iSQ Version 2.3
Release Notes

June 14, 2011

General:

iSQ Version 2.3 incorporates improvements in functionality and bug fixes over the 2.2 release. This document reviews the most important changes.

As before, iSQ consists of two components, the **iSQ Viewer** and the **iSQ Service**. The iSQ Service runs on each playback machine and interfaces with Lyric or XClyps software to monitor operation and control playback. The iSQ Viewer runs on a separate user-supplied PC, which can remotely control as many as four remote playback machines, with two channels each, for a total of eight channels.

ISQ Version 2.3 consists of ISQ Service and Viewer builds 2.3.54.11 (the previous 2.2 release consisted of ISQ Service and Viewer builds 2.2.43.10).

IMPORTANT NOTE:

iSQ Version 2.3 requires CAMIO 3.2 RU3 or higher as well as Lyric 6.5 RU3 or higher and XClyps 2.6.0.10 or higher. This release of iSQ **is not to be used with other versions of the software products listed above**, due to dependencies on features not present in older releases. **Configurations other than those specified may behave unpredictably.**

iSQ 2.3 New Features

- **ISQ Viewer now supports Windows7 64-bit platforms**
- **ISQ Viewer now supports the use of a proxy server** between the Viewer and CAMIO Server.
- **Numeric Server Names** can now be used; a name such as "1ubox" would cause exceptions when attempting to connect.
- **Alphanumeric Message IDs** can now be used in the Lyric Playout Panel
- **Improved viewer logging** configuration control and added more logging options into it
- **Prevent loading Lyric message while 'Effect In' transition is animating,** this prevents potential problems with playback of the on-air message.
- **Playlist Viewer Deficient Asset Alert Sound added**
- **Keyboard shortcut and a button to enable/disable GPI**
- **Viewer Display Settings**
  - Added option to allow swap of Program and Preview Thumbnails on iSQ Viewer
  - Ability to scale the Air/Preview thumbnail height and save the size.
  - ISQ Viewer now able to maximizing its view across both monitors of a duel head display.
  - ISQ Viewer display column added for created/last modified date of the MOS Object
  - ISQ Viewer display column added for LUCI username of the user that created the object.
- **Improvements to Installer**
  - Add EULA menu item to iSQ Viewer and Service and to the installers.

- Prevent second instance of iSQ Viewer from running
- Made installer install for 'Everyone'
- Change banner of viewer and service installers
- Two-Stage Take option was being unchecked by the installation process

iSQ 2.3 Bug Fixes

- **Language Support**
  - Rundown Names in Greek didn't display the right characters
  - iSQ Viewer displayed German char "ß" as "ss"
- **Quick Edit**
  - Look at Quick Edit drag and drop bugs User should be allowed to edit the items' order around by either click and dragging an item or cut and paste when it the Viewer goes 'OFFLINE'.
  - Not able to move items to an empty playlist when doing offline edits
  - Items cannot be place in the first row of the playlist in offline editing
- **Viewer Crashes**
  - Fixed Viewer crash due to Health Status Viewer
  - Fixed Viewer crash due to simultaneous running order update and TAKE operation
- **Service Crashes**
  - Improve resource utilization in iSQ Service when many running orders are active
  - iSQ Service occasionally hung on shutdown if running order updates were received during that time
  - iSQ does not display active rundowns on startup due to a BMML change in CAMIO
- **Cueboard 1 Configuration** would occasionally be corrupted when clicking back and forth between Cueboard 1 and Cueboard 2..
- **Thumbnails for MOS Objects numbered under 10000** could not be retrieved from the CAMIO IIS Server due to a URL path formatting problem.

SQ 2.2 Viewer New Features

- **Cueback Logic**
Cueback Logic manages the iSQ Viewer to "Cue Back" to the item in Preview, if that item has been updated in the Newsroom. This will always attempt to keep the currently selected item updated and in preview until it is taken to the output of the playout device.

- **Thumbnail views in the Playlist**
Thumbnails may now be configured in the iSQ Viewer for all items in iSQ's running orders grid. Thumbnail size as well as frequency of thumbnail update may be adjusted. Refer to the **Configure iSQ Service Viewer menu settings** section of the iSQ Configuration and Operation Manual, Publication Number 2A02265, which is included in the documentation folder of this disc. If you have difficulty accessing the document, contact Chyron Customer Service at 631-845-2132.

- **Thumbnails for iSQ Now Acquired from CAMIO as an IIS Process**
With proper IIS configuration on both CAMIO and iSQ, thumbnails are now served as a web-based process, making for much faster performance than in prior versions. This requires modification to the IIS Services on CAMIO and configuration of the Settings of the iSQ Viewer. See Chyron document: **2A02326_Rev_A_Manual_Configuration_of_CAMIO_IIS_Process_for_iSQ_Thumbnails.pdf**, which is included in the documentation folder of this disc. If you have difficulty accessing the document, contact Chyron Customer Service at 631-845-2132.

