UniFi Installation and Usage Guide

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Authors: Andrew Luecke

chowmainsoft

Contents

Overview

Chowmainsoft's UniFi driver for Control4 delivers deep integration between Control4 systems and the UniFi ecosystem of products. This driver provides support for UniFi Protect, cameras, sensors, viewport, network routers, access points, network switches, access doors and intercoms under a single licence, creating a unified and cost-effective experience for dealers and end users.

A key feature of this release is the ability to display a full history of events from UniFi Protect with accompanying image snapshots. Users can filter by camera, event type and date range, as well as review system logs. In addition, the driver introduces experimental support for NVR video playback, enabling access to recorded video directly through Control4 with audio. These features bring a new level of visibility and control by allowing both live monitoring and retrospective review of events within the same interface.

The driver includes comprehensive support for UniFi Protect cameras with live video streaming, snapshots, PTZ control, advanced detection events such as licence plate and face recognition. Support for UniFi Protect sensors extends this further with motion detection, temperature and humidity monitoring, and door open/close event tracking. UniFi Viewport integration enables HDMI video routing, custom views and temporary activations for events such as doorbell presses. Networking functionality includes full client management with the ability to block or allow access, authorise guests, display connected devices, manage hotspot vouchers, reboot network hardware, power cycle PoE ports and provide detailed device information through intuitive user interfaces. Access support enables intercom calls and door control

Our Unifi Wi-Fi Connect QR Code driver displays a scannable QR code and the SSID/password in plain text on Control4 touchscreens and the Control4 mobile apps (iOS/Android), so visitors can join in seconds—no typing required

This integration has been designed as a long-term platform. All future UniFi product integrations and enhancements will be provided as free upgrades under the same single licence, ensuring ongoing value and protecting the investment of dealers and their customers. By combining network management, access, surveillance, sensors and automation in one driver, we are empowering Control4 installations to be smarter, more reliable and more intelligent.

Unifi Protect Manager

- **Custom interface:** Provides interface to view history of events with snapshot images as well as recorded video playback (currently experimental). This interface has the ability to filter by camera, event type as well as date range as well as view System logs for the Protect system
- **Fast Provisioning**: Display Information on various Protect devices and quickly provision them
- **Automatic API Key Creation**: Auto Create API Key action can generate and store a UniFi OS API key from within the driver when login credentials are configured
- **Display Information on Unifi Protect Devices**: Display detailed information on Cameras, Live Views, Alarm Hubs, Arming Profiles, Sensors, Sirens, Link Stations, Fobs, Relays, Bridges and more in the Unifi Protect System
- **Send Custom Webhook Triggers**: Execute Custom Webhooks on the Unifi Protect system to allow deeper two-way integration with the built in alarm system
- **Arm Alarm Controls**: Set the current arm profile, then enable or disable the UniFi Protect arm alarm state from Control4 commands/actions

Unifi Protect Cameras

- **Package Camera Support**: Display live video for Package Camera
- **Live Video Streaming**: View live video streams from Unifi Protect cameras
- **Snapshot Support**: Supports Snapshots
- **Camera Controls**: Pan, tilt, and zoom controls for supported cameras
- **Snapshot Capture**: Send Notification with a snapshot of the camera view
- **Licence Plate Detection**: Display detected licence plates
- **Face Detection**: Display detected faces
- **Customisable Settings**: Create Custom settings options for each camera which can be configured for end users
- **Preset Support**: Support for Built in PTZ / Patrol Presets
- **Microphone Support**: Customise microphone volume
- **Custom Actions for Preset Support**: Create Custom Presets to allow customers quickly access and launch custom actions defined by the installer
- **Video Detection Events** including:
    - Animal Detection
    - Package Detection
    - Motion Detection
    - Face Detection (By person's name via variables or events)
    - Licence Plate Detection / Vehicle detection (with licence plate accessible via variables)
- **Audio Detection Events** including:
    - Dog Barking
    - A wide variety of Alarm Detection
    - Detect people talking
    - Car Horn

    - Glass Breaking
    - Babies crying
- **Door Intercom Support**: Various integration options for door intercoms including:
    - Custom events for doorbell presses.
    - Quickly access intercom for quick using deep links
    - Set a custom Message, Do not disturb, leave package

Unifi Protect Viewport

- **Custom MSP Driver** Custom MSP Driver with HDMI integration allows easy selection of Premade Views
- **HDMI support**: Supports connection via HDMI for video routing
- **Temporary Viewport Activation**: Allows Viewport to be temporarily selected as the room video. Perfect for activating Viewport on events like doorbell rings.

Unifi Access Intercoms

- **Set Custom Header/Subheader Message**: Provide feedback using commands to set custom header/subheader messages on the intercom
- **Set Call Button Behaviour**: Set the call button Display to hide outbound calls, change the swipe button or push and hold to trigger a inbound call
- **Intercom Anywhere**: Call Touchscreens or Mobile Devices when the ring button is pressed on the intercom
- **Automatic Configuration** Automatic Setup of UniFi SIP Server to communicate with Internal or External Control4 Communication servers

Unifi Access

- **Unlock Door**: Unlock a door from Control4 using a variety of modes
- **Emergency Modes**: Set Emergency Modes on the Unifi Access System to allow evacuations or lockdowns
- **Temporary locking Rules**: Set Temporary policies for door access
- **Display Access Information**: Display detailed information about the Unifi Access System
- **Door Locks Integration**: A wide variety of ways to integrate with door locks
- **Access Logs**: View access logs from the Unifi Access System
- **Visitor Unlock Information**: Access Door Unlock Visitor information (Visitor Name, time, unlock method) via Events and Variables

Unifi Network Site

- **Automatic API Key Creation**: Auto Create API Key action can generate and store a UniFi OS API key from within the driver when login credentials are configured
- **Block / Allow Client Access:** Block or allow client access to the network

- **Display Information on Connected Clients:** Show detailed information about connected clients
- **Display statistics and details for UniFi Network Equipment**: Get information on Unifi Network equipment
- **Hotspot Vouchers** Display Hotspot Vouchers in Composer Pro
- **Authorise / Unauthorise Guest Access**: Manage guest access to the network
- **Restart / Reboot UniFi Equipment**: Restart or reboot UniFi network devices
- **Custom Site Interface**: Custom Interface for Site Client Management
    - Block / Allow Client Access
    - Display Information on Connected Clients

Unifi WiFi Connect

- **Display QR Code**: Display a scannable QR code for easy WiFi access. Visitors can scan the code with their smartphone to quickly connect to the WiFi network without needing to type in the SSID or password.
- **Show SSID and Password**: Display the WiFi network's SSID and password in plain text on Control4 touchscreens and mobile apps (iOS/Android)

Unifi Network Router / AP / Switch

- **Control POE Ports**: Power cycle or Power On/Off POE Port on a UniFi switch to reset a device
- **Enable / Disable Port Access**: Enable or disable a port on a UniFi switch
- **Restart UniFi Device**: Reboots a UniFi Device. Useful for troubleshooting purposes
- **Display Device Information**: Show detailed information about the UniFi device
- **Custom Device Interface**: Custom Interface for Endusers
    - **Device Information**: Provide information on Unifi Equipment including firmware version, IP address, MAC address, and more
    - **Statistics**: Show basic statistics for the device including uptime, CPU usage, memory usage, and more
    - **Port control** Provides information on ports, and provide end users access to reboot ports

Unifi Network Port Control Experience Button

Provides an experience button to allow quick access to port control functions for Unifi Switches

- **Control POE Ports**: Power cycle or Power On/Off POE Ports on a UniFi switch to reset a device
- **Enable / Disable Port Access**: Enable or disable ports on a UniFi switch

Unifi Protect Sensor

- **Motion Detection**: Detect motion events and provide Contact Closure Binding
- **Temperature and Humidity Monitoring**: Monitor temperature and humidity levels
- **Door Sensor**: Monitor door open/close events

Unifi Network Setup and Configuration

Requirements

- Control4 OS 3.4.3 is the minimum required. Earlier Control4 OS Versions are not officially supported.
- T3 series touchscreens are not officially supported for UniFi Protect Interface and UniFi Network interfaces.
- Control4 Core Series Controllers, CA-10 or better is recommended for the best experience
- For UniFi Network, Version 9.3.45 Or Better is required
- UniFi system must be configured and working prior to installing this driver

Prepare API Key and Login (Protect / Network)

1. If you have already set up your Protect Controller driver with authentication details, you can use the "Copy Login Details From Protect Controller Driver" action to copy the details to the Network Controller driver, and set the Site Selected Property. Otherwise, an API key and Login must be set up on the unifi controller.
2. Due to the advanced integration requirements (for features such as full PTZ control and downloading of recordings), this driver also requires a local username / password to be set up in the unifi controller too (Multi-Factor Authentication must be disabled). The Latest Username setup information is available from: https://help.chowmain.software/portal/en/kb/articles/control4-unifi-setting-up-local-account-login-for-authentication
3. An API key must also be set up on the unifi controller. You can either:
    1. Use the "Auto Create API Key" action in the Network Controller driver (requires working Server Address, Username and Password)
    2. Create the key manually in UniFi. The latest API Key Setup information is available from: https://help.chowmain.software/portal/en/kb/articles/control4-unifi-access-set-up-api-key

Quick Setup

The UniFi Network Controller driver provides a custom interface for managing UniFi Network clients. The Network Device driver provides a custom interface for routers, switches, and access points to view device information and control ports. It is used for managing UniFi Network Devices

1. Install All of the drivers
    1. It is recommended to use Drivers => Add Or Update Driver or Agent to install the drivers
    2. Use Ctrl+A or use the mouse to install and update all C4z drivers in the Zip from the chowmain website simultaneously. Do not simply copy files into the drivers folder, as this will not copy the drivers correctly to controller (and Auto Setup may fail in some circumstances)
2. Add the UniFi Network Controller driver to Composer Pro
3. If you have already setup the login details into a Unifi Protect controller driver, you can use the "Copy Login Details From Protect Controller Driver" action to copy the details to the Network Controller driver.

4. Alternatively, if you have not set up the login details previously, you will need to:
    1. Set the Server Address (IP Address of the UniFi Network Controller)
    2. Set the Server Port (default is 443)
    3. Run the "Auto Create API Key" action, or set the API Key manually (as per the authentication section above)
    4. Set the Username and Password (as per the authentication section above)
5. The Select Site Dropdown should automatically populate with the sites available on the UniFi Controller. Select the site you wish to control
6. To Set up the UniFi Network devices quickly, use the Auto Setup action in the UniFi Network driver. This will automatically discover all UniFi Network devices on the site and add them to the project
7. Enable visibility of the devices in rooms as required under the room navigator tab.
8. If required, set the PIN number and enable features of the Interface drivers under their settings tab
9. If you wish to provide easy access to control a port, we offer an experience button for port control which can be added manually to a project
10. To allow guests to easily access WiFi, add the Unifi Network - WiFi Connect Interface driver to a project and set it up as per the instructions below

Setup QRCode for Quick WiFi Access

1. Add the Unifi Network - WiFi Connect Interface driver to Composer Pro
2. Set the Bound UniFi Network Controller property to the UniFi Network Controller driver in the project
3. The Selected WiFi Network property should automatically populate with the WiFi networks available on the UniFi Controller. Select the WiFi network you wish to display
4. Change the visibility of the interface in System Design > Room > Navigator to display the custom interface

Triggering Custom Webhooks in Control4 from UniFi Network Application

The Unifi Application can send custom webhooks to Control4 which can be used to trigger events in Control4. This is useful for two-way integration between UniFi Network and Control4 for events which are not managed directly by the driver

1. In the UniFi Network web interface, navigate to Alarm Manager

2. Select Create Alarm
3. Set the Conditions as required

4. Set Webhook as the action type, and set the Webhook URL to the Custom Webhook URL property found in the Chowmain UniFi Network Controller driver. Replace CUSTOM_WEBHOOK_NAME with a unique reference name /custom/motiontest
5. If you wish to create custom events in Control4, enable the Auto Create Events For Custom Webhooks property in the Chowmain UniFi Network Controller driver
6. The following Variables can be used for programming:
    - LAST_CUSTOM_WEBHOOK_NAME: Name of the last custom webhook received. This is the unique reference name set in step 4. Use Variables Agent to identify the correct value to track
    - LAST_CUSTOM_WEBHOOK_TIME: Time of the last custom webhook received

Driver Configuration

UniFi Network Controller

The UniFi Network Controller driver provides a custom interface for managing UniFi Network clients. The Network Device driver provides a custom interface for routers, switches, and access points to view device information and control ports. It is used for managing UniFi Network Devices

Actions

- AutoSetup Devices: Automatically discover and add all UniFi Network devices to the project
- Auto Create API Key: Creates and stores a new UniFi OS API key automatically using the configured login credentials. The generated key is displayed once in logs, then written to the API Key property.
- Client Access - Allow: Allow client access to the network
- Client Access - Block: Block client access to the network
- Copy Login Details From Protect Controller Driver: Copies the Server Address, Port, API Key, Username and Password from a UniFi Protect Controller driver in the project to speed up setup
- Display Connected Clients: Display information on connected clients
- Display Device Details: Display detailed information about UniFi devices
- Display Device Statistics: Display statistics and details for UniFi Network Equipment
- Display Devices: Display information on UniFi Network devices
- Display Diagnostics: Display Diagnostics for driver
- Display Extended Diagnostics: Runs Extended Diagnostics for driver
- Display Related Diagnostics: Displays Diagnostics for all installed UniFi drivers
- Display System Events: Displays System Events from the UniFi Network Controller
- Display Hotspot Vouchers: Display Hotspot Vouchers
- Display Sites: Display information on UniFi Network Sites
- Guest Access - Authorise: Authorise guest access to the network
- Guest Access - Unauthorise: Unauthorise guest access to the network
- Restart UniFi Device: Restart or reboot a UniFi device
- Submit Diagnostics: Submit Diagnostics for driver to Chowmain.

