Cancel	

Setting the **Delay empty running order updates** option prevents the occurrence of a rare situation in which a "blank running order" is presented within the iSQ Viewer for a period of 10 seconds. Setting the value to 30 seconds is suggested to avoid this situation during a production.

XClyps Output Plugin

Enable the **XClyps Output Plugin** by clicking the appropriate check box. Next, click the **Configure** button to adjust the settings for the XClyps Output Plugin.

Configure iSQ Service		
Application Image: Comparison of the c	Service Plugins You may select which plugins you Available Plugins: SQ CAMIO Ingest Lyric Output Plugin XClyps Output Plugin SQ Native Ingest	u wish to have loaded when iSQ Service starts. Plugin Information Name: XClyps Output Plugin Version: 1.0.0 Description: Allows ability to interface and communicate with XClyps through ISQ. Configure
	Refresh	Apply Close

There are several configuration options on this menu. The settings are defined by specific details of your facility's workflow, so these options are user-defined.

iSQ XClyps Plugin Cont	iguration 🛛 🔀
Channel 1 Behavior	
Pause on first frame	
💿 Only if Group has	"Show first frame on cue" is enabled
🔿 Always	
Channel 2 Behavior	
Pause on first frame	
Only if Group has	"Show first frame on cue" is enabled
O Always	
XClyps Application Settings	
Changing these settings wi	Il require a restart of the ISQ Service.
Start XClyps Automatica	ily
XClyps Path: C:\Program	Files\Chyron\XClyps 2.6.0.12\XClyps.ex
🗹 Enable XClyps Crash Re	ecovery
Retry Attempts: 1	\$
Restart Delay: 7	\$
Grace Timeout: 10	\$
Poll Interval: 3	\$
	OK Cancel

Channel Behavior

XClyps media (referred to as Groups) may be configured on a group-by-group basis, with the setting **Pause on First Frame**. If this option is enabled, the user may choose to have it affect only XClyps groups designated **Show** *First Frame on Cue*, or may select the option **Always**. ALWAYS treats all groups **globally** as if "Show First Frame on Cue" were enabled, regardless of the settings of the individual group.

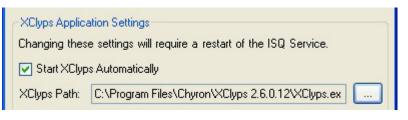
iSQ XClyps Plugin Configuration	×
Channel 1 Behavior	
Pause on first frame	
Only if Group has "Show first frame on cue" is enabled	
O Always	
Channel 2 Behavior	
Pause on first frame	
Only if Group has "Show first frame on cue" is enabled	
O Always	

When enabled, XClyps groups under control of iSQ will cue the first frame when the Play button on iSQ is pressed to advance the Running Order. To play a paused item via iSQ, the Pause Release button must be pressed. This configuration can be set differently for each channel of iSQ.

XClyps Application Settings

The iSQ Service can be configured to start the XClyps application automatically. Enabling this option requires the selection of the desired version of XClyps using the "Browse to file" button to set the proper path.

This is the suggested configuration, <u>however the XClyps application **must not** be added to the Startup group of the user login (Start > Programs > Startup). It IS suggested that the **iSQ Service** application should be added to the Startup group. XClyps performance is unaffected by the iSQ Service running concurrently with XClyps, whether under manual control or switcher control (such as PBUS, GPI or VDCP etc).</u>



Enable Crash Recovery

These settings enable the user to determine preferences for automated recovery of the XClyps application. The number of times the application will attempt restart, the delay between attempts, and the amount of time the application will wait to confirm that the application has crashed are adjustable in this portion of the menu.

🗹 Enable XClyps Cras	sh Reco	overy		
Retry Attempts:	1	\$		
Restart Delay:	7	\$		
Grace Timeout:	10	\$		
Poll Interval:	3	\$		

Click on the **OK** button to accept all changes made to the **iSQ XClyps Plugin**'s settings.

ОК	Cancel
	ОК

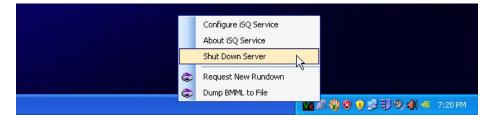
iSQ Native Ingest

Enable the iSQ Native Ingest plugin, which allows for an "Offline edit of an iSQ Running Order". There are no configuration settings for this plugin.

