

Cinema.jar for Series 4 Release Notes

Version	Comments
7.1 23 Sep 2024	* implemented HTTP PUT action * fixed the send method in external devices. it was not processing backslash-escaped characters. need to be fixed in all external devices
7.0 13 May 2024	* cleaned up error handling between the cinema server client and preshow client + added mute toggle for QSC DCP300 ! fixed an issue where command raw ethernet devices were not closing connections after being used * use threadpool when processing runMacros() + added the ability to queue macros for execution. this is helpful when responding to button presses ! fixed the issue with the Barco series 4 always reporting failed + added ability to query Cinema for status information via the message pump
6.9 19 Dec 2023	* debugging thread worker issues ! fix for combining output actions. the fix in 6.7 did not account for more than 2 outputs.
6.8 22 Jun 2023	* reimplement watchdog enabled key
6.7 08 Jun 2023	! fix for combining output actions
6.6 11 May 2023	+ adding holdtime to logic to ensure that signals remain in the desired state before executing their configured action
6.5 04 May 2023	+ adding BarcoSeries4 as a send command: device to allow device commands to be sent using a raw ethernet device and the send command with the 'command:' prefix
6.4 28 Mar 2023	! fixed close pulse issue. this was an issue reading the macro file.
6.3 02 Mar 2023	! fixed an issue with logging to the errors log + added flush() to raw ethernet
6.2 07 Dec 2022	! attempted fix for QSC DCP300. Was sending ZEROS after each command and confusing the QSC when multiple commands were sent.

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6.1 30 Nov 2022	+ added external outputs as triggers beyond output 16
6.0 08 Aug 2022	+ add Doremi as a send command: device to allow device commands to be sent using a raw ethernet device and the send command with the 'command:' prefix
5.2 19 Jul 2022	* change to only start the iolog monitors if we have listeners configured
5.1 13 Jul 2022	Handle ROUT 17 - 24 as internal macro action
5.0 10 Feb 2022	+ added a device test event handler
4.12 27 Jan 2022	+ Added a UDP Client listener
4.11 12 Dec 2021	! Updating the http request to handle https responses better
4.10 27 Oct 2021	
4.9 11 Aug 2021	+ allow comma delimited list of macros for input triggers + a macro in a macro list can be delayed since the start of executing the list or the execution of the last macro
4.8 02 Jun 2021	! fixing an issue with embedding quotes in macro action data field
4.7 26 Jan 2021	! schedule keys no longer require a reboot when changed or added. removed schedules will require a reboot
4.6 26 Jan 2021	! ignoring whitespace around schedule keys
4.5 10 Dec 2020	! Fixed issue working with outputs > 20
4.4 17 Nov 2020	~ Modified the macro web handler to get the list of loaded macros

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4.3 29 Apr 2020	~ changing the logging to use .bak files. the addition of the logarchiver application will compress the .bak files into zip archives ~ forcing cinema_ prefix on all log files
4.2 04 Mar 2020	! Fixed a sign issue with sending cp+8-1000
4.1 03 Dec 2019	! trim unwanted spaces
4.0 04 Oct 2019	+ added code to detect barco series 4 device and launch the barco pulse rpc application
3.6 14 Aug 2019	+ Adding web handlers for getDevice without a device for internal io getAll.
3.5.1 05 Aug 2019	~ Restoring the use of Inversion registry key on soft pulse. We changed to use Conditioning but that does not affect logging and the IOLog class cannot be used.
3.5 31 May 2019	+ Adding POST functionality to macro
3.4.1 22 May 2019	! Reintroduced the watchdog.
3.4 01 May 2019	+ Added GetWebHandler to return temperature module information (http://IP_ADDRESS:CINEMA_WEB_PORT/get?device=temp&channel=1)
3.3 16 May 2019	+ Added PreshowMidMacro Configuration
3.2.1 15 Mar 2019	! Fix for illegalargumentexception channel out of range when adding inputs to the state monitor
3.2 14 Mar 2019	! handle quote (") in device send + Updated all ethernet devices to not disconnect at the end of a send. previously this was accidentally only implemented for a Raw Ethernet Device.
3.1 05 Mar 2019	+ macro web handler (http://IP ADDRESS/macro?name=MACRO NAME) + Addition of AppData/Cinema/WebServer/Port registry key. default is -1