Commands

- Client Access - Block: Block client access to the network
- Client Access - Allow: Allow client access to the network
- Guest Access - Authorise: Authorise guest access to the network
- Guest Access - Unauthorise: Unauthorise guest access to the network
- Restart/Reboot UniFi Device: Restart or reboot a UniFi device

Properties

- Cloud Status: Displays the licencing status for Chowmain Licencing
- Driver Version: Displays the version of the driver
- Automatic Updates: Automatically updates the driver when a new version is available. Requires Chowmain Agent to be correctly configured
- Control4 MAC Address: Displays the Control4 MAC address
- Debug Mode: Enables debug mode for the driver. This will log additional information
- Debug Level: Sets the debug level for the driver. Higher levels log more information
- Error Reporting: Enables error reporting for the driver. This will log errors to Chowmain. By default, production versions of drivers will not report errors to Chowmain. Beta drivers will report errors to Chowmain

Driver Information

- Server Address: Sets the IP Address for the UniFi Network Controller
- Server Port: Sets the port for the UniFi Network Controller. Default is 443
- Username: Sets the username for the UniFi Network Controller. As created in the authentication quick start guide
- Password: Sets the password for the UniFi Network Controller. As created in the authentication quick start guide
- API Key: Sets the API Key for the UniFi Network Controller. As created in the authentication quick start guide
- API Type: Specifies if the API used is the UniFi OS or UniFi API
- Poll Rate (Seconds): Sets the poll rate for the driver. This is how often the driver will poll the UniFi Network Controller for updates
- API Connection Status: Displays the connection status of the driver to UniFi Network Controller using API Key
- Login Connection Status: Displays the connection status of the driver to UniFi Network Controller using Username / Password
- Select Site: Selects the site to control. This will automatically populate with the sites available on the UniFi Network Controller
- Site Selected: Displays the site selected for the driver
- Site Selected Name: Displays the name of the site selected for the driver
- Default AutoSetup Room: Sets the default room for the AutoSetup action. This is the room where the UniFi Network devices will be added to

- Provisioned Network Devices: Displays the number of physical UniFi Network devices that have been provisioned in the project
- Provisioned C4 Network Drivers: Displays the number of UniFi Network drivers that have been provisioned in the project.

UniFI Network Details:

- Application Version: Displays the version of the UniFi Network Controller application

Custom Webhooks:

- Auto Create Events For Custom Webhooks: Automatically creates events for custom webhooks received from the UniFi Access Controller
- Custom Webhook URL: Provides the Webhook URL used to receive custom webhooks from the UniFi Access Controller
- Last Custom Webhook Name: Displays the name of the last custom webhook received from the UniFi Access Controller
- Last Custom Webhook Time: Displays the time of the last custom webhook received from the UniFi Access Controller

Interface:

- Interface - PIN Number: Sets the PIN number for the UniFi Network Controller interface. This is used to lock the interface in the Control4 App
- Interface - Show Clients: Enables the display of the clients page in the custom interface

UniFi Network Device

The UniFi Network Device driver provides a custom interface for routers, switches, and access points to view device information and control ports. It is used for managing UniFi Network Devices

Actions

- Control Port Access - This enables or Disables a Port on a UniFi Switch. *Please note, if you accidentally disable a port for core network equipment, you may lose communications entirely and be unable to turn it back on. For that reason, it is recommended to only use Power Cycle POE Port*
- Control POE Port Power: Permanently turns on/off POE power. *Please note, if you accidentally turn off the power for core network equipment, you may lose communications entirely and be unable to turn it back on. For that reason, it is recommended to only use Power Cycle POE Port*
- Display Device Details: Display detailed information about the UniFi device
- Display Device Statistics: Display statistics and details for UniFi Network Equipment
- Display Diagnostics: Display Diagnostics for driver
- Display Extended Diagnostics: Runs Extended Diagnostics for driver
- Display Related Diagnostics: Displays Diagnostics for all installed UniFi drivers
- Power Cycle POE Port: Power cycle a POE Port on a UniFi switch to reset a device

- Restart UniFi Device: Restart or reboot a UniFi device
- Submit Diagnostics: Submit Diagnostics for driver to Chowmain.

Commands

- Control POE Port Power: Permanently turns on/off POE power. *Please note, if you accidentally turn off the power for core network equipment, you may lose communications entirely and be unable to turn it back on. For that reason, it is recommended to only use Power Cycle POE Port*
- Restart UniFi Device: Restart or reboot a UniFi device
- Power Cycle POE Port: Power cycle a POE Port on a UniFi switch to reset a device

Properties

- Cloud Status: Displays the licencing status for Chowmain Licencing
- Driver Version: Displays the version of the driver
- Automatic Updates: Automatically updates the driver when a new version is available. Requires Chowmain Agent to be correctly configured
- Control4 MAC Address: Displays the Control4 MAC address
- Debug Mode: Enables debug mode for the driver. This will log additional information
- Debug Level: Sets the debug level for the driver. Higher levels log more information
- Error Reporting: Enables error reporting for the driver. This will log errors to Chowmain. By default, production versions of drivers will not report errors to Chowmain. Beta drivers will report errors to Chowmain

Driver Information

- Device Address Selection: Sets the address selection for the UniFi Network Device. This is used for provisioning. It is strongly recommended to use Automatic
- Select Device From List: Selects the device from the list of available devices. This is used for provisioning.
- Device ID Selected: Displays the device ID selected for the driver
- Device ID: Used for Manual Provisioning. This is the ID of the device to control
- Auto Rename Device: Automatically renames the device based on the device name. This is used for provisioning

UniFi Information

- Poll Rate (Seconds): Sets the poll rate for the driver. This is how often the driver will poll the UniFi Network Device for updates
- Connected State: Displays the connected state of the device to UniFi Network
- Provisioning Date: Displays the date the device was provisioned in the project
- UniFi Support: Display UniFi Support information for the device
- Name: Shows the name of the device.
- IP Address: Shows the IP address of the device
- MAC Address: Shows the MAC address of the device.

- Model: Shows the model of the device.
- Firmware: Shows the firmware version of the device.
- Features: Shows the features of the device.

Interface

- Interface - Icon: Sets the icon for the UniFi Network Device. This is used to display the device in the Control4 App. Auto will automatically select the icon based on the device type
- Interface - PIN Number: Sets the PIN number for the UniFi Network Device interface. This is used to lock the interface in the Control4 App
- Interface - Show Ports: Enables the display of the ports page in the custom interface
- Interface - Show Statistics: Enables the display of the statistics page in the custom interface

Unifi Network Port Control Experience Button

This experience button can be added to a project to provide quick access to port control for a UniFi switch port/ports.

Actions

- Display Control Logs: Displays the control logs for the experience button
- Display Diagnostics: Display Diagnostics for driver
- Display Extended Diagnostics: Runs Extended Diagnostics for driver
- Display Related Diagnostics: Displays Diagnostics for all installed UniFi drivers
- Submit Diagnostics: Submit Diagnostics for driver to Chowmain.

Commands

No Commands are available. Use Network Device Commands to control ports if command control is required

Properties

- Cloud Status: Displays the licencing status for Chowmain Licencing
- Driver Version: Displays the version of the driver
- Automatic Updates: Automatically updates the driver when a new version is available. Requires Chowmain Agent to be correctly configured
- Control4 MAC Address: Displays the Control4 MAC address
- Debug Mode: Enables debug mode for the driver. This will log additional information
- Debug Level: Sets the debug level for the driver. Higher levels log more information
- Error Reporting: Enables error reporting for the driver. This will log errors to Chowmain. By default, production versions of drivers will not report errors to Chowmain. Beta drivers will report errors to Chowmain

Driver Information

- Bound UniFi Network Device: Selects the UniFi Network Device to control. This is required for the experience button to work

- Ports To Control: Sets the ports to control on the UniFi Network Device. This is required for the experience button to work. You can either specify a single port, or a comma separated list of ports (eg 1,2,3)
- Default Action: Sets the default action for the experience button. This is the action that will be performed when the button is pressed

Unifi Network - WiFi Connect Interface

The Unifi Network Wifi Connect driver provides a custom interface for displaying WiFi login information to end users. This includes displaying a QR code for easy access, as well as displaying the SSID and password in plain text

Actions

- Display Diagnostics: Display Diagnostics for driver
- Display Extended Diagnostics: Runs Extended Diagnostics for driver
- Display Related Diagnostics: Displays Diagnostics for all installed UniFi drivers
- Refresh WiFi Information: Refreshes the WiFi information from the UniFi Network Driver. This is normally updated on a regular basis and normally isn't required
- Submit Diagnostics: Submit Diagnostics for driver to Chowmain.

Commands

No Commands are available

Properties

- Cloud Status: Displays the licencing status for Chowmain Licencing
- Driver Version: Displays the version of the driver
- Automatic Updates: Automatically updates the driver when a new version is available. Requires Chowmain Agent
- Control4 MAC Address: Displays the Control4 MAC address
- Debug Mode: Enables debug mode for the driver. This will log additional information
- Debug Level: Sets the debug level for the driver. Higher levels log more information
- Error Reporting: Enables error reporting for the driver. This will log errors to Chowmain. By default, production versions of drivers will not report errors to Chowmain. Beta drivers will report errors to Chowmain

Driver Information

- Bound UniFi Network Controller: Selects the UniFi Network Controller to use. This is required for the driver to work
- Selected WiFi Network: Selects the WiFi network to display. This modifies what credentials the driver will display

UniFi Protect Setup and Configuration

Requirements

- Control4 OS 3.4.3 is the minimum required. Earlier Control4 OS Versions are not officially supported.
- T3 series touchscreens are not officially supported for UniFi Protect. Visual artifacts on T3 touchscreens when viewing Cameras has been reported
- Control4 Core Series Controllers, CA-10 or better is recommended for the best experience
- For UniFi Protect, Version 46.0.53 Or Better is required
- UniFi system must be configured and working prior to installing this driver
- Stacked NVR's are not supported, and are strongly discouraged by Ubiquiti. More Information regarding Stacked NVR's can be found on our Knowledge Base
- If you are using the V1 Unifi Access/Protect Intercom driver, remove the driver. This driver is no longer supported and has been replaced with the V2 driver which utilises access fully instead
- Audio Recording for Video cameras in some localities may be illegal. It is recommended that installers check local laws / discuss with home owners and permanently disable the cameras microphones if required. This can only be done via the UniFi protect Web interface

PLEASE NOTE: THE UNIFI PROTECT INTERFACE TO VIEW RECORDINGS IS EXPERIMENTAL. IT IS RECOMMENDED INSTALLERS TEST THE FEATURE BEFORE INSTALLATION

