

INTEGRATION MANUAL

CHRISTIE CINELIFE+

CRESTRON 4-SERIES MODULE

This module controls playback on a Christie CineLife+ media server from a Crestron 4-Series processor. It connects over TCP using Christie's binary CEP protocol, logs in with a server user account, reads the list of shows (playlists), and gives transport control with show, time and progress feedback.

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01 AT A GLANCE

REQUIREMENTS

- Crestron 4-Series processor with a valid license for this module.
- Christie CineLife+ media server reachable from the processor on the network.
- TCP port 5001 open between the processor and the server.
- A user account (username and password) on the CineLife+ server for the control system to log in with.

CONNECTION

ITEM	DETAIL
Transport	TCP/IP
Protocol	Christie CEP (binary)
Port	5001 (fixed in the module)
Authentication	Username and password login, sent after the connection opens
Status	Playback status is taken from status updates the server sends

02 LICENSING

01

BUY A LICENSE

Enter the processor serial and a site name, then pay by card.

02

INSTALL THE LICENSE FILE

We email a license file locked to that processor. Load it and the module unlocks.

03

LOAD THE MODULE

Add it to your 4-Series program.

Each license is for one processor. To run the module on another processor, buy a license for that processor's serial.

03 CONFIGURATION

Add one entry for each Christie Cinelife+ to `SourceConfig.json`. Key names are case-sensitive.

KEY	TYPE	DEFAULT	DESCRIPTION
<code>driverName</code>	text	—	Must be River.Christie.CineLife.Ip.
<code>ipAddress</code>	text	—	IP address of the CineLife+ server. Required.
<code>username</code>	text	—	Server user account the module logs in with. Required.
<code>password</code>	text	—	Password for that user account. Required.

EXAMPLE ENTRY

Replace the values in angle brackets with your own.

```
[
  {
    "id": 1,
    "name": "<Christie Cinelife+ name>",
    "sortOrder": 1,
    "driverName": "River.Christie.CineLife.Ip",
    "ipAddress": "<device IP address>",
    "username": "<username>",
    "password": "<password>"
  }
]
```

04 SETUP

1. Connect the CineLife+ server and the Crestron processor to the same network, or make sure they can route to each other.

2. Confirm the processor can reach the server on TCP port 5001.
3. Create or choose a user account on the server for the control system.
4. Add the module to your program and enter the server IP address, username and password.
5. Load the program and check the log. The module reports its connection state and logs a message when login succeeds.
6. Confirm the show list fills with the server's playlists. This happens right after a successful login.
7. Set the scan rate (30 to 180 seconds) and turn auto start on or off to suit the venue.

05 CONTROLS

CONTROL	WHAT IT DOES
LOAD SHOW	Loads a show from the show list. Shows are numbered from 1 in the order the server returns them. The selected playlist is loaded with no secondary (3D eye or dual) mode.
PLAY	Sends the play command to the server.
PAUSE	Sends the server's pause/resume command.
STOP	Stops playback.
EJECT	Unloads the currently loaded show.
FORWARD SCAN	Jumps forward from the current position by the scan rate (in seconds).
REVERSE SCAN	Jumps back from the current position by the scan rate (in seconds).
SCAN RATE UP / DOWN	Raises or lowers the scan rate by the step you pass in. Accepted range is 30 to 180 seconds. Values outside the range are ignored.
SET SCAN RATE	Sets the scan rate directly. Accepted range is 30 to 180 seconds. The default is 30 seconds.
AUTO START ON / OFF / TOGGLE	When auto start is on, the module sends Play as soon as the server reports that a show is loaded. Auto start is off by default.

06 FEEDBACK

FEEDBACK	WHAT IT REPORTS
CONNECTED	True while the TCP connection to the server is up.
SHOW LIST	One entry per server playlist, with its name and total run length. Read once after a successful login.

FEEDBACK	WHAT IT REPORTS
ACTIVE SHOW	The show list entry matching the content the server reports as loaded is marked active.
SHOW PLAYING	Name of the loaded show. When nothing is loaded it reads "Please select a show from the list ...".
LOADING	True while the server is preparing a show (asset preparation, security, subtitle preparation). False when the show is loaded or nothing is loading.
TRANSPORT STATE	Playing, Paused, Stopped or Ejected, with the matching transport button shown as active.
ELAPSED TIME	Current position in hours, minutes and seconds.
TOTAL TIME	Duration of the loaded show in hours, minutes and seconds.
REMAINING TIME	Total time minus elapsed time, in hours, minutes and seconds.
PROGRESS PERCENT	Elapsed time as a percentage of total time. Reads 0 when either value is 0.
AUTO START	Current auto start state (on or off).
SCAN RATE	Current scan jump size in seconds.

07 HOW IT BEHAVES

- The module opens a TCP connection to the server on port 5001.
- Once connected, it tries to log in every second until the server accepts the login.
- After a successful login it requests all playlists from the server and builds the show list.
- The module does not poll for playback status. It updates feedback from the status messages the server sends: loaded show, load stage, loaded or ejected state, duration, time code and playback state.
- When the server reports that a show is loaded, transport state shows Stopped. When it reports content ejected, transport state shows Ejected.
- When the server reports no load stage, all shows are marked inactive and Show playing returns to its prompt text.
- When the reported duration is 0, elapsed, total and remaining time reset to zero and progress resets to 0.
- Scan commands jump to a new position calculated from the last time code reported by the server plus or minus the scan rate.

08 TROUBLESHOOTING

IF YOU SEE	TRY THIS
Connected stays false.	Check the IP address setting, network routing, and that TCP port 5001 on the server is reachable from the processor.
Connected is true but the show list stays empty.	The show list is read only after login succeeds. Check the username and password, and check the log for the login success message.
A new playlist added on the server does not appear in the show list.	The show list is read at login. Restart the program to log in again and reload the list.
Loading a show selects the wrong title.	Show numbers are positions in the show list, starting at 1, in the order the server returned the playlists. Use the show list feedback to map numbers to titles.
Scan rate does not change.	Only values from 30 to 180 seconds are accepted. A step that would go outside that range is ignored.
Show does not start automatically after loading.	Turn auto start on. The module sends Play only when the server reports the show as loaded while auto start is on.
Time and transport feedback do not update.	Feedback comes from status updates sent by the server. Confirm the module is connected and logged in (show list populated).

09 NOTES

- The port is fixed at 5001 in the module and is not a setting.
- Scan rate and auto start are runtime controls, not configuration settings. Scan rate starts at 30 seconds and auto start starts off.
- This module controls show playback only. Projector power, lamp and channel control are not included.

SUPPORT

Our team of experienced developers is here to ensure your success. Email hello@rivercontrols.com or call +1 855-606-6695, and include your processor serial and order number.