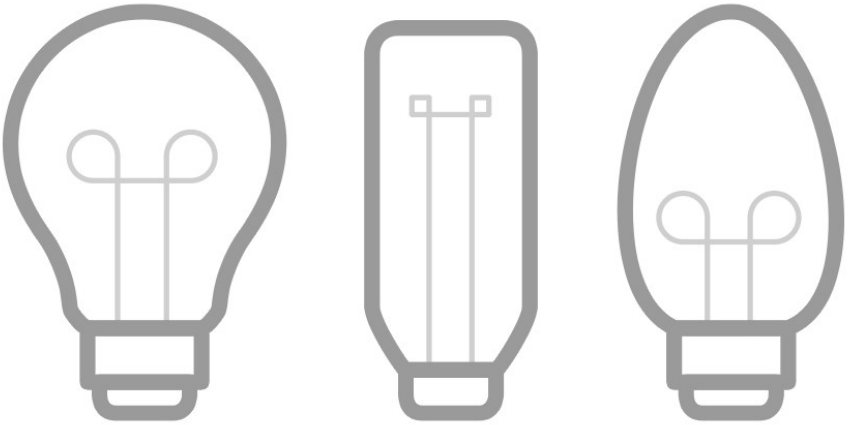
Chowmain Light Group Installation and Usage Guide



light group

Version: **20251008**
Date: Tuesday, October 07, 2025
Authors: Andrew Luecke

chowmainsoft

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Chowmain Light Group allows lights by any manufacturer (including OS3.3 ColorWheel lighting) to be grouped together and operated simultaneously from a single light driver, instead of requiring ALS scenes.

This is beneficial as an example for systems where multiple lightstrips are used for a certain area and need to be the same color at all times, or for easier room lighting control.

This driver does not rely on driver Load Group support and supports both Pre-OS3.3 lightv2 lighting, and OS3.3 lightv2 lighting with ColorWheel. The original (and mostly unused) light (v1) proxies are NOT supported

OS 3.3.2 or later is required to use this driver

Features

- Enables the grouping of lights into a single light
- Advanced Lighting Scene Support
- Brand Agnostic. Group together Shelly with Hue, LIFX, Yeelight, or even Control4 lights.
- Add Custom Extras to your group lights which can fire custom programming and Events
- Ability to change modes between Color Temp and Hue
- Turn on light automatically during color changes
- CCT Capabilities Auto-Detection (Manual selection is also supported)
- CCT Tracking via Percentage scaling, or the closest Kelvin Level
- Emulate CCT using Color
- Track Brightness via
    - Average brightness
    - Use the brightess light
    - Use the dimmest Light
    - Use a selected light
    - Or ignore Brightness from connected Lights
- Track Color/CCT Via
    - Average Color
    - Use a selected light
    - Or ignore Color from connected Lights
- Button Links suitable for Control4 Compatible Keypads to control Brightness, CCT, and Color

Setup

Recommendations

- Control4 OS3.3.2 or Later is required for this driver to operate correctly.

Properties

- Cloud Status: Licencing Status of the Driver
- Driver Version: Version of the Driver
- Automatic Setup: Whether or not the driver will automatically update the driver
- Control4 MAC Address: MAC Address of the C4 Controller
- Debug Mode: Enable different types of debugging modes for driver.
- Debug Level: Verbosity of debugging. ERROR is the least verbose
- Error Reporting: Enables Automatic fault reports to Chowmain

Driver Information

- Lights: Lights to control in the driver
- Capabilities: The selected lighting capabilities to support with this driver
- Capabilities Detected: The Lighting Capabilities which were detected in the included lights
- CCT Temperature Range: Sets the CCT Temperature Range manually or automatically
- CCT Temperature Range Detected: The CCT Temperature Range which was detected in the included lights
- Minimum Color Temperature: The minimum color temperature in Kelvin (only available with manual CCT Temperature Range)
- Maximum Color Temperature: The maximum color temperature in Kelvin (only available with manual CCT Temperature Range)
- Power Off Type: Determines if a light should be turned off by setting brightness to 0, or sending an off command. Some lights may experience issues if brightness is set to 0 instead of sending an off command. Relay lights Always use the off command
- Send Delay (ms): Delay sending commands to each light. This is useful for lights that do not handle multiple commands simultaneously well (such as during scenes)