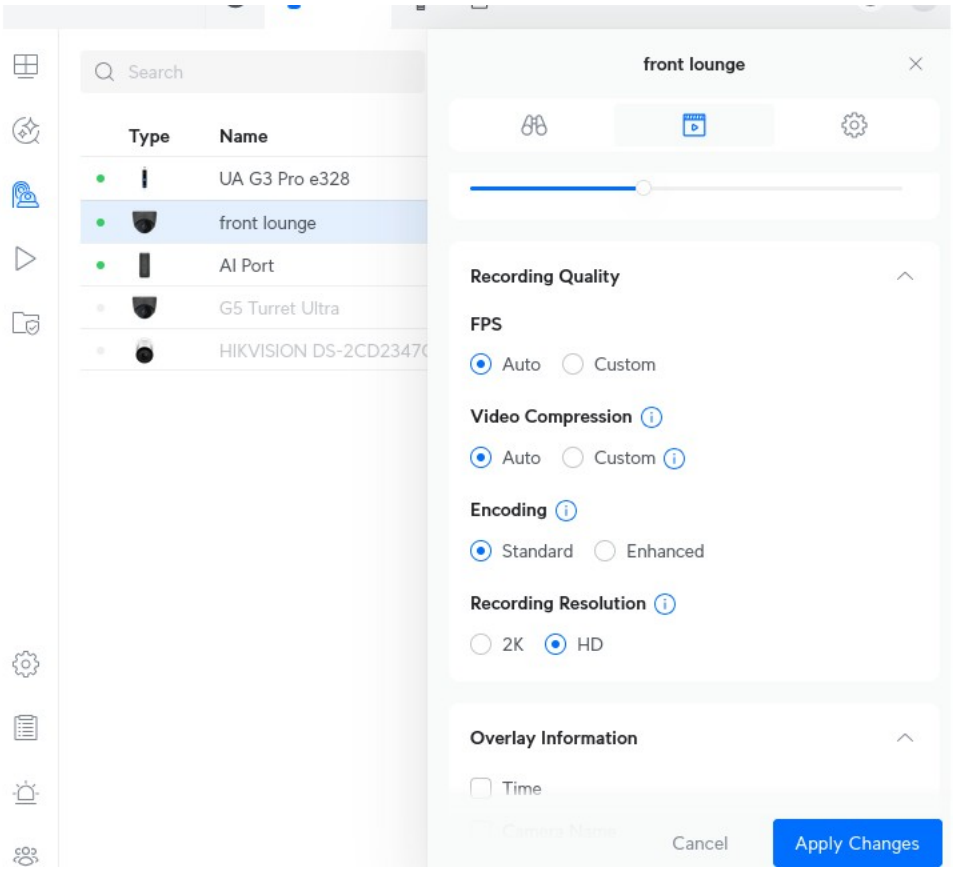
Prepare API Key and Login (Protect / Network)

1. If you have already set up your Network Controller driver with authentication details, you can use the "Copy Login Details From Network Controller Driver" action to copy the Server / Login details to the Protect Controller driver.
2. Due to the advanced integration requirements (for features such as full PTZ control and downloading of recordings), this driver also requires a local username / password to be set up in the unifi controller too (Multi-Factor Authentication must be disabled). The Latest Username setup information is available from: https://help.chowmain.software/portal/en/kb/articles/control4-unifi-setting-up-local-account-login-for-authentication
3. An API key must also be set up on the unifi controller. You can either:
    1. Use the "Auto Create API Key" action in the Network Controller driver (requires working Server Address, Username and Password)
    2. Create the key manually in UniFi. The latest API Key Setup information is available from: https://help.chowmain.software/portal/en/kb/articles/control4-unifi-access-set-up-api-key

Quick Setup

The UniFi Protect driver provides a custom interface for managing UniFi Protect Recordings, cameras, sensors, and viewports. Intercoms are also set up via UniFi Protect. **PLEASE NOTE: THE UNIFI PROTECT INTERFACE TO VIEW RECORDINGS IS EXPERIMENTAL AND MAY NOT WORK ON ALL UNIFI PROTECT SYSTEMS. HD RECORDING RESOLUTION ONLY IS RECOMMENDED**

1. Install all of the drivers
    1. It is recommended to use Drivers => Add Or Update Driver or Agent to install the drivers
    2. Use Ctrl+A or use the mouse to install and update all C4z drivers in the Zip from the chowmain website simultaneously. Do not simply copy files into the drivers folder, as this will not copy the drivers correctly to controller (and Auto Setup may fail in some circumstances)
2. Add the UniFi Protect Driver to Composer Pro
3. If you have already setup the login details into a Unifi network controller driver, you can use the "Copy Login Details From Network Controller Driver" action to copy the details to the Protect Controller driver.
4. Alternatively, if you have not set up the login details previously, you will need to:
    1. Set the Server Address (IP Address of the UniFi Protect NVR / Controller)
    2. Set the Server Port (default is 443)
    3. Set the Username and Password (as per the authentication section above)
    4. Run the "Auto Create API Key" action, or set the API Key manually (as per the authentication section above)
5. If required, set the PIN number and enable features of the Protect Custom inteface. By default, downloading of recordings is disabled and can be enabled under properties
6. To Set up all cameras quickly, use the Auto Setup action in the UniFi Protect driver. This will automatically discover all UniFi Protect Cameras and add them to the project
7. Enable visibility of the devices in rooms as required under the room navigator tab.
8. It is recommended for cameras to use standard encoding instead of enhanced recording. To set this, use UniFi Protect > Devices > Recording Settings and change the encoding to Standard. It is also recommended to enable HD recording for best compatibility

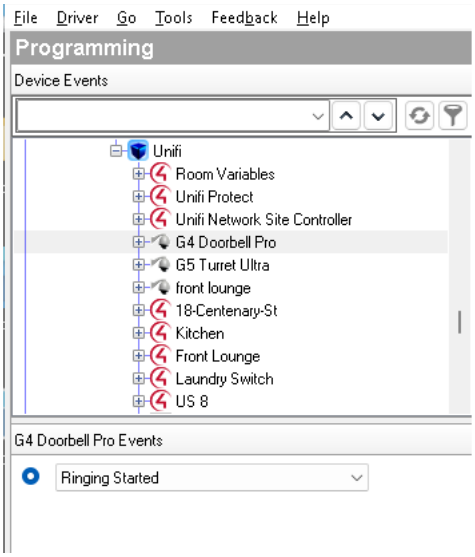


9. To add Package Camera display, add the camera driver to the project manually, create the bindings, select the device, and change the Primary Video Stream to Package

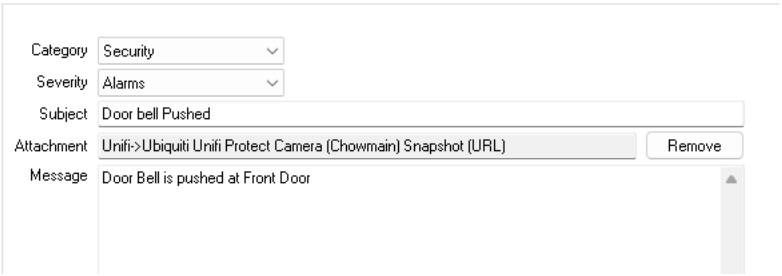
Integration of UniFi Protect Doorbells

UniFi Protect Doorbells do not provide an API we can currently use to directly integrate using the Intercom interface. UniFi Intercoms however do support the ability to make calls. However:

1. In programming in Composer Pro you can utilise the *Ringing Started / Stopped* Events to trigger door bell sounds on your Audio system as required or / and send notifications to the user.



2. Notifications provide deep links for the user to quickly access the doorbell camera. These can be triggered by events. To create these. In Agents > Push Notifications, create a new notification. Under attachment, select the Snapshot URL of the camera. When the notification is clicked, it will open the doorbell camera in the UniFi Protect app.



3. If the system includes a UniFi Protect Viewport, you can utilise the *Set View* and *Set Room To Viewport Temporarily* actions to temporarily display the doorbell view on TV when the doorbell rings
4. Various commands are provided to allow installers to create custom actions for the doorbell. These include:
    - **Set Message**: Set the message on the doorbell screen
    - **Do Not Disturb**: Set the doorbell to do not disturb mode
    - **Leave Package**: Set the doorbell to leave package mode
5. Due to the inability to enable the two-way Intercom proxy to be used, our driver provides the ability for installers to create custom presets and settings instead which can be used to quickly perform

traditional actions such as unlocking the door, changing the message on the screen or turning on lights. Or, presets/settings can be used to customise variables to change the behavior of the doorbell.

- To do so, use Custom Presets in properties to create new custom presets.
- Or, use the Settings Categories and Settings to create new custom settings. which can be accessed via the settings menu on the camera interface

Setting up Package Camera (Protect)

There are two options to set up a Package Camera:

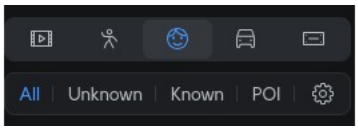
1. From the existing Main camera driver, use the "Auto Setup Package Camera" to automatically create a new camera driver, set the primary video stream to package and rename the camera accordingly
2. Or, add a new camera, Select Device From List and select Package as the Primary Video Stream

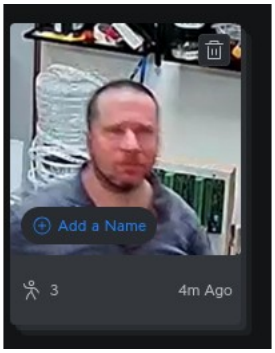
Face Detection (Protect)

For Face detection to work correctly:

1. Faces must be named in the UniFi Protect application.
2. Additional AI capabilities may be required. For existing cameras, an AI Port can be added and paired to add these capabilities.

To configure face detection events (protect):

1. In the UniFi Protect Application, navigate to Find Anything 
2. Select Faces and the settings gear icon below it 

3. Add a Name for the face. 

4. Detections should now operate correctly.

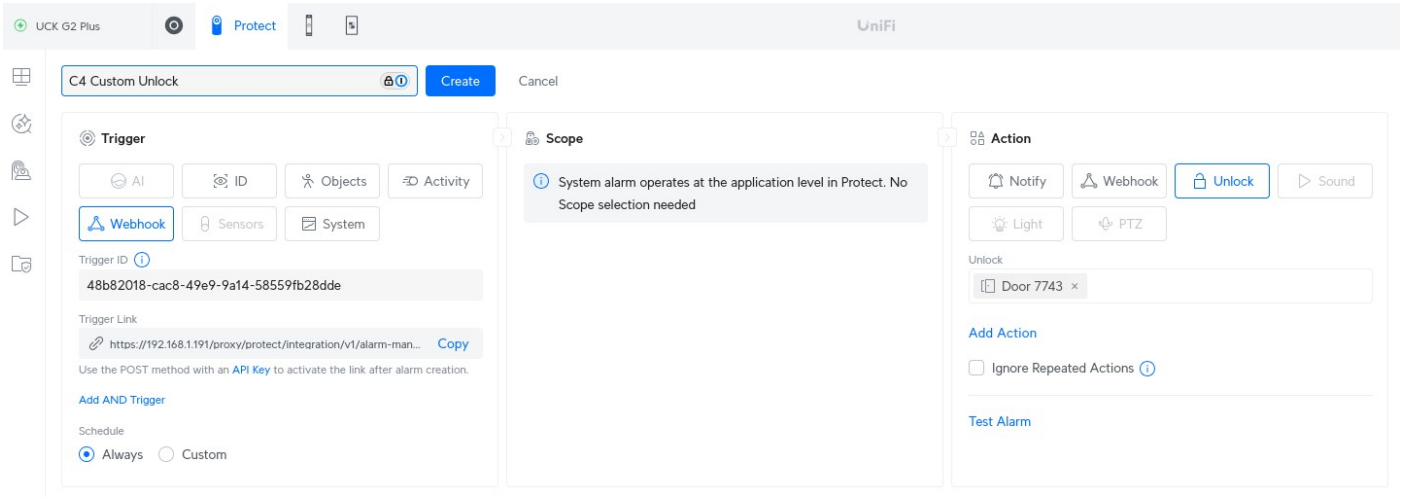
If no faces are found, ensure the camera is capable of face detection or an AI port is paired to the camera

Triggering Custom Webhooks on UniFi Protect Application

Custom Webhooks can be created in the UniFi Protect Application, which Control4 can trigger. This enables Control4 to use actions and commands to trigger custom actions/commands in the UniFi Protect interface such as unlocking, adding custom events or triggering lights