Configure iSQ Service	
Application Image: Comparison of Compari	Service Plugins You may select which plugins you wish to have loaded when iSQ Service starts. Available Plugins: IsQ CAMID Ingest Lyric Output Plugin XClyps Output Plugin XClyps Output Plugin ISQ INative Ingest Version: 1.0.0 Description: Provides support for iSQ's native playlist format from iSQ Viewers for editing. Refresh Reforesh

Accept Changes to the iSQ Service Configuration

After configuring the plugins, the iSQ Service must be restarted. Click the **Apply** button and then the **Close** button as seen above. After the dialog box closes, right-click the service icon in the application tray and select **Shut Down Server**.



Start the iSQ Service again to connect iSQ and XClyps to the CAMIO workflow.

XClyps/iSQ Behavior and Behavior Options

To understand these options, some background is needed.

- a) XClyps includes an option for having the Clip cue to output on the first frame. This option is available in the **Group settings**, on a per-group basis, or as a global setting applied to each group in XClyps.
- b) An XClyps Channel in SD may be operated in one of two modes, Normal mode or Transition Mode. In Normal mode, clips are cued directly to output. In Transition mode, clips are cued to an internal buffer and when played, may be transitioned with a fade or wipe effect over the currently playing clip. The Transition Mode option is available on the Channel Configuration page and will add several controls to the XClyps software's interface. In standard-definition operation, Transition mode is optionally available for each of XClyps' channels.

In high-definition operation, a single channel cannot function in Transition mode and the other in Standard mode, due to hardware restrictions. HD systems can only operate in Transition mode by dedicating both channels' hardware resources to a single output.

NOTE: At the time of this writing, June 2009, Chyron recommends that XClyps be operated only in Normal (*not* Transition mode) when being controlled by iSQ.

iSQ control of XClyps offers three playout functions from the iSQ keyboard or User Interface: **Take**, **Stop** and **Unpause**.

Non-Transition Mode Default Behavior

This chart shows the default behavior of XClyps when not in Transition mode under iSQ control.

XClyps State	iSQ Take	iSQ Stop	iSQ Release Pause
Cued	Start Play	Clears Output	Ignored
Playing	Stop and Start Play on Next Item	Stops and Clears Output	Ignored
Stopped	Start Play on Current Item	Ignored	Ignored

When a (non-looping) clip plays to the end, the next clip will be cued and XClyps will hold the last frame of the previous clip, *or* show the first frame of the Cued Clip based on the XClyps Group settings.

Many facilities operate Lyric based products under iSQ control. Lyric messages frequently contain pauses at the message's beginning, allowing that message to cue up with the start of the message visible on output. The **Pause Release** function of Lyric operating in concert with iSQ can thus be used to start Lyric playout.

When using XClyps in a mixed (XClyps and Lyric) environment, it is often desirable to have both the XClyps and Lyric devices controlled by iSQ. The Channel 1 and Channel 2 Behavior options enable XClyps to simulate the operation of a Lyric device when running under iSQ control.

iSQ XClyps Plugin Configuration	×
Channel 1 Behavior Pause on first frame	
 Only if Group has "Show first frame on cue" is enabled Always 	
Channel 2 Behavior	
Pause on first frame	
 Only if Group has "Show first frame on cue" is enabled 	
◯ Always	

NOTE: This option is on a per channel basis. These options take effect immediately after the **OK** button is pressed.

With the **Pause on first frame** option selected, a cued XClyps group set for **Show First Frame on Cue** in the Group settings will appear as Paused in iSQ. In XClyps itself, the Clip will appear as CUED and its head frame on output will not be paused in XClyps. In this case, however, iSQ will show the Clip as Paused.

If the XClyps group does not have the Pause on first frame option selected, XClyps will behave as before.

NOTE: XClyps includes a global setting for "Show First Frame on ALL groups". This global setting in XClyps has NO effect on iSQ; the setting will affect XClyps Cue behavior, but will not simulate pauses. To enable this behavior globally, the *Always* radio button in the iSQ XClyps Plugin Configuration MUST be selected.

