

Christie Digital, CineLife+ Series 4 Cinema Projector

Plugin Description

The Christie Digital CineLife+ Series 4 Q-SYS Plugin provides seamless integration and control of Christie Digital CineLife+ Series 4 cinema projectors within the Q-SYS ecosystem. This plugin enables cinema integrators and professionals to monitor and control the projector directly from the Q-SYS ecosystem.

By leveraging this plugin, Q-SYS users gain centralized control over power management, lamp settings, lens positioning, channel selection, and comprehensive status monitoring. The plugin streamlines workflow efficiency by providing real-time device feedback and essential configuration controls within the familiar Q-SYS environment.

Key features

- **Comprehensive Device Information Display** - Automatic retrieval and display of device parameters including Device Model, Serial Number, Firmware Version, Build Number, and MAC Address for quick system identification and troubleshooting.
- **Power Control** - Complete power management with toggle button, discrete on/off triggers, and power state monitoring including standby, warming up, cooling down, and powered states.
- **Lamp Control** - Full lamp management including on/off control, brightness adjustment (0-100%), lamp hour tracking, and cooldown timer display.
- **Douser Control** - Remote douser operation with open/close functionality and status indication.
- **Channel Management** - View and select from available projector channels with support for up to 64 configurable channels.
- **Test Pattern Management** - Access to internal test patterns with full-screen mode and pattern retention options.
- **Lens Control** - Manual lens positioning controls for vertical/horizontal offset, zoom, and focus adjustments with position feedback.
- **Media Playback** - Basic media transport controls including play, pause, resume, stop, and unload.
- **Automation Support** - Script and macro execution capabilities for automated workflows.
- **Advanced Status Monitoring** - Detailed system status reporting including alarms, cooling, interlock, lamp, lens, network, security, system, temperature, and version information (Advanced mode).

Configuration Overview

Plugin version

This document is written for the plugin :

- Christie Digital CineLife+ Series 4 V1.0.0.0

Release note

2026-06 : V1.0.0.0

- Initial release to Q-SYS Library

QDS compatibility

This plugin has been developed and tested on :

- Q-SYS Designer version 9.13.1 / 10.0.x / 10.1.x / 10.2.0 and 10.2.1

Properties

Channel Count

Type: Integer

Min: 8

Max: 64

Default Value: 8

Description: Defines the number of channel selection buttons available in the Channels page.

STATUS LEVEL

Type: Enum

Choices: Simple, Advanced

Default Value: Simple

Description: Determines the level of status information displayed:

- **Simple:** Shows only alarm status for basic monitoring.
- **Advanced:** Displays comprehensive status information including Alarm, Cooling, Interlock, Lamp, Lens, Network, Security, System, Temperature, Version, and Video status.

DEBUG PRINT

Type: Enum

Choices: None, Tx/Rx, Tx, Rx, Function Calls, All, Debug

Default: None

Description: Controls debug output for troubleshooting purposes

SHOW DEBUG

Type: Boolean

Default Value: No

Description: When Show Debug is enabled, the "Debug Print" property becomes available. Setting this property to "Debug" displays the debug screen with verbose messages, enabling detailed troubleshooting.

Controls

Status

Status

Controls name: Status

Type: Indicator-Status

Description: Indicates the current connection and operational status of the plugin. Shows OK when connected normally, or displays fault/compromised messages when issues occur.

OK - Connected : The plugin is operating normally and connected to the projector.

Fault - [Message] : A problem has occurred, refer to message details (e.g., Wrong Credentials, Permission Level too low, Not a Series 4 cinema projector).

Compromised - [Message] : A problem has occurred, refer to message details (e.g., Wrong Credentials, Permission Level too low, Not a Series 4 cinema projector).

Control Page

POWER SECTION

Power

Controls name: Power

Type: Button-Toggle

Description: Toggle button used to turn the projector power on or off.