1. In the UniFi Protect web interface, navigate to Alarm Manager

2. Select Create Alarm
3. Set Webhook as the trigger type, set the action for the webhook, and record the Trigger ID



4. In Control4, in the Chowmain UniFi Protect, either use the Trigger Alarm Webhook Action, or command, and set the Trigger ID to the ID created in the UniFi Protect application
5. Test

Triggering Custom Webhooks in Control4 from UniFi Protect Application

The Unifi Application can send custom webhooks to Control4 which can be used to trigger events in Control4. This is useful for two-way integration between UniFi Protect and Control4 for events which are not managed directly by the driver

1. In the UniFi Protect web interface, navigate to Alarm Manager

2. Select Create Alarm
3. Set the Conditions as required

4. Set Webhook as the action type, and set the Webhook URL to the Custom Webhook URL property found in the Chowmain UniFi Protect Controller driver. Replace CUSTOM_WEBHOOK_NAME with a unique reference name /custom/motiontest
5. If you wish to create custom events in Control4, enable the Auto Create Events For Custom Webhooks property in the Chowmain UniFi Protect Controller driver
6. The following Variables can be used for programming:
    - LAST_CUSTOM_WEBHOOK_NAME: Name of the last custom webhook received. This is the unique reference name set in step 4. Use Variables Agent to identify the correct value to track
    - LAST_CUSTOM_WEBHOOK_TIME: Time of the last custom webhook received

Driver Configuration

UniFi Protect

The UniFi Protect Driver manages UniFi Protect devices and provides a custom interface for managing UniFi Protect Recordings, cameras, sensors, and viewports. **PLEASE NOTE: THE UNIFI PROTECT INTERFACE TO VIEW RECORDINGS IS EXPERIMENTAL AND MAY NOT WORK ON ALL UNIFI PROTECT SYSTEMS**

Actions

- AutoSetup Devices: Automatically discover and add all Handled UniFi Protect devices to the project
- Auto Create API Key: Creates and stores a new UniFi OS API key automatically using the configured login credentials. The generated key is displayed once in logs, then written to the API Key property.
- Copy Login Details From Network Controller Driver: Copies the Server Address, Port, API Key, Username and Password from a UniFi Network Controller driver in the project to speed up setup
- Disable Arm Alarm: Disable the UniFi Protect arm alarm feature
- Display All Cameras: Display information on all UniFi Protect Cameras
- Display All Chimes: Display information on all UniFi Protect Chimes
- Display All Lights: Display information on all UniFi Protect Lights
- Display All Live Views: Display information on all UniFi Protect Live Views. Live Views are used for UniFi Protect Viewports
- Display All Alarm Hubs: Display information on all UniFi Protect Alarm Hubs
- Display All Arming Profiles: Display information on all UniFi Protect Arming Profiles
- Display All Link Stations: Display information on all UniFi Protect Link Stations
- Display All Sensors: Display information on all UniFi Protect Sensors
- Display All Fobs: Display information on all UniFi Protect Fobs
- Display All Sirens: Display information on all UniFi Protect Sirens
- Test Siren: Trigger a 5 second siren test on a selected UniFi Protect Siren, with configurable volume
- Display All Viewers: Display information on all UniFi Protect Viewers / Viewports
- Display All Relays: Display information on all UniFi Protect Relays
- Display All Bridges: Display information on all UniFi Protect Bridges
- Display Diagnostics: Display Diagnostics for driver
- Display Extended Diagnostics: Runs Extended Diagnostics for driver

- Display NVR Details: Display detailed information about the UniFi Protect NVR
- Display Related Diagnostics: Displays Diagnostics for all installed UniFi drivers
- Enable Arm Alarm: Enable the UniFi Protect arm alarm feature using the currently selected arm profile
- Set Current Arm Profile: Set the current UniFi Protect arm profile used by Enable Arm Alarm
- Set Viewport View: Set the view for the UniFi Protect Viewport. This is used to display a specific live view on the viewport
- Submit Diagnostics: Submit Diagnostics for driver to Chowmain.
- Trigger Alarm Webhook: Trigger a custom webhook on the UniFi Protect system. This is used for two-way integration with the built-in alarm system to trigger an event on the UniFi Protect system

Commands

- Disable Arm Alarm: Disable the UniFi Protect arm alarm feature
- Enable Arm Alarm: Enable the UniFi Protect arm alarm feature using the currently selected arm profile
- Set Current Arm Profile: Set the current UniFi Protect arm profile used by Enable Arm Alarm
- Set Viewport View: Set the view for the UniFi Protect Viewport. This is used to display a specific live view on the viewport
- Trigger Alarm Webhook: Trigger a custom webhook on the UniFi Protect system. This is used for two-way integration with the built-in alarm system to trigger an event on the UniFi Protect system
- Play Siren: Activate a selected UniFi Protect Siren for a specified duration in seconds
- Stop Siren: Stop an active UniFi Protect Siren immediately

Properties

- Cloud Status: Displays the licencing status for Chowmain Licencing
- Driver Version: Displays the version of the driver
- Automatic Updates: Automatically updates the driver when a new version is available. Requires Chowmain Agent to be correctly configured
- Control4 MAC Address: Displays the Control4 MAC address
- Debug Mode: Enables debug mode for the driver. This will log additional information
- Debug Level: Sets the debug level for the driver. Higher levels log more information
- Error Reporting: Enables error reporting for the driver. This will log errors to Chowmain. By default, production versions of drivers will not report errors to Chowmain. Beta drivers will report errors to Chowmain

Driver Information

- Server Address: Sets the IP Address for the UniFi Protect NVR
- Server Port: Sets the port for the UniFi Protect NVR. Default is 443
- Username: Sets the username for the UniFi Protect NVR. As created in the authentication quick start guide

- Password: Sets the password for the UniFi Protect NVR. As created in the authentication quick start guide
- API Key: Sets the API Key for the UniFi Protect NVR. As created in the authentication quick start guide
- API Type: Specifies if the API used is the UniFi OS or UniFi API
- Poll Rate (Seconds): Sets the poll rate for the driver. This is how often the driver will poll the UniFi Protect NVR for updates
- API Connection Status: Displays the connection status of the driver to UniFi Network Controller using API Key
- Login Connection Status: Displays the connection status of the driver to UniFi Network Controller using Username / Password
- Default AutoSetup Room: Sets the default room for the AutoSetup action. This is the room where the UniFi Protect devices will be added to
- Provisioned Protect Devices: Displays the number of physical UniFi Protect devices that have been provisioned in the project
- Provisioned C4 Protect Drivers: Displays the number of UniFi Protect drivers that have been provisioned in the project.
- Auto-Sync Feedback Event Webhook: This is for advanced users only. This enables users to enable or disable the automatic syncing of the webhook we use to receive protect device feedback events. Disabling this is not recommended, and many events such as Doorbell ringing, motion detection and AI events may not operate correctly if disabled

UniFi Protect Details:

- Application Version: Displays the version of the UniFi Protect NVR application

Custom Webhooks:

- Auto Create Events For Custom Webhooks: Automatically creates events for custom webhooks received from the UniFi Access Controller
- Custom Webhook URL: Provides the Webhook URL used to receive custom webhooks from the UniFi Access Controller
- Last Custom Webhook Name: Displays the name of the last custom webhook received from the UniFi Access Controller
- Last Custom Webhook Time: Displays the time of the last custom webhook received from the UniFi Access Controller

Interface:

- Interface - Show Thumbnails: Enables the display of all thumbnails in the custom interface. Not recommended for memory constrained devices
- Interface - Support Video Viewing: **EXPERIMENTAL** Enables the support for video viewing in the UniFi Protect interface. This is required for viewing live video streams and snapshots

- Interface - PIN Number: Sets the PIN number for the UniFi Protect interface. This is used to lock the interface in the Control4 App
- Interface - Show Logs: Enables the display of the system logs page in the custom interface
- Interface - Show Events: Enables the display of the events page in the custom interface

UniFi Protect Camera

The UniFi Protect Camera driver provides integration for UniFi Protect cameras

Actions

- Autosetup Package Camera: Automatically add a package camera to the project. This will create a new camera driver and set the primary video stream to package
- Display Camera Info: Display detailed information on the camera
- Display Custom Presets: Display Custom Presets for the camera configured by the installer
- Display Custom Settings: Display Custom Settings for the camera configured by the installer
- Display Diagnostics: Display Diagnostics for driver
- Display Extended Diagnostics: Runs Extended Diagnostics for driver
- Display Events: Displays Events from the camera such as motion, ringing, face detection and licence plate detection
- Display Related Diagnostics: Displays Diagnostics for all installed UniFi drivers
- Run Custom Setting: Run a custom setting for the camera configured by the installer
- Run Preset: Run a preset for the camera
- Set Display - Custom Message: Set a custom message on the display. This is used for doorbells to set a message on the screen
- Set Display - Do Not Disturb: Set the display to do not disturb mode. This is used for doorbells to set the display to do not disturb mode
- Set Display - Image: Set the display to show an image. This is used for doorbells to set the display to show an image
- Set Display - Leave Package: Set the display to leave package mode. This is used for doorbells to set the display to leave package mode
- Set Display - Reset To Default: Reset the display to default mode. This is used for doorbells to reset the display to default mode
- Set HDR Type: Set the HDR type for the camera. This is used to set the HDR type for the camera
- Set LED Enabled: Set the LED enabled state for the camera. This is used to enable or disable the LED on the camera
- Set Microphone Volume: Set the microphone volume for the camera. This is used to set the microphone volume for the camera. Please note, to mute the microphone, the UniFi Protect interface must be used
- Set Video Mode: Set the video mode for the camera. This is used to set the video mode for the camera.
- Submit Diagnostics: Submit Diagnostics for driver to Chowmain.

Commands

- Run Custom Setting: Run a custom setting for the camera configured by the installer
- Run Preset: Run a preset for the camera
- Set Display - Custom Message: Set a custom message on the display. This is used for doorbells to set a message on the screen
- Set Display - Do Not Disturb: Set the display to do not disturb mode. This is used for doorbells to set the display to do not disturb mode
- Set Display - Leave Package: Set the display to leave package mode. This is used for doorbells to set the display to leave package mode
- Set Display - Reset To Default: Reset the display to default mode. This is used for doorbells to reset the display to default mode
- Set LED Enabled: Set the LED enabled state for the camera. This is used to enable or disable the LED on the camera
- Set Microphone Volume: Set the microphone volume for the camera. This is used to set the microphone volume for the camera. Please note, to mute the microphone, the UniFi Protect interface must be used
- Set Video Mode: Set the video mode for the camera. This is used to set the video mode for the camera.

Properties

- Cloud Status: Displays the licencing status for Chowmain Licencing
- Driver Version: Displays the version of the driver
- Automatic Updates: Automatically updates the driver when a new version is available. Requires Chowmain Agent to be correctly configured
- Control4 MAC Address: Displays the Control4 MAC address
- Debug Mode: Enables debug mode for the driver. This will log additional information
- Debug Level: Sets the debug level for the driver. Higher levels log more information
- Error Reporting: Enables error reporting for the driver. This will log errors to Chowmain. By default, production versions of drivers will not report errors to Chowmain. Beta drivers will report errors to Chowmain

Driver Information

- Device Address Selection: Sets the address selection for the UniFi Protect Camera. This is used for provisioning. It is strongly recommended to use Automatic
- Select Device From List: Selects the device from the list of available devices. This is used for provisioning.
- Device ID Selected: Displays the device ID selected for the driver
- Device ID: Used for Manual Provisioning. This is the ID of the device to control
- Auto Rename Device: Automatically renames the device based on the device name. This is used for provisioning
- Auto Rename Format: Only used if Auto Rename Device is enabled. This changes the format the name of the camera is renamed to

- Poll Rate (Seconds): Sets the poll rate for the driver. This is how often the driver will poll the UniFi Protect Camera for updates

Camera Controls

- Primary Video Stream: Sets the primary Video stream of the camera. Generally useful to switch to package stream.
- Pan / Tilt Speed: Sets the pan / tilt speed for the camera.
- Zoom Speed: Sets the zoom speed for the camera.
- Show PTZ Controls: Enables the display of the PTZ controls in the interface. Auto is recommended for most cameras. This will automatically show presets too if supported
- Show Zoom Controls: Enables the display of the zoom controls in the interface. Auto is recommended for most cameras. This will automatically show presets too if supported

Camera States

- Connected State: Displays the connected state of the camera to UniFi Protect
- Name: Shows the name of the camera
- Microphone Enabled: Shows if the microphone is enabled on the camera
- Microphone Volume: Shows the microphone volume of the camera
- LED Enabled: Shows if the LED is enabled on the camera
- Active Patrol ID: Shows the active patrol ID for the camera.
- Video Mode: Shows the video mode for the camera.
- HDR Mode: Shows the HDR mode for the camera.