Channel 1 Behavior Pause on first frame	
Only if Group has "Show first from Always	ame on cue" is enabled
Channel 2 Behavior	Global Setting for Pause Behavior
 Only if Group has "Show first from Always 	ame on cue" is enabled

Non-Transition Mode Simulated Pause Behavior

The chart below shows the XClyps' behavior when not in Transition mode, under iSQ control with simulated Pause behavior enabled.

The action Start Play, as seen in the chart below, causes immediate Clip start-up. Successive commands issued from iSQ's Cueboard (or iSQ shortcut commands from a standard keyboard), will cause the subsequent actions displayed in the chart.

If the XClyps Group is configured in the Group settings to Show First Frame, then the group will be cued and iSQ will display its status as Paused. Otherwise it will start playing.

XClyps State	iSQ Take	iSQ Stop	iSQ Release Pause
Cued	Start Play	Ignored	Ignored
Playing	Stop and Start Play on next item	Stops and Clears Output	Ignored
Paused (simulated)	Ignored	Clear output and Cue next	Play
Stopped	Start Play	Ignored	Ignored

Starting XClyps for iSQ operation

When operating XClyps under iSQ control, it is required that the iSQ Service be started before launching XClyps. The iSQ Service can be configured to automatically start XClyps; this preference may be configured in **XClyps** Application Settings, as seen in the following illustration.

Start XClyps Autor	natical	ly			
XClyps Path:					
Enable XClyps Cra	ash Re	covery			
Retry Attempts:	1	\$			
Restart Delay:	7	\$			
Grace Timeout:	10	* *			
Poll Interval:	3	0			

Enable the Option and set the XClyps Path to the executable of the XClyps installation that you wish started by iSQ Service. In this way, the user's preferred version of XClyps will be launched by iSQ on systems where more than one version of XClyps is installed. This preference ensures start-up of the correct installation of XClyps, even if another version of the application is already running.

NOTE: By default, XClyps installation places an XClyps shortcut among your system's Windows Startup items. It is recommended that that shortcut be removed, and install a shortcut to the iSQ Service instead.

Even when XClyps is operating independently of iSQ, Chyron recommends that the iSQ Service be left running.

For unattended operation of XClyps under iSQ control, it is also recommended that the XClyps Crash Recovery option be enabled. With this option enabled, the iSQ service will terminate and restart the application if the XClyps application becomes hangs or becomes otherwise unresponsive. The default settings shown are recommended as well.

Appendix 3. Optional GPI Hardware

GPI events may trigger Load and Take actions in the Playlist Viewer. iSQ currently supports **Measurement Computing's PCI-DIO24 24-bit Logic-level Digital I/O board**. This PCI bus device may be purchased from Chyron using the part number **5A01403**.

This device should be added to your system as follows:

- Installation of Measurement Computing's **InstaCal** driver software. This driver must be installed **before** the board is physically installed in your system
- Installation of the board in one of your system's PCI slots.
- Installation of Chyron's Generic GPI software.
- Initial testing of the board's installation using the InstaCal application.

InstaCal Installation

If you do not have a CD containing the InstaCal software, go to the Measurement Computing website at: <u>http://www.measurementcomputing.com/download.htm</u>. The InstaCal installer is called **icalsetup.exe**.

- The installer may be **Run** directly from the downloaded file's temporary folder, or the file may be **Save**d to a location of the user's choice. If the latter, navigate to that location and double-click the **icalsetup.exe** Run icon.
- Familiar dialog boxes will appear, warning that the file's publisher is unknown and requesting confirmation that the user wishes to proceed with the downloaded software's ZIP file extraction.
- The user is invited to accept the default installation location or to designate a different one.
- Over the course of several more dialog boxes, the user will be further prompted to confirm installation and an installation progress bar will appear.
- Completion of installation will be verified, and the user will be instructed to restart the system. Do so. Upon restart, the InstaCal software will be available, but with no hardware to operate at this time.