Power On

Controls name: PowerOn

Type: Button-StateTrigger

Min: 0

Max: 1

Description: Discrete trigger button for turning the projector power on. This button lights up when the projector is powered on.

Power Off

Controls name: PowerOff

Type: Button-StateTrigger

Min: 0

Max: 1

Description: Discrete trigger button for turning the projector power off. This button lights up when the projector is powered off or in standby.

Power State

Controls name: PowerState

Type: Indicator-Led

Description: LED indicator showing the current power state (lit when powered on).

Power Status

Controls name: PowerStatus

Type: Indicator-Text

Description: Shows the detailed power status: Powered (Light Source Off), Powered (Light Source On), Standby, Cooling Down, or Warming Up.

LAMP SECTION

Lamp Power

Controls name: LampPower

Type: Button-Toggle

Description: Toggle button used to turn the lamp (light source) on or off while the projector is powered.

Lamp On

Controls name: LampOn

Type: Button-StateTrigger

Min: 0

Max: 1

Description: Discrete trigger button for turning the lamp on. This button lights up when the lamp is on.

Lamp Off

Controls name: LampOff

Type: Button-StateTrigger

Min: 0

Max: 1

Description: Discrete trigger button for turning the lamp off. This button lights up when the lamp is off.

Lamp State

Controls name: LampState

Type: Indicator-Led

Description: LED indicator showing the current lamp state (lit when lamp is on).

Lamp Brightness

Controls name: LampBrightness

Type: Knob-Fader

Min: 0%

Max: 100%

Description: Adjusts the lamp brightness level as a percentage.

Lamp Brightness Level

Controls name: LampBrightnessLevel

Type: Indicator-Text

Description: Displays the current brightness level as a percentage value.

Lamp Hour

Controls name: LampHour

Type: Indicator-Text

Description: Displays the accumulated lamp usage hours.

Lamp Cooldown

Controls name: LampCoolDown

Type: Indicator-Text

Description: Displays the remaining cooldown time in MM:SS format when the lamp is cooling down.

DOUSER SECTION

Douser

Controls name: Douser

Type: Button-Toggle

Description: Toggle button used to open or close the projector douser (shutter).

Douser Open

Controls name: DouserOpen

Type: Button-StateTrigger

Min: 0

Max: 1

Description: Discrete trigger button for opening the douser. This button lights up when the douser is open.

Douser Close

Controls name: DouserClose

Type: Button-StateTrigger

Min: 0

Max: 1

Description: Discrete trigger button for closing the douser. This button lights up when the douser is closed.

Douser State

Controls name: DouserState

Type: Indicator-Led

Description: LED indicator showing the douser state (lit when closed).

Douser Status

Controls name: DouserStatus

Type: Indicator-Text

Description: Shows the douser status as Open or Closed .

TEST PATTERN SECTION

Pattern Active

Controls name: PatternActive

Type: Indicator-Text

Description: Shows the name of the currently active test pattern.

Pattern Select

Controls name: PatternSelect

Type: Text-ComboBox

Description: Dropdown list of available internal test patterns. When a pattern is selected, it is displayed on the projector.

Pattern Clear

Controls name: PatternClear

Type: Button-Trigger

Description: Clears the currently active test pattern.

Pattern Full Screen

Controls name: PatternFullScreen

Type: Button-Toggle

Description: Enables or disables full-screen mode for test patterns.

Pattern Keep

Controls name: PatternKeep

Type: Button-Toggle

Description: When enabled, the test pattern persists when changing channels.

LENS SECTION

Lens V Pos

Controls name: LensVPos

Type: Indicator-Text

Description: Shows the current vertical lens offset position.

Lens H Pos

Controls name: LensHPos

Type: Indicator-Text

Description: Shows the current horizontal lens offset position.

Lens Zoom Pos

Controls name: LensZoomPos

Type: Indicator-Text

Description: Shows the current zoom position.

Lens Focus Pos

Controls name: LensFocusPos

Type: Indicator-Text

Description: Shows the current focus position.