  Improved Support for XClyps
XClyps version 2.6.0.9 or higher now is supported in CAMIO and iSQ. iSQ 2.2.35.13 provides a new configuration that allows XClyps groups to cue to first frame on output and wait for a PAUSE RELEASE keystroke to play the event. This is configured in the XClyps Output Plugin section of iSQ.

iSQ 2.1 New Features

- **HIDE or FLOAT the Playlist for an individual channel that has been opened.** With Playlists open, it is possible to "Hide" or "Float" an individual channel playlist by right-clicking on the Playlist title bar. 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.

- **Home Key on iSQ Cueboard moves all playlist cursors to top item for all channels.** Pressing the HOME key on the iSQ Cueboard (PC keyboard: "ALT"+"BACKSPACE") will relocate the cursor for all channels to the top item in each playlist and cue each item in Preview. In order to use this option, the Cueboard key for the HOME icon will need to be re-programmed. It is currently programmed as the ENTER key. This requires the key on an existing Cueboard to be reprogrammed with the proper keystroke. For assistance, please contact Chyron Customer Service: (888) 4 Chyron.

- **Assign keyboard shortcut to Lyric playout panel (inline plugins).** This allows the iSQ Viewer to open the Lyric Playout Panel via shortcut key, providing the ability to execute manual recall of templates from the current working directory while still working from the iSQ Viewer keyboard.

- **New Icons in the iSQ Playlist Viewer.** Icons for Thumbnail View, Playlist looping, Playlist direction, Automation, Reload playlist and QuickEdit have been redesigned. A toolbar icon for Remote Macro has been added.

- **Remote execution-specific Macros on the playout device from the iSQ Viewer.** The iSQ Service (on the playout device) now has a section for Macros. Configuration of this plug-in, followed by the configuration of Macros on the playback device allows for remote execution of Macros.

  The available macros are configured into 10 slots for remote execution. Therefore, the macros will be available on the iSQ Viewer as keystrokes CTRL+ALT+SHIFT+1, through CTRL+ALT+SHIFT+0 on the keyboard. These keystrokes can also be mapped to available keys on the iSQ Cueboard. This requires reprogramming the iSQ Cueboard.

iSQ 2.2 Bug Fixes

- **Rundowns in ENPS that are no longer MOS READY TO AIR still display in Rundown View but using ENPS\iRB GUID's rather than the proper Running Order Name**
  The ISQ displays old un-MOS'ed rundowns using an ENPS generated GUID. This was a result of a disconnection of the Running Order that was still monitored by iSQ. The iSQ will now display the proper Running Order name, rather than the GUID that it is referencing.

- **Running order GUID should be used as unique identifier instead of Rundown name (slug)**
  In the ISQ Service Viewer, currently it wasn't possible to distinguish between two different rundowns with the same name. This has been resolved in the current release.

  Now, allow a time stamp (time when the rundown was received from CAMIO) will be displayed for duplicate rundowns to easily differentiate rundowns with identical title. The viewer should only display the time stamp for rundowns with the same name.

- **Uncued graphics due to running order updates and cue-back on inactive playlists**
  Some customers recently ran into an issue where a running order update for a show running order that was no longer being used by the ISQ operator interfered with a show that was being used. The 'cue back' functionality caused the currently cued graphic to become "un-cued", while it re-cued a revised graphic from the previous shows running order even though there was something already cued for the active running order.

  The appearance of iSQ uncueing graphics in the playlist is the first result; the second result would be when the operator issues a TAKE command on the iSQ for the desired graphic a different graphic appearing on output. The different graphic was iSQ cueing a graphic from on old playlist that was left in the Preview or Output state in the Running Order, and trying to update the graphic to keep the output current. This has been resolved in the current release.

  The ISQ server should treat running orders that are currently being used by the ISQ Viewer differently from those that aren't being used. The workflow concept of **Active Running Order** has been introduced. iSQ will now only monitor the items in the **Active Running Order**.

  To mark a running order as "Active" a TAKE command should be issued. This is required for EACH channel of playout displayed in the Running Order. Pressing the HOME key on the iSQ Cueboard (PC equivalent = "ALT" +"BACKSPACE") issues a TAKE command to the top graphic in the list for each channel in the open running order.

- **Newest cue back logic causes playlist to jump ahead**
  Some customers had run into an issue related to cue-back that may cause ISQ to cue an item ahead of the

original preview item. We should enumerate as many cases of cue back as possible to ensure that it works properly under all running order update conditions. This has been resolved in the current release.

- **Functionality of the Cueback Logic would cause an update to previous running orders to update to screen**
When more than one iSQ Running Order has been opened and executed, Cueback Logic attempted to monitor and update items in Preview, regardless of which running order window had "focus" in the interface. This would cause items from another running order to present on screen, if the item was the last thing in preview on the running order before the user closed that running order and opened another running order. In some situations, it was possible that the "updated graphic" from the closed rundown could be sent to air rather than the desired item from the current running order. It could also cause items to become un-cued in the current running order. This has been resolved.

  The new workflow is whatever running order (per channel) last had a TAKE command issued will now be the selected as the "Active Running Order".

