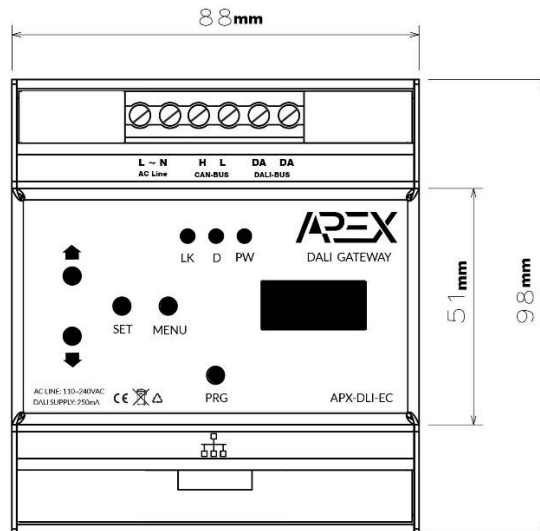


DALI GATEWAY



The APEX DALI Gateway is a sophisticated interface designed for professional light control, seamlessly integrating with the smart home systems like Control4, Fibaro or ... (SDDP Support). Supporting DT6, DT8 devices, this gateway allows for manual operation through a 3-digit LED display and offers an integrated web server for easy configuration of all DALI drivers, scene creation, and group management. Once configured, it's ready for integration with Composer Pro for Control4.

Key Features:

- **Device Connectivity:** Connect up to 64 DALI members to a single DALI output, with individual control of each member.
- **Group Management:** Switch, dim, or set defined values for up to 16 groups, enhancing flexibility in light control.
- **DALI Support:**
 - DT6: Supports all types
 - DT8 (Standard DALI2): Supports single-channel RGB, multi-channel RGB+CCT (two addresses), and tunable white (TC).
- **Status and Error Visualization:** Provides real-time status and error information for enhanced monitoring and control.
- **Manual Operation:** Allows direct control via a 3-digit LED display for easy operation.
- **Built-in Power Supply:** Includes a 250mA DALI power supply, eliminating the need for external power sources.
- **Scene Module:** Manage up to 16 different groups, each with unique settings and scenes.
- **Integrated Web Server:** Simplifies the configuration process and allows for firmware upgrades.

- **CAN-BUS Port:** Includes a CAN-BUS port for connecting to APEX CAN-BUS products, expanding its functionality and integration capabilities.

With the APEX DALI Gateway, you can achieve precise and professional light control in your smart home or commercial setup, ensuring seamless integration and robust performance.

Specifications

Model number	APX-DLI-EC
Power requirement	110~240VAC
Power consumption	<5W
Supported DALI version	DT6, DT8
Control communication	ETHERNET, CAN-BUS, DALI
Dali power supply	250mA
Operational temperature	-10 to 60° C
Humidity	5% to 95% non-condensing
Weight	0.5kg

LED STATUS

LK	❓ Red: Ethernet not connected.
	❓ Green: Ethernet connected, acquiring DHCP IP.
	❓ Yellow: Ethernet connected, acquired DHCP IP, and connected to the host.
	❓ Blue: Ethernet connected, using STATIC IP.
	❓ Purple: Ethernet connected, using STATIC IP, and connected to the host.
D	Indicates the transmission and reception of messages via Ethernet or CAN-BUS.
PW	❓ Fast Blinking: Not connected to the network.
	❓ Slow Blinking: Ethernet cable connected, attempting to obtain an IP address.
	❓ Very Slow Blinking: Module connected to the network with a valid IP address.

PRG Push Button Functions

SDDP Identify

- Press and hold the PRG button for 4 seconds to initiate SDDP (Simple Device Discovery Protocol) identification.
- This action helps the Control4 system recognize and integrate the APEX DALI Gateway.

Factory Reset

- Press and hold the PRG button for 12 seconds until the PW LED starts blinking fast.
- Release the button to reset the module to its factory settings.

These functions provide easy setup and maintenance options for the APEX DALI Gateway, enhancing its usability and integration with smart home systems

Manual Operation Guide for APEX DALI Gateway

Upon powering up the module, you will see "---" on the display, indicating normal operation. Use the MENU, UP, and DOWN buttons to navigate through the submenus:

Submenus

1. Joined Devices (dUC)

- Press MENU and use the UP and DOWN buttons to select "dUC".
- Press SET to view the joined DALI devices.
- Use the UP and DOWN buttons to select a device number, then press SET to toggle the device ON or OFF.
- To control all connected DALI devices, select "ALL" and press SET to toggle all devices ON or OFF for testing.

2. Identify (ID)

- On Composer Pro, navigate to the IP Network connection section.
- To join the DALI gateway, you have two options:
 1. Drag and drop from the discovered SDDP list (apx-dwg-xxxxxxx).
 2. Press SET in this menu, select "yes", then press SET. The device will identify itself.

