

Proluxe DMX IP Gateway

Compatible Control4 Systems:

Designed to work with OS 2.10.x, 3.0+

Compatible Hardware:

American Lighting DMX Lights and LED Strips
DMX decoders connected to the DMX IP Gateway
[Proluxe by American Lighting DMX IP Gateway](#)

Driver Download, Change Log & Documentation:

<https://drivercentral.io/platforms/control4-drivers/lighting/proluxe-american-lighting-dmx/>

Overview/Features

Integrate DMX lighting using the Proluxe DMX IP gateway and accompanying drivers.

- Controls DMX lighting via IP
- Control4 3.3 Color Wheel and Temperature Support
- Local control (does not use Cloud)
- SDDP Supported
- CCT, Tunable white supported
- RGB, RGBW, RGBTW with color supported
- Connection bindings for each channel
- Preset driver for easy control of color, ambiance, rotate and randomization features
- Multiple Universes Supported

Dealer Notes

Master controls or DMX controls that send out DMX signals are not supported

Dealer **MUST** use SDDP

Default Gateway settings **Network 000**, DMX Universe (all ports) **000**

Driver Setup

1. Wire DMX Decoders into Gateway
 1. ProLuxe decoders have a RJ-45 connection making it simple to connect all decoders and gateway together
 2. Each Port on the DMX Gateway can be assigned a unique Universe Address.
By default all Ports are set to **000** Universe.
2. Use SDDP and add the Gateway driver to the project
3. Enter highest DMX channel used on the project (can be adjusted later without redoing programming)
4. Set the DMX Network if needed (usually 0)
5. Set the matching DMX Universe to the Universe assigned to the Port.
 1. Example: if Port in use is **DMX IN/OUT - P1SubUni** and is set to *000* (default)
 2. Set the DMX Universe to **000**
6. Dealers can use Driver Actions: Turn All On/Off to activate **all** DMX channels. This does not notify light drivers if connected and is only intended for testing.
7. Add Light drivers to project
 1. **Current 3.3+** Light Driver
 1. Works with Control4 Color Wheel
 2. To be used with 3.3 onward
 2. **Legacy - 3.2.4 and lower**
 1. ICH Brightness Driver
 1. Used when dealer is only controlling a single DMX channel/light

2. Supports Brightness adjustment (0-100%)

2. 2-3CH Brightness and Ambiance Driver

1. Used in Warm/Cool lights

2. Supports Brightness adjustment (0-100%)

3. Supports Ambiance adjustment (0 -> lowest temperature K, 100% -> highest temperature)

4. 2CH mode will set lowest temperature to 2700K by default

5. 3CH mode will set the lowest temperature to 1800K by default

6. Supports direct temperature selection in programming

3. 3-5CH Brightness, Ambiance, and Color Driver

1. Used with RGB, RGBW, RGBTW lights

2. Same features as Brightness & Ambiance driver

3. Supports specific color selection via Programming

4. Supports a single slider for color selection

5. When Color is select, Ambiance will be set to 0%

6. When Ambiance is selected, color will be set to 0%

8. Make DMX channel connections via Connections Tab

9. (optional) Add Light Preset Driver

1. Used to Select a specific color via Control4 Navigator

2. Can be setup to rotate through a group of colors

3. Randomization of colors

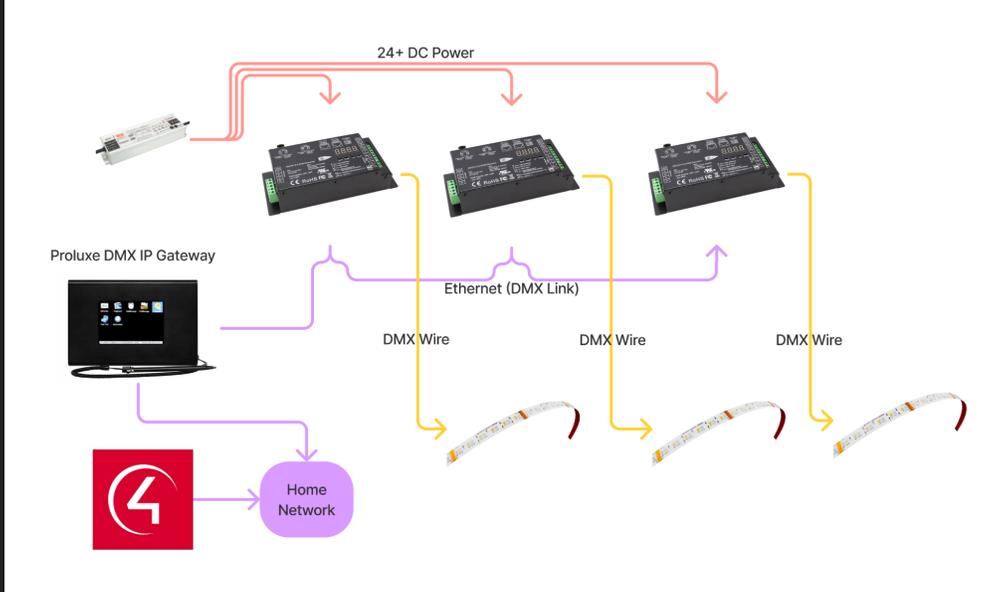
4. Auto Turn off Features

5. *Recommend* setting driver as a favorite to the room

10. Refresh Navigators

Configuring DMX with ProLuxe Gateway

Dealers need to create a DMX channel plan prior to setup of the driver. Hardware layout should be as follows:



C4 Tech Tip: DMX is similar to IP in the sense the term *channel* would be the last octet of the IP address and *universe* as the subnet.

Channels LED Tape light connects to *decoders* for power. Level/Addressing is handled by the *decoder*

Decoders receive power and brightness information and set the specific channel this level. The decoders address is the first channel it will control.

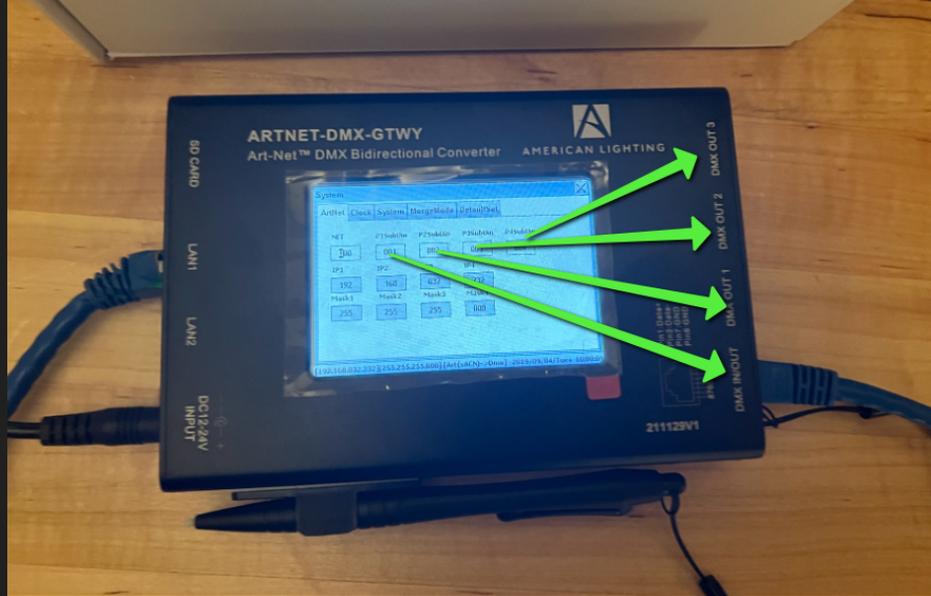
- Example, the [DMX 5 CHANNEL DECODER](#) set to address 2 would control DMX channels 2, 3, 4, 5, 6.
- Decoders are linked together via DMX link.
- Multiple decoders can have the same address and will operate in a grouped fashion

Universe is a single DMX chain link with a total of 512 controllable DMX Channels. ProLuxe supports 4 discrete universe outputs or a total of 2048 DMX channels.

Gateway The gateway receives messages from Control4 via IP and *routes* the DMX message to the specific universe.

Multiple DMX Universes

The ProLuxe Gateway can be configured to control up to 4 different DMX Universes. To setup a new universe:



- Hardware Setup
 - Go to the Settings Page on the Gateway
 - Set the **PXSubUni** port to the universe you want to use (000 - 004)
 - Ports can be configured to output the same universe. In this case the ports would operate in a grouped fashion.
- Driver Setup
 - Add one ProLuxe gateway for each universe
 - Make binding **From** the Child or Additional Universe **To** the Parent or Main Gateway driver. The Main Gateway driver is the only driver that will have an IP address set in the Address Property.
 - If successful, the *Address* property should read *Sub Universe Mode (Parent Gateway XXX)* where XXX is the Device Id of the Main gateway
 - Connect Light drivers to the new Universe

DMX Gateway Settings	
Address	Sub Universe Mode (Parent Gateway 725)
	Ex. 192.168.1.8
Highest DMX Channel	32
DMX Universe	002

Driver Properties

- Driver Actions

- *Turn On All Lights*: Sends DMX Level **255** to all DMX Channels
- *Turn Off All Lights*: Sends DMX Level **0** to all DMX Channels
- *Randomize Lights for 30 seconds*: Sends random level to DMX channels
- *Toggle All Lights for 30 seconds*: Toggles On/Off all channels up to highest DMX Channel property
- *Reset Driver*: Will reset the driver including all connections
- *Address*: The Gateway IP Address
- *Highest DMX Channel*: Enter the Highest DMX channel used in the project (up to 512)
- *DMX Network*: Enter the DMX Network assigned to the gateway (usually 0).

Support

If you require additional driver assistance or are having some issues please visit our help desk: <https://help.drivercentral.io>

Warranty & Disclaimer

[ProLuxe Warranty - https://proluxe.com/pages/support/warranty](https://proluxe.com/pages/support/warranty)

Art-Net Designed by and Copyright Artistic Licence Holdings Ltd

Developer Information

brought to you by:
Cinegration Development, LLC



www.cindev.com
www.drivercentral.io/cindev/

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