

TP-Link Smart Home Installation and Usage Guide



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Overview

Chowmain's TP-Link driver brings seamless integration of both Tapo and Kasa smart devices into Control4 systems. Supporting TP-Link's latest KLAP protocol, this driver enables fast, reliable local control with real-time feedback—ideal for enhancing modern smart homes without cloud dependency.

The integration supports a wide range of affordable and widely available TP-Link Kasa and Tapo devices:

A few notable TP-Link Products include (but not limited to)

1. Smart Light Bulbs:

- **Tapo L530E:** Dimmable RGBW bulb compatible with Alexa and Google Home. [View Product](#)
- **Tapo L535E:** Matter-certified bulb with 1100 lumens brightness and 16M colors. [View Product](#)

2. Smart Plugs:

- **Kasa HS103P4:** Compact smart plugs compatible with Alexa and Google Assistant. [View Product](#)
- **Kasa KP125P2:** Smart plugs with energy monitoring and Matter support. [View Product](#)

3. Smart Power Strips:

- **Kasa KP303:** 3-outlet smart power strip with 2 USB ports and individual outlet control. [View Product](#)
- **Kasa HS300:** 6-outlet smart power strip with surge protection and energy monitoring. [View Product](#)

4. Smart Switches:

- **Kasa KS240:** Smart dimmer switch with fan control [View Product](#)
- **Tapo S500:** Single-pole smart light switch compatible with Alexa and Google Home. [View Product](#)
- **Tapo S505D:** Matter-certified dimmer switch with brightness control. [View Product](#)

5. Smart LED Light Strips:

- **Tapo L900-5:** 5-meter RGB light strip with 16 million colors, voice control, and app scheduling. [View Product](#)
- **Tapo L920-5:** 5-meter RGBIC light strip with 50 color zones, music sync, and IP44 rating. [View Product](#)
- **Tapo L930-5:** 5-meter advanced RGBIC light strip with Apple HomeKit support and dynamic effects. [View Product](#)

With broad product availability, competitive pricing, and dependable local control, TP-Link's ecosystem is a strong choice for Control4 deployments. This integration is ideal for retrofit projects and budget-conscious automation systems where reliability and responsiveness are still key.

Features

TPLink Agent - Driver Management

- One click Auto-Setup and provisioning of all detected TP-Link Kasa/Tapo devices. Provisions the correct drivers for the current protocol (KLAP / Authentication or unauthenticated / V2)
- Auto Discovery of supported (KLAPv2 and original protocol KASA) Devices
- Bulk Update Poll Rate for all devices
- Display information for known devices
- Performs Self Healing for IP address changes

TP-Link KLAPv2 Drivers

- Used for Tapo devices (requires updated firmware with KLAPv2 Support) and some KASA devices with updated firmware which require authentication
- Supports Light, Outlet and Fan devices

Smart Plugs & Power Strips

- Individual control over all outlets
- Ability to connect driver via light or control via RELAY binding.
- Ability to connect driver to keypad buttons (with LED feedback) to allow for quick on/off/toggle programming
- On/Off feedback from the device
- Device Information is available as variables

In-Wall Solutions

- Brightness/Dimming control for light dimmers
- On/Off control for light switches
- Ability to connect driver to keypad buttons (with LED feedback) to allow for quick on/off/toggle programming
- Preset Level and Click Ramp Rate Support

LED Bulbs & LED Strips

- ColorWheel Control Supports temperature and colors
- Ability to change modes between Color Temp and Hue
- Color Presets Support
- Allows control and feedback over
 - Brightness
 - Hue
 - Saturation
 - Color Temp

- Ability to connect driver to keypad buttons (with LED feedback) to allow for quick on/off/toggle programming
- Preset Level and Click Ramp Rate Support

TP-Link V2 KASA Drivers

- The TP-Link V2 drivers are designed for TP-Link KASA devices which use the original KASA unencrypted protocol only. KASA Devices with updated firmware may require to be switched to the KLAP drivers.

Smart Plugs & Power Strips

- Individual control of outlets on Power strip (up to 6, depending on model).
- Ability to connect driver to outlet light or relay device drivers which in turn allows you to view the correct icon on navigator interface or even eliminate standby power on AV based devices.
- Ability to connect driver to keypad buttons (with LED feedback) to allow for quick on/off/toggle programming
- Ability to monitor and manage energy using insight based switches
- Ability to use energy monitoring in compatible outlets for automatic selection and room off of Playstation, Xbox One, Nintendo Switch and other manually controlled devices
- On/Off feedback from the device

In-Wall Solutions

- Dimming control over light dimmers
- On/Off control over light switches
- On/Off control over individual outlets
- Ability to connect driver to keypad buttons (with LED feedback) to allow for quick on/off/toggle programming
- Preset Level and Click Ramp Rate Support

LED Bulbs & LED Strips

- OS 3.3 compatible ColorWheel Supports temperature and colors
- Ability to change modes between Color Temp and Hue
- Circadian Rhythm support
- Allows control and feedback over
 - Brightness
 - Hue
 - Saturation
 - Color Temp
- Ability to connect driver to keypad buttons (with LED feedback) to allow for quick on/off/toggle programming
- Preset Level and Click Ramp Rate Support

- Effect programming commands

Setup

Please note, OS 3.3.0 or later is required for correct operation. OS3.4.2 or later is recommended

Minimum Requirements to operate this driver?

- Control4 OS 3.3.0 or later to operate correctly. Control4 X4 is supported
- TPLink Legacy / V1 drivers must be removed from project
- Our KLAP drivers require KLAPv2 compatibility. KLAPv1 is NOT supported, however, most KLAPv1 devices are updated to v2 during firmware update
- VLAN's and connections between different network segments may require additional configuration which are outside the scope of support. It is recommended against using VLAN's. Some network setups may prevent TP-Link operating over VLAN and may not provide the necessary configuration options. KASA V2 is mainly affected due to heavy use of UDP
- We have also established a compatibility issue with Netgear ORBI networks (and possibly some other mesh systems). This issues primarily affect only auto-discovery but may affect standard communications too, and is not believed to be a bug in the driver (but instead we believe is due to the way they deal with UDP traffic). The only known workaround at this time is to replace the networking equipment. This issue was last confirmed in late 2022. KLAP devices we believe to be more immune to this issue, but may still be affected with auto discovery
- You will need the TPLink mobile login credentials (Username/Password). This is required for KLAP devices

Basic Info

- The recommended method of setup is to use Agent, which will determine the best driver options for the device, and automatically configure the drivers.
- KLAPv2 Kasa/Tapo drivers are setup by using the `chowmain_tplink_klap_device.c4z` driver, which auto configures RELAY bindings, and `chowmain_tplink_klap_light.c4z` or `chowmain_tplink_klap_fan.c4z` drivers directly.
- KASA devices using the original protocol are setup by using the `chowmain_tplink_v2_light.c4z` or `chowmain_tplink_v2_outlet.c4z` drivers directly. For full control of multi-outlet devices, outlet must always be used (however, Auto Setup Outlets action can be used to control each outlet as lights)

Quick Start

1. Ensure Controller is running OS 3.3.0 or later. OS 3.4.2 or later is recommended
2. Remove all Legacy V1 devices from the project before continuing. If they are removed after, you may also need to reboot controller
3. Using the mobile apps, configure and setup all TPLink Kasa/Tapo devices. Test devices for correct operation. It is recommended to set static IP's of devices or allocate static IP's using DHCP.
4. Ensure all TPLINK Devices have been firmware updated before configuration. Some devices may require multiple firmware updates.