On Screen Display

- Name Enabled: Shows whether the name is shown on the OSD
- Date Enabled: Shows whether the date is shown on the OSD
- Logo Enabled: Shows whether the logo is shown on the OSD
- Debug Info Enabled: Shows whether the debug info is shown on the OSD

LCD Message

- Message Type: Shows the type of message displayed on the Display. Mainly used for doorbells
- Message Expiry: Sets the expiry time for the message displayed on the Display. Mainly used for doorbells
- Message Text: Sets the text for the message displayed on the Display. Mainly used for doorbells

Events

- Last Event: Shows the last detection on the camera. This includes motion, audio, object and face detections
- Auto Create Events for Faces: Automatically creates events for faces detected by the camera. For Faces to correctly work, they must be named in the UniFi Protect application
- Last Face Detected: Shows the last face detected by the camera. For Faces to correctly work, they must be named in the UniFi Protect application
- Last Licence Plate Detected: Shows the last licence plate detected by the camera.
- Event Relay State: Whether the motion, audio, intercom and smart detection relay bindings should be normal, or inverted

Presets

- Show PTZ Patrol Presets: Enables the display of the PTZ patrol presets in the interface.
- Customer Custom Preset Create: Customises if customers can create custom presets.
- Customer Custom Preset Deletion: Customises if customers can delete custom presets.
- Customer Custom Preset Rename: Customises if customers can rename custom presets. Please note, this may break events and programming if the preset is renamed

Custom Presets

- Select Preset: Selects the preset to modify
- Preset ID: Displays the ID of the preset
- Preset Name: Customise the name of the preset
- Remove Preset: Removes the preset from the custom Presets

Settings Categories

- Select Category: Selects the category to modify. Or create a new category
- Category ID: Displays the ID of the category
- Category Name: Customise the name of the category
- Category Display Type: Sets the display type for the category. This is used to group settings together in the interface
- Category Sort Order: Sets the sort order for the category. This is used to order the categories in the interface
- Category Visibility: Sets the visibility of the category in the interface. This is used to hide or show categories in the interface
- Remove Category: Removes the category from the custom settings

Settings Actions

- Select Setting: Selects the setting to modify. Or create a new setting
- Setting ID: Displays the ID of the setting
- Bind To Category: Binds the setting to a category.
- Setting Name: Customise the name of the setting

- Setting Sort Order: Sets the sort order for the setting. This is used to order the settings in the interface
- Setting Visibility: Sets the visibility of the setting in the interface.
- Remove Setting: Removes the setting from the custom settings

UniFi Protect Sensor

The UniFi Protect Sensor driver provides integration for UniFi Protect Sensors.

Actions

- Display Sensor Info: Display detailed information on the sensor
- Display Diagnostics: Display Diagnostics for driver
- Display Extended Diagnostics: Runs Extended Diagnostics for driver
- Display Related Diagnostics: Displays Diagnostics for all installed UniFi drivers
- Submit Diagnostics: Submit Diagnostics for driver to Chowmain.

Commands

This driver does not currently provide any commands

Properties

- Cloud Status: Displays the licencing status for Chowmain Licencing
- Driver Version: Displays the version of the driver
- Automatic Updates: Automatically updates the driver when a new version is available. Requires Chowmain Agent to be correctly configured
- Control4 MAC Address: Displays the Control4 MAC address
- Debug Mode: Enables debug mode for the driver. This will log additional information
- Debug Level: Sets the debug level for the driver. Higher levels log more information
- Error Reporting: Enables error reporting for the driver. This will log errors to Chowmain. By default, production versions of drivers will not report errors to Chowmain. Beta drivers will report errors to Chowmain

Driver Information

- Device Address Selection: Sets the address selection for the UniFi Protect Sensor. This is used for provisioning. It is strongly recommended to use Automatic
- Select Device From List: Selects the device from the list of available devices. This is used for provisioning.
- Device ID Selected: Displays the device ID selected for the driver
- Device ID: Used for Manual Provisioning. This is the ID of the device to control
- Auto Rename Device: Automatically renames the device based on the device name. This is used for provisioning

Device States

- Connected State: Displays the connected state of the sensor to UniFi Protect
- Name: Shows the name of the sensor
- Battery Status: Shows the battery status of the sensor
- Ambient Light Value: Shows the ambient light value of the sensor
- Humidity Value: Shows the humidity value of the sensor
- Temperature Value: Shows the temperature value of the sensor
- Last Motion Detected: Shows the last motion detected by the sensor
- Motion Detection Status: Shows the motion detection status of the sensor
- Door Open Status: Shows the door open status of the sensor

UniFi Protect Viewport

The UniFi Protect Viewport driver provides integration for UniFi Protect Viewport devices

Actions

- Display All Live Views: Displays detailed information on the views available on the viewport
- Display Diagnostics: Display Diagnostics for driver
- Display Extended Diagnostics: Runs Extended Diagnostics for driver
- Display Related Diagnostics: Displays Diagnostics for all installed UniFi drivers
- Set View: Set the view for the UniFi Protect Viewport. This is used to display a specific live view on the viewport
- Submit Diagnostics: Submit Diagnostics for driver to Chowmain.

Commands

- Set View: Set the view for the UniFi Protect Viewport. This is used to display a specific live view on the viewport
- Set Room To Viewport Temporarily: Set the room to the viewport temporarily. This is used to display the viewport in a specific room temporarily. Useful for events such as doorbell rings

** Properties**

- Cloud Status: Displays the licencing status for Chowmain Licencing
- Driver Version: Displays the version of the driver
- Automatic Updates: Automatically updates the driver when a new version is available. Requires Chowmain Agent to be correctly configured
- Control4 MAC Address: Displays the Control4 MAC address
- Debug Mode: Enables debug mode for the driver. This will log additional information
- Debug Level: Sets the debug level for the driver. Higher levels log more information
- Error Reporting: Enables error reporting for the driver. This will log errors to Chowmain. By default, production versions of drivers will not report errors to Chowmain. Beta drivers will report errors to Chowmain

Driver Information

- Device Address Selection: Sets the address selection for the UniFi Protect Viewport. This is used for provisioning. It is strongly recommended to use Automatic
- Select Device From List: Selects the device from the list of available devices. This is used for provisioning.
- Device ID Selected: Displays the device ID selected for the driver
- Device ID: Used for Manual Provisioning. This is the ID of the device to control
- Auto Rename Device: Automatically renames the device based on the device name. This is used for provisioning

Viewport States

- Connected State: Displays the connected state of the viewport to UniFi Protect
- Name: Shows the name of the viewport
- View Selected: Displays the view selected for the viewport
- Stream Limit: Displays the stream limit for the viewport

Unifi Access Setup and Configuration

Requirements

- Control4 OS 3.4.3 is the minimum required. Earlier Control4 OS Versions are not officially supported.
- T3 series touchscreens are not officially supported for UniFi Protect Interface and UniFi Network interfaces.
- Control4 Core Series Controllers, CA-10 or better is recommended for the best experience
- For UniFi Access, Version 3.4.31 Or Better is required
- UniFi system must be configured and working prior to installing this driver
- If you are using the V1 Unifi Access/Protect Intercom driver, remove the driver. This driver is no longer supported and has been replaced with the V2 driver which utilises access fully instead

Prepare API Key and Login

Access doesn't use the same API Key as Protect/Network.

1. The latest API Key Setup information is available from: https://help.chowmain.software/portal/en/kb/articles/control4-unifi-access-set-up-api-key
2. Due to the advanced integration requirements (for features such as auto configuration of SIP Intercoms), this driver requires a local username / password to be set up in the unifi controller similar to Protect/Network (Multi-Factor Authentication must be disabled). The Latest Username setup information is available from: https://help.chowmain.software/portal/en/kb/articles/control4-unifi-setting-up-local-account-login-for-authentication

Quick Setup

The UniFi access integration enables basic control of doors and intercoms.

1. Install all of the drivers
    1. It is recommended to use Drivers => Add Or Update Driver or Agent to install the drivers
    2. Use Ctrl+A or use the mouse to install and update all C4z drivers in the Zip from the chowmain website simultaneously. Do not simply copy files into the drivers folder, as this will not copy the drivers correctly to controller (and Auto Setup may fail in some circumstances)
2. Add The UniFi Access driver to composer Pro
3. Set the Server Address and Port
4. Set the API Key (as per the access authentication section above). This is different to the key for network/protect
5. Set the local Username and Password (as per the access authentication section above)
6. To Set up all intercoms quickly, use the Auto Setup action in the UniFi Access driver. This will automatically discover all UniFi Access Intercoms and add them to the project. Please note, this will reconfigure the intercom SIP Settings.
7. For Door control, you may require the Relay Door Controller driver, and to bind it to the relay binding

8. For more advanced control, the cameras can also be added to Protect as seperate drivers
9. Customise the sip settings if required. By default, we use an internal communications server with a random login, and the intercom should start working automatically without any further configuration within a few minutes
10. If you wish calls to operate using video, you will need to set up the alternate camera. More info is in: https://help.chowmain.software/portal/en/kb/articles/control4-unifi-intercom-does-not-provide-video
11. For calling, you must also have an active Control4 4Sight / Connect subscription for the account.
12. To access the custom interfaces, you will need to enable visibility in navigator using System Design > Room > Navigator.

Integration of UniFi Protect Doorbells

UniFi Protect Doorbells are integrated via the UniFi Protect Driver and is not compatible with the Intercom interface/SIP. Please refer to UniFi Protect documentation for alternative options for setup and configuration of the doorbell.

Triggering Custom Webhooks in Control4 from UniFi Access Application

The Unifi Application can send custom webhooks to Control4 which can be used to trigger events in Control4. This is useful for two-way integration between UniFi Access and Control4 for events which are not managed directly by the driver

1. In the UniFi Access web interface, navigate to Alarm Manager

2. Select Create Alarm
3. Set the Conditions as required
4. Set Webhook as the action type, and set the Webhook URL to the Custom Webhook URL property found in the Chowmain UniFi Access Controller driver. Replace CUSTOM_WEBHOOK_NAME with a unique reference name /custom/motiontest
5. If you wish to create custom events in Control4, enable the Auto Create Events For Custom Webhooks property in the Chowmain UniFi Access Controller driver
6. The following Variables can be used for programming:
    - LAST_CUSTOM_WEBHOOK_NAME: Name of the last custom webhook received. This is the unique reference name set in step 4. Use Variables Agent to identify the correct value to track
    - LAST_CUSTOM_WEBHOOK_TIME: Time of the last custom webhook received

Programming against Unlock Attempts and Visitor Detection

The Latest information is available from: https://help.chowmain.software/portal/en/kb/articles/control4-unifi-access-how-to-program-visitors-users-unlock-attempts-for-access-door-locks

Driver Configuration

UniFi Access Controller

The UniFi Access Controller driver provides integration for UniFi Access systems. This driver is required for intercoms and door control.