3. Module IP (IP)

- To view the current module IP:
 - Press SET.
 - Use the UP and DOWN buttons to toggle between dynamic (d) and static (S) IP settings and view IP, subnet, and gateway information.
- To change between dynamic and static IP:
 - Press SET, select "d" (dynamic) or "S" (static), and press SET.
 - The display will show "yEs", then blink "s" or "d" to confirm the change.

4. Addressing (Adr)

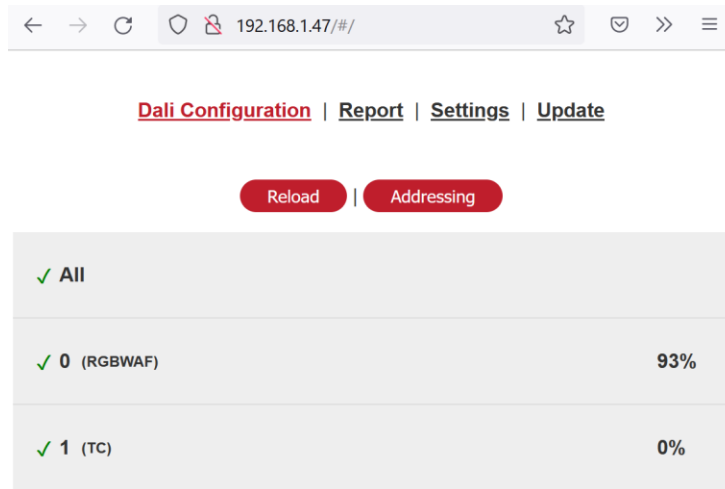
- To start addressing:
 - Select "Adr".
 - Press SET, confirm with "yEs", then press SET again.
 - All lights will turn ON and the display will blink "---" until addressing is finished.

5. Factory Reset (Rst)

- To reset to factory settings:
 - Select "rst".
 - Press SET, confirm with "yEs", then press SET again to reset the module.

- At any menu level, press MENU to return to the previous menu.

Web Server Configurations:



1. Default Credentials

- **Username:** admin
- **Password:** admin

2. DALI Configuration

1. Addressing

- Navigate to the DALI configuration page.
- Press **Addressing** to scan all connected devices.
- Automatic addressing will start, assigning addresses to each connected device.
- Press **Reload** to update the device list and see how many devices have been added.
- For example, after addressing, you might see two DT8 drivers added, displaying their address type and brightness level percentage.

2. Control All Devices

- The **All** tab allows you to turn ON or OFF all connected devices simultaneously, useful for testing and initial setup.

3. Individual Device Configuration

- Click on each device address to view its configuration settings.
- Here, you can adjust the color or main brightness level of the device for testing purposes.

✓ 0 (RGBWAF) 93%

Turn off | Turn On | Reconfiguration

100%
0%
14%
100%

Groups ↓
Scenes ↓
Set Time Rate ↓
Startup state ↓

Groups

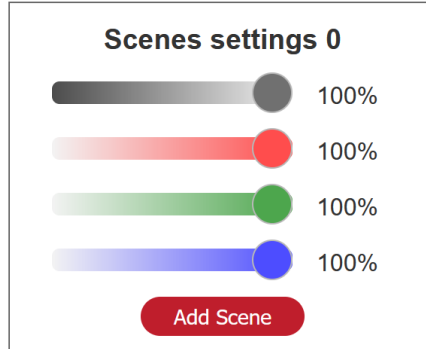
Click on **Groups** for each address to manage group assignments. You will see 16 groups available for each device. Select one or more groups to register the device in those groups. This allows for organized control and management of multiple devices within specific groups, enhancing the flexibility and efficiency of your lighting setup.

Groups ↑

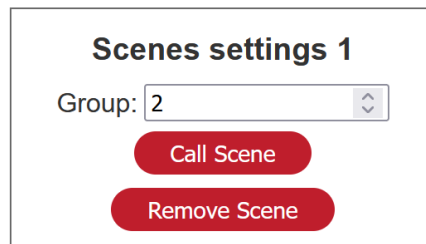
0 1 2 3 4 5 6 7 8 9
10 11 12 13 14 15

Scenes

- Click on Scenes for each address to manage scene settings.
- You will find 16 scenes available for each device.
- Select the scene number you wish to configure.
- Adjust the brightness percentage and choose colors as desired.
- Press Add Scene to save your configured scene.



Click on Add Scene then if you need to call this scene, you can select the group, then press Call Scene.



The other option according to device type is there that you can make your changes.

• **Report**

This is Quick view for groups and scenes that you defined.

[Dali Configuration](#) | [Report](#) | [Settings](#) | [Update](#)

[Scenes](#) | Groups



If you click on green buttons (defined before) on the scene's menu, you can execute each group that you want for your test. Also on the group menu, you can remove or add groups by clicking on each number.

- **Settings**
In this menu you can change current IP, changing username and password, reset and factory reset easily.
- **Update**
In this menu, you can update DALI firmware and CAN-BUS firmware for devices that are connected to this module. Please note that all firmware should download from the APEX One-Drive link.

[Dali Configuration](#) | [Report](#) | [Settings](#) | [Update](#)

File: No file selected.

Sample wiring Diagram:

