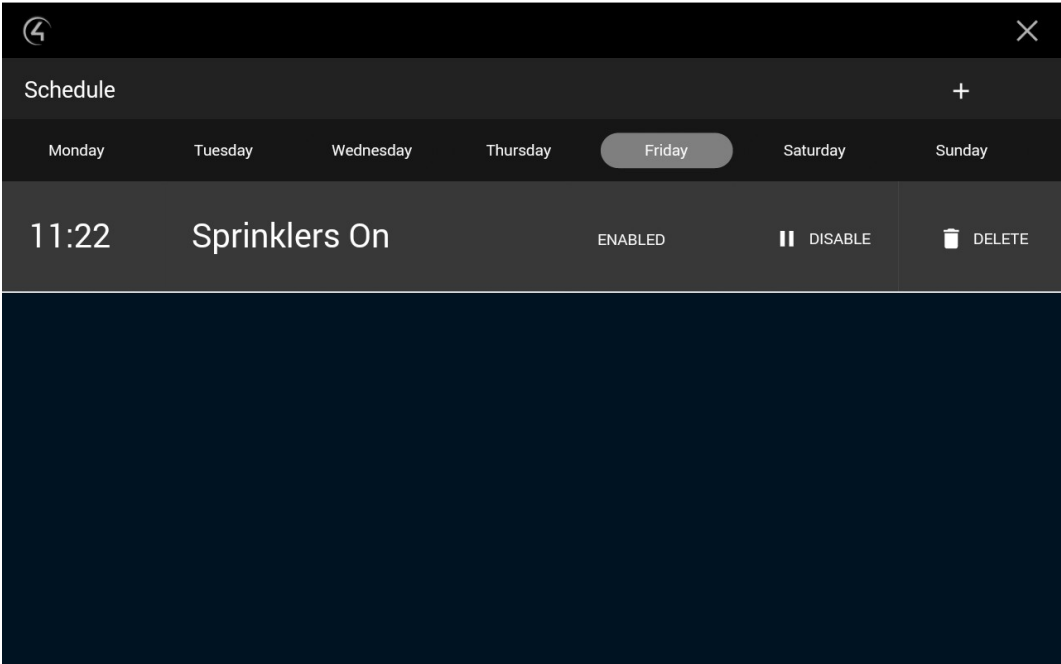


Scheduler Installation and Usage Guide



Version: 20240912
Date: Thursday, September 12, 2024
Authors: Andrew Luecke

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Overview

The Scheduler webview driver for Control4 provides end users with the ability to schedule pre-setup presets/macros via Control4's T3 touchscreen and T4 touchscreen along with Control4's iPhone, iPad or Android based applications.

We have designed the scheduler to look, feel and operate in a similar manner to the Control4 thermostat scheduler. As such not only is it very functional but the UI feels and operates like a Control4 interface.

The driver allows you to setup a repeating schedule which will repeat on a weekly basis or setup a one off schedule that will only operate once and will remove or disable itself after it executes.

This adds a missing feature from the Control4 home automation system that dealers have sought after for years and provides end users the ability to schedule without having to utilise the Control4 Composer Home Edition software for PC or by using when / then.

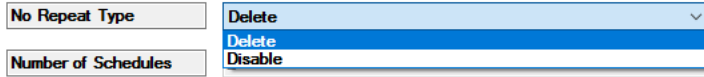
An infinite amount of Presets/Macros can be setup by the dealer to suit the customer's lifestyle and Control4 system. For example you can create Sprinklers On and Sprinklers Off presets or for a commercial job they can setup a shop open and shop close schedule.

Features

- Compatible with
 - T3 touchscreens
 - T4 touchscreens
 - iOS (iPhone / iPad) app
 - Android app
- Dealers can add in an infinite amount of preset macros.
- Consumers have full control over the scheduler from their touchscreens or mobile devices. They can
 - Add a schedule in to fire a preset macro.
 - Enable/Disable a schedule from running
 - Delete a schedule
- Schedules can be once off schedules or can repeat every week for any day / time.

