Govee Installation and Usage Guide

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Overview

Govee creates high-quality LED lighting and smart home devices. They diligently strive to provide you with groundbreaking products that help illuminate your greatest moments in dynamic color. Govee devices include Smart Sockets, indoor LED strips, TV backlighting, floor lamps, table lamps, smart bulbs, guided lighting and more

PLEASE NOTE Govee has introduced Rate limits on their server which as of mid 2022 limits state changes to 10 changes per minute per device. Display Diagnostics can assist with identifying if you have hit rate limits. For that reason, we do not recommend doing programming like flashing lights in a loop or you may hit limits.

Usage Scenarios

- Fully immerse yourself in your video games, movies, or TV shows with the Govee LED TV backlights and light bars.
- Govee creates some pretty interesting lighting solutions with wall lighting, floor lamps, table lamps and more. This really gives you some pretty interesting options to create the perfect mood with Govee and Control4.
- Replace existing bulbs with Smart LED bulbs for brightness, color temperature and RGB based control.
- Utilise Govee smart plugs to turn on and off devices like fans, humidifiers, coffee machines and more.

Features

- Bi-directional control and feedback
- Cloud based integration
- Import of all Govee lighting from the customer account
- On / Off control
- Brightness control
- Color Temperature control
- RGB Color control
- Advanced Lighting Scene Support
- Color Wheel Support (Requires OS3.3.0+)

Change Log

Version 20220509 [Stable]

This is a major new release

- Added New Govee Light V2 Driver for OS 3.3.0 or later (Light V2)
- Add Diagnostics and Submit Actions (All)
- Fix BUTTON_LINK (Light V1,Light V2)

It is recommended all users upgrade to Control4 OS 3.3.0 or later and switch to our newer Light V2 Driver

Version 20220216

- Update Debugging (all)
- Fix LUA Error During First-Run (Agent)
- Minor cleanup
- Additional Backend Changes
- Fix Scenes in Light

Version 20211112

- Further Improve Debugging

Version 20211005

- Improve Debugging
- Fix Lua Error

Version 20210705

- Initial release

Adding the driver to your project

1. Launch the **Composer Pro** and connect to your project
2. In the **Agents** page click on **Add**
3. Click on **Govee**
4. Select the **Govee** agent on the left hand side.
5. Enter in the **Govee API** Key you obtained earlier
6. Click on **Actions**
7. Click on **Import Devices**
8. In the **System Design** page select the **Search** tab on the right hand side
9. Search for **Govee**
10. For each light and outlet double click the **Govee Light V2 Driver** (recommended for lighting, requires OS3.3+), **Govee - Light Driver** or **Govee (Outlet Driver)** driver.
11. Click on the **Connections** tab and select the **Govee** agent.
12. Bind each light or outlet connection to the drivers you installed earlier

Govee				
Name	Type	Connection	Input/Output	Connected To
Control Outputs				
H6003_25ae	Control	GOVEE_LIGHT	Output	H6003_25ae Brightness->GOVEE
H6159_A7F5	Control	GOVEE_LIGHT	Output	H6159_A7F5 Brightness->GOVEE
Dimmable LED Bulb	Control	GOVEE_LIGHT	Output	Dimmable LED Bulb Brightness->GOVEE
Smart Plug	Control	GOVEE_ONOFF	Output	Smart Plug->GOVEE

13. The driver will automatically rename itself to the name on the Govee app. If you wish to name this something else please make sure change the **Auto Rename Device** property to False

