



# TechNotes

Revision 5/24/2024

## Crestron Home OS4.1 Support for Converging Systems ILC-460™

### Native support of ILC-460 within Crestron Home utilizing the Crestron DIN-GWDL

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#### Background

Crestron supplies a DIN Gateway (DIN-GWDL) that supports Crestron marketed proprietary fixtures that implement the Crestron proprietary DMX-C protocol. That technology allows the automatic discovery and integration of those DMX-C devices within Crestron Home. In partnership with Crestron, Converging Systems has developed the ILC-460™ DMX decoder that fully supports Crestron's DMX-C protocol (and all of the other requirements for integration within Crestron Home. This ILC-460 can be used with Converging Systems' supported Constant Current RGBW fixtures. One such fixture is the Clarte Absolute Light family of 4000+ fixtures manufactured by Clarte Lighting. ([www.clartelighting.com](http://www.clartelighting.com)). Please contact Clarte Lighting for compatible fixtures.

This document discusses how the ILC-460 can natively integrated within Crestron Home using the Crestron DIN-GWDL gateway. The documentation assumes that you have already set up the Crestron DIN-GWDL as per the [Crestron documentation](#)

Functionality available using the Crestron Gateway combined with the Converging Systems ILC-460 include the following:

- Full support of HSV, CCT and Circadian modes natively.
- Full support of built-in RDM discovery and DMX channel allocation within Crestron Home.
- Full integration of discovered DMX fixtures within Crestron Home scene management. .

**Note:** Converging Systems also supports Crestron Home natively using the Converging Systems e-Node 2000/4000 (Pure Mode Gateway) and connected Converging Systems' ILC-x0x0 controllers (without the use of the DIN-GWDL). In addition, Converging Systems also supports **any third-party DMX fixture** through the use of the e-Node 2100/4100 (DMX Mode Gateway) again without the use of the Crestron DIN-GWDL. Where the Crestron GW-DL gateway is desired or already installed, a hybrid environment is also supported which integrates both the following:

- The Crestron DIN-GWDL gateway (which supports targeted DMX fixtures with DMX-C built in), **as well as concurrently**
- The Converging Systems e-Node 2000/4000 and up to 254 connected ILC-x00 constant voltage controllers, and/or the ILC-450 constant current controllers ("Pure Mode"), or
- The Converging Systems e-Node 2100/4100 dmx gateway **and any third-party DMX fixture** (up to 32 unique fixtures/decoders per each e-Node) ("DMX Mode"). Please note that in this case, any 3<sup>rd</sup> party DMX fixture can be supported with the e-Node 2100/4100-none of those fixtures need to support DMX-C to operate here.



## **DMX Personality**

The ILC-460™ can be customized for a number of different DMX personalities. When used in conjunction with the Crestron DIN-GWDL, the ILC-460 must be initially configured using a 3<sup>rd</sup> party RDM tool (such as available from City Theatrical or Swisson) to set the default DMX personality of the ILC-460 to Personality “15.” No other personalities will be recognized by the Crestron Gateway. See the ILC-460 setup guide below for more information.

[Converging Systems ILC-460 Product Page](#)