5. After performing firmware updates (especially for original KASA protocol based devices), it is recommended to turn off auto-update firmware, to prevent the possibility that the firmware is updated automatically later to KLAPv2
6. We **STRONGLY** recommend enabling TPLink's Third Party Compatibility option in the TPLink mobile app. You may need to be on the same network segment for this to work correctly. Please refer to TPLink's guide here: <https://www.tp-link.com/us/support/faq/4416/>
7. Use Driver => Add Or Update Driver or Agent menu in Composer Pro to upload drivers to Controller. Do not simply copy the c4z files to your Control4 Drivers directory or Auto-Setup may not operate correctly. This also ensures all drivers on the controller are up to date
6. In Agents, add the TP-Link Kasa/Tapo V2 Agent (older installs which have been updated may show a slightly different name). As devices are discovered, the device and driver properties will update
8. Enter the TP-Link Authentication details in the TPLink Agent. **THIS IS REQUIRED FOR KLAP DEVICES.** This is the same details used in the KASA/Tapo app for provisioning. The Username is generally an email address, and is case sensitive (check the profile section in the app for the exact email address required)
9. If VLAN's are being utilised or non-standard subnets, you may need to change the Custom Network Broadcast IP in the TPLink Agent to ensure Auto-discovery works correctly. Further configuration may be required
10. Set the Default AutoSetup Room where devices should be automatically added.
11. Select the Auto Setup action to automatically add and setup devices. If the incorrect drivertype is setup for a device, delete the device from the project, re-add using the correct driver, and use the "Select Device From List" property to setup the correct device. Please note, the new KLAP devices use KLAP Device for setup, and require authentication details to be entered.

In the event of issues, use Display Diagnostics to assist with identifying problems.

Troubleshooting

****For the Latest Troubleshooting Information, please refer to our Knowledgebase at <https://help.chowmain.software/portal/en/kb/driver-support/control4/tp-link>****

My V2 device has stopped working from Control4

- Check the IP address in the Control4 driver
- Ensure that the device can be controlled from the TPLink Mobile App
- It is possible that the device protocol has been updated to KLAPv2 (either via Automatic Update, or manually). Check Diagnostics in TPLink Agent which will be able to identify if the device is using the V2 driver, instead of the correct Klapp device driver. If so, you will need to replace the V2 driver and replace with our KLAP drivers. EP25 and KP125 are two products which are known to have received updates
- UDP / broadcasting is not working correctly on the network.

My KLAP Device has stopped working from Control4

- This may occur due to a change of the TPLink authentication details on the mobile app. Please check the username and password in the TPLink Agent
- Ensure that the device can be controlled from the TPLink Mobile App

My TAPO P100 outlet has the correct authentication details entered into Control4, however, doesn't authenticate

- This issue can be resolved by factory resetting the P100 and readding to the TAPO account.

Settings - V2 Agent

Properties

- Cloud Status: Displays the current licencing info
- Driver Version: The version of the driver
- Control4 MAC Address: MAC Address of the Primary Control4 Controller
- Automatic Updates: Whether the driver package will be automatically updated
- Debug Mode: Whether debugging is enabled
- Debug Level: Verbosity of Debugging. Bigger numbers increases the amount of debugging
- Error Reporting: Whether major driver issues are automatically reported to Chowmain

Driver Information:

- Enable Auto-Discovery: Enables or Disables Auto-Detection of devices automatically.
- Custom Network Broadcast IP: Custom IP Address to broadcast to for Auto-Discovery. If left blank, the Agent will broadcast to the local subnet. A different IP may be required for different subnets. Generally this is IP.IP.IP.255 (ie, if the network is 192.168.1.10/255.255.255.0, the broadcast IP would be 192.168.1.255)
- Default AutoSetup Room: Default Room for Devices to be added into during Auto-Setup
- Auto-Detection Poll Rate (Seconds): Detection Rate of new devices and self-healing if Enable Auto-Discovery is enabled.
- Total Devices: Total auto-discovered devices
- Provisioned Devices: Total devices which have at least 1 configured driver in Control4
- Unprovisioned Devices: Total devices which do not have a configured driver in Control4
- Total Drivers: All V2 Outlet and Light Kasa Drivers (excluding Agent) added to the Control4 project
- Invalid Drivers: Drivers in Control4 which have an undiscovered/invalid MAC Address set in Properties.
- Provisioned Drivers: Drivers in Control4 which have a valid MAC Address
- Unprovisioned Drivers: Drivers in Control4 which haven't been setup yet

Device Login (Required for KLAP devices):

- Login Username: Email address of the associated TPLink Tapo/KASA Account
- Login Password: Password of the associated TPLink Tapo/KASA Account

Actions

- Auto Setup: Automatically Adds drivers and configures all unprovisioned KASA devices in the Control4 Project
- Bulk Update Poll Rate: Simultaneously update all connected Light and Outlet Device Poll rates and Feedback On Action settings
- Display Diagnostics: Detects common issues and displays faults to LUA window

- Display Known Devices: Displays a directory of all known TPLink devices on the network and TPLink V2 Drivers, their capabilities and provisioning states.
- Get Latest Devices: Attempts Auto-Discovery of Devices on Network
- Submit Diagnostics: Submits diagnostics information to Chowmain and provides a ticket ID to the LUA window which can be provided to Chowmain staff when requesting support

Settings - KLAP Device

Properties

- Cloud Status: Displays the current licencing info
- Driver Version: The version of the driver
- Control4 MAC Address: MAC Address of the Primary Control4 Controller
- Automatic Updates: Whether the driver package will be automatically updated
- Debug Mode: Whether debugging is enabled
- Debug Level: Verbosity of Debugging. Bigger numbers increases the amount of debugging
- Error Reporting: Whether major driver issues are automatically reported to Chowmain

Driver Information:

- Select Device From List: Used for Auto setup of device and IP Self-Healing by Agent
- MAC Address: Associated mac address of driver. Used for Agent
- IP Address: IP Address of device
- Auto-Rename: Auto Renames device in Control4
- Poll Rate (ms): Rate of Status Updates in Control4
- Connection Status: Connection state between Control4 and TPLink device
- Model: The model of the device
- Type: Device Type
- Name: Nickname of the device in TPLink App
- WIFI rssi: Wireless signal strength
- Firmware Version: Firmware Version of the device
- Hardware Version: Hardware Revision of the device

Device Specific Login:

- Login Username: TPLink Account Username. It is generally recommended to enter these details in Agent instead
- Login Password: TPLink Account Password. It is generally recommended to enter these details in Agent instead

Actions

- AutoSetup: Downloads the device information from the device and creates the subdevices automatically
- Display Device Info: Displays information on the primary device and the subdevices
- Display Diagnostics: Detects common issues and displays faults to LUA window
- Display Extended Diagnostics: Runs extended diagnostics. Generally only required if requested by Chowmain support.
- Display Related Diagnostics: Displays Diagnostics for all Chowmain TPLink drivers
- Reboot: Reboots the TPLink device

- **Submit Diagnostics:** Submits diagnostics information to Chowmain and provides a ticket ID to the LUA window which can be provided to Chowmain staff when requesting support
- Toggle: Toggles the power of a device
- Turn Off: Turns off the power of a device
- Turn On: Turns on the power of a device

Settings - KLAP Light

Properties

- Cloud Status: Displays the current licencing info
- Driver Version: The version of the driver
- Control4 MAC Address: MAC Address of the Primary Control4 Controller
- Automatic Updates: Whether the driver package will be automatically updated
- Debug Mode: Whether debugging is enabled
- Debug Level: Verbosity of Debugging. Bigger numbers increases the amount of debugging
- Error Reporting: Whether major driver issues are automatically reported to Chowmain

Driver Information:

- Capabilities: Defines the capabilities supported by the light.
- Auto-Rename: Whether light should rename to match the TPLink App automatically
- Name: The Name provided by the TPLink App
- Minimum Color Temperature: Minimum White Temperature supported by light (Kelvin)
- Maximum Color Temperature: Maximum White Temperature Supported by light (Kelvin)

Actions

- Display Diagnostics: Detects common issues and displays faults to LUA window
- Display Extended Diagnostics: Runs extended diagnostics. Generally only required if requested by Chowmain support.
- Display Related Diagnostics: Displays Diagnostics for all Chowmain TPLink drivers
- Submit Diagnostics: Submits diagnostics information to Chowmain and provides a ticket ID to the LUA window which can be provided to Chowmain staff when requesting support

Settings - KLAP Fans

Properties

- Cloud Status: Displays the current licencing info
- Driver Version: The version of the driver
- Control4 MAC Address: MAC Address of the Primary Control4 Controller
- Automatic Updates: Whether the driver package will be automatically updated
- Debug Mode: Whether debugging is enabled
- Debug Level: Verbosity of Debugging. Bigger numbers increases the amount of debugging
- Error Reporting: Whether major driver issues are automatically reported to Chowmain

Driver Information:

- Auto-Rename: Whether to automatically rename the device to match the TPLink App
- Name: Name of the device provided by the TPLink App
- Default Fan Power State: During a power on command, whether to return to the previous state, or a defined preset

Actions

- Display Diagnostics: Detects common issues and displays faults to LUA window
- Display Extended Diagnostics: Runs extended diagnostics. Generally only required if requested by Chowmain support.
- Display Related Diagnostics: Displays Diagnostics for all Chowmain TPLink drivers
- Submit Diagnostics: Submits diagnostics information to Chowmain and provides a ticket ID to the LUA window which can be provided to Chowmain staff when requesting support

Settings - KASA V2 Light

Properties

- Cloud Status: Displays the current licencing info
- Driver Version: The version of the driver
- Control4 MAC Address: MAC Address of the Primary Control4 Controller
- Automatic Updates: Whether the driver package will be automatically updated
- Debug Mode: Whether debugging is enabled
- Debug Level: Verbosity of Debugging. Bigger numbers increases the amount of debugging
- Error Reporting: Whether major driver issues are automatically reported to Chowmain

Driver Information:

- Select Device From List: Requires Agent to be installed and have auto-discover turned on. Automatically sets up driver using details discovered using Agent
- MAC Address: Used by TPLink Agent for Self-Healing of IP Addresses
- IP Address: IP Address of the Outlet. This Property will not be shown if light is bound to an outlet driver
- Auto-Rename: Auto-Rename Driver using Kasa name
- Poll Rate (ms): Polling rate to update device status. The lower the number, the higher the network load and processing requirements, but the faster the response time. Please note, some KASA devices operate incorrectly if the polling rate is too low / fast
- Power State Sync Rate (ms): Adjusts the rate after which we execute a power command to use the power state feedback. Some TPLink devices take 10-30s before the reported state accurately replaces the real state. This is only needed if the power status appears incorrect for a few seconds after a power command is sent.
- Color State Sync Rate (ms): Adjusts the rate after which we execute a color command to use the color state feedback. Some TPLink devices take 5-30s before the reported state accurately replaces the real state. This is only needed if the color status appears incorrect for a few seconds after a color command is sent.
- Light Category: Internal type of device commands. Selecting the incorrect type may cause commands to operate incorrectly. Please note, in some circumstances, the light category may not match the external appearance of the light.
- Setting Color Powers On Light: When Set to Enabled, setting a color will automatically turn on the light simultaneously. If set to disabled, please note, color changes whilst the light is turned off are ignored by KASA devices
- Capabilities: Adjusts the capabilities of the light
- Model: Detected Model of the device
- Type: Internal type of device. This is mainly useful for debugging
- Name: Name of the device shown in the TPLink app
- WIFI rssi: Wifi received signal strength. Closer to 0 is better signal strength
- Software Ver: Firmware version of device

- Hardware Ver: Hardware revision of device

Lighting

- Temperature Min: Minimum White Temperature supported by Light (in kelvin)
- Temperature Max: Maximum White Temperature supported by Light (in kelvin)
- Power State: Current Power State of the light
- Brightness: Current Brightness (percentage)
- White Temperature: Current White Temperature of the light (in Kelvin)
- Hue: In Color Mode, current Degrees in Hue (0-360Deg)
- Saturation: Current Saturation level of the light
- Color Mode: Current Color mode of light

Actions

- Display Diagnostics: Detects common issues and displays faults to lua window
- Submit Diagnostics: Submits diagnostics information to Chowmain and provides a ticket ID to the LUA window which can be provided to Chowmain staff when requesting support

Commands

- Set Effect: Used to set lighting effect (if supported by device)

Known Limitations

- Color cannot be set if "Setting Color Powers On Light is set to disabled, and the light is off. This is a limitation of Kasa devices.