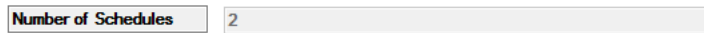
Setup

1. Add the 'Scheduler (Webview)' driver to the project and select the device
2. Customers have the ability to setup a schedule as a one off. The No Repeat Type property determines what to do if a schedule is a one off. You can either delete the schedule after it has executed or you can disable it so that the customer can manually re-enable or delete it themselves.



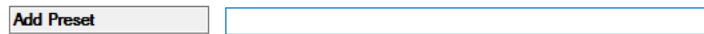
The image shows a dropdown menu for the 'No Repeat Type' property. The menu is open, showing three options: 'Delete', 'Delete', and 'Disable'. The first 'Delete' option is highlighted in blue.

3. The Number of Schedules property advises you how many schedules have been added in by the customer.



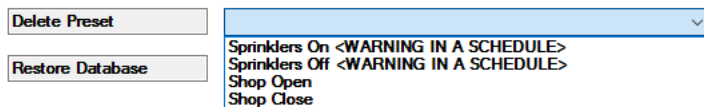
The image shows a text input field for the 'Number of Schedules' property, with the value '2' entered.

4. You will need to add in one or more presets (macros). By adding a preset you will create an event which you need to program against later on. Customers will then create a schedule to fire their desired preset at the time they wish to execute them. Type in the name of the preset you wish to create and click on set.



The image shows a button labeled 'Add Preset' next to an empty text input field.

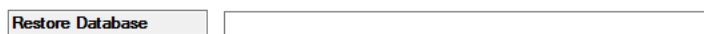
5. You can also delete presets that are no longer being used to clean up the list. The driver will warn you if a preset is currently in a schedule. If you delete a preset with a schedule in it then the driver will also delete the schedules associated. Click on a preset and click set to delete it.



The image shows a dropdown menu for the 'Delete Preset' property. The menu is open, showing four options: 'Sprinklers On <WARNING IN A SCHEDULE>', 'Sprinklers Off <WARNING IN A SCHEDULE>', 'Shop Open', and 'Shop Close'. The first two options are highlighted in blue.

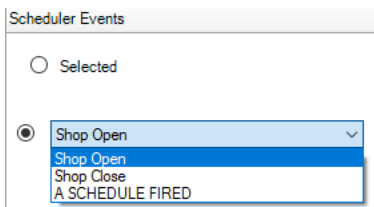
6. The Restore Database property is used to recreate all Presets and Schedules if you have backed them up. You can back them up using the Actions tab in the driver's properties. Paste in the backup string and click on set to restore.

NOTE: This will not restore any programming you have created for each event/macro. You will need to reprogram that again.



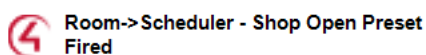
The image shows a button labeled 'Restore Database' next to an empty text input field.

7. Click on the Programming Tab.
8. In the Scheduler driver's events select the preset you need to add programming to.



The image shows a dropdown menu for the 'Scheduler Events' property. The menu is open, showing four options: 'Shop Open', 'Shop Open', 'Shop Close', and 'A SCHEDULE FIRED'. The first 'Shop Open' option is highlighted in blue.

9. Add any device actions you want to the script.



10. Repeat for each preset until you have finished programming all presets.
11. Enable visibility of the Scheduler UI in the properties of each room as required by selecting the room in the project, navigator, and setting visibility to Visible

12.Refresh Navigators

13.Congratulations you have successfully setup the Scheduler Webview Driver for T3 touchscreens. You can view the Scheduler under the services menu on the touchscreen.

