

JellyFish Lighting Controller

Compatible Systems:

Designed to work with Nice (formerly known as Elan) 8.9+

Compatible Hardware:

JellyFish Lighting

Expected Integration Time:

3-5 minutes setup/initial connection. 30-45 minutes for UI setup configuration for 1-3 Lighting Areas

Documentation, Driver Download & Change Log:

https://drivercentral.io/platforms/elan-drivers/lighting/jellyfish-lighting

Installation/Integration Support

Please contact manufacture directly: <u>JellyFish Help Center</u>

Overview

JellyFish Lighting makes premium permanent outdoor lighting that immediately adds curb appeal and character to your home or business! The system is capable of being used for nightly accent lighting that can also be a light source for you security cameras, or change to festive decorations for your favorite holidays and events with a few quick button clicks. Now you can easily manage JellyFish Lighting with your Nice (formerly known as Elan) smart home and this driver!



Integrator Notes

- Review this document especially the setup/configuration sections for specific integration requirements
- The driver communicates using WebSockets via IPv4. Communication will attempt to reconnect every 30 seconds and remains active always.
- The driver only reads the configuration of the JellyFish system on initial load. If you make changes in the JellyFish (names, patterns) you will need to press the Get Configuration button to receive new information.

Setup

JellyFish Setup

- Setup JellyFish controller and verify system works using the native App.
 - Note: Light Names are the ID Values of the driver... If you change the Light Name, you'll need to update this driver as well.
- Static or Reserve the IP address on the network.
- Verify JellyFish controller and Nice controller are on the same network and subnet.

What's in the driver zip folder?

The driver download zip file contains three items.

- JellyFish_Lighting.EDRVC is the driver file that will be installed on the Core controller.
- custom_page_patterns_template.ECV is a pre-built Custom Page that can optionally be imported/modified for your specific project to speed up UI design.
- **images** for pattern categories. These are stored in *System Images/DRIVER_ID*/folder automatically for you.

Setup Lighting Driver in Nice (Elan)

- Add a Lighting Controller (under the Lighting Section)
 - Click Import at the bottom and select the file **JellyFish_Lighting.EDRVC**
 - See Documentation Images Importing Driver Example
 - Select and Install the JellyFish Lighting Controller by Cindev
 - Enter the IP Address of the JellyFish Controller
 - Note: This driver only connects to a single JellyFish controller, if you have multiples, please add multiple instances of this driver and connect to the individual IP addresses.
 - If successful, the driver will set the JellyFish Version and JellyFish Name values accordingly.
 - See Documentation Images Functioning Controller Driver
 Example
- Add Lighting Devices to the project
 - Manually Add Each Light and Scene you want to use in the project
 - OR
 - Use the Driver Actions
 - Add Devices
 - This will attempt to add new Light *SWITCH* drivers to the project for each Light on the JellyFish Controller.
 - If there is an existing driver that has a matching *Light Name* then it will be skipped.
 - Add Scenes
 - This will attempt to add new Light *SCENE* drivers to the project for each Pattern Category.

- Driver will pick the first Pattern for each Category.
- If there is an existing Scene that has a matching *Category* then it will be skipped.
- Configuring SWITCH Lighting Device
 - Each Lighting Zone is an ON/OFF Switch in Nice. JellyFish does not support Zone Dimming.
 - Required Values.
 - Light Name is the name of the light in JellyFish (case-sensitive)
 - Set the Location for the light
 - See Documentation Images Switch Driver Example
- Configuring SCENE Lighting Device
 - Each JellyFish Pattern can be a *scene* in Nice. The driver can connect to as many scenes as needed but only adds one per Category by default. Additional scenes can be added manually.
 - Required Values:
 - **Category** (ex. Autumn, Christmas, Special Effects)
 - Pattern (ex. Paint Red Orange Yellow, Mint, Red Green Comet)
 - Optional (Set Location for Scene).
 - Scenes actions that do not include a Light device with them will set *All Lights* to this Scene/Pattern.
 - See Documentation Images Scene Driver Example

DRIVER IS NOW CONNECTED AND FUNCTIONING WITH NICE

Additional setup/configuration for UI is still needed.