A Quick Start Guide for InstaCal may be downloaded at <u>http://www.mccdaq.com/PDFmanuals/DAQ-Software-Quick-Start.pdf</u>.

PCI Board Installation

A complete User's Guide for the PCI-DIO24 is available at <u>http://www.mccdaq.com/PDFmanuals/PCI-DIO24.pdf</u>.

- Shut down the system again.
- Install the PCI-DIO24 board in an available PCI slot, observing all appropriate cautions for handling electrostatic sensitive devices.
- Restart the system.

Chyron GPI Software Installation

The GenericGPI_v1.2_28Apr2008.exe file may be found on the iSQ Client installation disc. Refer to the left-hand pane of the disc's opening navigation page.

- Double-click the installer **GenericGPI_v1.2_28Apr2008.exe**. There is no .zip package to be extracted, but this process is otherwise similar to InstaCal installation; it is conducted via an InstallShield Wizard.
- You will be asked to confirm the default installation folder, C:\Program Files\Chyron\Generic GPI. Chyron recommends using this default location.
- Next, select **Typical** installation.
- After the **Configuring Generic GPI** progress bar appears, the dialog below confirms successful installation of the software:



Figure 114. Successful installation of Chyron GPI software.

• No restart of the system is required.

Launching InstaCal and Locating the New GPI Device

After installation of the PCI-DIO24 board, InstaCal should be aware of the device's presence automatically. Click the InstaCal icon; the interface should appear as pictured in Figure 115.

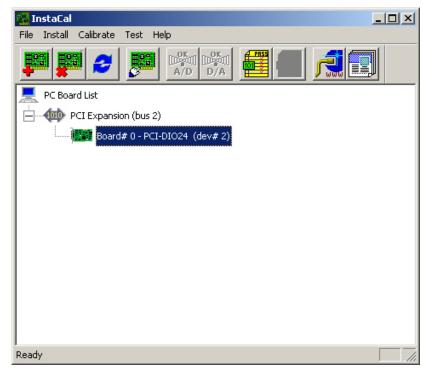


Figure 115. InstaCal, displaying the newly-installed PCI-DIO24 device.



If the new device does not appear as pictured in Figure 115, click the **Add Board F** button. InstaCal will search for available, appropriate devices. Upon finding the device, InstaCal will display the dialog seen in Figure 116. Click OK, and the device is added to the list of devices being managed by InstaCal.

🗱 InstaCal	×
File Install Calibrate Test Help	
PC Board List	Plug and Play Board Detection
	The following plug and play devices have been detected
	PCI-DI024 (bus# 2, dev# 2)
	Check those devices you wish to have added to the configuration file.
	ОК
Ready	

Figure 116. InstaCal successfully detecting a newly installed PCI-DIO24 board.

Testing the New GPI Device

For diagnostic and configuration functions beyond the test described below, consult the InstaCal Quick Start Guide, which may be downloaded at http://www.mccdaq.com/PDFmanuals/DAQ-Software-Quick-Start.pdf.

In the InstaCal menu, click the Test menu. Select Digital. ٠



. The Board Test menu appears, by default showing its Internal DIO tab:

	t: PCI-DIO24 a					X
iternal D	IO External DI	0			JI	
	Reg Type	Location	Fail	Pass	GND 19 +5V 18 37 A0 36 A1	
1	Output	de94h	\bigcirc	0	GND 17 - 35 A2	
2	Output	de95h	0		+12V 16 • 34 A3	
3	Output	de96h	0		GND 15 33 A4	
		•••••••••••••••••••••••••••••••••••••••			GND 13	
					NC 12 31 A6	
					GND 11 - 30 A7	
					B0 10 - 29 C0	
					B1 9 28 C1	
					B2 8 27 C2	
		Test			B3 7 25 C4	
					B4 6 24 C5	
					B5 5 • 23 C6	
	MOVE ALL CO omatically test				B6 4 22 C7	
					B7 3 • 21 GND	
Pre	ss Test and w	ait for the sta	atus lights.		IR ENABLE 2 20 +5V	
			OK	Cancel		

Figure 117. InstaCal Internal DIO test menu.