  Workflow suggestion: When changing from one Running Order to another within iSQ execute a TAKE in all channels in the running order. The most efficient way to do this is to press the "HOME" key on the iSQ Cueboard (PC equivalent: ALT+BACKSPACE

- **iSQ Service on XClyps caused memory leak**
There were reports of a memory leak in the iSQ Service on XClyps devices. *This problem has been resolved.*

- **iSQ Service on XClyps required a "patch" during install**
Based on the version of XClyps software, some customers needed to have a patch to the iSQ Service for the iSQ Service installed properly. *This problem has been resolved.*

- **Blank Running Orders in iSQ for 10 seconds**
Under certain conditions, a "Blank" running order may be published to iSQ and remain on the iSQ Viewer PC monitor for as long as 10 seconds. There is now a setting in the iSQ CAMIO Ingest Plugin to delay "Blank running orders" for a user-specified duration. The default value is set to 30 seconds.

- **XClyps Items becoming "Uncued"**
In previous versions of iSQ, XClyps items in Preview became uncued following a running order update from the NRCS. *This problem has been resolved.*

iSQ 2.1 Bug Fixes

- **Cursor Jumps to the top of the Playlist if a running order is published**
In previous versions of iSQ, if the iSQ user had a graphic ON-AIR and the next item was removed from the running order due to an update of the Newsroom Computer System rundown, the cursor would jump to the top of the playlist. iSQ Cursor Logic has now been redesigned to place the cursor on the proper item in the Running Order, based on the setting of the iSQ Viewer Configuration for PLAYLIST>SELECTION STYLE. The suggested choice is SELECTED ITEM.

- **Item in PAUSE RELEASE state, moved in Running Order will "Hang" iSQ and Lyric**
If an item is cued (in a PAUSE RELEASE state) and then removed from the running order, the iSQ Viewer will be "locked up" for at least that channel. *This problem has been resolved.*

- **Message in PAUSE RELEASE is being released when STOP is issued for other messages**
  When there is an item in the Running Order that is in a CUED (PAUSE RELEASE) state, sometimes the STOP on other items will trigger the PAUSE to release improperly. *This problem has been resolved.*

- **Speed of the TAKE TO AIR and RELEASE PAUSE action is too long of a delay**
  Customers have reported the latency of the execution of TAKE or PAUSE RELEASE has been reported as up to 2 seconds or longer. *This problem has been resolved.*

- **Attempting to execute commands in an empty Running Order will cause the iSQ Viewer to exit with an error message:** With iSQ 2.1.23.0, the user may attempt to execute a TAKE command or use the mouse to click into an empty Running Order the iSQ Viewer application . This will cause an Execution error and prompt with an Error message before the application will close and must be restarted by the user. *This has been resolved in 2.1.27.1.*

- **CPU Utilization on Playout Device is Subject to Spikes When iSQ Viewer Polls Playout Device:** With iSQ 2.1, the user may adjust the frequency with which the iSQ Viewer polls the iSQ Service on the playout device for the purpose of reducing CPU utilization on the playout device. The default value is 100ms. The setting is found via the Service Viewer's Configuration ( ) button, which opens the Configure iSQ Service Viewer dialog. In the General Settings area of the dialog, the **Playlist Poll Duration** may be adjusted; the default value is 100ms.

  Stale Thumbnail on iSQ Viewer and Loss of Ability to Retrieve Thumbnails from CAMIO: A warning icon ( ) will over a thumbnail indicates that there may be a revision to the message or the Playlist which is not reflected in the thumbnail. This status determination is based on the timestamp. Note that Thumbnail retrieval is a lower priority task than other processes in iSQ. Please see Chyron document: **2A02326_Rev_A_Manual_Configuration_of_CAMIO_IIS_Process_for_iSQ_Thumbnails.pdf**. This document appears in the documentation folder of the installation disc. If you have difficulty accessing the document, contact Chyron Customer Service at 631-845-2132.

- **Channels in Playlist Appear in Descending Order After Altering Playlist in Offline Mode:** Previously, if the iSQ Viewer user altered channel assignments of items in the playlist in "Offline" mode, then closed the playlist and subsequently reopened it, the channels failed to display properly (CH2 then CH1, as opposed to CH1, CH2). *This has been resolved.*

  - **"Service Provider Not Registered" and "Object Reference Not Set to an Instance of an Object" warnings:** These errors were displayed if the iSQ Viewer user selected a rundown and then clicked on the View icon repeatedly, trying to open the rundown if it did not open quickly enough. These errors occurred if the iSQ Viewer was launched by a user account with permissions lesser than Administrator. *Incorrect display of these error messages has been resolved.*

- **Error Message Dialog Box Enhancement:** Clicking on the **View Selected** button without selecting a rundown\playlist produced an error message reading "Error Occurred: Please selected item from the list". This error dialog has been changed to: "Please select at least one playlist to view, or one of the selected playlists is invalid".

- **Memory Leak in Playlist Viewer After Opening and Closing Repeatedly:** Quickly opening and closing a playlist caused progressive memory leaks in previous versions of iSQ. *This has been corrected in the 2.1 release.*

- **Incorrect Icon for Service Viewer Configuration on the "Add Remove Buttons > Playlist" Pull Down:** The icon for Configuration has been updated in the menu.