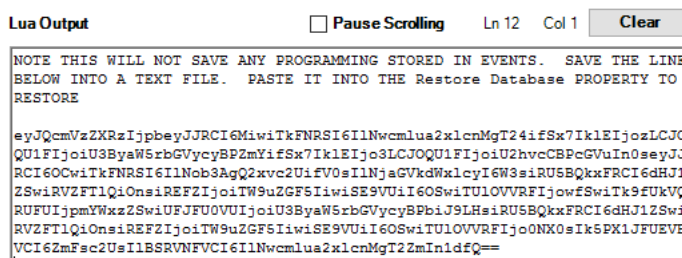
Backing up your schedules and presets

IMPORTANT – This will backup all the schedules and presets but it will not backup any programming you have added to the preset. You will need to recreate them again if you choose to restore the backup.

1. Launch the Composer Pro application and connect to your project
2. In the 'System Design' page highlight the 'Scheduler' driver on the left hand side.
3. Click on the Actions tab.
4. Click on Output Database



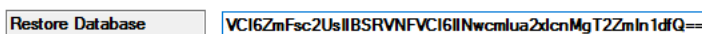
5. Click on the Lua tab
6. The Lua Output window will now have a long string of text. Copy this and save it somewhere safe so you can restore it later.



Restoring your schedules and presets

IMPORTANT – This will restore all the schedules and presets but it will not restore any programming you have added to the preset. You will need to recreate them again if you choose to restore the backup.

1. Launch the Composer Pro application and connect to your project
2. In the 'System Design' page highlight the 'Scheduler' driver on the left hand side.
3. Paste in the string we saved in the 'Backing up your schedules and presets' section into the Restore Database property and click on Set



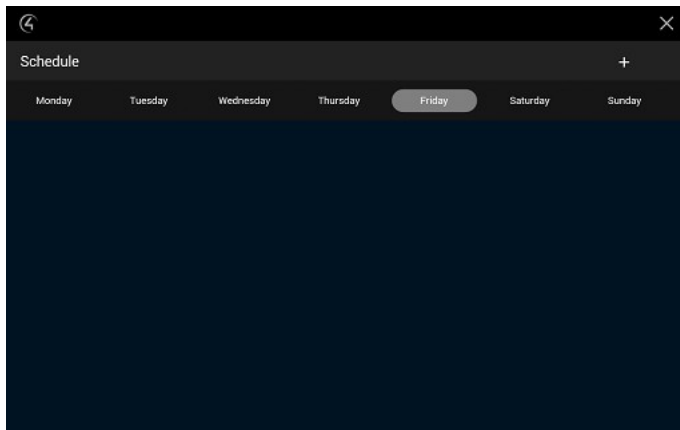
4. Congratulations you have restored your schedules and presets.

Using the scheduler

This section will go through how a consumer uses the scheduler app on their T3 touchscreen. The app is designed to look and feel like the Control4 Thermostat Scheduler so if you are familiar with that then you will know how to use it.

Adding a schedule

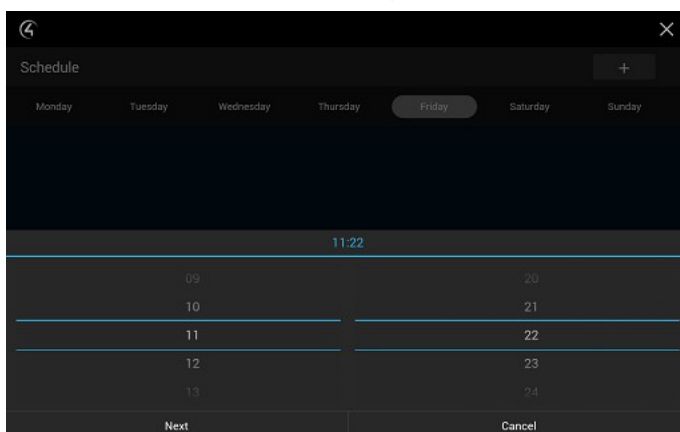
1. When you launch the device you will be met with this screen.