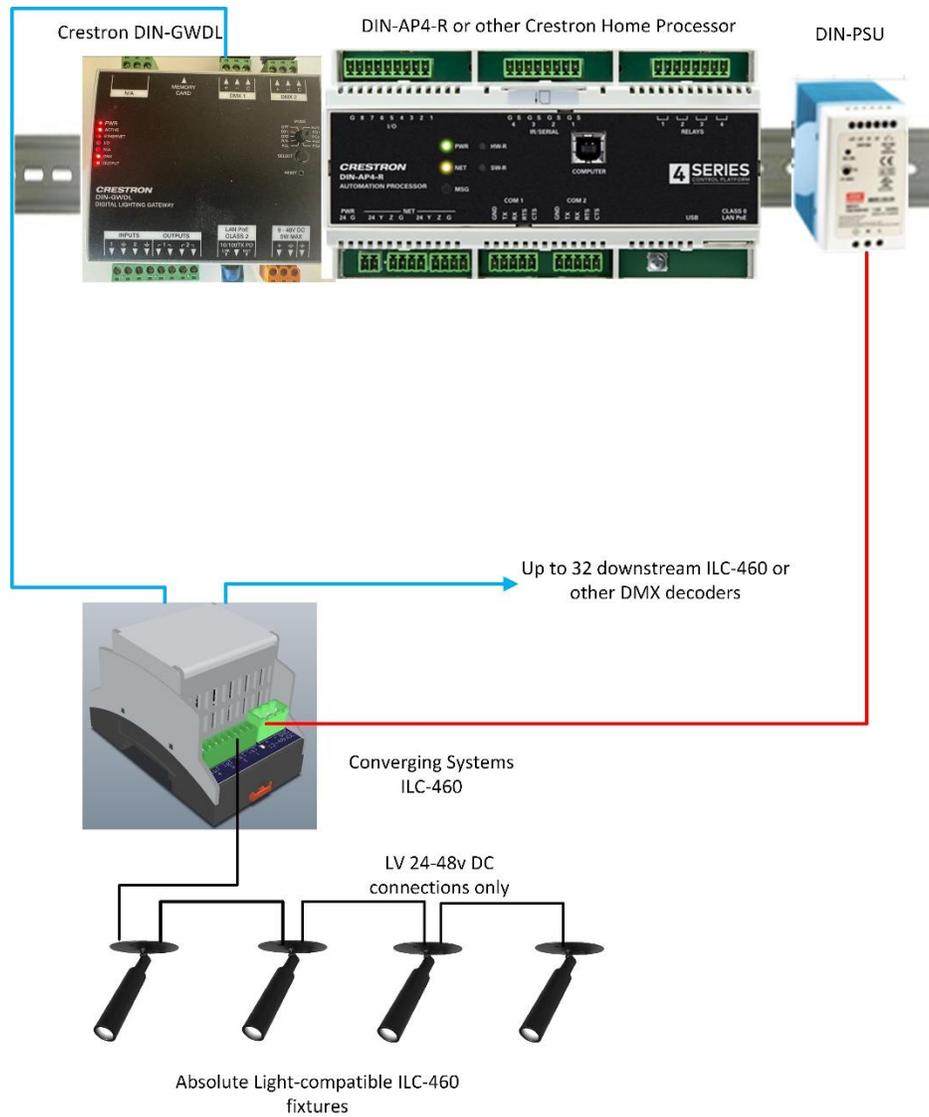
Under Support/Installation Guides

## **Crestron Home and the Converging Systems ILC-460 DMX decoder.**

The following illustrates the use of the Converging Systems ILC-460 DMX-decoder which is natively supported by Crestron Home using the Crestron DIN-GWDL gateway.

Please consult other Converging Systems documentation for the integration of the e-Node gateways (Pure Mode or DMX mode) referenced here

[Converging Systems Integration Resources Crestron Home Page](#)



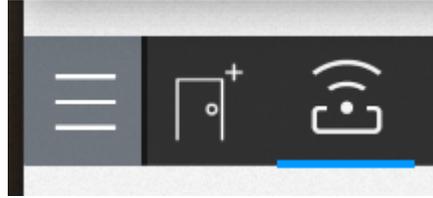
## How to integrate ILC-460 with Creston Home using the Crestron DIN-GWDL

Step	Overview	Detail
<b>B1-1</b>	Setup the ILC-460 as per Converting Systems' instructions  <b>Note:</b> Up to 32 discrete ILC-460s can daisy-chained to either DMX Port on the DIN-GWDL using Category wire.	See this link <a href="#">Converting Systems ILC-460 Product Page /Support/Installation Guides</a> . -Connect ILC-460 to compatible fixture using prescribed wiring -Power on the ILC-460 (which powers on the fixture) using the prescribed (24v or 48v power supply)

