

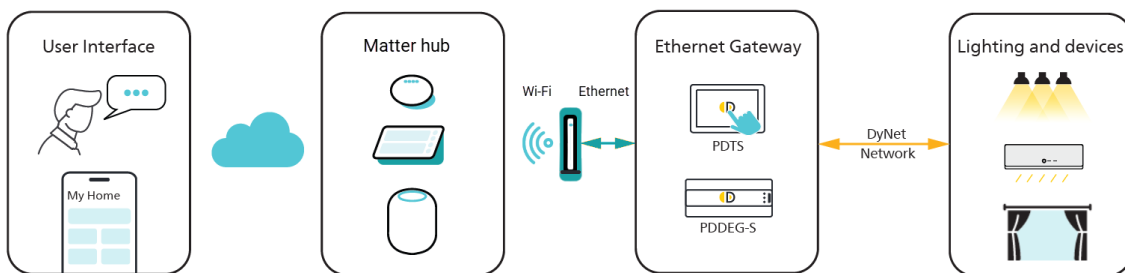
# Smart home

## Integration Overview

'Works with Dynalite' certification provides customers with confidence that a partner's integration with the Dynalite system is functionally sound and performs as designed. This helps integrators reduce deployment risk, lower total cost of ownership, and improve the user experience related to the integrated service.

### Purpose

The Dynalite commercial grade lighting control system can now be connected to a user's preferred smart home platform. The CSA (Connectivity Standards Alliance) have certified the Dynalite PDDEG-S and PDTS as Matter bridges, enabling services on the Dynalite network to be exposed over Matter. Matter hubs for Apple, Alexa, Google, SmartThings etc., can discover these services and make them visible to their apps and assistants, enabling voice control, remote control, geofencing and other smart home features.



### Capabilities

Dynalite services:

- Lighting channel levels - On/Off and dimming (scene management is currently being developed)
- Climate - room temperature, temperature setpoint and humidity
- Drapery - up, down, stop
- Fans - 3-speed + Off or 5-speed + Off

### Integration method

The Dynalite gateway (PDDEG-S or PDTS) connects to the router via Ethernet, and the smart home hub connects via Ethernet or Wi-Fi. From the smart home perspective, the bridge provides endpoints for commands sent to the Dynalite system.

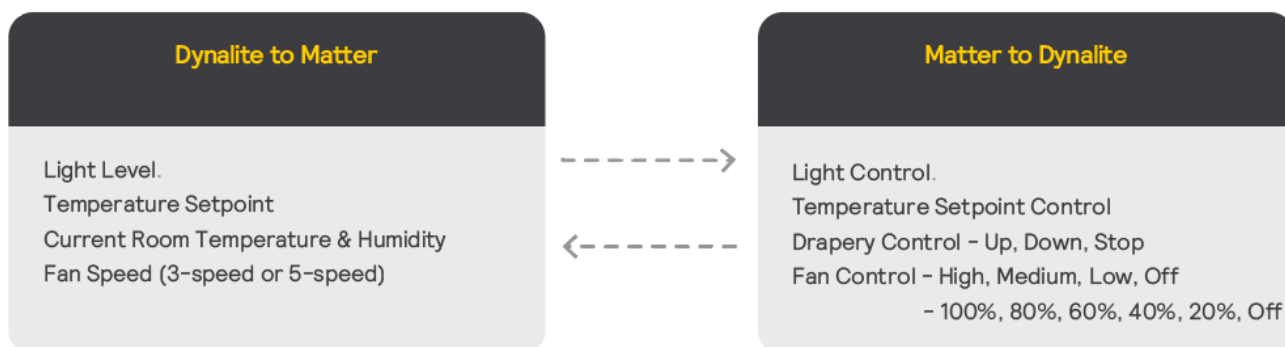
The integrator needs to enable Matter in Device Properties and curate the job file to make it suitable for Matter operation. They need to set the correct channel types for Lighting, HVAC, Curtain, etc. and select the **Hidden** category for channels they don't want visible in the smart home app. Then upload the Project.xml file to the gateway. For more information refer to docs.dynalite.com.

On the PDTS screen or PDDEG-S web page, select **Settings** and **Enable Matter**. In the smart home app, click **Add an accessory**. Then scan the QR code on the PDTS screen or PDDEG-S web page with the smart home app or enter the pairing code. Click **Add to home**. The app will search for the gateway, and (when found) you can add it to your home system. The app then loads all the available Dynalite devices as Matter accessories. To aid recognition, you can name the devices and assign them to rooms.

# Technical Requirements

Dynalite environment	Partner environment
PDDEG-S or PDTS with internet connectivity. System Builder: PDDEG-S or PDTS configured as an Ethernet to RS-485 Translation Gateway and Matter enabled in Device Properties. All devices should be placed under the PDDEG-S or PDTS (Logical or Physical Address Range Offsets are not allowed).	Matter hub with internet connectivity  Smart home platform app
For PDDEG-S: ensure you have uploaded the latest Gateway UI webpages. For PDTS UI Creator: add an 'Open settings menu' page with matter on the PDTS to select the Matter QR code page.	Identify and name Dynalite Matter accessories in the app
System Builder: upload UI Creator pages or Gateway webpages and the Project.xml file to the device (Limit of 128 Dynalite Matter accessories)	
<b>Prerequisites</b> SB: 5.49 or higher PDDEG-S v3. Firmware: 2.23 or higher Gateway Webpages: 1.1.2 or higher PDTS v2. Firmware: 4.09 or higher UI Creator: 3.1.8 or higher	

## Dataflow Diagram



### Contact Details

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