2. Select the day you wish to manage
3. It will signify that you are on that day by highlighting it with a grey oval



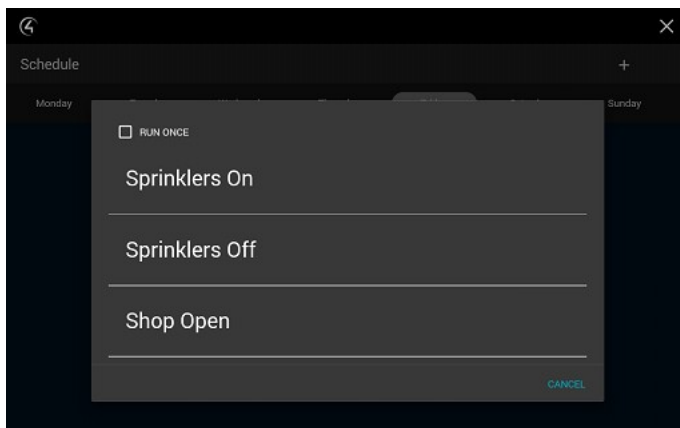
4. Click on the + Button on the top right of the screen.
5. Scroll to the hour and minute you want for the schedule and tap the next button.



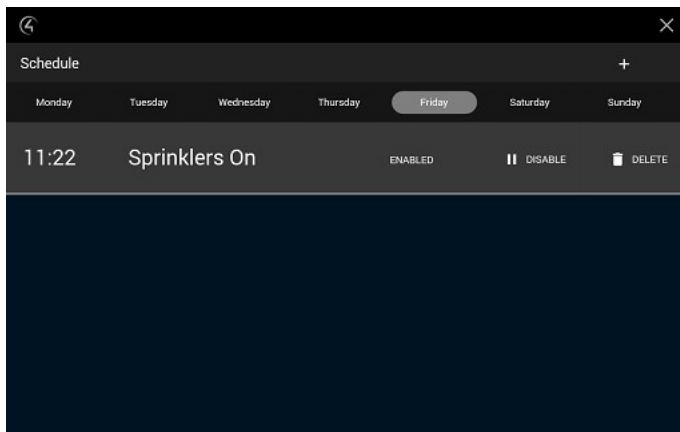
6. If you want the Schedule to only fire once and not on a weekly basis check the RUN ONCE box



7. Select the Preset Macro you want to execute for this schedule.



8. You will see the schedule in the list for that day now.

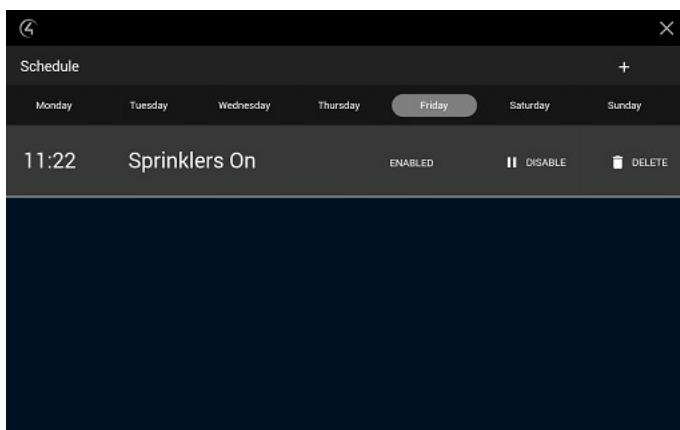


9. Congratulations you have added in a schedule

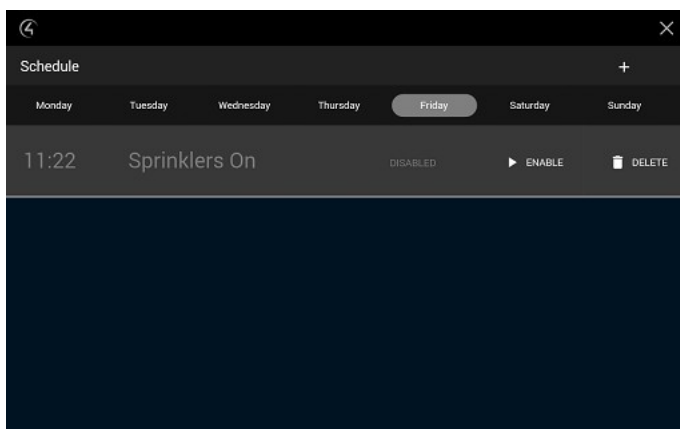
Disabling a schedule

Disabling a schedule will stop a schedule from firing a preset when it executes. This is used to temporary skip a schedule from running and can be useful if you want the schedule to resume on another occasion.