Group Setting

- Setting Color Powers On Light: When setting CCT or Color, should the light be powered on if it is off. This may improve the user experience.
- CCT Tracking: When setting a CCT level, should this driver set the light as a scaled percentage level (ie, when the CCT is set the lowest, the lowest CCT is set on the light too), or should it try to match the CCT level as close as possible (try to match the kelvin level)

Group Feedback

- Selected Light: Select a light to use for feedback
- Convert CCT To Color (If Required): Emulates CCT using Color if the light does not support CCT natively. This is useful to allow products (such as Shelly RGBW2) which lack CCT support to support Daylight Agent. Please note, the light will report to C4 as Color Mode, and no CCT adjustment will be added to the individual light, only the group light driver. Also, please note that the accuracy of the CCT is an approximation and may not be 100% accurate.
- Brightness Feedback: Determines how Brightness Feedback in the group driver should be determined:
    - Average: Average all the brightness levels between the lights.
    - Brightest Level: Uses the brightest light as the level at all times
    - Ignore Feedback: Set the driver to one-way. Ignore brightness on all lights
    - Lowest Level: Not recommended. Uses the dimmest light level. Please note, if any lights are stuck with 0 level, you may not be able to turn others off
    - Selected Light: Use the selected light for the brightness level
- CCT / Color Feedback: Determines how CCT or Color Feedback is determined in the group driver:
    - Average: Average all the Color/CCT levels between the lights. If any lights are Color, use Color instead of CCT
    - Ignore Feedback: Set the driver to one-way. Ignore Color/CCT on all lights
    - Selected Light: Use the selected light for Color / CCT. It is recommended to use

Custom Extras

- Select Category: Used to Select or create a new category which is shown in the lighting extras menu
- Category ID: Internal identifer used to identify the category.
- Category Name: Name of the category shown in Extras.
- Category Display Type: Changes the way the category actions are displayed to the enduser on the lighting extras interface.
    - Buttons: Shows the actions as seperate buttons. We generally recommend this for commonly selected IR Commands, such as brightness levels. This makes the commands easy to access in one click, but takes up significantly more display space.
    - List: Shows the actions under a single dropdown interface. We recommend this for lessor used actions. Commands require an additional click to access, but require less display space.
    - Category Sort Order: Categories are normally sorted alphabetically. Setting a lower sort order will automatically make the category show up closer to the top of the extras display, which is useful for important categories. Setting the sort order higher will push the category to the bottom
    - Category Visibility: Sets whether the category is visible to endusers. This is useful in cases where events may have been added, but are deemed to no longer be useful or do not operate correctly.
    - Remove Category: Permanently removes the currently open category. This will permanently remove all actions bound to it.
- Select Action (Not shown if no categories exist): Selects or creates a new action
    - Internal identifer used to identify the action.

- Bind To Category: Used to set the category which contains the action
- Action Name: The name of the action which is shown to endusers
- Action Sort Order: Actions are normally sorted alphabetically within a category. Setting a lower sort order will automatically make the action show up closer to the top of the category, which is useful for important actions, or actions which are may make more sense outside of alphabetical order (such as Dim, 25%, 50%, 75%, Full Brightness). Setting the sort order higher will push the action to the bottom
- Action Visibility: Sets whether the action is visible to endusers. This is useful in cases where an event may be added but either not working properly, or deemed to no longer be useful
- Remove Action: Permanently removes the currently open action from the device.

Custom Extras (Auto Start)

- Auto Start Action On Driver Startup: Automatically Start a Custom Extra Action on Driver Startup/restart.