**B1-2**

Install the Crestron Home DIN-GWDL gateway as per Crestron’s documentation

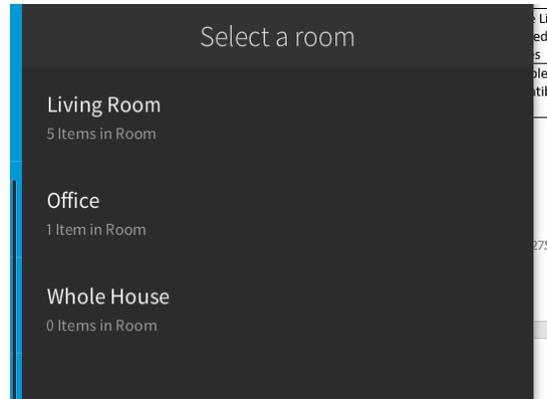
-Open Crestron Home Setup software and select the **Pairing** Tab

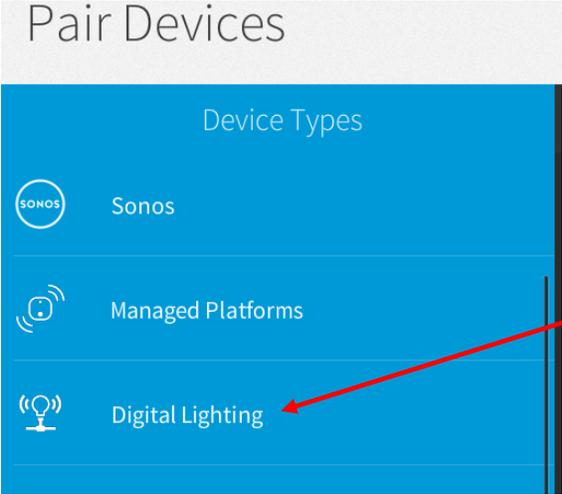
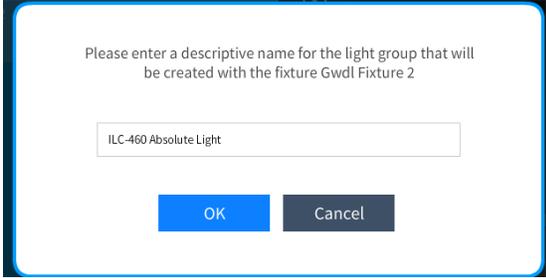
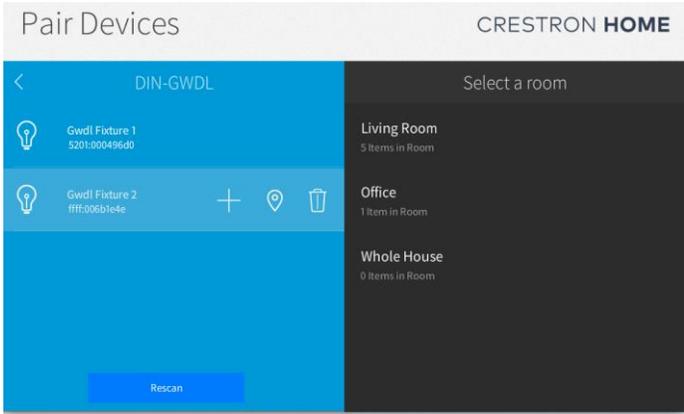


-Select **Manage Gateways & Processors** and select Search. This identify any operational DIN-GWDL gateways



-Install DIN-GWDL Gateway into applicable room (you will be asked to name it too). Here we have added it to the Office



<p><b>B1-3</b></p>	<p>Add Digital Lighting devices</p>	<p>-Select the Digital Lighting tab</p>  <p>-All compatible DMX-C Crestron Home fixtures will be shown. Highlight the fixture and add to the desired room by selecting the + mark next to the fixture. You will be asked to add a descriptive name here.</p>  <p><b>Note:</b> If your connected fixture does not appear select the Rescan button. Occasionally, you may need to reboot the Crestron Home processor for new fixtures added after the initial installation are added.</p> 
<p><b>B1-4</b></p>	<p>Test Setup.</p>	<p>-Open your Crestron Home App to test.</p>