1. Select the day you want
2. Click on the DISABLE button next to the schedule you want to disable.



3. You will notice that the schedule is now greyed out and the button has now changed to ENABLE.

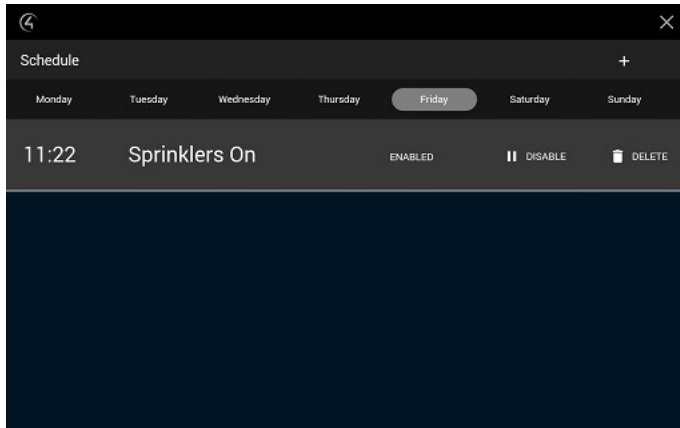


Congratulations you have disabled the schedule.

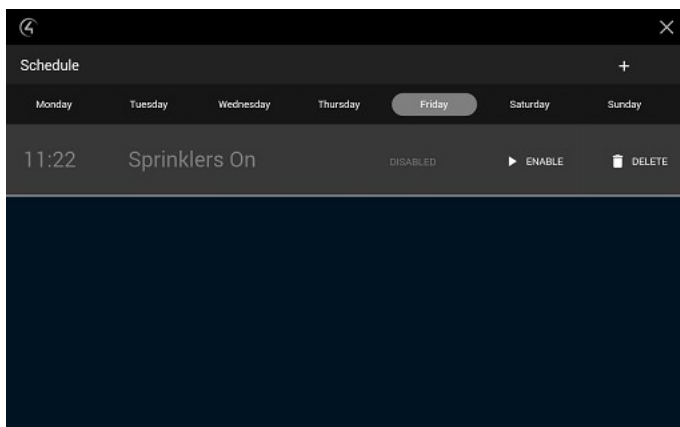
Deleting a schedule

Deleting a schedule will remove a schedule from the scheduler. This is permanent. You can re-add a schedule easily by following the Adding a schedule step.

1. Select the day you want
2. Click on the DELETE button next to the schedule you want to disable.



3. It will now prompt you for confirmation. Tap the CONFIRM DELETE button if you are sure.
Congratulations you have deleted a schedule



FAQ

Can you give us some examples of how we could use this driver?

- Customers finally have the ability to add schedules to their Control4 system without using Composer Home Edition.
 - Setup a schedule for your sprinklers
 - Setup a schedule for commercial (opening hours, closing hours, etc)
 - Schedule those lights to turn on/off at different times
 - Schedule fireplaces, fans and other devices to turn on when you want to.
 - Schedule pool pumps to clean the pool
 - Schedule fountains and other water features.

Why should I use this over Composer Home Edition?

This is not a replacement for Composer Home Edition. Not all end users want to learn how to program their system using Composer Home Edition. Our scheduler will allow them to easily manage scheduling for anything connected to Control4 via the Control4 touchscreens or mobile devices.

What hardware will this work on?

- Works on all T3 & T4 touchscreens. (OS 2.9.0 and above)
- Works with iOS and Android devices (OS 3.1.3 and above)

I want to try this driver out before buying it?