Settings - KASA V2 Outlet

Properties

- Cloud Status: Displays the current licencing info
- Driver Version: The version of the driver
- Control4 MAC Address: MAC Address of the Primary Control4 Controller
- Automatic Updates: Whether the driver package will be automatically updated
- Debug Mode: Whether debugging is enabled
- Debug Level: Verbosity of Debugging. Bigger numbers increases the amount of debugging
- Error Reporting: Whether major driver issues are automatically reported to Chowmain

Driver Information:

- Select Device From List: Requires Agent to be installed and have auto-discover turned on. Automatically sets up driver using details discovered using Agent
- MAC Address: Used by TPLink Agent for Self-Healing of IP Addresses
- IP Address: IP Address of the Outlet
- Auto-Rename: Auto-Rename Driver using Kasa name
- Poll Rate (ms): Polling rate to update device status. The lower the number, the higher the network load and processing requirements, but the faster the response time. Please note, some KASA devices operate incorrectly if the polling rate is too low / fast
- Poll Energy: (Only available for Energy Management supported Devices). Enables or Disables polling of energy usage. Disabling this will reduce network / controller load, however, energy values will be incorrect.
- Poll Energy Rate (ms): (Only available for Energy Management supported Devices). Polling rate to update device energy status. The lower the number, the higher the network load and processing requirements, but the faster the response time. Please note, this rate is per channel. When using a 5 outlet device, to poll all devices will take a minimum of (5 x this value ms) to complete.
- Power State Sync Rate (ms): Adjusts the rate after which we execute a power command to use the power state feedback. Some TPLink devices take 10-30s before the reported state accurately replaces the real state. This is only needed if the power status appears incorrect for a few seconds after a power command is sent.
- Model: Detected Model of the device
- Type: Internal type of device. This is mainly useful for debugging
- Name: Name of the device shown in the TPLink app
- WIFI rssi: Wifi received signal strength. Closer to 0 is better signal strength
- Software Ver: Firmware version of device
- Hardware Ver: Hardware revision of device

Outputs

- Output X Name: Name of outlet in TPLink App

- Output X State: Power state of outlet

Energy Data (Only available to energy-management supported devices)

- Current Voltage: Detected voltage of mains power
- Output X Current Power (watts): Current Power used by outlet in Watts
- Output X Min watts: Set minimum wattage for AV Setup Trigger
- Output X Max watts: Set maximum wattage for AV Setup Trigger

Energy AV Setup (Only available to energy-management supported devices)

- Output X AV Device: Set AV device to trigger based on power usage
- Output X Auto Room(s) Select: Room to select based on power usage
- Output X Room Off if < Min Watts: Should room be turned off when outlet wattage drops below minimum wattage, if the Output AV Device is the current device selected
- Output X Select Device if > Max Watts: Should room be switched to the Output AV device if the current wattage exceeds the maximum watts threshold

Actions

- Auto-Setup Outlet Light Devices: Auto Setup light drivers in the project for each outlet. Useful for customers who prefer to control outlets as a light
- Display Diagnostics: Detects common issues and displays faults to lua window
- Submit Diagnostics: Submits diagnostics information to Chowmain and provides a ticket ID to the LUA window which can be provided to Chowmain staff when requesting support
- Turn Output Off: Turns off power to an outlet / output
- Turn Output On: Turns on power to an outlet / output

Commands

- Turn Output On: Turns on power to an outlet / output
- Turn Output Off: Turns off power to an outlet / output
- Toggle Output: Toggles power to an outlet / output

What are the minimum requirements to operate this driver?

- Our TP-Link KASA V2 Lighting drivers require OS 3.3.0 or later to operate correctly.
- KLAP drivers support OS 3.4 or later. OS 3.4.2 or later is recommended
- Our KLAP drivers require KLAPv2 compatibility
- VLAN's and connections between different network segments may require additional configuration which are outside the scope of support. It is recommended against using VLAN's. Some network setups may prevent TP-Link operating over VLAN and may not provide the necessary configuration options. KASA V2 is mainly affected due to heavy use of UDP
- We have also established a compatibility issue with Netgear ORBI networks (and possibly some other mesh systems). This issues primarily affect only auto-discovery but may affect standard communications too, and is not believed to be a bug in the driver (but instead we believe is due to the way they deal with UDP traffic). The only known workaround at this time is to replace the networking equipment. This issue was last confirmed in late 2022. KLAP devices we believe to be more immune to this issue, but may still be affected with auto discovery

Can I group lights?

Using our new Chowmain Light Group Driver, you can now group multiple lights together (even different manufacturers) and control them as a single light. More information is available from:

<https://chowmain.software/drivers/control4-chowmain-light-group>

What is the difference between our KLAP drivers and KASA V2

- KLAP is considered the newer protocol and is slowly replacing the original KASA protocol. Some devices switch the protocol to KLAP when updating firmware. Devices either use the KLAP drivers, or they use the V2 KASA drivers. Devices which require KLAPv1 are NOT supported
- KLAP requires authentication (the TPLink login), whereas, the original protocol does not utilise authentication.
- KLAPv2 (and our driver) is supported by most updated Tapo firmware, and many newer KASA devices including the EP25, or some KASA devices with updated firmware
- V2 supports a outlet experience driver to show the outlet on the screen. In KLAP, we provide only relay bindings which can be used for your own experience drivers, and by default bind to a light driver
- KLAP offers more variables
- At this time, only V2 supports Energy management

What is the difference between the Legacy V1 Kasa Drivers and the V2/KLAP Drivers?

- The V1 drivers do not support Control4 X4 or later. V2/KLAP requires OS 3.3.0 or later and Control4 X4 is fully supported

- V1 drivers do not support OS 3.3+ ColorWheel support for presets
- Hardware support is limited in V1/legacy. KLAPv2 is not supported by legacy, and will never be
- V1 does not support Load groups
- V2 supports all devices V1 supports (and more)
- V1 does not support Daylight Agent
- V2 (KASA) supports integration of Light effects via OS 3.3 Extras. Users have easier access to available effects for supported devices
- V2/KLAP has Improved Light Button Links, with new capabilities
- V2/KLAP has auto Setup for all devices. Simply add the drivers to Control4, click auto-setup in Kasa Agent and all devices will be automatically added
- V2/KLAP has Fan Control support

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

Smart Outlets / Smart Plugs / Power Strips

Smart Plugs / Power Strips can be easily retrofit without cutting wires or replacing switches. No need to bring in your electrician to retrofit.

- In Australia we do not have access to the Control4 outlet switch. As such we cannot easily integrate floor lamps, bedside table lights, fans, electric heaters, towel rails, etc easily. This driver fills in the gap to integrate these devices into the Control4 system.
- This driver allows connection to the Control4 outlet light driver and any relay based binding. As such you can get the correct icon on your navigator and also bind it to your AV device to minimise standby power.
- This driver can also detect power usage statistics from the HS110 outlet. This can be useful for programming energy management based actions.
- This driver allows connection to any Control4 keypad for ease of use programming.
- On HS110 & HS300 outlets you can turn on your Xbox One, Playstation 4 or Nintendo Switch using their controller and have Control4 automatically turn on the system to the right inputs. Turn off the console using the console's controller or power button and have Control4 automatically turn the room off.
- The KP200 device offers two in-wall outlets which is used to replace existing outlets rather than plugging in a smart plug.
- The KP400 device is an IP64 rated outdoor smart plug with two outlets. It is air tight and rain proof.
- Outlets are extremely affordable with entry level smart plugs starting at \$16.99 MSRP

LED Bulb / LED Strips / In-wall Switches / In-wall Dimmers / In-wall Fan Control

- Bulbs / Strips can be easily retrofit without cutting wires or replacing switches. No need to bring in your electrician to retrofit.
- Bulbs / Strips are extremely affordable with dimmable bulbs starting at \$19.99 MSRP

- Color Temp Bulbs support Circadian Rhythm. This mode adjusts the color temp and brightness throughout the day to promote biophilia
- In-wall switches and dimmers offer an affordable alternative to other brands. As they are wifi controlled they can be installed anywhere there is wifi coverage.
- In-wall fan control allows you to control the fan speed and light from a single switch. This is ideal for controlling ceiling fans in bedrooms or living rooms.