Lens Up

Controls name: LensUp

Type: Button-Momentary

Description: Momentary button for moving the lens up.

Lens Down

Controls name: LensDown

Type: Button-Momentary

Description: Momentary button for moving the lens down.

Lens Left

Controls name: LensLeft

Type: Button-Momentary

Description: Momentary button for moving the lens left.

Lens Right

Controls name: LensRight

Type: Button-Momentary

Description: Momentary button for moving the lens right.

Lens Focus In

Controls name: LensFocusIn

Type: Button-Momentary

Description: Momentary button for adjusting the lens focus inward.

Lens Focus Out

Controls name: LensFocusOut

Type: Button-Momentary

Description: Momentary button for adjusting the lens focus outward.

Lens Zoom In

Controls name: LensZoomIn

Type: Button-Momentary

Description: Momentary button for zooming the lens in.

Lens Zoom Out

Controls name: LensZoomOut

Type: Button-Momentary

Description: Momentary button for zooming the lens out.

MEDIA SECTION

Media Play

Controls name: MediaPlay

Type: Button-Trigger

Description: Starts playback of loaded content.

Media Pause

Controls name: MediaPause

Type: Button-Trigger

Description: Pauses the current playback.

Media Resume

Controls name: MediaResume

Type: Button-Trigger

Description: Resumes paused playback.

Media Stop

Controls name: MediaStop

Type: Button-Trigger

Description: Stops the current playback.

Media Unload

Controls name: MediaUnload

Type: Button-Trigger

Description: Unloads the currently loaded content.

Media Duration

Controls name: MediaDuration

Type: Indicator-Text

Description: Shows the duration of the loaded content in HH:MM:SS format.

AUTOMATION SECTION

Automation Script

Controls name: AutomationScript

Type: Text-Text Edit

Description: Text field for entering automation script commands.

Automation Macro

Controls name: AutomationMacro

Type: Text-Text Edit

Description: Optional text field for entering a macro name. When specified, executes the specified macro from the specified script.

Automation Execute

Controls name: AutomationExecute

Type: Button-Trigger

Description: Executes the specified automation script or macro.

Channels Page

Channel Active

Controls name: ChannelActive

Type: Indicator-Text

Description: Shows the name of the currently active channel.

Channel Select

Controls name: ChannelSelect

Type: Text-ComboBox

Description: Dropdown list of available channels on the projector. When a new channel is selected, the projector switches to that channel.

Channel 1-N Name

Controls name: Channel{N}Name

Type: Indicator-Text

Description: Displays the name of each channel slot (up to Channel Count property value).

Channel 1-N State

Controls name: Channel{N}State

Type: Button-StateTrigger

Min: 0

Max: 1

Description: Trigger buttons to select each channel directly. These buttons light up when the corresponding channel is currently active.

Status Page

DEVICE INFORMATION

MAC Address

Controls name: MACAddress

Type: Indicator-Text

Description: Shows the management MAC address of the connected projector.

Device Model

Controls name: DeviceModel

Type: Indicator-Text

Description: Shows the model number of the connected projector.

Serial Number

Controls name: SerialNumber

Type: Indicator-Text

Description: Shows the serial number of the connected projector.

Device Firmware

Controls name: DeviceFirmware

Type: Indicator-Text

Description: Shows the firmware version installed on the connected projector.

Build Number

Controls name: BuildNumber

Type: Indicator-Text

Description: Shows the build number of the firmware installed on the connected projector.

STATUS INDICATORS

Status Alarm

Controls name: StatusAlarm

Type: Indicator-Text

Description: Shows current alarm messages. Available in both Simple and Advanced modes.

Status Alarm Led

Controls name: StatusAlarmLed

Type: Indicator-Led

Description: LED indicator for alarm fault conditions. Lit when an alarm is active. Available in both Simple and Advanced modes.

Status Cooling

Controls name: StatusCooling

Type: Indicator-Text

Description: Shows cooling system status (Advanced mode only).