- Auto Start Action Delay (ms): If an auto-start action is used, the action is delayed to ensure that lights have time to connect via network (or other protocols)

  States

- Brightness: Current Brightness of the device

- Color: Current CCT / Color of the device

Actions

- Display Control Log: Displays a Log which shows triggered actions in Chowmain Light Group. Useful for Debugging
- Display Devices: Displays the specifications of the linked Devices. Useful for determining the most useful configuration for the group driver
- Display Diagnostics: Detects issues and displays faults to lua window
- Display Related Diagnostics: Detects issues and displays faults for all Chowmain Light Group drivers to lua window
- Display Custom Extras: Displays the Extras Tree in the lua window. Useful for seeing the expected output in extras and adjusting the sort orders
- Get Latest Settings From Lights: Updates the Group driver with the latest light settings. This is useful if settings such as the CCT value have changed on some of the lights
- Send Custom Action: Trigger a custom action which is listed under Custom Extras
- Submit Diagnostics: Submits diagnostics information to Chowmain and provides a ticket ID to the LUA window which can be provided to Chowmain staff when requesting support

Commands

- All Standard Control4 Lighting Commands are available

- Send Custom Action: Trigger a custom action which is listed under Custom Extras

Frequently Asked Questions

Why is this product so exciting?

- This driver allows you to group together different brands of lights and control them as a single light in Control4. So is perfect for people with multiple lighting systems at home. It no longer matters if you have a mixture of Shelly and Wiz in the same room as an example. You can control both simultaneously as though they are interconnected
- Or, in most scenarios, you may have multiple strip lights you want to treat as a single strip, but previously couldn't because of the power requirements
- Enhance a group of drivers, or single drivers with CCT, Brightness or Hue control from any Configurable keypad (or any other BUTTON_LINK capable driver, such as Bond SideKick, or Shelly I4)
- Add Daylight Agent Support to almost any OS3.3 CCT-capable driver which does not yet offer this capability
- There are times when you want to limit functionality (dimmer to on/off only for example). This driver will allow you to do that.
- Easily Execute Events via our powerful Custom Extras functionality from the Extras interface of the light.

What are the Minimum Requirements for this driver?

- Control4 OS 3.3.2 or later is required to operate this driver.
- HC-XXX Series controllers are not supported

What hardware will this work on?

- This driver is designed to be generic and work with any OS 3.3.0 light driver.
- This has been tested with many lighting drivers including TP-Link, LIFX, Shelly and Phillips Hue.

Are there any other considerations?

- This driver works best for grouping lights of the same brand together. Some light brands may have different behaviors or require additional configuration which may lead to slightly different behaviors between them

Do you offer any other cool drivers?

Control4 is a major part of our business. We develop new drivers all the time. You can see all of our drivers on our website (https://chowmain.software). Sign up to our newsletter to get notified when new drivers are released.

I want to try this driver out before buying it?

All Chowmain drivers for Control4 come with a 90 day trial.

Licensing

Marketplace

To Purchase drivers

Chowmain Drivers are only available to authorized dealers. Integrators can sign up to a Chowmain account via the Chowmain Website. Authorization of dealers can take up to 48 hours; however, you can trial the drivers without an account.

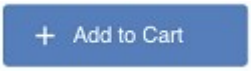
1. Navigate to the login page of Chowmain website: Chowmain - Login
2. Sign in using credentials provided after sign up request approval
3. Ensure you are logged into the website using website's header: registration and sign up buttons are replaced with cart icon and user icon



4. Navigate to the drivers page: Chowmain - Drivers
5. Alternatively, you can use the global search input in the header to find the driver



6. Search for and locate the driver you are interested. Click *Add To Cart*



7. Once you have added all drivers to your cart, navigate to the shopping cart: Chowmain - Cart
8. Click *Checkout & Pay*. Follow the directions



9. Purchase confirmation will be sent to your email, all orders can be viewed in the Chowmain - Orders
10. Once the payment is processed, the driver will be available in your account: Chowmain - My Drivers

Create Chowmain Project and obtain Project Code

Note:

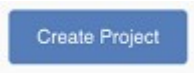
- Showroom Projects contain all drivers of its Control System
- Paid licenses cannot be assigned to Showroom Projects
- Only 1 Project is required per home
- If the Project has already been created, do not create a second one
- If controller already has a Project code created by another installer, please contact the original installer for access. If the original installer is unavailable, contact Chowmain - Support

- If the controller has been replaced and the license needs to be transferred to a new controller you can do so yourself via the website

1. Ensure you are signed into the Chowmain Website
2. Navigate to Dashboard => Projects



3. Click *Create Project*:



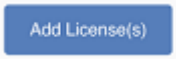
4. Complete the details for the Project (*Project Name*, *Customer Name*, *Control System*)
5. Upon completion, take note of the **Project Code**. This is required to link the Control System to the newly created project

To Assign purchased drivers to Project

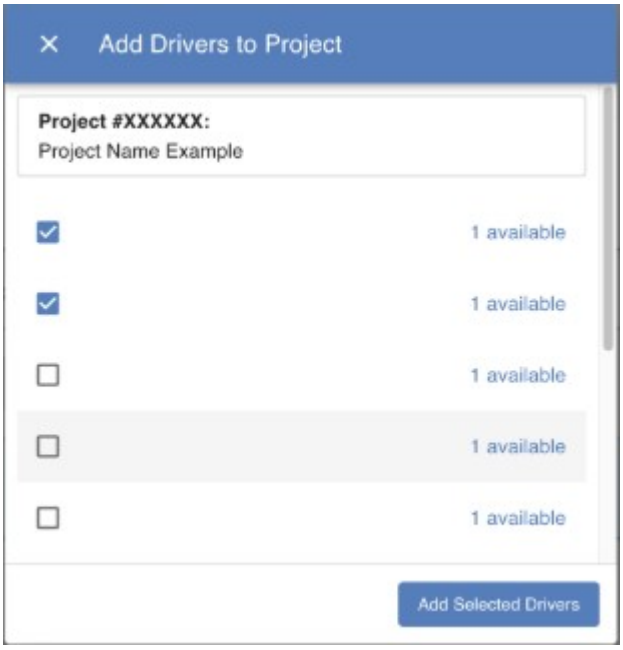
NOTE: Driver must already be purchased and a Project Code must be created as per above 'Create Chowmain Project and obtain Project Code' section

1. Navigate to Chowmain Software - Projects. Click the *Project Name* you wish to assign the driver to



2. Click the *Add License(s)*: 

3. Select Drivers you wish to assign to the project, and click *Add Selected Drivers*:



4. Alternatively you can add in drivers via the [Chowmain - Drivers]

5. The driver will be added to the project with the license status *Licensed*



Control4

To Download and install Chowmain drivers:

NOTE: Licensed Chowmain drivers come with a complimentary 90-day trial period. To license the driver, installation of the Chowmain Project Agent is required. The Project Agent is also required for automatic driver updates. Throughout the 90-day trial period, Chowmain Drivers operate without any limitations. After this period, the driver will be disabled unless properly licensed.

All Chowmain Licensed drivers require a minimum of OS 3.1.3 to operate correctly unless specified.