What hardware will this work on?

Please note, some older KASA devices switch protocol to KLAPv2 after firmware updates. If you are having issues with the V2 drivers, please try the KLAP drivers.

Devices will utilise either KLAP or the V2 protocol (but not both).

KLAP Drivers

- KLAP drivers are used for newer devices which require Authentication. It is the recommended protocol if supported, however requires the TPLink Authentication details to be entered. KLAPv1 is not supported, only KLAPv2. Most KLAPv1 devices are upgraded to V2 via firmware update

LED bulbs & Strips

- Tapo L510E
- Tapo L900

Outlets / Power Strips

- KASA EP25 Outlet
- TAPO P100

In-Wall Switches / Dimmers / Outlets / Fan Control

- KASA KS205 Light Switch
- KASA KS225 Light Dimmer Switch
- KASA KS240 Fan and Dimmer Switch

Other devices are expected to work but are untested

V2 Drivers

- V2 drivers are used for older firmware and devices which do not require Authentication. It is recommended to disable firmware updates for these devices after initial deployment

LED Bulbs & Strips

- KASA KL110

- KASA KL120
- KASA KL130
- KASA KL430
- KASA LB100
- KASA LB110
- KASA LB120
- KASA LB130
- KASA LB200
- KASA LB230

Outlets / Power Strips

- KASA HS100
- KASA HS103
- KASA HS105
- KASA HS107
- KASA HS110
- KASA HS300
- KASA KP200
- KASA KP303

In-Wall Switches / Dimmers / Outlets

- KASA HS200 (Old Firmware. Some New Firmware uses KLAP)
- KASA HS220 (Old Firmware. Some New Firmware uses KLAP)
- KASA KP400

**** NOTE:** It may also work with other models however it is untested******

Licensing

Marketplace

To Purchase drivers

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

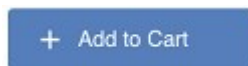
1. Navigate to the login page of Chowmain website: [Chowmain - Login](#)
2. Sign in using credentials provided after sign up request approval
3. Ensure you are logged into the website using website's header: registration and sign up buttons are replaced with cart icon and user icon



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



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



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



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

Create Chowmain Project and obtain Project Code

Note:

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

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

1. Ensure you are signed into the [Chowmain Website](#)

2. Navigate to [Dashboard => Projects](#)



3. Click *Create Project*:



4. Complete the details for the Project (*Project Name, Customer Name, Control System*)

5. Upon completion, take note of the **Project Code**. This is required to link the Control System to the newly created project

To Assign purchased drivers to Project

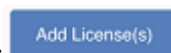
NOTE: Driver must already be purchased and a Project Code must be created as per above 'Create Chowmain Project and obtain Project Code' section

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

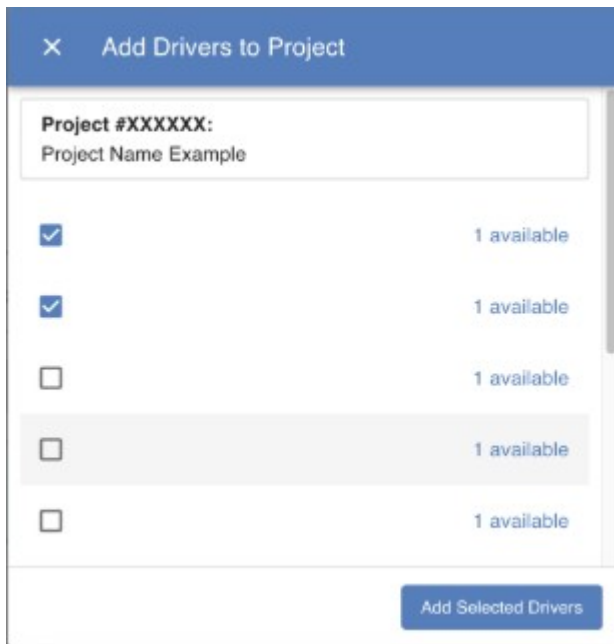
Project Name	Project Code	Licensed	Showroom	Platform
100	XXXXXX			
101	XXXXXX			

Rows per page: 15 1-2 of 2

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



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



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

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

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

Control4

To Download and install Chowmain drivers:

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

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

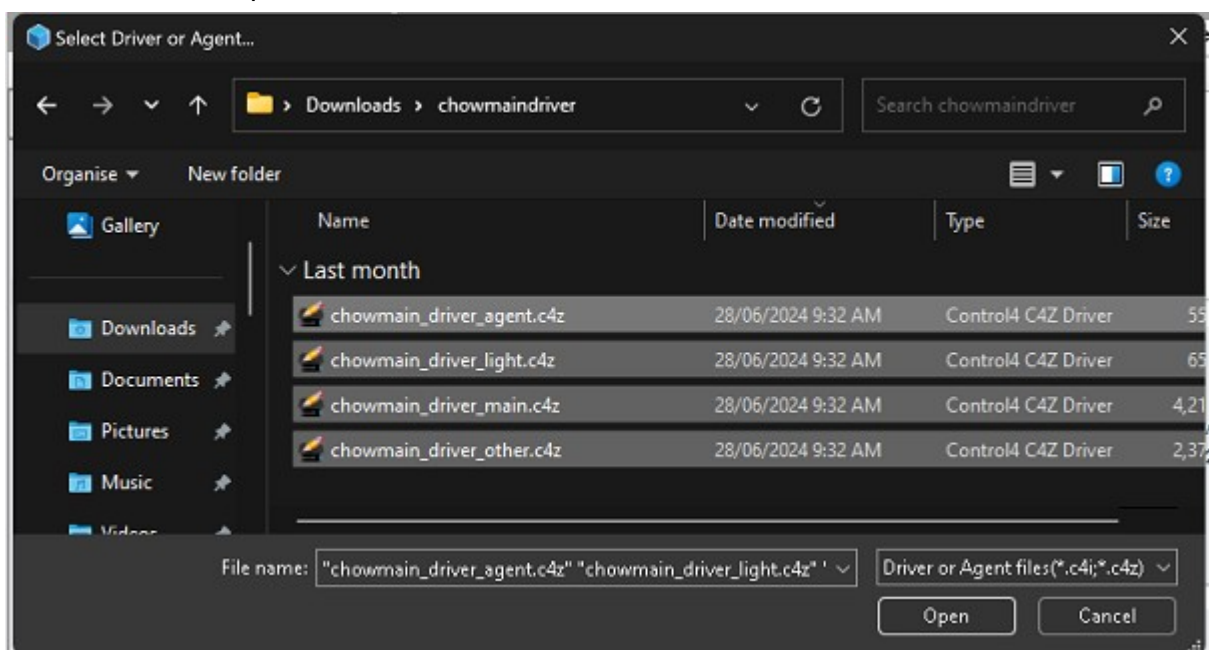
1. Visit: <https://chowmain.software>
2. Search and locate your driver, and click into the details by clicking the picture or heading.
3. Select Download. And extract the contents of the downloaded Zip file to a temporary directory