- If you have already connected a GPI trigger device, such as Chyron's KwikKeys, do as the test menu advises, and **disconnect** the trigger device's cable from the PCI-DIO24 board.
- Click the **Test** button to verify that the board's internal registers are working properly.

	Reg Type	Location	Fail	Pass
1	Output	de94h	0	۲
2	Output	de95h	0	۲
3	Output	de96h	0	۵
	ting internal r	Test	_]	

Figure 118. Successful test of PCI-DIO24's internal connections.

- Board Test: PCI-DIO24 at de94h X Internal DIO External DIO J1 GND 19 37 A0 * From То Fail Pass +5V 18 36 A1 GND 17 1 Β0 Test A0 $^{\circ}$ 35 A2 +12V 16 2 В1 Test 0 A1 0 34 A3 GND 15 3 Test A2 В2 0 33 A4 -12V 14 🗖 4 32 A5 A3 В3 Test 0 GND 13 31 A6 5 A4 В4 Test 0 NC 12 30 A7 6 Α5 B5 Test GND 11 0 29 CO 7 BO 10 A6 B6 Test 0 28 C1 B1 9 8 A7 B7 Test 27 C2 • B2 8 26 C3 B3 7 Chip Select: Chip 1 $\overline{\mathbf{v}}$ 25 C4 B4 6 24 C5 B5 5 🗖 23 C6 This test will verify input/output operation of each bit. B6 4 22 C7 B7 3 🗖 1. Complete the connections shown to the right. 21 GND IR ENABLE 2 2. Press Test and wait for a status light. 20 +5V **IR INPUT 1** ΟK Cancel
- To test the connections on the board itself, choose the External DIO tab.

Figure 119. InstaCal External DIO test menu.

• If you have need to configure the connector from a new trigger device, or to repair an existing one, refer to the pinout for the PCI-DIO24 board in Figure 120.

GPI Pinouts

Seen here is a pinout diagram of the board's connector. As seen below, pins 11, 13, 15, 17, 19 and 21 serve as Ground. GPIs are triggered by shorting the appropriate pin(s) to Ground, using a momentary switch.

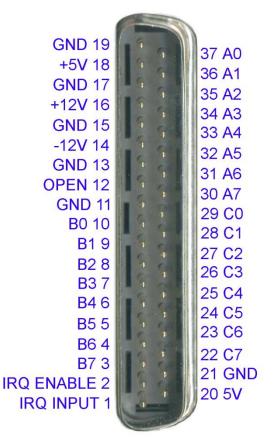


Figure 120. PCI-DIO24 GPI board connector pinout.

Appendix 4. Part Numbers; Included and Optional Hardware

CueBoard

The iSQ CueBoard is a custom keyboard used to control playback via the Playlist Viewer. Each CueBoard can control up to four channels. CueBoards are available in Channels 1-4 and 5-8 configurations.

Included with iSQ Client Software License

Channels 1 – 4	PS/2 connection	Chyron Part Number 5A01476
<u>OR</u>		
Channels 1 – 4	USB connection	Chyron Part Number 5A21476
Additional Channel 1-	4 CueBoard units may be	e ordered using the part numbers above, at the cost of \$1,000.00

Optional CueBoard Panels

Channels 5 – 8	PS/2 connection	Chyron Part Number 5A11476	\$1,000.00
Channels 5 – 8	USB connection	Chyron Part Number 5A31476	\$1,000.00

These CueBoard units provide the same functionality as the included Channel 1 - 4 CueBoards, for additional output device channels. These may be ordered using the part numbers above, at the cost of \$1,000.00

Optional GPI Solutions

These PCI and USB GPI hardware options are installed in, or connected to, the PC running the iSQ Client (Viewer) enabling the iSQ Playlist Viewer to receive and respond to GPI triggers.

Internal PCI 24-Bit GPI/O board	Chyron Part Number 5A01531	\$400.00
Internal PCIe 24-bit GPI/O board	Chyron Part Number 5A01516	\$400.00
USB GPI Module	Chyron Part Number 51G0718	\$400.00

Appendix 5. Minimum Specifications for PCs Running iSQ Viewer

- Windows[®] XP with Service Pack 2 operating system •
- Intel[®] Core[™] 2 Duo processor
- 100GB drive space •
- 2GB RAM •
- **Gigabit Ethernet Network**
- For multi-channel iSQ (configurations with more than 2 playout channels), the PC's video card should . support dual monitors and a 16 x 9 wide-screen display.
- Standard computer keyboard. Please note that if the computer is not "local" to the operator workstation, ٠ then PS/2 keyboards are suggested due to the limitations of USB over distances greater than 5 meters.