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3.0.0

21 Feb 2019

RELEASED to Website March 5, 2019

+ Added the capability for the cinema program to control relay outputs 17 – 32 via the ASCII commands sent to the Cinema Server Client port or the Client port. The format is as follows:

Relays 17 – 24 ::c++1 to ::c++8

Relays 25 – 32 ::c+++1 to ::c+++8

2.9.0

+ Added various calendar options to the Cinema Scheduling registry keys. The registry key follows the pattern AppData/Cinema/Schedule/xxxxxx Where xxxxx can be any text. The new options are as follows:

Daily,12:00,macro_name

MoTuWeThFrSaSu,12:00,macro_name

Monthly(15),12:00,macro_name

Mar(15),12:00,macro_name

Where 12:00 is the time to execute the macro in 24-hour format.

Macro_name is the name of the macro to execute

Any single day can be used, for example, Mo or Tu or any combination

And day of the month can be used (1-31).

Any month can be used Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec

NOTE: The macro_name can be replaced with reboot (the JNIOR will reboot on that day and time) or reboota (reboots the JNIOR and erases the working RAM memory – you do not lose your programs or any configuration items)

2.8.0

11 Oct 2018

RELEASED to Website November 21, 2018

+ Added IO Query to the Cinema Server Client. A device can now make a connection to the Cinema Server Client port and send a command to request the status of the inputs or outputs.

For example, sending rout1? will receive back either rout1=0 (for OFF) or rout1=1 (for ON). Sending din1? will receive back either din1=0 or din1=1

2.7.0

17 Sep 2018

+ The connection to any device will remain connected during the same macro if multiple actions are to the same device. The Cinema program previously would connect, send the command and disconnect for each command within the same macro. Now it is just one connection.

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2.6.2

Including
2.6.1
2.6.0

6 Sep 2018

! The . ('period') in a macro name was causing the macro to not execute when the run macro name command was sent via the serial connection. Added the 'period' to the list of valid characters acceptable in a macro name.

+ Can now execute a macro via a php request. This was added so that a user can create their own custom web page with 'buttons' and when the button is clicked, it can cause a macro to be executed. The php request works in conjunction with the JNIOR registry.

NOTE: Contact INTEG for sample web page code.

! Fixed an issue where if a macro file was changed and the JNIOR was soft rebooted, the updated macro file would not be backed up to flash memory. The file is now backed up.

! Fixed an issue with several of the built-in QSC DCP 300 commands where the length parameter was not getting set correctly.

2.5.3

Including
2.5.2
2.5.1
2.5.0

30 May 2018

RELEASED to Website August 15, 2018

! Fixed an issue that was created in the 2.3/2.4 release regarding the pattern matching for commands starting with :: and using the + for relays 9 – 16

! Fixed an issue with relay output triggers for running macros

2.4.1

Including
2.3.5
2.3.4
2.3.2
2.3.1

27 Mar 2018

RELEASED to Website August 6, 2018

+ Added new macro keys for JNIOR 412DMX power back-up – Power Lost, Ready, Restored.

+ Added Application Data for DCP Configuration web page

+ Now logging when preshow connects

+ Implemented preshow masking input and output

+ Implemented SNMP functionality

! Fixed a race condition starting the preshow client

2.2.1

21 Mar 2017

RELEASED to Website June 8, 2017

+ Changed the time synchronization so that the cinema program checks the JNIOR OS every hour for the correct time. This will allow the cinema program to adjust automatically for daylight savings without a reboot to restart the program.

+ Added Output Triggers in the Triggers Folder so now a macro can be triggered based on an input or output going from off to on.

! Went back to using input conditioning instead of inversion for soft pulses. Did not work with GDC servers. Added counter increment on soft pulse.