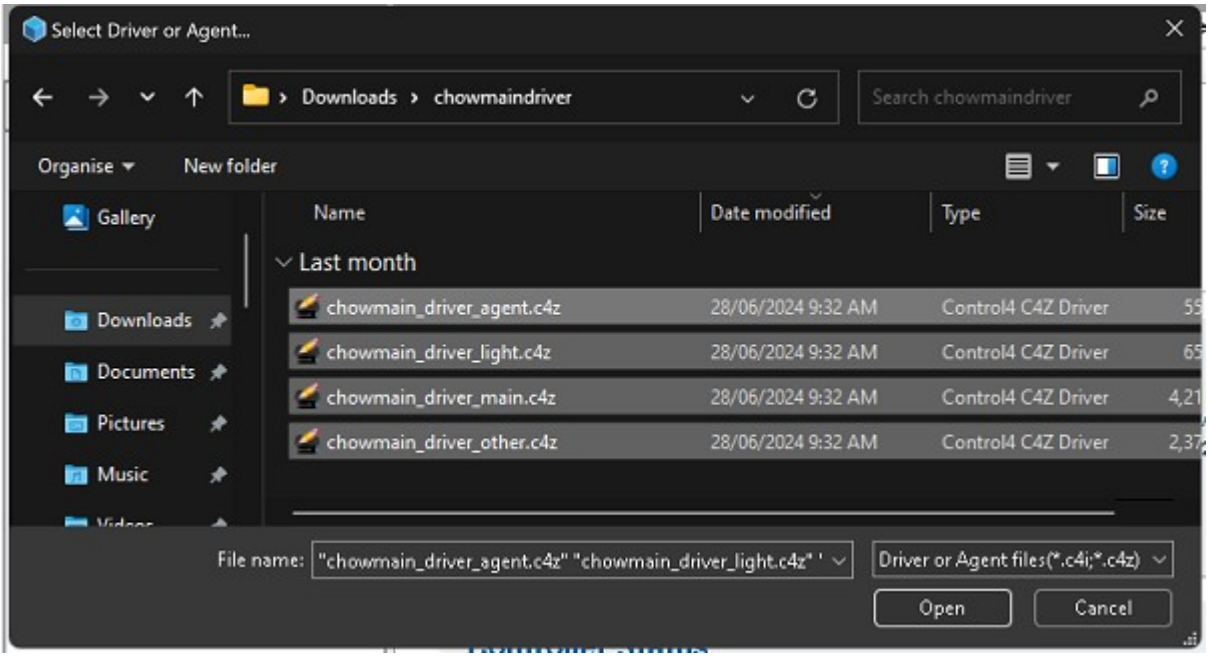
1. Visit: https://chowmain.software
2. Search and locate your driver, and click into the details by clicking the picture or heading.
3. Select Download. And extract the contents of the downloaded Zip file to a temporary directory



4. **Please note: For many drivers, it is no longer recommended to copy the contents of most modern drivers directly to your Control4/drivers directory.** The recommended method of updating drivers or installing drivers is in Composer Pro, navigate to the Driver=>Add Or Update Driver Or Agent menu item.



5. Locate the temporary directory containing your C4Z files. You can select and install/update all drivers simultaneously by selecting one and using Ctrl+A. Alternatively, click the top driver+shift+click the bottom. Click the open button. You will be alerted when drivers are installed



6. Install drivers as per normal. Please note, some drivers may be agents, and you must use the Agents tab in Control4 to install the driver. Composer Express does not support Agents, and Composer pro is recommended for all installers.

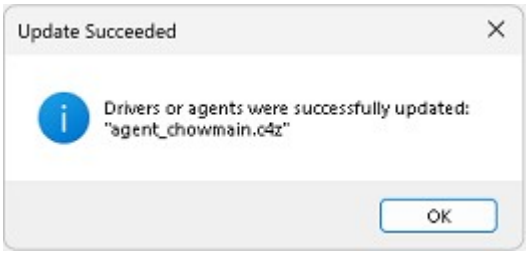
Install Chowmain Agent

Installation of the Chowmain Agent is required to licence drivers

1. Download Chowmain Project Agent From the [Chowmain Project Agent Page]
2. Open Project In Composer Pro. Composer Express does not Support Agents and cannot be used
3. Navigate to the *Driver=>Add Or Update Driver Or Agent* menu item