Additional Configuration/Options/Settings

Scene and Pattern Control

- To execute a scene/pattern in JellyFish there needs to be a category, pattern and a light to apply the pattern to.
- The driver will BUFFER (150ms) incoming pattern and light state changes and process them together as one.

- If scene/pattern request and NO light states were also included, the driver will set *All Lights* to this scene/pattern.
- If the scene/pattern request was OFF and NO lights were included, the driver will turn off *All Lights*
- Lights set to OFF discretely will always turn off
- Lights that do not include a pattern/scene request will use previous scene.
- If you are changing multiple lights + patterns at the same time, add 250ms delay between actions.
- Scene Drivers do not have a State. Scene On/Off tracking is not available.

Creating Custom Pattern + Specific Light Areas actions

- Create a Virtual Lighting Keypad (Empty Keypad)
- Add Scene for each pattern/light group you need
- Add Actions:
 - Set a Pattern
 - Set Light States to be at this pattern
- You can now use these custom buttons in Macros, Event Mapper, UI Dashboards
- See Documentation Images Custom Pattern+Lights Keypad Example

Creating Custom Page for Lighting

The manufacture recommends creating a colorful dashboard utilizing the icons provided in the driver for the customer. To help facilitate this, Cindev has included all the icons used in the JellyFish App available. These images are stored under **System Images/Driver_ID/** folder.

- Create a Custom Lighting Page
 - Name it something similar to **Home Outdoor Lighting** or other title that would make sense for the customer.
- Right-click on the Page and click Import from File
- Use your own or the provided **custom_page_patterns_template.ECV** file that was included in with the driver.
- Link ICONS to proper icons for each pattern.
- Link Pattern Buttons to Built Scenes Drivers

- Link Light Buttons to Light Drivers
- Hide/Show on specific Interfaces/Locations
- See Documentation Images Custom Page Example

Documentation Images

Importing Driver Example

System	🛒 Comr	nunication Devices	Lighting	Controllers			
Security	🔮 Lighti	ng Controllers					
Climate	E Keyp	ad Interfaces					
Lighting	Custo Schel	dule Lavout					
Content	Schedule	ad Templates					
Media	Custo	om Pages	Add New	v Lighting Controller			
Messaging	iii Interf	ac Device Name	New Device				
Irrigation		Name		Version	Vendor		
Pool Control		Leviton Z-Wave RS232 Co	ontroller		Nice		
Utilities		Lutron Caseta Lighting Lutron HomeWorks Graph	hikEve	1.0.1	Nice Nice		
Interface 📕		Lutron HomeWorks Illumi	nation (Ethernet)		Nice		
Input/Output		Lutron HomeWorks Intera	active		Nice		
Event Mapper		Lutron HomeWorks QS Lutron HomeWorks QSX/	RA3 (LEAP)		Nice Nice		
Layout		Lutron RA2 Select Lighting	g (LEAP)	0.0.2	Nice		
		Lutron RadioRA			Nice		
		Lutron VIVE (LEAP)			Nice		
		Luxom Lighting Controlle			Nice Nice		
		Nice G.O.		1.1.3	Nice		
		PCSPGW			Nice		
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Functioning Controller Driver Example

System	Communication Devices		
Security	🔺 💡 Lighting Controllers		
Climate	JellyFish Lighting Controller	Name	JellyFish Lighting Controller
Lighting Content	Keypad Interfaces Custom JellyFish Scenes	Device Type	JellyFish Lighting Controller
Media	Customizable Scenes	System ID	8281
Video	 Schedule Layout Keypad Templates 	Status Color Coding	Enable
Messaging	🖌 🔚 Custom Pages	Status	<u> </u>
Irrigation Rool Control	▲ Home Outdoor Lighting	Driver Version	20241206
Utilities	Large Interface	Driver Vendor	Cindev
Interface 📕	HHR Interface	Driver Type	3048
Input/Output	HR10 Interface	Install Date	12/6/2024 9:53 AM
Event Mapper	Interface Groups	Powerlink	< NONE >
Layout		IP Address	192 . 168 . 10 . 53
		Port	9000
		JellyFish Version	4.1.5
		JellyFish Version JellyFish Name	4.1.5 CinDev Smart Home
		JellyFish Version JellyFish Name Driver Actions	4.1.5 CinDev Smart Home (Select)
		JellyFish Version JellyFish Name Driver Actions Disable UI Update	4.1.5 CinDev Smart Home (Select)
		JellyFish Version JellyFish Name Driver Actions Disable UI Update Device Class	4.1.5 CinDev Smart Home (Select) ▼ Light (General) ▼
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Switch Driver Example