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2.2.0 14 Mar 2017	<p>+ Added in the Application Watch Dog for the cinema program. By default the watch is set to false. When you change the key to true and reboot, the cinema program will communicate with the JNIOR operating system on a regular time basis. Should the cinema program not check-in within a set amount of time, the cinema program will restart. The default key is as follows:</p> <p>AppData/Cinema/Watchdog = false</p> <p>Change it to true and reboot to activate the watch dog.</p> <p>+Changed soft pulses to use input conditioning instead of inversion</p>
2.1.4 20 Dec 2016	<p>! Corrected an issue where the Send command in a macro was not working with the Dolby devices.</p>
2.1.3 09 Nov 2016	<p>+ Added back the slight pause before closing a connection when sending a packet to Raw Ethernet devices.</p>
2.1.2 01 Aug 2016	<p>! Imported a software class for debugging purposes in a previous version that needed to be removed.</p>
2.1.1 25 Jul 2016	<p>+ Updated the program so that inputs 9 – 12 on the JNIOR Model 414 will act as Triggers to start a macro.</p> <p>! Fixed an issue where if somebody incorrectly formatted a logic statement in the Cinema Logic registry keys, the cinema program would crash.</p>
2.1.0 06 Jun 2016	<p>+ Added appinfo.ini so the Cinema program is displayed in the JNIOR DCP on the Configuration – Applications web page.</p>
2.0.17 3/7/2016	<p>RELEASED to Website July 18, 2016</p> <p>+ Changed the program macro operation so that a 'separate software thread' is NOT automatically created when a communication command (device control) is executed in a macro. This was causing the macro to look like it failed, but in reality did not. If the macro or device requires that the command be spun off into a separate thread so that back to back actions can be executed quickly, a Registry Key in AppData/Cinema has been added to allow this feature to be enabled again. The default key is as follows:</p> <p>AppData/Cinema/ExternalMacroInSeparateThread = false</p> <p>Change it to true and reboot.</p>

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2.0.16	Minor adjustment for field testing
2.0.15	Minor adjustment for field testing
2.0.14 6/5/2015	RELEASED to Website June 17, 2015 ! Fixed an issue where the hex format had to be entered in lower case
2.0.13 5/26/2015	+ Added new hex format to remove the "h " after every 2 characters. Can now enter them either way. With the word hex followed by the hex string with no spaces. For example, hex 52H 69H 63H 6BH OR hex 5269636B + Added Raw Udp Device
2.0.12 4/16/2015	+ Add delayed logic to all triggers
2.0.11 3/23/2015	+ Added a delayed emergency feature to make sure the fire alarm signal is present for a predefined period of time.
2.0.10 3/18/2015	RELEASED to Website April 7, 2015 ! Fixed an issue where we were not logging messages from a Cinema Server Client
2.0.9 2/18/2015	! Fixed an issue sending input switch commands to the NEC projector
2.0.8 2/12/2015	! Fixed an issue where sending multiple macro commands at once to the Cinema Server Client port from a cinema server (GDC for sure) may not always execute. All macros are now properly executed.
2.0.7.260 4/Feb/2015	RELEASED to Website February 4, 2015 ! Fixed an issue where a delay was accidentally left in the code thus slowing down macro execution in versions 2.0.5.254 and 2.0.6.258
2.0.6.258 21/Jan/2015	RELEASED to Website January 21, 2015 ! Fixed an issue where the 'soft pulse' of a JNIO digital input would not work. ! Fixed an issue where any actions above 100 would not work (can have up to 200). Can now utilize all actions.
2.0.5.254 7/Jan/2015	RELEASED to Website January 20, 2015 ! Changed the functionality where serial registry folders for Cinema Client and Cinema Server Client were not getting created unless the client method was set to serial. The serial folders are now created by default.

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2.0.4.242 6/Oct/2014	RELEASED to Website November 25, 2014 + Increased the total number of actions (not macros) that can be in one macro file to 200 actions. + Added the ability to allow a cinema server to send the command 'reboot' to the Cinema Server Client port and the JNIOR will reboot. + Added the ability to let an action in a macro contain less than whole second pulses for the relays. For example, a 0.5 second pulse is now valid ! Fixed an issue where commands being sent too quickly to the Control Panel could cause a deadlock. ! Fixed an issue with reading the messages coming in to the 'client' with a serial connection
1.3.0.76 3/18/2014	RELEASED to Website March 20, 2014 + Added the ability to send UDP broadcasts by entering 255.255.255.255 for the IP address in the devices file.
1.2.0.68	Converted Cinema.JNIOR to run on the JNIOR Series 4 platform as Cinema.JAR file