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



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



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

Install Chowmain Agent

Installation of the Chowmain Agent is required to licence drivers

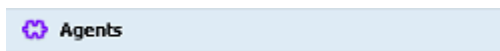
1. Download Chowmain Project Agent From the [Chowmain Project Agent Page](#)
2. Open Project In Composer Pro. Composer Express does not Support Agents and cannot be used
3. Navigate to the *Driver=>Add Or Update Driver Or Agent* menu item



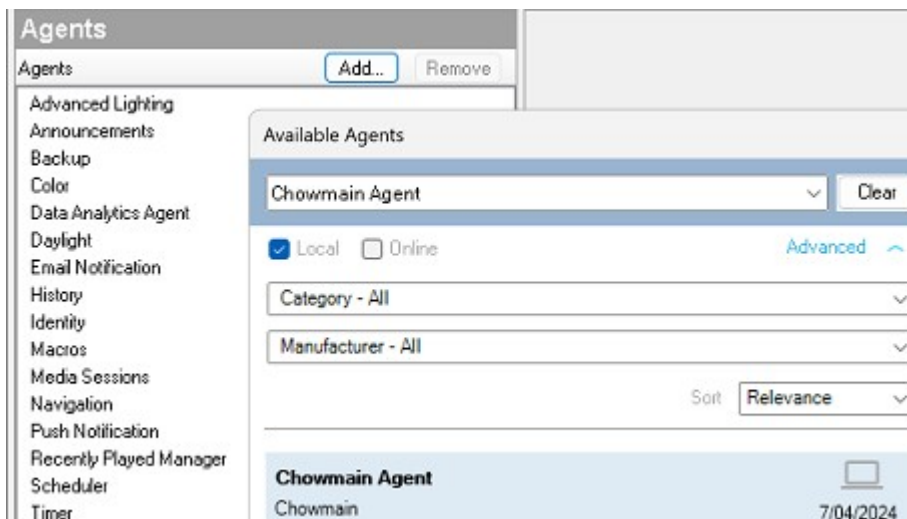
4. Add the *agent_chowmain.c4z* file



5. Navigate to the Agents View in Composer Pro



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

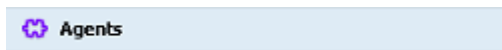


7. *Chowmain Agent* should be listed in the project.



Link Project Code to Control4 Project

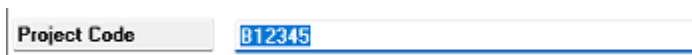
1. Ensure *Chowmain Agent* is installed on primary Control4 Controller. If not, follow the previous information
2. Navigate to the Agents View in Composer Pro



3. Select *Chowmain Agent* in the project



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



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



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

LICENCING FAQ

What are the Requirements for Chowmain licencing?

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

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

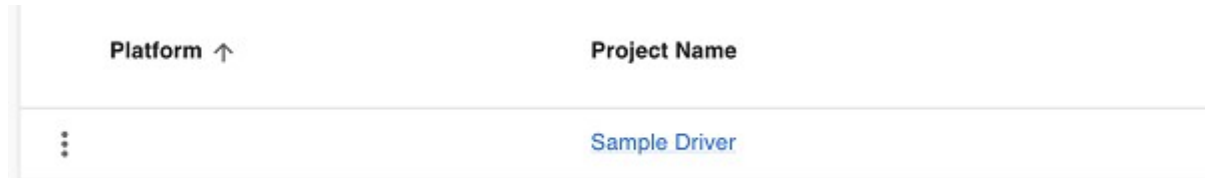
- There are multiple ways:

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

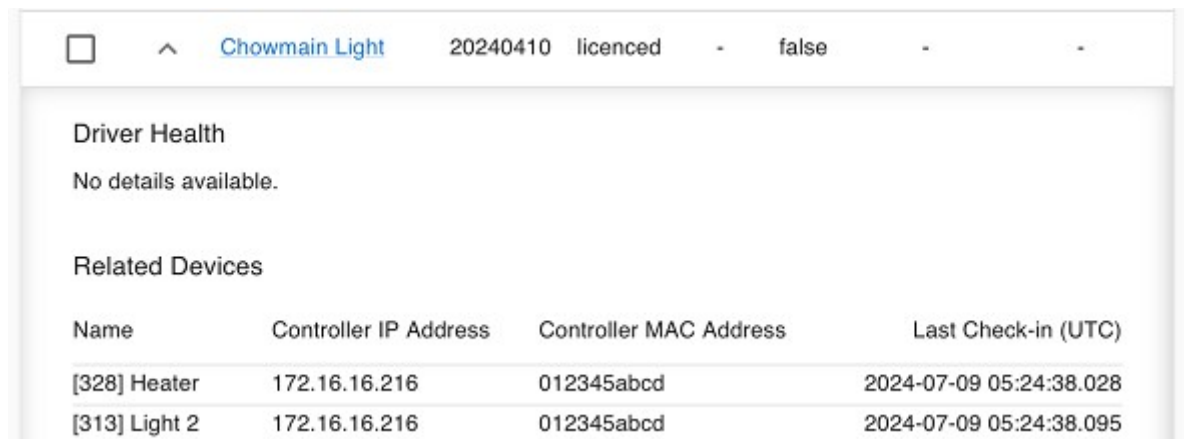


2. If the *Project Code* has been correctly entered in Chowmain Project Agent and the project is registered, you can find the list of Chowmain-licensed drivers deployed on your controller using the Chowmain website.

1. Navigate to [Chowmainsoft Website - Projects](#)
2. Select your Project Code



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



How does the trial period work?

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

What benefits does Chowmain Project Agent provide?

Chowmain Project Agent provides a number of benefits for projects

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

Where do I buy a Licence from?