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

Help. My scheduler app isn't updating with new schedules / presets on my T3 Touchscreen!

If you are using the "legacy" scheduler interface, you must exit the scheduler app and launch it again from your navigator. This is because the scheduler obtains the schedules and presets at app launch.

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.

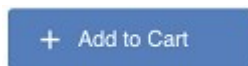
1. Navigate to the login page of Chowmain website: [Chowmain - Login](#)
2. Sign in using credentials provided after sign up request approval
3. Ensure you are logged into the website using website's header: registration and sign up buttons are replaced with cart icon and user icon



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](#)

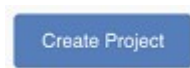
- If the controller has been replaced and the license needs to be transferred to a new controller you can do so yourself via the website

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

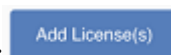
NOTE: Driver must already be purchased and a Project Code must be created as per above 'Create Chowmain Project and obtain Project Code' section

1. Navigate to [Chowmain Software - Projects](#). Click the *Project Name* you wish to assign the driver to

Project Name	Project Code	Licensed	Showroom	Platform
100	XXXXXX			
101	XXXXXX			

Rows per page: 15 1-2 of 2

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



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

Add Drivers to Project

Project #XXXXXX:
Project Name Example

☒

1 available

☒

1 available

☐

1 available

☐

1 available

☐

1 available

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*

	Driver Name	Version	License	Health	Autoupdate	Logging Approved	Log Level
☐ ▾			licensed	-	false	-	-
☐ ▾			licensed	-	false	-	-

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.

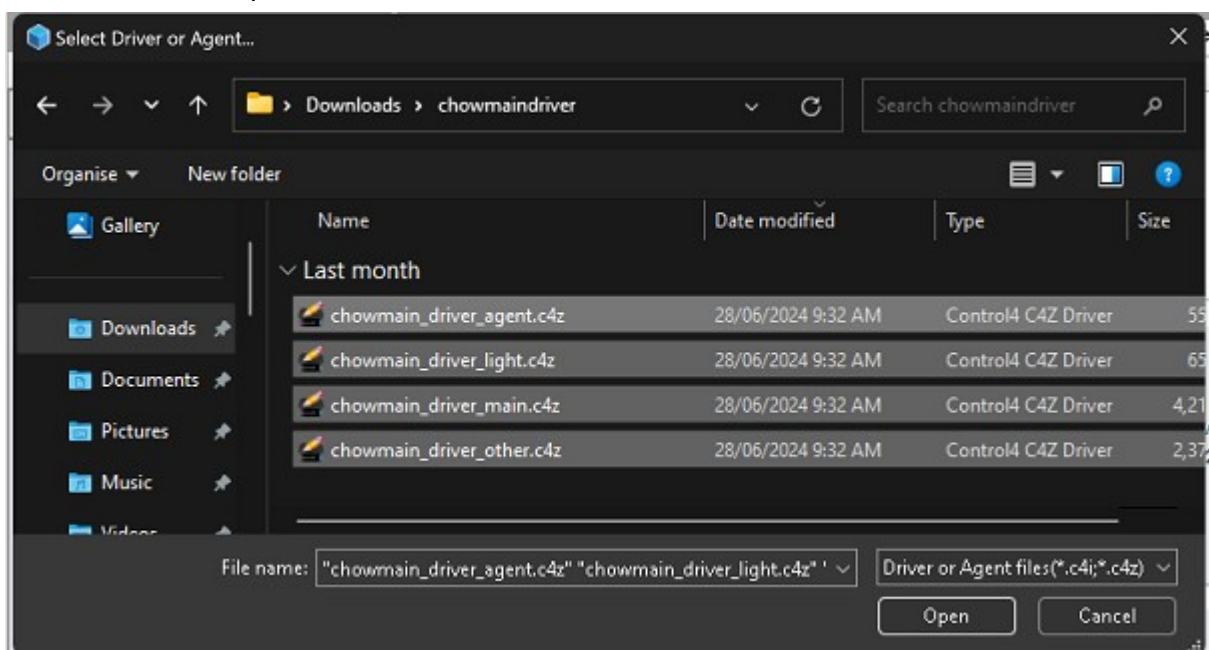
1. Visit: <https://chowmain.software>
2. Search and locate your driver, and click into the details by clicking the picture or heading.
3. Select Download. And extract the contents of the downloaded Zip file to a temporary directory