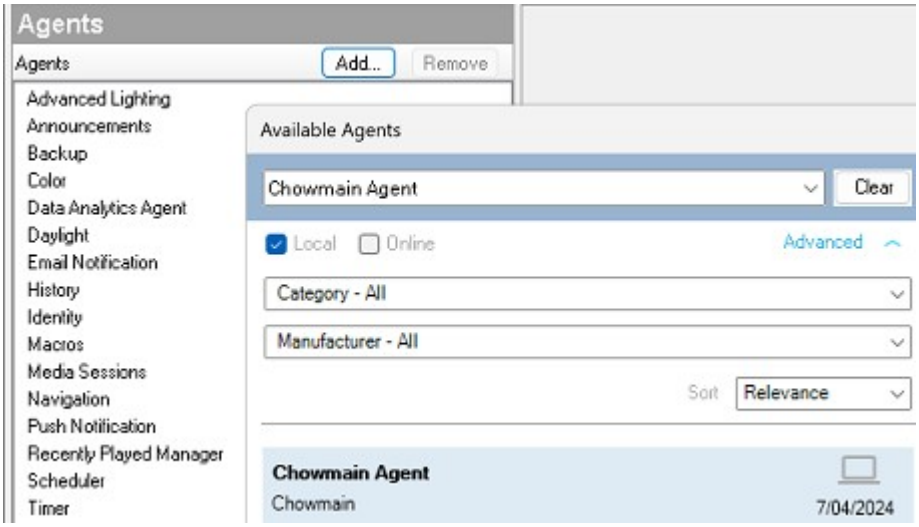
4. Add the *agent_chowmain.c4z* file



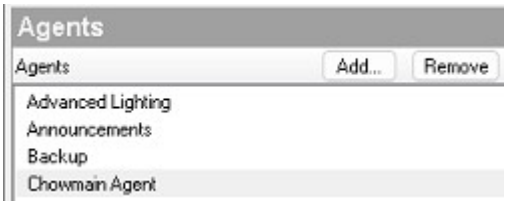
5. Navigate to the Agents View in Composer Pro



6. If *Chowmain Agent* is not already added to project, select the *Add* button in Agents and add the *Chowmain Agent* to Project



7. *Chowmain Agent* should be listed in the project.

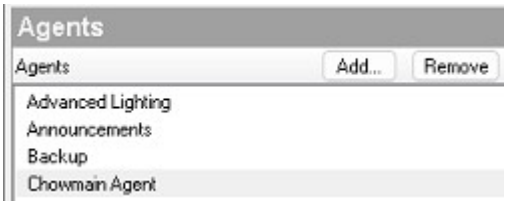


Link Project Code to Control4 Project

1. Ensure Chowmain Agent is installed on primary Control4 Controller. If not, follow the previous information
2. Navigate to the Agents View in Composer Pro



3. Select *Chowmain Agent* in the project



4. Enter the Project Code into the Project Code Property. You would have previously set this up on the Chowmain website as outlined in the Website portion of this document. If you have not set up a project you can do so via the [Chowmainsoft - Projects] webpage.



5. The status property will provide feedback on driver licencing status



6. **Please note:** If project code has been used previously on another controller you can revoke the licence for use again.

LICENCING FAQ

What are the Requirements for Chowmain licencing?

- Driver trials do not require Agent to be installed.
- To activate licenced drivers, *Chowmain Project Agent* must be installed.
- Composer Pro 3.1.3 or later is required to install and configure *Chowmain Project Agent*
- Internet is required during the licence registration process.
- If Internet is lost then the licence will persist the last state.
- If the Chowmain Project Agent is removed then licencing will be invalidated. Do not remove the Chowmain Project Agent once installed.

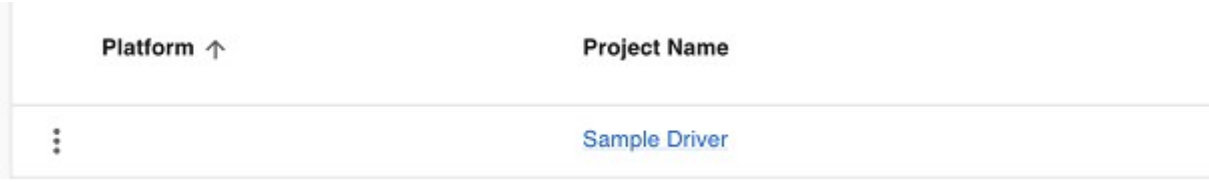
How do I know if the deployed driver is using Chowmain Licencing?

- There are multiple ways:

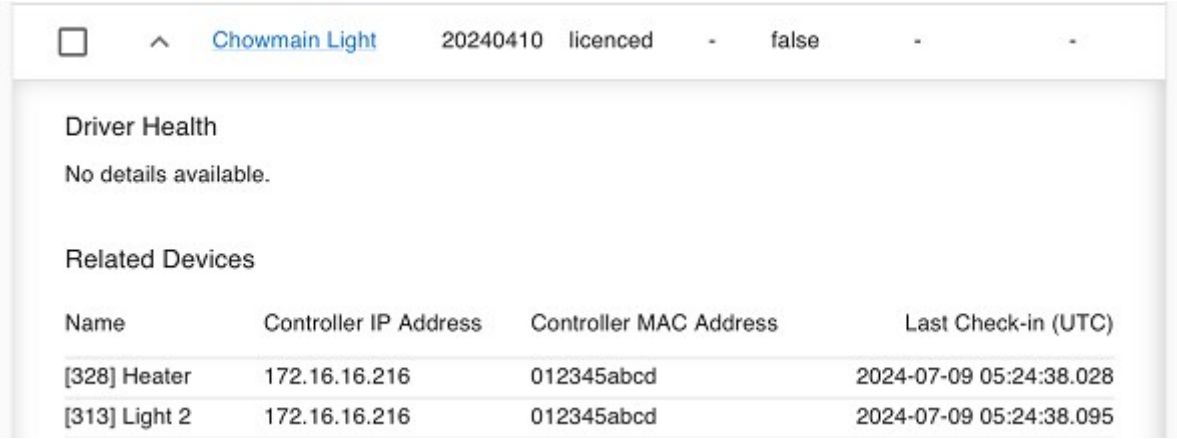
1. Chowmain licensed drivers have *CM:* in their cloud status property



2. If the *Project Code* has been correctly entered in Chowmain Project Agent and the project is registered, you can find the list of Chowmain-licensed drivers deployed on your controller using the Chowmain website.
    1. Navigate to [Chowmainsoft Website - Projects]
    2. Select your Project Code



    3. Known Chowmain Drivers will be listed, and if you select the driver, it will list which drivers in the project are known to be CM Licenced. Please note, this list may not update immediately



How does the trial period work?

All Chowmain drivers are free to use for 90 days. When the trial expires the driver will cease to function until you purchase a licence and apply it to the project.

What benefits does Chowmain Project Agent provide?

Chowmain Project Agent provides a number of benefits for projects

- Required for activation of driver licences. Enables the linking of Control4 Projects to Chowmain Project Codes.
- Required for Auto Updates of Chowmain Licenced drivers
- Provides local access to all Diagnostics for all known licenced Chowmain drivers on Control4 system in 1-click
- Bulk Enable and Disable of Automatic Updates of drivers
- Display local licencing information for all known driver
- Update All Drivers in 1 click to latest versions available for that driver

Where do I buy a Licence from?

- Chowmain Control4 Drivers are only available to Control4 installers. Installers can sign up to a Chowmain account using: https://chowmain.software/signup. If you are a home owner you should contact your automation installer for support, purchase and installation of drivers
- This driver is developed by Chowmainsoft and can be purchased from the Chowmain Software Website.
- All licences are site licences. This means the one licence can be used to unlock as many instances of the same driver in the same project.

Can I upgrade old versions of drivers from other marketplaces to Chowmain?

- This process is mostly automated.
    1. Install Chowmain Project Agent, and assign a Project Agent as required
    2. Ensure all drivers are up to date, and replace obsolete drivers with updated builds.
    3. Wait 10 mins.

Developer Information



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Information stated in this document is current as of January 2025 and may change. For latest information please visit http://www.chowmainsoft.com

Support

Ticket / Live Chat Support

We provide ticket based support and live chat support for those who can't contact us via phone. Click the button below to visit our online helpdesk.

Support Centre	Hours of Operation	URL
Australia / New Zealand / United Kingdom	Monday - Friday - See website for hours of operation	https://chowmain.software/for-integrators/technical-support

Phone Support

Region	Hours of Operation	Phone Number
Australia	Monday - Friday - See website for hours of operation	[+61 3 9028 6999](tel:+61 3 9028 6999)
United Kingdom	Monday - Friday - See website for hours of operation	[+44 29 2000 5551](tel:+44 29 2000 5551)
United States	Monday - Friday - See website for hours of operation	[+1 206 944 5444](tel:+1 206 944 5444)

Driver Documentation

All of our drivers come with detailed instructions on how to install and configure the driver for use in different projects. Please refer to the documentation included with the driver you downloaded, or contact us if you are unable to locate the documentation for your driver.