Actions

- AutoSetup Devices: Auto Setup all UniFi Access devices on the controller
- Display Device Directory: Displays a list of the known Access Devices
- Display Diagnostics: Display Diagnostics for driver
- Display Door Directory: Displays a list of the known Access Doors
- Display Extended Diagnostics: Runs Extended Diagnostics for driver
- Display Related Diagnostics: Displays Diagnostics for all installed UniFi drivers
- Display User Directory: Displays a list of the known Access Users
- Display User Group Directory: Displays a list of the known Access User Groups
- Display Visitor Directory: Displays a list of the known Access Visitors
- Set Emergency: Set Emergency mode on the Access System. This forces the doors to either stay locked, or unlocked
- Set Temporary Locking Rule: Set a temporary locking rule for a door, such as locking early, locking now or remaining unlocked for a period of time
- Submit Diagnostics: Submit Diagnostics for driver to Chowmain. Only send if requested by Chowmain
- Timed Temporary Unlock: Set a temporary unlock for a door for a specified period of time
- Unlock Door: Unlock a door using default settings

Commands

- Set Emergency: Sets the emergency mode for the access system. This is used to set whether the doors are locked or unlocked in an emergency
- Set Temporary Locking Rule: Set a temporary locking rule for a door, such as locking early, locking now or remaining unlocked for a period of time
- Timed Temporary Unlock: Set a temporary unlock for a door for a specified period of time
- Unlock Door: Unlock a door using default settings

Properties

- Cloud Status: Displays the licencing status for Chowmain Licencing
- Driver Version: Displays the version of the driver

- Automatic Updates: Automatically updates the driver when a new version is available. Requires Chowmain Agent
- Control4 MAC Address: Displays the Control4 MAC address
- Debug Mode: Enables debug mode for the driver. This will log additional information
- Debug Level: Sets the debug level for the driver. Higher levels log more information
- Error Reporting: Enables error reporting for the driver. This will log errors to Chowmain. By default, production versions of drivers will not report errors to Chowmain. Beta drivers will report errors to Chowmain

Driver Information

- Server Address: Sets the address of the UniFi Access Controller.
- Server Port: Sets the port of the UniFi Access Controller. Default is 443
- Username: Sets the username to use for authentication to the UniFi Access Controller
- Password: Sets the password to use for authentication to the UniFi Access Controller
- API Key: Sets the API key to use for authentication to the UniFi Access Controller. This is different to Protect / Network
- API Connection Status: Displays the status of the API connection to the UniFi Access Controller.
- Login Connection Status: Displays the status of the login/credential-based connection to the UniFi Access Controller.
- Default Autosetup Room: Sets the default room to use to auto add devices in when using AutoSetup
- Provisioned Access Devices: Displays the number of access devices which have been provisioned in the project
- Provisioned C4 Access Drivers: Displays the number of access drivers which have been provisioned in the project. Some may be duplicate for the same device

Custom Webhooks:

- Auto Create Events For Custom Webhooks: Automatically creates events for custom webhooks received from the UniFi Access Controller
- Custom Webhook URL: Provides the Webhook URL used to receive custom webhooks from the UniFi Access Controller
- Last Custom Webhook Name: Displays the name of the last custom webhook received from the UniFi Access Controller
- Last Custom Webhook Time: Displays the time of the last custom webhook received from the UniFi Access Controller

Interface

- Interface - PIN Number: Sets the interface PIN number to use to protect door access. This is used when unlocking doors via PIN
- Interface - Show System Logs: Whether to show system logs in the interface

UniFi Access / Protect Intercom V1

This driver has been redesigned, is deprecated and is no longer supported.

- It is strongly recommended to delete this driver and switch to the UniFi Access V2 Intercom driver

UniFi Access Door

The UniFi Door driver provides bindings for control of UniFi Door Controllers. This driver can be bound to a relay door controllers or other drivers to provide door control.

Actions

- Auto Add Door Lock Driver: Automatically adds a Relay Door Controller driver and binds it to the door lock relay binding
- Display Door Info: Display detailed information on the Door
- Display Diagnostics: Display Diagnostics for driver
- Display Extended Diagnostics: Runs Extended Diagnostics for driver
- Display Related Diagnostics: Displays Diagnostics for all installed UniFi drivers
- Lock: Locks the door using the setting In Lock Behavior Property
- Remote Unlock: Unlocks the door to let someone in
- Set Temporary Locking Rule: Set a temporary locking rule for a door, such as locking early, locking now or remaining unlocked for a period of time
- Submit Diagnostics: Submit Diagnostics for driver to Chowmain.
- Timed Temporary Unlock: Set a temporary unlock for a door for a specified period of minutes
- Unlock Door: Unlocks the door using the setting in Unlock Behavior Property

Commands

- Set Intercom - Call Method: Set the call method for the intercom. This is used to set how the intercom will make calls
- Set Intercom - Header: Set the header for the intercom. This is used to set the header text on the intercom screen
- Set Intercom - Subheader: Set the subheader for the intercom. This is used to set the subheader text on the intercom screen

Properties

- Cloud Status: Displays the licencing status for Chowmain Licencing
- Driver Version: Displays the version of the driver
- Automatic Updates: Automatically updates the driver when a new version is available. Requires Chowmain Agent to be correctly configured
- Control4 MAC Address: Displays the Control4 MAC address
- Debug Mode: Enables debug mode for the driver. This will log additional information
- Debug Level: Sets the debug level for the driver. Higher levels log more information

- Error Reporting: Enables error reporting for the driver. This will log errors to Chowmain. By default, production versions of drivers will not report errors to Chowmain. Beta drivers will report errors to Chowmain

Driver Information

- Device Address Selection: Sets the address selection for the UniFi Protect Camera. This is used for provisioning. It is strongly recommended to use Automatic
- Select Device From List: Selects the device from the list of available devices. This is used for provisioning.
- Device ID Selected: Displays the device ID selected for the driver
- Device ID: Used for Manual Provisioning. This is the ID of the device to control
- Auto Rename Device: Automatically renames the device based on the device name. This is used for provisioning
- Auto Rename Format: Only used if Auto Rename Device is enabled. This changes the format the name of the camera is renamed to

Locking Behavior

- Toggle Behavior: Sets whether the lock behavior toggles the lock state using the discrete settings, or performs a remote unlock
- Lock Behavior: Sets the lock behavior for the door when the Lock action is used
- Unlock Behavior: Sets the unlock behavior for the door when the Unlock action is used

Device States

- Name: Shows the name of the camera
- Device Type: Shows the type of device
- Full Name: Full name of the door device
- Door Lock Relay Status: Shows the status of the door lock relay
- Door Position Status: Shows the position status of the door if Door Position Sensor is installed
- Floor ID: Shows the floor ID the door is located on
- Device Bound To Hub: Shows whether the door is connected to a hub

Interface:

- Interface - PIN Number: Sets the interface PIN number to use to protect the door interface in Control4
- Interface - Show Logs: Whether to show the Logs menu item in the custom interface

UniFi Access Intercom V2

The UniFi intercom driver provides integration for UniFi Intercoms. Please note, G4 Doorbells do not offer the support required for intercom functionality. UniFi Access is also required on the same UniFi device for intercom to work correctly.

Inbound calls to the intercom is not supported at this time:
https://help.chowmain.software/portal/en/kb/articles/control4-unifi-calling-from-control4-to-unifi-intercom-does-not-work

For Video to operate correctly, the alternate camera must be set up. More info is in:
https://help.chowmain.software/portal/en/kb/articles/control4-unifi-intercom-does-not-provide-video

Please note, this driver will overwrite the SIP settings on the intercom

Actions

- Display Intercom Info: Display detailed information on the Intercom
- Display Diagnostics: Display Diagnostics for driver
- Display Extended Diagnostics: Runs Extended Diagnostics for driver
- Display Related Diagnostics: Displays Diagnostics for all installed UniFi drivers
- Submit Diagnostics: Submit Diagnostics for driver to Chowmain.
- Sync UniFi SIP Settings: Manually updates the UniFi SIP Settings to connect to Control4. Please note, this will overwrite any custom SIP settings on the intercom
- Update Call Groups: Forces a lookup of updated Call groups from the controller
- Update SIP Settings: Forces a settings update for SIP in Control4

Commands

- Set Intercom - Call Method: Set the call method for the intercom. This is used to set how the intercom will make calls
- Set Intercom - Header: Set the header for the intercom. This is used to set the header text on the intercom screen
- Set Intercom - Subheader: Set the subheader for the intercom. This is used to set the subheader text on the intercom screen

Properties

- Cloud Status: Displays the licencing status for Chowmain Licencing
- Driver Version: Displays the version of the driver
- Automatic Updates: Automatically updates the driver when a new version is available. Requires Chowmain Agent to be correctly configured
- Control4 MAC Address: Displays the Control4 MAC address
- Debug Mode: Enables debug mode for the driver. This will log additional information
- Debug Level: Sets the debug level for the driver. Higher levels log more information
- Error Reporting: Enables error reporting for the driver. This will log errors to Chowmain. By default, production versions of drivers will not report errors to Chowmain. Beta drivers will report errors to Chowmain

Driver Information

- Device Address Selection: Sets the address selection for the UniFi Protect Camera. This is used for provisioning. It is strongly recommended to use Automatic
- Select Device From List: Selects the device from the list of available devices. This is used for provisioning.
- Device ID Selected: Displays the device ID selected for the driver
- Device ID: Used for Manual Provisioning. This is the ID of the device to control
- Auto Rename Device: Automatically renames the device based on the device name. This is used for provisioning
- Auto Rename Format: Only used if Auto Rename Device is enabled. This changes the format the name of the camera is renamed to

Control4 Communications Server

- Auto Sync UniFi SIP Settings: Automatically syncs the UniFi SIP settings as required. Please note, when enabled, this will overwrite any custom SIP settings on the intercom
- Communications Server: Sets the Control4 Communications Server to use for intercom calls. Whether it is Internal, or External
- SIP Transport: Sets the SIP transport to use for intercom calls. Default is TCP. Control4 supports TCP and UDP, but TCP is recommended
- SIP Server IP Address: Only used for External Communications Server. This is the IP Address of the SIP server to use for intercom calls
- SIP Server Port: This is the port of the SIP server to use for intercom calls. Default is 5060. Control4 TCP can be 5060 (recommended) or 5080
- SIP Username: Username used on the server for communications. If using the internal server, this is auto generated
- SIP Password: Password used on the server for communications. If using the internal server, this is auto generated
- Group To Call: Sets the group to call when the intercom is rung. This is used to set which group of devices will ring when the intercom is rung

Intercom States

- Name: Shows the name of the camera

FAQ

What are the Requirements for this driver?

- Control4 OS 3.4.3 is the minimum required. Earlier Control4 OS Versions are not officially supported.
- Control4 Core Series Controllers, CA-10 or better is recommended for the best experience
- For UniFi Network, Version 9.3.45 Or Better is required
- For UniFi Protect, Version 46.0.53 Or Better is required
- For UniFi Access, Version 3.4.31 Or Better is required
- UniFi hardware must be configured and working prior to installing this driver
- T5 Touchscreens are recommended for the best experience. Visual artifacts on T3 touchscreens when viewing Cameras has been reported. For that reason, T3 touchscreens are not recommended or officially supported with UniFi.

What UniFi products do you support?

- UniFi Access Points
- UniFi Switches
- UniFi Routers including UDM, UDM Pro and UDR
- UniFi All-In-One Protect Sensor (UP-SENSE)
- UniFi Cameras
  UniFi NVR
- UniFi G4 Doorbell Pro (No intercom Functionality, Live camera View and Doorbell push)
- UniFi Intercom (Call Control4, Custom Buttons, Control Header/Subheader/Call Button Behaviour)
- UniFi Protect Viewport
- UniFi Access Door Controller

The UniFi Video Application is NOT supported, and must be upgraded to UniFi Protect

Why is this product so exciting?

- View and control your cameras within the control4 touchscreens and applications. Expose camera smart events including facial recognition and number plate recognition.
- Display a full history of events from UniFi Protect with accompanying image snapshots. Users can filter by camera, event type and date range, as well as review system logs. In addition, the driver introduces experimental support for NVR video playback, enabling access to recorded video directly through Control4
- View UniFi device states as well as reboot POE devices remotely with ease
- Manage connected clients on the network
- Integrate with UniFi Sensors for motion detection, temperature and humidity monitoring, and door opening / closing
- View Intercom calls on Control4 touchscreens and mobile devices
- Unlock doors from Control4

- Provide one click access for customers to control a network port quickly via experience button
- Provide an easy way for visitors to connect to your WiFi network by scanning a QR Code.

Will you add support for XYZ UniFi product?

All future UniFi product integrations and enhancements will be provided as free upgrades under the same single licence, ensuring ongoing value and protecting the investment of dealers and their customers.