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

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

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

Developer Information



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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 (V2 Driver Suite)

Version 20260408 - 2026-APR-08

- [Usability] Add Link to Enabling TPLink's Third Party Compatibility page to driver settings (Tapo Device, Agent, V2 Light / Outlet)
- [Usability] Improve Docs (All)
- [Misc] Minor backend updates (All)

Version 20260225 - 2026-FEB-25

- [Misc] Backend Improvements (All)
- [Usability] Test Email with first letter as capital as an option (KLAP Device)

Version 20251218 - 2025-DEC-18

- [Bug] Fix Issue with Submit Diagnostics
- [Feature] Add Bulk Auto Setup for Outlet and Light V2 Drivers (Agent)
- [Feature] Better Username / Password handling for KLAP devices which have uppercase letters in username (KLAP Device)
- [Troubleshooting] Improve Diagnostics (All)

Version 20250721 - 2025-JUL-21

- [Workaround] Workaround issue in C4 X4.0.0 with BUTTON_LINK Toggles on Relay lights (KLAP Light / V2 Light)
- [Stability] Apply improved error handling code. No issues have ever been observed in production. This is purely for safety purposes only (All)
- [Bug] Fix Anomaly for devices without CCT causing Light type to not Auto Detect (KLAP Light)

Version 20250526 - 2025-MAY-26

- [Bug] Login Emails should actually always be lowercase (KLAP Device)
- [Diagnostics] Avoid Anomaly when sending data when disconnected. This has no impact on the driver actually working, but avoids an error in the diagnostics when the driver is disconnected. (KLAP Device)

Version 20250519 - 2025-MAY-19

MAJOR NEW UPDATE! Now with Support for new KASA KLAP based drivers and Tapo (KLAP V2) based drivers.

- [Feature/New Drivers] This update introduces new KLAP (Tapo and KASA) drivers for TPLink Kasa devices. This includes support for the new KLAP firmware, and newer devices like the EP25, KP205,

KP240 and other authentication based devices. It is strongly recommended to use TPLink Agent for provisioning. You must enter your TPLINK Credentials into the Agent (or driver) settings for KLAP to correctly work.

- [Documentation] Documentation updates.
- [Feature] Support Authentication for TPLINK TAPO / KASA KLAP V2 Devices.
- [Usability] Auto Deploy drivers to controller during auto setup (KLAP Device, Agent)
- [Usability] New Diagnostics in Agent to identify if correct driver protocol is deployed (Agent)

Version 20250326 - 2025-MAR-26

- Improve Handling of "Light Bulb" type lights (LB130). Fix power off in scenes (Light)
- Improve compatibility with drivers which send bad data such as Security Light (Light)
- Improve Licencing (All)

Version 20241209 - 2024-DEC-09

- This version is now compatible with Control4 X4 (All)
- Rewrite Communications for the following benefits: (All)
 - This resolves intermittent issues some people may have encountered where communications may not have worked
 - Discovery should be improved
 - Improved performance/responsiveness
 - Full X4 Compatibility
- Remove the remainder of the DriverCentral Code. Minor Performance/network usage improvement (All)
- Agent will now detect and print warnings when KLAP devices are found (the new KASA protocol). Further works are in progress to support KLAP control (Agent)

Version 20240920 - 20-SEP-2024

- Improve Licencing

Version 20240806 - 06-AUG-2024

- Support for Chowmain Licencing
- Improved Troubleshooting
- Performance Improvements

Version 20230921 - 2024-APR-10

- [Bug] Fix Compatibility with some controllers (All)

Version 20230920 - 2024-APR-04

This beta does not include the new Presets/Lighting code, and is a direct fork from 20230404 with new Performance Enhancements. This build is recommended primarily for users on 20230404 or earlier. Users on Beta may encounter issues in some circumstances.

- [Performance] Reduce HTTP Connections required by Driver for operation (All)
- [Performance] Further reduction of CPU spikes (All)
- [Compatibility] Future Compatibility Updates (All)
- [Performance] Other Miscellaneous Bug and performance improvements (All)
- [Feature] Add Display Related Diagnostics and Display Extended Diagnostics (All)
- [Usability] Improve Auto Update Handling (All)
- [Troubleshooting] Improve Troubleshooting and Diagnostics (All)
- [Bug] Avoid Composer Error in OS3.4.X or later regarding Default Brightness Rate (Light V2)
- [Bug] Fix White Temperature, Hue, Saturation, Color Mode (Light V2)
- [Performance] Improve Staggering of Comms (Light V2, Outlet)
- [Troubleshooting] Major new Diagnostics. Some Diagnostics take 24hrs to become fully active (All)
- [Performance] When Debugging is enabled, Up to 28x-100x speedup in logging performance improvement in some benchmarks (ie, 6631ms vs 60ms). (All)
- [Performance] Print and Cloud Debugging will switch to cloud only after 24hrs automatically.(All)
- [Performance] Speed up other operations for logging and related activities by 9ms-22ms (All)
- [Bug] Many Miscellaneous fixes (All)

Version 20230404 - 2023-APR-04

- LightBulb had a bug where if "Setting Color Powers On Light" was disabled, in some circumstances, power would switch to off when setting Temperature modes. With Light Bulbs, it didn't perform correctly (Light V2) - Thanks Dan and Scott Kammlade
- Bindings, Buttons and Control4 On Commands will now use Default Brightness Value set in Composer instead of Previous value as per Control4 (Light V2)
- Use Click rates and hold rates correctly (Light V2)

Version 20230328 - 2023-MAR-28

- Support DayLight Agent (Light V2)
- Setting Color Powers On Light is now default to Disabled (Light V2) - Derek Miller
- Fix Minor bug with provisioning system discovered during code review (Agent)
- Remove old Light On/Off/Toggle bindings. These do not operate correctly were likely leftover from the original betas. Use Light Brightness Bindings instead (Light V2) - Thanks Mitch Greenfield
- Fix Potential Issue related to White Color Temperature discovered during code audit (Light V2)
- Further Backend Changes (All)

Version 20221222 - 2022-DEC-22

This is a Major Performance release which changes some fundamental ways the driver works. On large installations running underpowered controllers, this update has been demonstrated to bring the system load down from 25% load (with 40%+ spikes) to less than 10% running stable whilst allowing long polling and reduced latency across the entire system. This release introduces some of the similar optimisations which we previously added to Shelly. We no longer require fast polling for this driver to work reliably. User experience is improved and the entire experience should appear faster overall

Some major changes are as follows:

- Bulk Adjust all Poll Rates at once. This is ideal to speed up the drivers, or slow them down as required. (Agent)
- Stagger Polling between drivers over 30s to reduce CPU spikes. Instead of trying to pull all of the drivers at once, this means drivers will be polled gradually over a period of 30s or more (Light / Outlet)
- Increase Default Auto Discovery Poll Rate (Agent V2)
- Drivers will no longer report back their device details to agents every packet. Only when their Mac Address changes. Less Processing is now required (All V2)
- Only update provisioning directory when a device changes (All V2)
- Track less information for Provisioning purposes. Generate it only as required (All V2)
- Only try to receive data from a device after requesting it. Previously, we were regularly checking if there was data (Light V2 / Outlet V2)
- Low-Level major Performance improvements thanks to improvements made by SnapAV in OS 3. When upgrading from an earlier version of the driver, the controller requires a reboot for these optimisations to take effect
- Commands on average will now execute 500ms faster and feel instantaneous due to connection system enhancements (Light V2 / Outlet V2)
- Upgrade to new generation documentation system (All)
- Commands now include Device name to facilitate management (Outlet / Light)
- Split Code Base to facilitate bug finding (Outlet / Light)
- Ability to adjust Energy poll rate, or disable entirely. Some people may want to turn off energy polling if it isn't being used to reduce system load (Outlet)
- Light Status not updating correctly when using light bound directly to "outlet" WITHOUT outlet in place (Light)
- Add Support for subnet masks which are different to 255.255.255.0. Useful for Discovery on VLANs (Agent) - Requested by multiple people
- Major improvements to the connection stack to improve handling