Change Log

Version 20251008 - 07-OCT-2025

- [Bug] In some cases, brightness may have been reported incorrectly. Fix Brightness tracking for Average, Min and Max modes
- [Compatibility] Further X4 compatibility Improvements. This may also improve compatibility with some semi-buggy drivers.
- [Feature] Add Send Queue for improve reliability for some lighting systems which do not handle multiple commands at once well. This is especially useful for scenes or rapid commands. The delay can be adjusted in the properties. Setting to 0ms will disable the queue. By default, we assume drivers correctly buffer the lights and do not require a delay.
- [Workaround] Add Power Off Type Property to workaround issues with some lights which do not handle brightness 0 well. In some circumstances, this may be better for relays too
- [Improvement] Relay devices should now use on/off instead of dimming targets. Relays are always 0 or 100% and drivers might incorrectly set the feedback as 50% of other values otherwise

Version 20250721 - 21-JUL-2025

- [Workaround] Workaround issue in C4 X4.0.0 with BUTTON_LINK Toggles on On/Off lights
- [Stability] Apply improved error handling code. No issues have ever been observed in production. This is purely for safety purposes only (All)

Version 20250318 - 18-MAR-2025

- Remove Remainder of old licencing
- Improve Compatibility with Security Light Driver, and other drivers which incorrectly send blank data
- Minor Licencing Improvements

Version 20241002 - 02-OCT-2024

- Add Control Log Action. Displays the last 50 light actions controlled by the driver

Version 20240912 - 12-SEP-2024

- Improve Licencing

Version 20240808 - 08-AUG-2024

This is a Major Update which adds Chowmain licencing and Preset handling. It is recommended to backup your project before updating. This release performs a migration of internal data. Once upgraded, you cannot downgrade to earlier versions without loading a project backup. Users with BUTTON_LINK's may notice a few differences with the way the lights behave in this release. Existing users may need to toggle their default modes once and reboot for them to be properly active in some cases.

A reboot may be required for this release.

- Support for Chowmain Licencing
- Overhaul Lighting Scenes. Flashing Scenes are now supported, and scenes now are more "accurate" in handling
- Full Presets support including Dim To Warm / Fade Color
- Improved Troubleshooting
- Performance Improvements
- Improve Memory Usage and Controller CPU Performance
- Fix Click / Hold Rates not being stored correctly

Version 20230607 - 07-JUN-2023

Please note, we strongly recommend performing a backup before this release. This release performs a migration of internal data. Once upgraded, you cannot downgrade to earlier versions without loading a project backup. Users with BUTTON_LINK's may notice a few differences with the way the lights behave in this release. Existing users may need to toggle their default modes once and reboot for them to be properly active in some cases.

- Upgrade to Rewritten Lighting Framework, to facilitate future enhancements
- Add Support for Previous On Brightness/Color in Button Binding and standard UI
- Fix Brightness/Color State to be same as UI when using Brightness BUTTON_LINK
- Fix On Command to utilise Default On Brightness/Color
- Better handling of Presets overall

Version 20230518 - 18-MAY-2023

- Button Link LED Status was incorrect for On/off (Toggle was correct) - Thanks Matt Lowe
- Default CCT / Color Feedback Setting is invalid (but appears correct on Interface). This may have broken Color Feedback for some people -- Thanks Scott Helder

Version 20230404 - 04-APR-2023

- Support for CCT Emulation using Color. This enables basic CCT support for lights that do not support CCT natively (such as the Shelly RGBW2), and therefore, also allows them to be used for Daylight Agent
- Add Support For Custom Extras. Similar to our V2 Generic Light Driver, you can now add custom extras to your interface which fires Events which can trigger programming. Generally, this might be used for executing specific ALS scenes or create custom actions that may be built into the light themselves
- Ability to automatically start Custom Extra Actions when driver or controller is restarted

Version 20230330 - 30-MAR-2023

- On / Toggle Command should use Default On brightness, not send an ON command to devices - Thanks Chris Cooley
- On / Toggle Command on Button Bindings should use Default On Brightness, not ON Command - Thanks Chris Cooley
- Fix Button Action handling for On / Toggle Command - Thanks Chris Cooley
- Use Click Rates for Button Bindings
- Link Buttons should be consistent

Version 20230323 - 23-MAR-2023

- Initial release