

# KinCony Light Driver User Guide

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## 1. Overview

The KinCony Light Driver is a Control4 (C4) DriverWorks-based driver designed to control KinCony light devices via IP network communication. It enables seamless management of light states (Open/Closed), supports channel customization, debug logging, Advance Lighting, and real-time state feedback with UI icon updates. This driver integrates with KinCony Gateway. The minimum system version required is OS 3.3.0

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## 2. Key Features

- **Channel Configuration** – Supports light channel selection (1 to 254) to target specific light outputs.
  - **Log Mode** – Enables debug logging (automatically disabled after 15 minutes to reduce overhead).
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## 3. Installation

### 3.1 Driver Import

1. Open your project in Control4 Composer.
2. Navigate to **File > Import Driver** and select the **KinCony Light Driver.c4z** file.
3. The driver will be added to your project device library.

### 3.2 Add Device to Project

1. Go to the **System Design** tab.
  2. Locate **KinCony Light Driver** under the manufacturer list and drag it into your project room.
  3. Open the **Connections** tab, under the **Control/AV** category, bind the KinCony Contact Driver connection to your existing KinCony Gateway device.
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## 4. Configuration

After adding the device, configure the following properties via C4 Composer (under the **Properties** tab):

Property Name	Type	Description	Default Value
<b>Channel</b>	Ranged Integer	The relay output channel number (1–254) on the KinCony gateway that this driver controls. Each driver instance corresponds to one single lighting circuit.	1
<b>Log Level</b>	Drop-down List	0 - Fatal: Only records critical fatal errors. 1 - Error: Records error-level messages. 2 - Warning: Records warning-level messages. 3 - Info: Records basic runtime information.	5 - Trace

Property Name	Type	Description	Default Value
		4 - Debug: Records detailed debug information. 5 - Trace: Records full trace-level communication data	
<b>Log Mode</b>	Drop-down List	Defines the output method for log messages.	Off
<b>Version</b>	Read-only String	Displays the current firmware version of the driver.	1.0

## 5. Supported Commands & Actions

The driver responds to the following commands/actions for light control:

Command / Action	Description
<b>ON</b>	Sends command to open the light.
<b>OFF</b>	Sends command to close the light.
<b>TOGGLE</b>	Sends command to toggle the light.

## 6. Troubleshooting

### 6.1 No Debug Output

- Ensure **Log Mode** is set to **Print**.
- Reopen the Lua console window to refresh the log output.
- Note that debug mode automatically turns off after **15 minutes** to reduce resource usage.

## 7. Copyright & Version

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