Status Cooling Led

Controls name: StatusCoolingLed

Type: Indicator-Led

Description: LED indicator for cooling system faults (Advanced mode only).

Status Interlock

Controls name: StatusInterlock

Type: Indicator-Text

Description: Shows interlock status (Advanced mode only).

Status Interlock Led

Controls name: StatusInterlockLed

Type: Indicator-Led

Description: LED indicator for interlock faults (Advanced mode only).

Status Lamp

Controls name: StatusLamp

Type: Indicator-Text

Description: Shows lamp status details (Advanced mode only).

Status Lamp Led

Controls name: StatusLampLed

Type: Indicator-Led

Description: LED indicator for lamp faults (Advanced mode only).

Status Lens

Controls name: StatusLens

Type: Indicator-Text

Description: Shows lens status details (Advanced mode only).

Status Lens Led

Controls name: StatusLensLed

Type: Indicator-Led

Description: LED indicator for lens faults (Advanced mode only).

Status Network

Controls name: StatusNetwork

Type: Indicator-Text

Description: Shows network status details (Advanced mode only).

Status Network Led

Controls name: StatusNetworkLed

Type: Indicator-Led

Description: LED indicator for network faults (Advanced mode only).

Status Security

Controls name: StatusSecurity

Type: Indicator-Text

Description: Shows security status details (Advanced mode only).

Status Security Led

Controls name: StatusSecurityLed

Type: Indicator-Led

Description: LED indicator for security faults (Advanced mode only).

Status System

Controls name: StatusSystem

Type: Indicator-Text

Description: Shows system status details (Advanced mode only).

Status System Led

Controls name: StatusSystemLed

Type: Indicator-Led

Description: LED indicator for system faults (Advanced mode only).

Status Temperature

Controls name: StatusTemperature

Type: Indicator-Text

Description: Shows temperature status details (Advanced mode only).

Status Temperature Led

Controls name: StatusTemperatureLed

Type: Indicator-Led

Description: LED indicator for temperature faults (Advanced mode only).

Status Version

Controls name: StatusVersion

Type: Indicator-Text

Description: Shows version status details (Advanced mode only).

Status Version Led

Controls name: StatusVersionLed

Type: Indicator-Led

Description: LED indicator for version faults (Advanced mode only).

Status Video

Controls name: StatusVideo

Type: Indicator-Text

Description: Shows video status details (Advanced mode only).

Status Video Led

Controls name: StatusVideoLed

Type: Indicator-Led

Description: LED indicator for video faults (Advanced mode only).

Setup Page

IP Address

Controls name: IPAddress

Type: Text-Text Edit

Description: Text field used to specify the IP address of the projector that you want to remotely control and/or monitor.

Port

Controls name: Port

Type: Text-Text Edit (Default: 5000)

Description: The TCP port number used for communication with the projector. Default is 5000.

Username

Controls name: Username

Type: Text-Text Edit

Description: The username credential required for authentication with the projector.

Password

Controls name: Password

Type: Text-Text Edit

Description: The password credential required for authentication with the projector. Manager or higher access level is required.

Control Pins

PIN NAME	VALUE	STRING	POSITION	PINS AVAILABLE
Setup	-	-	-	-
IP Address	(String)	-	-	Input / Output
Port	(String)	-	-	Input / Output
Username	(String)	-	-	Input / Output
Password	(String)	-	-	Input / Output
Status	-	-	-	-
MAC Address	(String)	-	-	Output
Device Model	(String)	-	-	Output
Serial Number	(String)	-	-	Output
Device Firmware	(String)	-	-	Output
Build Number	(String)	-	-	Output
Status	-	-	-	Output
Power Controls	-	-	-	-

