

<b>Project</b>		<b>Catalog #</b>		<b>Type</b>	
<b>Prepared by</b>		<b>Notes</b>		<b>Date</b>	



## DMX Scene Gateway

P/N: GTWY-DMXSCN-010V-DMX1U-120V

### Overview

The DMX Scene Gateway is a standalone commercial lighting control gateway that converts 0–10V analog lighting control signals into up to 10 configurable DMX lighting scenes. Simple browser-based setup via onboard Wi-Fi allows fast mapping, backup, and field updates without any proprietary software. Designed for robust integration in commercial and architectural lighting environments. Enables traditional lighting control systems to control DMX.

### Features

- Accepts standard 0–10V lighting control input (source or sink)
- Outputs one full DMX512-A universe (up to 512 channels)
- 10 user-defined scene presets mapped by voltage
- Optional “grand master” present scene intensity control
- Adjustable scene-to-scene fade rate
- Embedded Wi-Fi with captive portal for local configuration—no internet required
- Factory reset, backup/restore, and test output functions
- DIN rail enclosure and labeled terminal blocks for easy installation

### Specifications

- Input Voltage (Power): 120 VAC ( $\pm 10\%$ )
- Analog Input: 0–10V, source/sink compatible
- DMX Output: 1x DMX512-A universe, screw terminals
- Max Scenes: 10
- Fade Rate: Adjustable per scene
- Config Interface: Wireless via web browser
- Authentication: Unique default password, forced change
- Backup/Restore: Download/upload config file
- Test Functions: “All on” & “All off” DMX test buttons
- Indicators: Power/status & input signal LEDs
- Mounting: surface mount via through holes in rear of panel
- Operating Temp: 0°C to +50°C
- Input Protection: ESD & analog filtering
- Dimensions (typical): 16x16x6 inches



## Use Cases for the DMX Scene Gateway

- **Bridging 0–10V Systems with DMX Lighting Fixtures**

Many architectural and commercial projects already have 0–10V dimmers or controls specified. The gateway makes it simple to integrate those controls with DMX-only luminaires, eliminating the need for costly rewiring or proprietary interfaces.

- **Retrofit Projects in Theaters, Auditoriums, and Houses of Worship**

In existing buildings where DMX fixtures are installed but the control backbone is 0–10V, the gateway provides a drop-in solution to unify both worlds. This avoids replacing the control system while enabling modern DMX lighting control.

- **Creating Preset Lighting Scenes Without a Full DMX Console**

Contractors can set up up to 10 user-defined scenes mapped to simple voltages. This means installers can deliver advanced scene control with nothing more than standard dimmers—no need for complex DMX programming or training end-users on a lighting console. An optional second 0-10V input acts as “master intensity control” to enable easy dimming of preset scenes.

- **Simplifying Field Configuration and Commissioning**

With onboard Wi-Fi and a browser interface, electricians can configure fade rates, backup/restore files, and test DMX outputs directly in the field—without needing a laptop, dongle, or special software. This saves setup time and reduces headaches for integrators.

- **Ensuring Compatibility Across Mixed-Control Projects**

In many commercial spaces, some fixtures are DMX-controlled (e.g., cove, façade, or specialty color-changing lights) while others remain 0–10V (general white light). The gateway allows both systems to operate together seamlessly, ensuring designers and contractors don’t have to choose one standard over the other.

## Single Line Diagram