Auto Rename Device	True

14. When using the original Govee Light driver, the driver will also automatically hide unused proxies. If you wish to manipulate this yourself (hide more or hide less) then please set **Auto Hide Proxies** to False. The new Color Wheel driver does not require multiple proxies, so this option is no longer required.
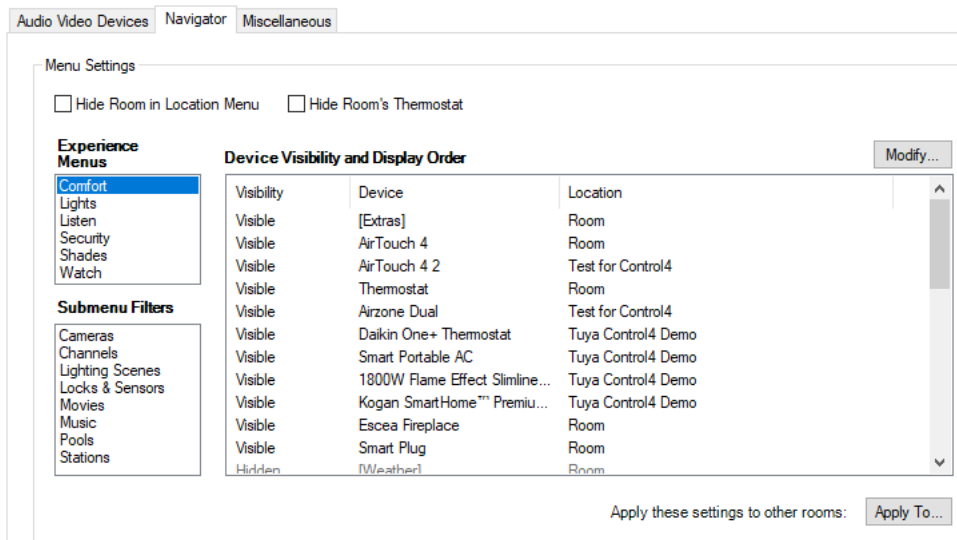
Auto Hide Proxies	True

15. You can also change the icon type for the outlet. By default it is set to the US outlet type but you can select any outlet type in the world or alternatively a button type.
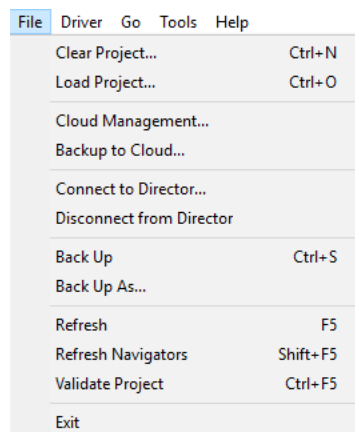
Auto Rename Device	True
Icon Type	OUTLET-A
	OUTLET-A
Last Update	OUTLET-B
	OUTLET-C
	OUTLET-D
Light ID	OUTLET-E
	OUTLET-F
	OUTLET-G
Light Name	OUTLET-H
	OUTLET-I
Light Model	OUTLET-J
	OUTLET-K
	OUTLET-L
Current Online State	BUTTON-A
	BUTTON-B
	BUTTON-C
Current Power State	BUTTON-D

16. The outlet lights will also need to be shown in the appropriate menus. You will need to make the device visible in the experience menu of your choice (recommended Comfort or Security). As an

alternative you can also bind the driver to a relay device for an alternative icon.

17. Select **File** then **Refresh Navigators**

18. Congratulations you have set up the Govee Driver

Device Commands

The Govee drivers have additional commands that are not standard to the proxy which add additional functionality.

PLEASE NOTE Govee has introduced Rate limits on their server which as of mid 2022 limits state changes to 10 changes per minute per device. Display Diagnostics can assist with identifying if you have hit rate limits. For that reason, we do not recommend doing programming like flashing lights in a loop or you may hit limits.

These commands are listed below

Color Wheel Driver
No commands are required (use native proxy commands)

Light Driver

Command Name	Command Parameters
Color	Red, Green, Blue

Outlet Driver

Command Name	Command Parameters
On	N/A
Off	N/A

Device Feedback

Proxy Feedback

The Govee drivers have the following feedback.