Power	0 1	false true	0 1	Input / Output
Power On	0 1	false true	0 1	Input / Output
Power Off	0 1	false true	0 1	Input / Output
Power State	0 1	false true	0 1	Output
Power Status	(String)	-	-	Output
Lamp Controls	-	-	-	-
Lamp Power	0 1	false true	0 1	Input / Output
Lamp On	0 1	false true	0 1	Input / Output
Lamp Off	0 1	false true	0 1	Input / Output
Lamp State	0 1	false true	0 1	Output
Lamp Brightness	0-100	(Percent)	0-1	Input / Output
Lamp Brightness Level	(String)	-	-	Output
Lamp Hour	(String)	-	-	Output
Lamp Cooldown	(String)	-	-	Output
Douser Controls	-	-	-	-
Douser	0 1	false true	0 1	Input / Output
Douser Open	0 1	false true	0 1	Input / Output
Douser Close	0 1	false true	0 1	Input / Output

Douser State	0 1	false true	0 1	Output
Douser Status	(String)	-	-	Output
Channels	-	-	-	-
Channel Select	(String)	-	-	Input / Output
Channel Active	(String)	-	-	Output
Channel N Name	(String)	-	-	Input / Output
Channel N State	0 1	false true	0 1	Input / Output
Test Pattern	-	-	-	-
Pattern Select	(String)	-	-	Input / Output
Pattern Active	(String)	-	-	Output
Pattern Clear	(Trigger)	-	-	Input / Output
Pattern Full Screen	0 1	false true	0 1	Input / Output
Pattern Keep	0 1	false true	0 1	Input / Output
Lens Controls	-	-	-	-
Lens V Pos	(String)	-	-	Output
Lens H Pos	(String)	-	-	Output
Lens Zoom Pos	(String)	-	-	Output
Lens Focus Pos	(String)	-	-	Output
Lens Up	(Momentary)	-	-	Input / Output
Lens Down	(Momentary)	-	-	Input / Output
Lens Left	(Momentary)	-	-	Input / Output
Lens Right	(Momentary)	-	-	Input / Output
Lens Focus In	(Momentary)	-	-	Input / Output

Lens Focus Out	(Momentary)	-	-	Input / Output
Lens Zoom In	(Momentary)	-	-	Input / Output
Lens Zoom Out	(Momentary)	-	-	Input / Output
Media Controls	-	-	-	-
Media Play	(Trigger)	-	-	Input / Output
Media Pause	(Trigger)	-	-	Input / Output
Media Resume	(Trigger)	-	-	Input / Output
Media Stop	(Trigger)	-	-	Input / Output
Media Unload	(Trigger)	-	-	Input / Output
Media Duration	(String)	-	-	Output
Automation	-	-	-	-
Automation Script	(String)	-	-	Input / Output
Automation Macro	(String)	-	-	Input / Output
Automation Execute	(Trigger)	-	-	Input / Output
Status Indicators	-	-	-	-
Status Alarm	(String)	-	-	Output
Status Alarm Led	0 1	false true	0 1	Output
Status Cooling	(String)	-	-	Output
Status Cooling Led	0 1	false true	0 1	Output
Status Interlock	(String)	-	-	Output
Status Interlock Led	0 1	false true	0 1	Output
Status Lamp	(String)	-	-	Output
Status Lamp Led	0 1	false true	0 1	Output

Status Lens	(String)	-	-	Output
Status Lens Led	0 1	false true	0 1	Output
Status Network	(String)	-	-	Output
Status Network Led	0 1	false true	0 1	Output
Status Security	(String)	-	-	Output
Status Security Led	0 1	false true	0 1	Output
Status System	(String)	-	-	Output
Status System Led	0 1	false true	0 1	Output
Status Temperature	(String)	-	-	Output
Status Temperature Led	0 1	false true	0 1	Output
Status Version	(String)	-	-	Output
Status Version Led	0 1	false true	0 1	Output
Status Video	(String)	-	-	Output
Status Video Led	0 1	false true	0 1	Output

Note: Status Alarm controls are available in both Simple and Advanced modes. All other status controls (Cooling, Interlock, Lamp, Lens, Network, Security, System, Temperature, Version, Video) are only available when Status Level property is set to "Advanced".