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

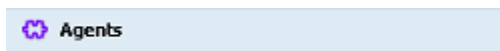
1. Download Chowmain Project Agent From the [Chowmain Project Agent Page](#)
2. Open Project In Composer Pro. Composer Express does not Support Agents and cannot be used
3. Navigate to the *Driver=>Add Or Update Driver Or Agent* menu item



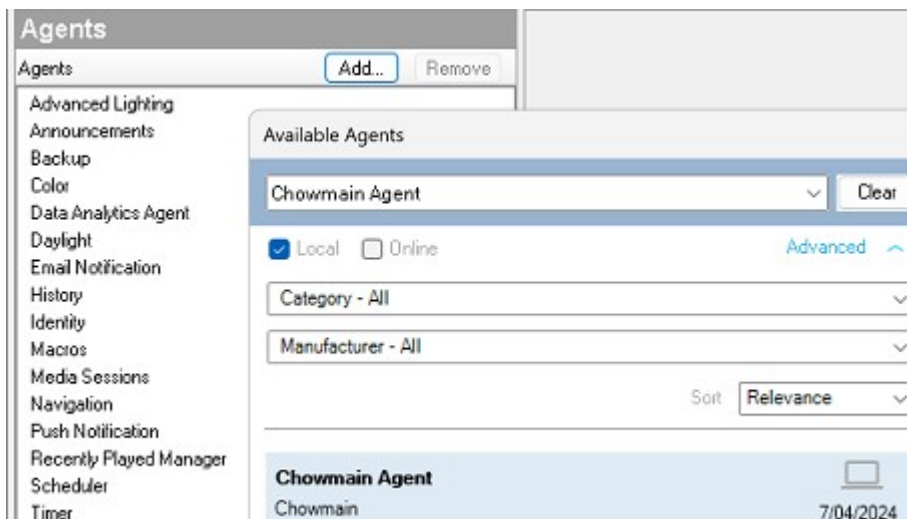
4. Add the *agent_chowmain.c4z* file



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

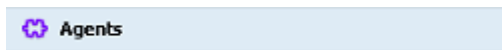


7. *Chowmain Agent* should be listed in the project.



Link Project Code to Control4 Project

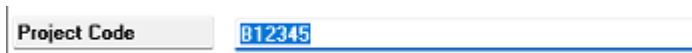
1. Ensure *Chowmain Agent* is installed on primary Control4 Controller. If not, follow the previous information
2. Navigate to the Agents View in Composer Pro



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?

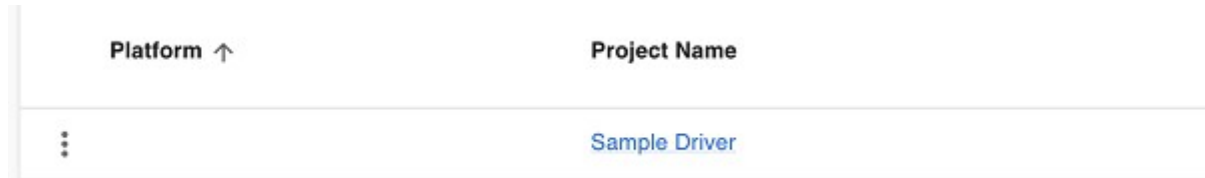
- There are multiple ways:

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

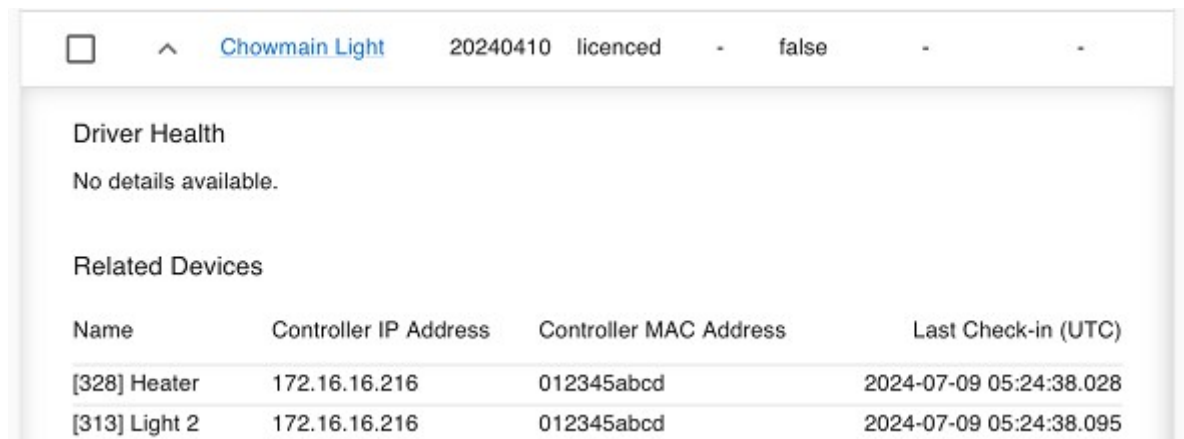


2. If the *Project Code* has been correctly entered in Chowmain Project Agent and the project is registered, you can find the list of Chowmain-licensed drivers deployed on your controller using the Chowmain website.

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 July 2024 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 20240912 - 12-SEP-2024

- Improve Licencing

Version 20240820 - 20-AUG-2024

- Improve Licencing

Version 20240806 - 06-AUG-2024

- Support for Chowmain Licencing
- Improved Troubleshooting
- Performance Improvements

Version #20230919 - 19-SEP-2023

- Further Controller CPU and Memory Optimisations
- Fix Issue with Schedules containing apostrophes - Thanks Melbourne Vision And Sound

Version #20230818 - 18-AUG-2023

- Memory and other optimisations
- Improve Diagnostic information

Version #20230609 - 09-JUN-2023

- Backend Improvements
- Add New Action: Display Schedule Info which shows when Schedules last ran and when they are scheduled

Version #20221208 - 08-DEC-2022

- Upgrade to new Diagnostics system with Submit Diagnostics, and automatic troubleshooting

Version #20220901 - 01-SEP-2022

- Improved Troubleshooting and Diagnostics
- Improve Locale Support
- Low Level Optimisations for OS3. Requires Controller reboot to take effect - Thanks SnapAV
- Updated Documentation

Version #20211214– 14-DEC-2021

- Black Screen issues patch

Version #20211210 - 09-DEC-2021

- Improve display of text

Version #20211209 - 09-DEC-2021

- Add support for Mobile Webview (available for OS3.1.3+)
- Add Legacy Mode switch to disable / Enable T3 Touchscreen support
- Upgrade Backend

Version #20211119 - 19-NOV-2021

- Improve Debugging

Version #20210119 - 19-JAN-2021

- Updated to new Driver Central licensing

Version #20201002 – 02-OCT-2020

- Fixed issue affecting adding new presets after loading a backup

Version #20200506 – 05-JUN-2020

- Fixed issue affecting schedules on Sunday.

Version #20200302 – 02-MAR-2020

- Resolved issue affecting non english locales.

Version #20180603 – 03-JUN-2019

- Resolved issue affecting loading a database and adding to that loaded database.

Version #20180228 – 28-FEB-2018

- Driver will now check for new director ip address every minute. If it has changed then it will update the webview url.

Version #20170901 – 01-SEP-2017

- Added Clear Cache functionality for OS 2.10.0. This is used to reset the touchscreen's webview cache if for some reason the app isn't loading (most likely due to beta versions).

Version #20170817 - 17-AUG-2017

- Initial Release