Light V2 Driver

- Power
- Brightness
- Color Temp
- Color

Light Driver

- Power
- Brightness
- Color Temp
- Color

Outlet Driver

- Power Status (ON/OFF)

FAQ

What is the difference between the Light V1 and Light V2 Drivers

- Native ColorWheel Support
- White Temperature Selector
- Native support for Advanced Light Color / White Temperature based scenes
- Improved diagnostics support
- Improved management of light capabilities.
- V2 requires OS3.3.0+
- Scene ramping support
- Support for Dimmer Load Support (not compatible with Color lights)

We recommend upgrading all customers to V2 and OS 3.3.0+ when possible for the best experience

Where can I purchase these devices from?

Govee is available in the US, Canada, Europe and United Kingdom through various retails. Please visit http://www.govee.com for more details

How do I activate scenes and other features?

The Govee API does not provide us with the ability to activate scenes, turn on movie mode, music mode and other cool features. When the API is updated to provide this functionality we will update the driver to include it.

How do I obtain an API key?

You can request an API key through the Govee app. This API key ties it to the customer account the app is logged in with.

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 intermittently lose control after making a lot of status changes

Govee has rate limits which affect the number of state changes you can make per minute. As of Mid 2022, these are 10 state changes per device per minute.

Why no dimmable button links?

Dimmable button links would unfortunately exceed server quotas fairly quickly.

Licensing

- How does the trial period work?

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

- Where do I buy a Licence from?

  This driver is developed by Chowmain software & Apps and is distributed by driverCentral, Inc
  https://www.drivercentral.io/chowmain-ltd
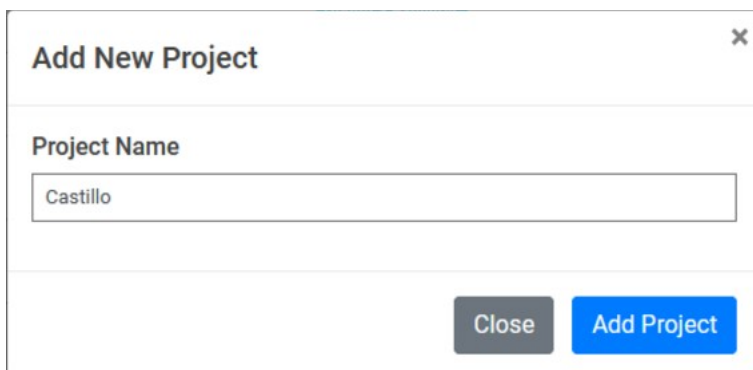
  To purchase a driver:

  1) On driverCentral, purchase a license and register it to your project

  1) If the driver is not already installed in your project, download it and install it

  1) If necessary, use the cloud driver's Action: "Check Drivers" to force the licence to download into the project
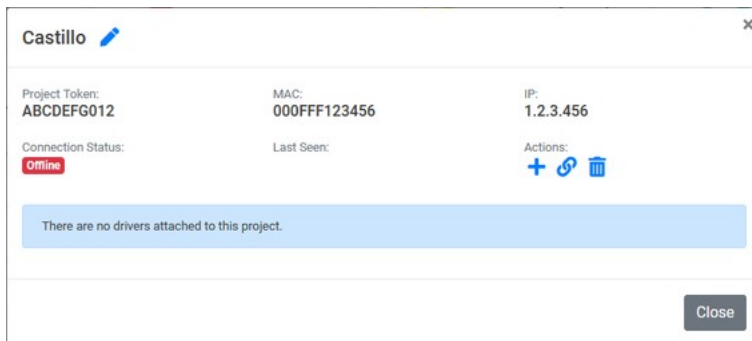
Creating a Project on Driver Central

1. Visit http://www.drivercentral.io

2. Log into your driver Central dealer account

3. Click **Portal**

4. Click **New Project**

5. Enter the project name

6. Click **Add Project**

7. Click on the project we just created

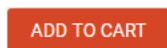| Project	Status	Created
🏠 Castillo	Unassigned Project	1999-12-31 23:59:56