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

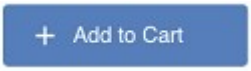
To Purchase drivers

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

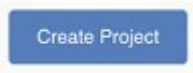
Note:

- 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*:

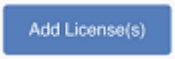


4. Complete the details for the Project (*Project Name*, *Customer Name*, *Control System*)
5. Upon completion, take note of the **Project Code**. This is required to link the Control System to the newly created project

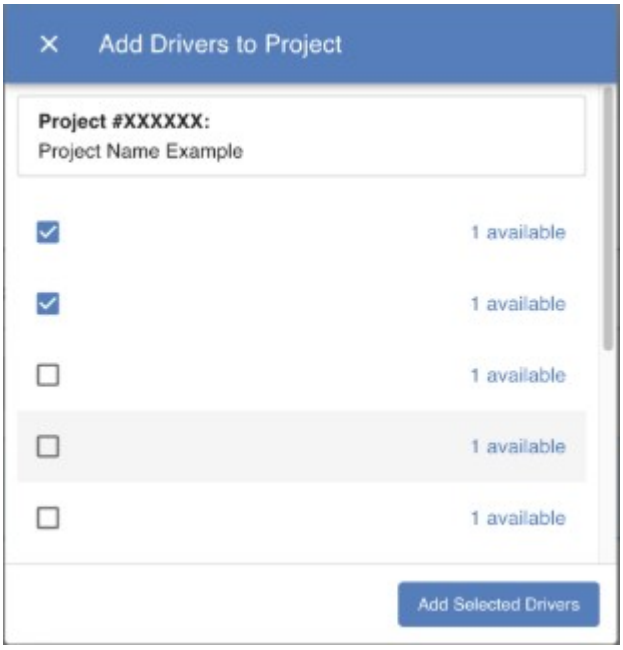
To Assign purchased drivers to Project

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:

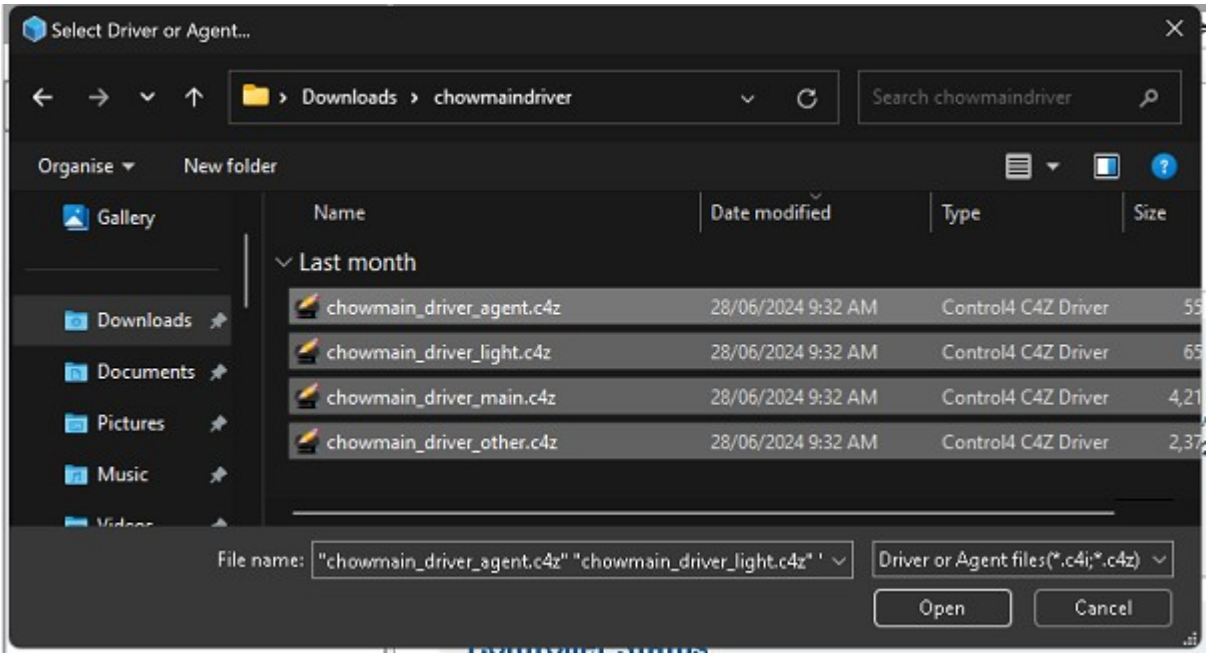
NOTE: Licensed Chowmain drivers come with a complimentary 90-day trial period. To license the driver, installation of the Chowmain Project Agent is required. The Project Agent is also required for automatic driver updates. Throughout the 90-day trial period, Chowmain Drivers operate without any limitations.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



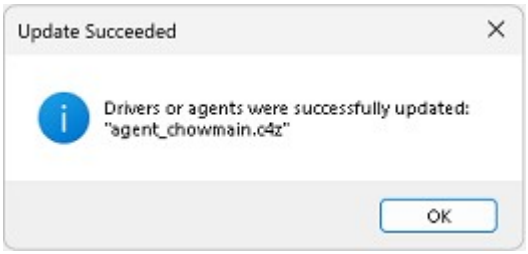
6. Install drivers as per normal. Please note, some drivers may be agents, and you must use the Agents tab in Control4 to install the driver. Composer Express does not support Agents, and Composer pro is recommended for all installers.

Install Chowmain Agent

Installation of the Chowmain Agent is required to licence drivers

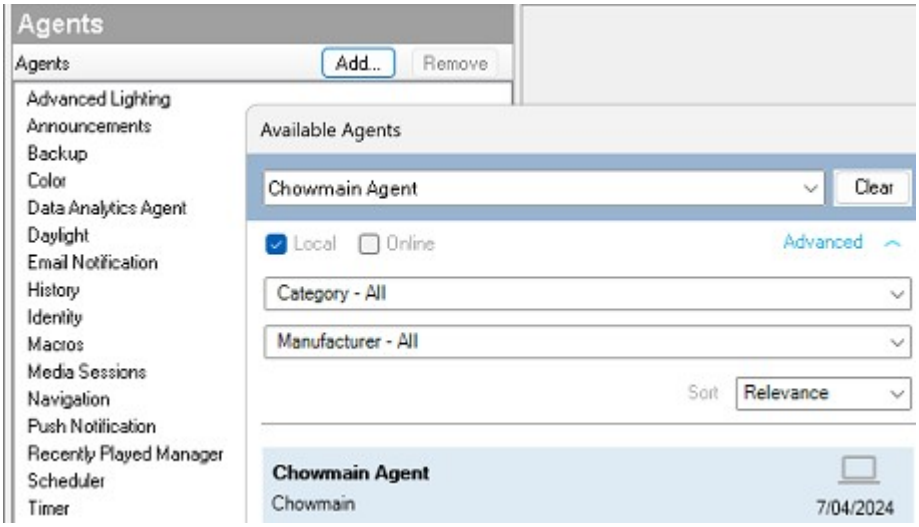
1. Download Chowmain Project Agent From the [Chowmain Project Agent Page]
2. Open Project In Composer Pro. Composer Express does not Support Agents and cannot be used
3. Navigate to the *Driver=>Add Or Update Driver Or Agent* menu item

4. Add the *agent_chowmain.c4z* file

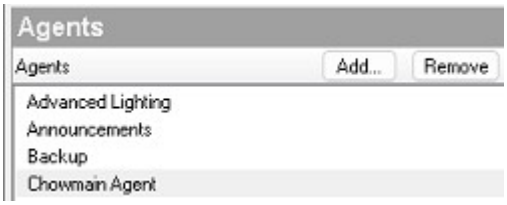


5. Navigate to the Agents View in Composer Pro

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



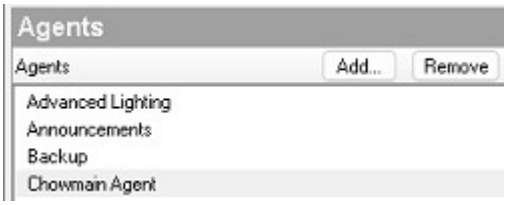
7. *Chowmain Agent* should be listed in the project.



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?

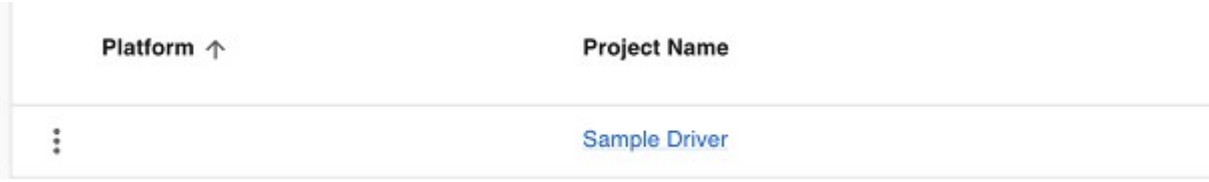
- Driver trials do not require Agent to be installed.
- To activate licenced drivers, *Chowmain Project Agent* must be installed.
- Composer Pro 3.1.3 or later is required to install and configure *Chowmain Project Agent*
- Internet is required during the licence registration process.
- If Internet is 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?

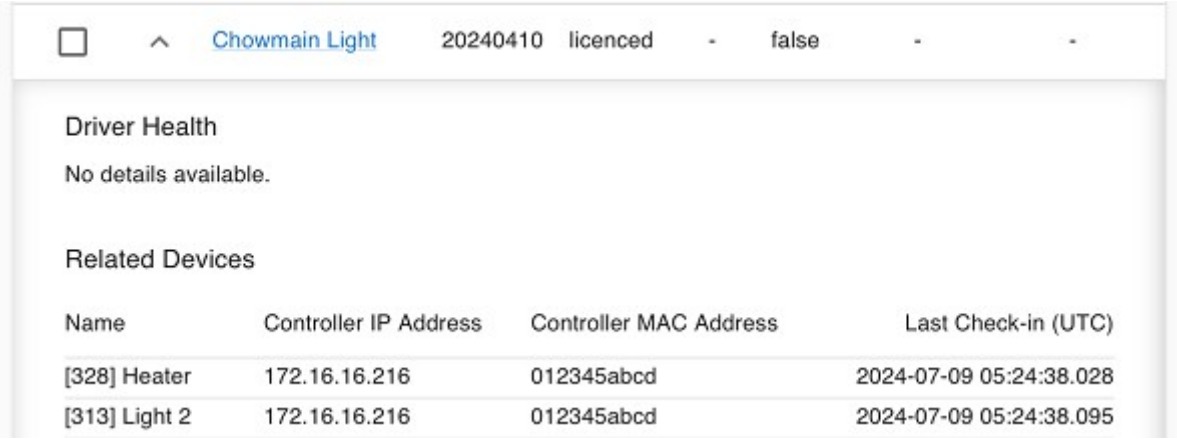
- There are multiple ways:

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

Information stated in this document is current as of January 2026 and may change. For latest information please visit https://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

20260826 - 2026-08-26

- [Feature] In most cases, the driver can now automatically create an API key for Protect and network using the new "Auto Create API Key" action.
- [Improvement] Support up to 125 devices for Network devices (Network)
- [Bug] Missing Device ID's on events cause an anomaly. This has now been fixed (Protect)
- [Improvement] Update Licencing

20260807 - 2026-08-07

- [Performance] Minor Improvement to reduce CPU usage on first start (All)
- [Protocol] Webhooks are now more compliant with RFC Specs (All Controllers)
- [Feature] Add Actions for Create Visitor, and Disable Visitor (Access Controller)
- [Bug] Preventative maintenance for potential Webhook issue. This is not believed to exist in production (Access / Protect / Access Controller)
- [Feature] Add Display All Sirens, Display All Alarm Hubs, Display All Link Stations, Display All Fobs, Display All Relays, and Display All Bridges Actions (Protect Controller)
- [Feature] Add Display All Arming Profiles Action (Protect Controller)
- [Feature] Add Play Siren and Stop Siren Commands (Protect Controller)
- [Feature] Add Enable Arm Alarm and Disable Arm Alarm Commands (Protect Controller)
- [Feature] Add Set Current Arm Profile Command and corresponding arm profile selector (Protect Controller)
- [Feature] Add Enable Arm Alarm, Disable Arm Alarm, and Set Current Arm Profile Actions (Protect Controller)

20260603 - 2026-06-03

- [Backend] Minor Backend logging Improvements. This may also reduce ram usage in a best case scenario by 1MB (All)
- [Improvement] Access Events were sometimes going to intercom, not door. This has now been fixed (Access Controller)
- [Improvement] Improve Connection handling for outbound connection when fragmentation occurs (All Controllers)

20260513 - 2026-05-13

- [Bug] LPR / Face Detection Webhook in some circumstances was syncing the incorrect Webhook address (UniFi Protect)

20260430 - 2026-04-30

- [Feature] Add Ability to disable Auto Syncing of Feedback using the "Auto-Sync Feedback Event Webhook" Property. This is useful for optimisation, and is for advanced users only (Protect Controller)

20260428 - 2026-04-28

- [Feature] Add support for Visitor detection, and more advanced door unlock information. More information in https://help.chowmain.software/portal/en/kb/articles/control4-unifi-access-how-to-program-visitors-users-unlock-attempts-for-access-door-locks (Access Door, Access Controller)

20260423 - 2026-04-23

- [Workaround] Intercom ringing event on some systems doesn't receive an end event. We now allow dupes for the event firing in those cases (Protect Camera)

20260420 - 2026-04-20

- [Bug] Fix Regression in Display Sensor Info (Protect Sensor)

20260416 - 2026-04-16

- [Bug] Update Camera Data Correctly (Protect Camera)
- [Efficiency] Improve efficiency by bypassing processing of related device updates when driver isn't installed for device (All Controllers)
- [Improvement] Improve Reliability of web interface (All Custom Interfaces)

20260331 - 2026-03-31

- [Usability] Improve usability of Menu buttons on Custom Interfaces (All)
- [Bug] Fix Motion Detection / door Opening (Protect Sensor)

20260313 - 2026-03-13
This release may require a reboot of the controller for some changes to take effect

- [Improvement] Some systems are incorrectly showing not ready (Access Intercom)
- [Improvement] Add support for custom SIP Server Port (Access Intercom)
- [Improvement] Intercom settings shouldn't have early media enabled by default, as it is not supported by Control4. Instead, use Alternate camera for early media (Access Intercom)

20260214 - 2026-02-13

- [Compatibility] SuperLink Door sensors need special handling (Protect Sensor)
- [Stability] Additional protection if devices send bad data, random API changes / bugs in the future (All Controllers)

20260213 - 2026-02-12

- [Workaround] Workaround issue with dodgy data from some third party cameras which may cause crashes (Protect Controller)
- [Feature] Rework provisioning to allow AutoSetup to better handle removed devices, and work around buggy data. As a side effect, this also should reduce CPU too (Protect Controller)

20260211 - 2026-02-11

Please note, we no longer recommend T3 touchscreens for use with UniFi. Visual artifacts on T3 touchscreens when viewing Cameras has been reported.