Thanks everyone for the assistance including (but not limited to):

- Trey Nolan
- Clint Watkins
- Mitch Greenfield

- Nicolai Landschultz @ IndigoZest
- Snap AV Team
- Chris @ Electronic Living
- Everyone who responded to our facebook thread regarding documentation
- Everyone else who requested features or assisted with testing

Version 20220710 - 2022-JUL-10

- Fix Regression with dimming rates on compatible lights (Light V2) - Thanks Light Maleski

Version 20220620 - 2022-JUN-20

- Fix compatibility with non-english locales (All) - Thanks Leonardo Reyes
- Hide Extras on lights without extras (Light V2) - Thanks Trey Nolan

Version 20220616 - 2022-JUN-15

- Fix Bug with errors on fresh controllers (All)

Version 20220615 - 2022-JUN-14

- Fix Regressions (Light, Outlet, Agent)
- Revert change to Scanning. In some circumstances, will crash (Agent)

Version 20220614 - 2022-JUN-14

- Provide new setting to automatically power on lights during color set. Please be aware of the known limitations.. (Light)
- Support Automatic Error Reporting (All)
- Improve scanning / Auto-detection (Agent) - Thanks Justin Hall
- Fix issues with incorrect state settings (Light) - Reported by a few people (Thanks all)
- Fix Support for KL430's HW Version 2. (Light) - Thanks Daniel @ New Brighton TV & HiFi

Known Limitations:

- The Color of TPLink Kasa Devices cannot be set when device is powered off. This is a limitation of the TPLink API.

Version 20220608 - 2022-JUN-08

- Fix Voice Scene / Alexa support (Light) - Thanks Trey Nolan / Eldon

Version 20220603 - 2022-JUN-03

- This is a complete rewrite which introduces our new TPLink Kasa V2 drivers. This new suite of drivers requires OS 3.3.0 or later and is comprised of only 3 generic drivers:
 - TPLink Kasa V2 Generic Outlet Driver: Combined driver which is suitable for all current Kasa outlet devices
 - TPLink Kasa V2 Light: New OS 3.3 optimised lighting driver, which offers one driver, which suits all Kasa lighting devices. For those who wish to display their TPLink outlet devices as a light, this can also be linked to the outlet driver.
 - TPLink Kasa Agent: Offers Self Healing of IP's for Kasa devices, auto-detection, and device management

Some of the new V2 Features are:

- New OS 3.3 compatible ColorWheel driver which supports temperature and colors
- New OS 3.3 compatible Color Scenes Integration
- Improved Device discovery
- Only 3 drivers required for all devices (with better support for untested devices), instead of 11.
- New integration of Light effects via OS 3.3 Extras. Users have easier access to available effects
- Support for Load Groups. Lights can now be used in combination with Control4's Dimmer Load Group Driver for control of multiple lights with a single driver. Please note, this does not support CCT/RGB lights at this time (Light V2)
- Improved Lighting Button Links, with new capabilities
- Auto Setup for all devices. Simply add the drivers to Control4, click auto-setup in Kasa Agent and all devices will be automatically added
- Improved Troubleshooting. Ability to Self-diagnose common issues using the "Display Diagnostics" Action. For support, common diagnostics can be submitted to the Chowmain team with 1 click for faster troubleshooting.
- Improved Compatibility

We would like to thank everyone who contributed to the testing of this rewrite including:

- Trey Nolan (and family)
- Jason Gotz
- Mitch Greenfield
- Nicolai Landschultz @ IndigoZest

Change Log (V1 Driver Suite)

Version 20210119 - 19-JAN-2021

- Updated to new Driver Central licensing

Version 20200402 - 02-APR-2020

- Rediscovery improvements

Version 20200401 - 01-APR-2020

- Rediscovery improvements for HS1XX driver and HS200 driver

Version 20200310 - 10-MAR-2020

- Fixed toggle command for HS200

Version 20200130 - 30-JAN-2020

- Added Circadian Rhythm support to LBXXX/KLXXX Light Bulb driver.

Version 20200127 - 27-JAN-2020

- Fixed issue with JSON library encountering empty array on discovery of certain TP-Link Kasa devices.

Version 20200121 - 21-JAN-2020

- Fixed typo for KP303 events
- Updated KP303 to support discovery of all KP303 models (they just released one in the UK).
- Improved detection of IP address change

Version 20200113 - 13-JAN-2020

- Fixed auto discovery for bulbs
- Added KL430 LED Strip support (including effects)

Version 20191223 - 23-DEC-2019

- Improved rediscovery of light bulbs if no response.
- Fixed issue with HS110(US). For some reason US # Versions utilise watts (POWER) where international is Milliwatts (POWER_MW)

Version 20191216 - 16-DEC-2019

- Fixed energy for HS110 on new protocol.
- Fixed energy for HS300 due to incorrect resetting of min/max readings.
- Fixed discovery of HS220
- Fixed toggle for HS220
- Fixed toggle for Bulbs

Version 20191213 - 13-DEC-2019

- Fixed energy variables for HS300
- Updated HS220 to new protocol that the other drivers use.
- Added HS200 driver (rather than using the HS1XX driver)
- Added property to enable/disable auto hiding of proxies for light bulbs
- Fixed issue effecting feedback introduced by # Version 20191211 for bulb drivers

Version 20191211 - 11-DEC-2019

- Updated HS1XX and Bulb driver to new protocol that the other drivers use.

Version 20191127 - 21-NOV-2019

- Added support for KP303
- Fixed issue with discovery if you have multiple TP-Link units trying to discover at the same time.
- Added Color Temperature min and max properties as per request for lighting.

Version 20191021 - 21-OCT-2019

- Resolved issue where the driver would capture the wrong units details if multiple units are found.

Version 20191009 - 09-OCT-2019

- Improved fixed IP address compatibility.
- Fixed issue where hue color range was not complete. Should now have a complete 360 degree color range.

Version 20190903 - 03-SEP-2019

- Fixed issue where polling for feedback fired on and off events
- Resolved issue with ramping times below 1 second. Now rounds up to 1 second if it is above 0 but below 1.

Version 20190515 - 15-MAY-2019

- Fixed issue introduced in 20190506 for feedback of devices with auto discovery disabled.

Version 20190506 - 06-MAY-2019

- Fixed issue where if the device IP address changes and another TP-Link Kasa device changes to the old IP address the driver won't auto-discover as it assumes it is online.

Version 20190222 - 22-FEB-2019

- Initial Release