Appendix 6. iSQ Keyboard Shortcuts

The following table represents a set of functions that are channel specific. Cross-reference the action you want with the channel you are using in order to find the appropriate shortcut key combination.

					(HANNEL				
		1	2	3	4	5	6	7	8	9
	Take	F1	F5	F9	SHIFT- F1	SHIFT- F5	SHIFT- F9	CTRL- F1	CTRL- F5	CTRL- F9
	Move Down	F2	F6	F10	SHIFT- F2	SHIFT- F6	SHIFT- F10	CTRL- F2	CTRL- F6	CTRL- F10
	Move Up	F3	F7	F11	SHIFT- F3	SHIFT- F7	SHIFT- F11	CTRL- F3	CTRL- F7	CTRL- F11
	Stop	F4	F8	F12	SHIFT- F4	SHIFT- F8	SHIFT- F12	CTRL- F4	CTRL- F8	CTRL- F12
	Take Selected	ALT-1	ALT-2	ALT-3	ALT-4	ALT-5	ALT-6	ALT-7	ALT-8	ALT-9
7	Release Pause	CTRL-1	CTRL- 2	CTRL- 3	CTRL-4	CTRL-5	CTRL-6	CTRL- 7	CTRL- 8	CTRL- 9
ACTION	Cycle First Quicklist	CTRL-F2	CTRL- F6	CTRL- F10	CTRL- SHIFT- F2	CTRL- SHIFT- F6	CTRL- SHIFT- F10	CTRL- Y	CTRL- U	CTRL-I
	Cycle Second Quicklist	CTRL-F3	CTRL- F7	CTRL- F11	CTRL- SHIFT- F3	CTRL- SHIFT- F7	CTRL- SHIFT- F11	CTRL- H	CTRL-J	CTRL- K
	Story Up	CTRL- SHIFT-Q	CTRL- SHIFT- E	CTRL- SHIFT- T	CTRL- SHIFT- A	CTRL- SHIFT- D	CTRL- SHIFT- G	CTRL- SHIFT- Z	CTRL- SHIFT- C	CTRL- SHIFT- B
	Story Down	CTRL- SHIFT-W	CTRL- SHIFT- R	CTRL- SHIFT- Y	CTRL- SHIFT- S	CTRL- SHIFT- F	CTRL- SHIFT-H	CTRL- SHIFT- X	CTRL- SHIFT- V	CTRL- SHIFT- N
	Open Lyric Playout Panel	ALT- SHIFT 1	ALT- SHIFT- 2	ALT- SHIFT- 3	ALT- SHIFT- 4	ALT- SHIFT- 5	ALT- SHIFT-6	ALT- SHIFT- 7	ALT- SHIFT- 8	ALT- SHIFT- 9

The following shortcut key combinations are not channel specific and can be used from any channel that has focus. Many of these shortcuts have a multi-channel effect.

Go To Home Row	ALT- BACK- SPACE
Go To Preview Row	CTRL- SHIFT-1
Go To Alignment Row	CTRL- SHIFT-2
Macro Quickslot #1	CTRL-ALT-SHIFT-1
Macro Quickslot #2	CTRL-ALT-SHIFT-2
Macro Quickslot #3	CTRL-ALT-SHIFT-3
Macro Quickslot #4	CTRL-ALT-SHIFT-4
Macro Quickslot #5	CTRL-ALT-SHIFT-5
Macro Quickslot #6	CTRL-ALT-SHIFT-6
Macro Quickslot #7	CTRL-ALT-SHIFT-7
Macro Quickslot #8	CTRL-ALT-SHIFT-8
Macro Quickslot #9	CTRL-ALT-SHIFT-9
Macro Quickslot #10	CTRL-ALT-SHIFT-0



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