System	Communication Devices	Lighting Load: Nor	th Side Lights
Security	🔺 👻 Lighting Controllers		
Climate	🔺 💡 JellyFish Lighting Controller	Name	North Side Lights
Lighting	Lighting Devices	Display Name	North Side Lights
Content	Front Area Lights		
Media	Backyard Lights	System ID	8296
Video		Device Type	On/Off Device
Messaging		Device Class	Controller Setting
Irrigation	Halloween	Include in UI	\checkmark
Pool Control	🗉 Winter	Location	Erant
Utilities	🗄 Special Effects	Location	Floit
Interface 🛑	🗄 St Patrick's Day	Light Name	North Side Lights
Input/Output	🗄 Valentine's Day		
Event Mapper	🗄 Holidays		
Layout	Accent		
	Independence Day		
	Easter		
	Thanksgiving		
	🗄 Warm Cool		
	🗄 Spring		
	🗄 Autumn		
	🗄 Christmas		
	E Colors		

Scene Driver Example

System	Communication Devices	Scene Device: Ha	alloween
Security	Lighting Controllers		
Climate	JellyFish Lighting Controller	Name	Halloween
Lighting	Lighting Devices	Display Name	Halloween
Content	Front Area Lights	Display Hume	Hunoween
Media	Backyard Lights	System ID	8317
Video	Unorth Side Lights	Device Type	Scene
Messaging	E TestCategory	Device Class	▼
Irrigation	Halloween	Include in UI	
Pool Control	Winter		
Utilities	Special Effects	Location	None
Interface 🛑	🔲 St Patrick's Day	Category	Halloween
Input/Output	🔲 Valentine's Day	Pattern	Paint, by Spooky
Event Mapper	🔒 Holidays		
Layout	E Accent		
	📕 Independence Day		
	📕 Easter		
	Thanksgiving		
	📕 Warm Cool		
	Spring		
	Autumn		
	E Christmas		
	E Colors		
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Custom Pattern+Lights Keypad Example

System	Communication Devices	Custom JellyFish S	cenes		Control Propertie			
Security	🖌 🏺 Lighting Controllers					Front Light	s (Autun	nn)
Climate	▷ 💡 JellyFish Lighting C	Name	Custom JellyFish Scenes		Style	Toggle		T
Lighting	🔺 🔜 Keypad Interfaces	System ID	8430		Actions:	Button Rele	ase	1 .
Content	Custom JellyFish Sc	Device Type			- Autumr	, ,	7 On	÷.
Media	Schedule Lavout		None		- Front A	rea Lights 1	7 On	
Video	Keypad Templates					ida Liahte 3	Z On	
Messaging	Custom Pages					ide Lights		ע
Irrigation	🔺 🔚 Home Outdoor Light		Front Lights (Autumn)			Delete	Control	
Pool Control	Large Interface							
	HHR Interface							
Input/Output	HR10 Interface							
Event Mapper	interface Groups							
Layout								
		Apply	Scono	Delete				
(Scene	Delete				

Custom Page Example



Pattern Image Folder Location



Warranty & Disclaimer

https://jellyfishlighting.com/faq/

See What is the warranty? section

Developer Information

brought to you by: Cinegration Development, LLC



<u>www.cindev.com</u> <u>www.drivercentral.io/cinegration/</u>

We are always looking to improve our drivers. Please send your suggestions to: info@cindev.com