- [Backend] Improve Connection Management for AI events (Protect Camera)
- [Bug] Audio / Video Detection Binding Connections Should work correctly now.
- [Troubleshooting] Add Last Event Property to track Event changes
- [Feature] Event Relays by default are now Normal, instead of inverted. We also offer an option to change that

20260127 - 2026-01-27

This is a major release that improves door handling, usability and locking.

- [Usability] Improve Composer Icon for Access Door. The original Icon is meant to be a Access Door Controller. Instead, it looks like a castle :/ (Access Door)
- [Performance] Efficiency improvements when Device lists change a lot (All)
- [Usability] Sort AutoSetup Room list alphabetically (All)
- [Usability] Sort Device list alphabetically (All)
- [Bug] Remove Door Selection from Temporary Locking Rule and Timed Temporary Unlock Action (Access Door)
- [Feature] Improved Licencing
- [Troubleshooting] Improved Diagnostics
- [Feature] Add Custom Webhook support. Refer to Documentation for details (Protect Controller, Network Controller, Access Controller)
- [Feature] Support for Package Snapshots when Package is selected (Protect Controller, Camera)
- [Feature] Add Relay Invert Option to Door Lock Driver to allow for different wiring setups. Old installs default to invert. New default to Normal (Access Door)
- [Feature] We now automatically add Generic Lock Driver and preconfigure it (Access Door)
- [Bug] In some circumstances, Unlock / Lock programming commands from the Door driver may not have worked correctly (drivers were working correctly in controller however). This has now been fixed (Access Door)
- [Bug] Fix Descriptions for Commands for better usability. These will only show for newly added programming commands (Access Door)

20251202 - 2025-12-02

- [Bug] Fix Anomaly on first bind of Door position (Access Door)
- [Bug] Toggle Behavior "Remote Unlock" may not have worked correctly in some circumstances (Access Door)
- [Improvement] Generic Relay Door Lock feedback now works properly (Access Door)

20251126 - 2025-11-26

This release adds the first iteration of our official lock driver

- [Feature] Unifi Lock Driver. This driver allows control of Unifi Locks via the Unifi Access Controller (Unifi Lock)
- [Bug] PIN number on Wifi Connect was incorrectly ignored intermittently (WiFi Connect)
- [Bug] Viewers without a name may have triggered a crash in some cases (Protect Controller)
- [Usability] Remove Poll Rate From Intercom Driver as it is not required (Access Intercom)
- [Troubleshooting] Improve UniFi Camera Diagnostics (Protect Camera)
- [Network] Overhauled all network communications to improve stability and reliability. This also allows us to work around buggy Unifi Responses easier. Particularly 429 / 500 errors (All)
- [Licencing] Better handling of licencing. We now send a response to queries when licencing is invalid, instead of dropping them (Unifi Protect)

20251106 - 2025-11-06

- [Bug] In some cases, the Cameras may not have worked in a new installation. This has now been fixed (Protect Camera)
- [Bug] Better detection of whether cameras have ACTUALLY changed (Protect Camera)
- [Improvement] Upgrade Custom Interface backend (Access Controller, Network Controller, Protect Controller, Network Device, WiFi Connect)
- [Improvement] Add Ability to disable auto syncing of Control4 with UniFi SIP Settings and perform a manual sync as required (Access Intercom)

20251022 - 2025-10-22

- [Troubleshooting] Test URL's are now visible as by common request (Protect Camera)
- [Improvement] Improve stability of RTSP Streams (Protect Camera)

20251017 - 2025-10-17

- [Improvement] Client List may show empty when VPN or special clients are connected (Network Controller)

20251014 - 2025-10-14

- [Improvement] Allow SIP Transport to be set to UDP or TCP. New Default is TCP (Access Intercom, Access Controller)
- [Bug] Fix Crash which may affect Unifi Access (Access Controller)

20251013 - 2025-10-13

- [Feature] Add Forced quality support for High and Medium streams (Camera)
- [Internal] Re-enable support for Medium Quality. In tests it showed crashes on some cameras, so we don't recommend Medium for some cameras (Camera)
- [Improvement] Minor Licencing Improvement (All)

20251010 - 2025-10-10

- [Improvement] Switch LAST_FACE_DETECTED_TIMESTAMP and LAST_LPR_DETECTED_TIMESTAMP to use millisecond precision instead of second precision to avoid issues with rapid detections (Protect Camera)

20251009 - 2025-10-09

- [Feature] Add Action to Copy Login Details, Server details and API key from another controller driver to speed up setup. Please note, since Access Controller uses a different API key to Protect / Network, this is not an available option (Network Controller, Protect Controller)

20251008 - 2025-10-08

- [Bug] On Some systems, the Select Device From List may not have been shown correctly after controller reboot (All)
- [Improvement] Improve Stability of Realtime Feedback (Network Controller, Protect Controller, Access Controller)

20251006 - 2025-10-06

- [Feature] Add Temporary Locking Rule, Timed Temporary Unlock and Unlock Door Commands to Access Controller. This was already available as an action (Access Controller)
- [Bug] Port Enabling/Disabling and POE Power Control was not working correctly when more than 1 policy was applied
- [Improvement] Remove rogue Zoom In / Out in interface (Protect Controller, Network Controller, Access Controller, Network Device)

20251002 - 2025-10-02
This version introduces our new UniFi WiFi Connect driver to allow easy connection to WiFi networks using QR Codes. This is ideal for guest access to WiFi networks

- [New Driver] Unifi WiFi Connect Driver. This driver provides an easy way to connect to a WiFi network using a QR Code (WiFi Connect, Network Controller)
- [Improvement] Add Login/API Connection Status feedback. This should help with troubleshooting connection issues (Network Controller, Protect Controller)
- [Documentation] Rework Quickstart guides to facilitate easier setup (All)

20250930 - 2025-09-30

- [Troubleshooting] Improve Diagnostics (Network Controller)

20250929 - 2025-09-29

- [Bug] Realtime Feedback did not connect correctly when API key is set after server address, username and password until driver is rebooted. This has now been rectified (Access Controller, Protect Controller)

20250923 - 2025-09-23

- [Usability] Add support for Page Up / Page Down buttons and Channel Down / Up buttons on remotes (Viewport)
- [Bug] Viewport didn't correctly select video device in some circumstances (Viewport)
- [Troubleshooting] Further improve display diagnostics in all drivers (All)

20250922 - 2025-09-22

- [Feature] Introducing our new Unifi Port Control Button Driver. This driver allows you to control POE power and port enable/disable on supported Unifi Switches via a simple experience button interface. (Network Port Control Button)
- [Enhancement] Realtime feedback channels have better protection against dodgy network issues (Protect Controller,Network Controller, Access Controller)
- [Troubleshooting] Improve Diagnostics and better directions for API setup (Access,Network and Protect Controllers)

20250917 - 2025-09-17
MAJOR CHANGE: Based on widespread testing, we have redesigned the Basic SIP Intercom driver to now integrate via our Unifi Access agent. We found that the previous method was unsuitable on some installations. Ubiquiti UniFi Access/Protect Intercom (Chowmain) is now obsolete and has been replaced by Unifi Access Intercom V2 (Chowmain). Please ensure you install this new driver and remove the old one. The old driver will no longer be updated or supported. Our new basic Access driver is now included with the package too

- [NEW] Unifi Access Controller. This allows basic control of doors and intercoms. (Unifi Access)
- [NEW] Unifi Access Intercom V2. This is a basic SIP Intercom driver which can be used with Unifi Intercoms (Unifi Access)
- [DEPRECATION] Ubiquiti UniFi Access/Protect Intercom (Chowmain) is now obsolete and has been replaced by Unifi Access Intercom V2 (Chowmain). Please ensure you install this new driver and remove the old one. The old driver will no longer be updated or supported in the new version. (Unifi Access)
- [Enhancement] Improve MJPEG Handling (Protect Camera)
- [Enhancement] Better handling of Video streams. (Protect Camera)

Version 20250912 - 2025-09-12
This version introduces some major new features, and introduces a basic SIP Intercom driver which can be utilised with Unifi Intercom Devices. Unifi Intercom Requires Unifi Access to be deployed, however, is provisioned using Unifi Protect

- [Feature] This release adds a basic Intercom driver which can be utilised with the Unifi Intercom devices. This is provisioned using (Intercom)
- [Enhancement] Redesign Video Recording download to be more robust. This also assists with issues with controllers in some circumstances rebooting on faster networks, or worse controllers (Protect)

- [Usability] Hide Presets On Cameras which do not require them. Requires Controller reboot if upgrading first time (Camera)
- [Feature] Add Auto Setup Package Camera action in Protect Camera (Protect Camera)
- [Feature] Add Auto Rename Format property to Camera. This means Auto Rename can use the primary stream name as part of the name too (Camera)
- [Feature] Add POE Enable / Disable Action and Command (Network Device)
- [Feature] Add Support to Disable / Enable Port (Network Device)
- [Feature] Add Support to Video Stream Selection to force Low Quality Streaming in all circumstances (Camera)
- [Bug] Improve Cancellation of Video Download (Protect)

Version 20250901 - 2025-09-01

- [Feature] Basic Per-page Sorting is now available for Mobile devices (tablet / touchscreen support already existed) (Protect, Network Device, Network Controller)
- [Feature] Add Reload Page Support and basic Filters (Network Controller)
- [Feature] Add Temperature and Storage display support for Display Device Statistics action (Network Controller)

Version 20250829 - 2025-08-29

- [Feature] Add Support for Video Stream selection
- [Workaround] Resolve issue with where missing network device ID may cause AutoSetup to fail (Network Controller)
- [Optimisation] Eliminate delay for AI detection handling for cameras which have been newly added to protect installation (Protect)
- [Troubleshooting] Add Display Events / System Events for more info on protect devices (Protect)
- [Bug] Fix minor issue with Anomaly if site isn't set up (Network Device)
- [Bug] Sometimes custom interfaces loaded to black loading screen. Workaround race condition (Network Controller, Network Device, Protect)
- [Bug] Capabilities such as PTZ and Zoom are now correctly updated post driver restart (Camera)

Version 20250828 - 2025-08-27

- Having a Chime in system no longer causes issues for AutoSetup (Protect)
- Other Auto Setup improvements (Protect)

Version 20250827 - 2025-08-27

- Video Downloads can now be cancelled mid-download (Protect)
- Improved Memory Handling for Images and Video. This should improve stability (Protect, Network Device,Network Controller)
- Switch to new video protocol to avoid Interface crashes (Protect)

Version 20250826 - 2025-08-26

- Fix Event conflict with variables (Protect)

Version 20250825 - 2025-08-25

- Initial release