8. Take note of the **Project Token** as this will be used later when we install the Cloud Driver
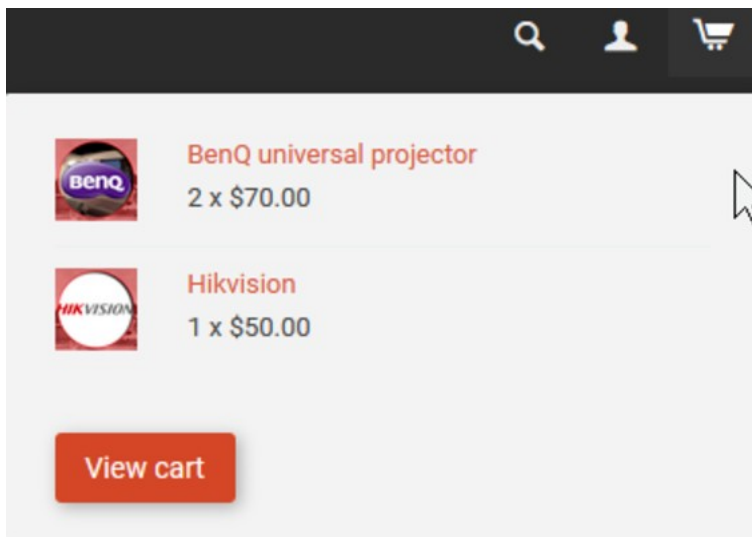

9. Click **Close**

Purchasing a Driver Licence
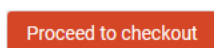
1. Visit https://www.drivercentral.io/chowmain-ltd/ and find the product/driver you want to purchase a licence for

2. Click on **Add to Cart**

3. Now click the shopping cart icon (top right) and click **View cart**

4. Confirm that your order is correct and click on **Proceed to checkout**

5. Choose your payment option, provide the relevent details and click **Place order**

Checkout

PayPal
Paypal, or Credit Card...

Credit Card
Visa, Mastercard, etc...

☐ Select this check box to accept the Terms and Conditions
☐ Subscribe to our newsletter

Place order ($190.00)

6. You will now be at a page where you can see your purchased licence

License Name ⬍	License Key ⬍	Project Assigned ⬍	Action ⬍
███████████			Assign to Project

7. From here assign the licence to the project we created or if you did not follow that step create a new project

License Assignment for
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Assign License to Existing Project

Select Existing Project:

New Project (enter project name below) ▼

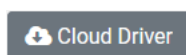**Or...**

Create a new project

Enter New Project Name

Enter email for Installer Notifi

Are you sure you want to do this?

Assign License to Project?

Install the driverCentral cloud driver

1. Visit http://www.drivercentral.io

2. Log into your driver Central dealer account

3. Click **Portal**

4. Click **Cloud Driver**

☁ Cloud Driver

5. Copy the C4Z driver to My Documents\Control4\Drivers directory

6. Add the driver to your project

7. Click on the driver to view it's properties

Cloud Status	Please enter cloud project token below...
Project Information	(1) Total, (0) Licensed, (0) Trials, (1) Expired, (0) Updates.
Driver Version	1001
Project Token	
	Project token from driverCentral.io project portal
Driver Actions	⌄
Debug Mode	Off ⌄

8. Type in the project token we took note of earlier

9. Click **Actions** tab

10. Click **Check Drivers**

Install Chowmain driver

1. Install the Chowmain driver

2. You will notice that the Activation Status reflects a Licence Activated state

3. Any driver that does not have a purchased licence will have a trial licence activated via the marketplace
   Note that there is no way to reactivate the trial so please use wisely

4. If you do not then press the Check Drivers action in the driverCentral Cloud driver again

Activation Status	Update Available!!! License Activated
Driver Version	1002
Driver Information	Navigate to connections tab and make serial binding
Automatic Updates	Off ⌄