

Overview

This guide details the steps to power on and configure the Prizm Aircraft Lighting system for integration with the Collins Venue cabin management system using a wired network connection. The process assumes that aircraft wiring for the Prizm system is complete and that a tail-specific Venue System Definition Document (SDD) with channel and location identifiers is available.

Initial Setup

1. Prepare for Power-On

- If multiple controllers are present, power on only one controller at a time for configuration.
- The default IP address for all Prizm controllers is 172.20.10.42. If more than one controller is installed, then the additional controllers must be assigned unique IP addresses. (Refer to the Venue SDD "Connectivity" section for expected IP address settings.)

2. Access the Admin Interface

- Option 1: Direct Network Access
 - Connect your laptop to the cabin Wi-Fi router.
 - o If necessary, configure the wireless adapter on the maintenance PC with a static IP address starting with 172.20.10, for example, 172.20.10.100.
 - o Navigate to http://172.20.10.42/admin in a web browser.
- Option 2: Temporary Wireless Access
 - o Attach an RP-SMA antenna to the Prizm controller.
 - Leave the J1 connector unplugged to enable the wireless adapter.
 - o Connect to the "LED Lighting" Wi-Fi network and navigate to http://192.168.42.1/admin.

3. Login

Username: PRIZMPassword: Lighting



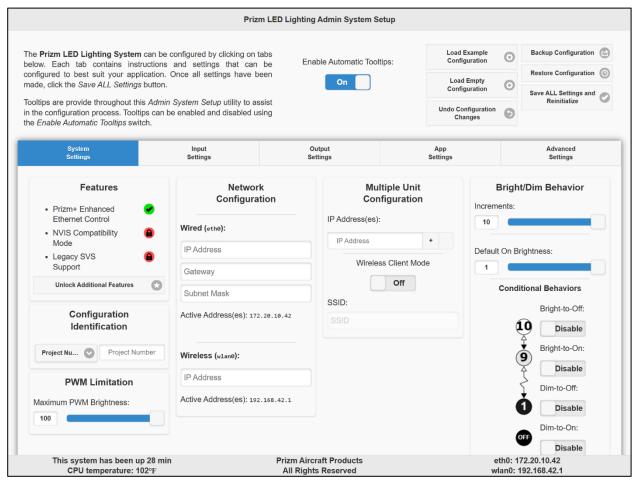


Figure 1: Admin System Setup Utility Interface

Configuration Steps

4. Clear Default Settings

• In the Admin System Setup interface, click Load Empty Configuration to remove default settings.

5. Enable Enhanced Ethernet Control

- Verify the "Prizm+ Enhanced Ethernet Control" feature is unlocked:
 - Unlocked: Green circle with a check mark.
 - Locked: Red circle with a padlock.
- If locked, click Unlock Additional Features and request an unlock code from Prizm Aircraft Products using the request code displayed. Enter the provided code to enable the feature.



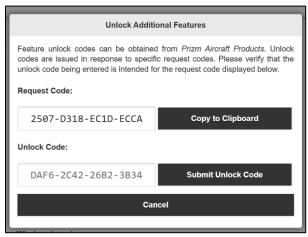
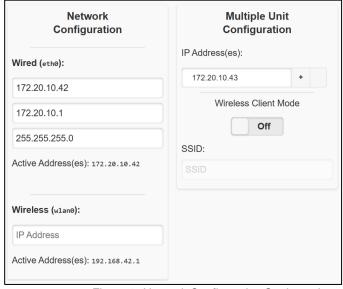


Figure 2: Feature Unlock

6. Set IP Address

- Reference the SDD for the IP address assignments, typically the following scheme is used:
 - Controller 1: 172.20.10.42
 - o Controller 2: 172.20.10.43, etc.
- Set the gateway to 172.20.10.1 and the subnet mask to 255.255.25.0.
- For multi-controller setups, add the IP addresses of other controllers (excluding the current one) under the **Multiple Unit Configuration** section.



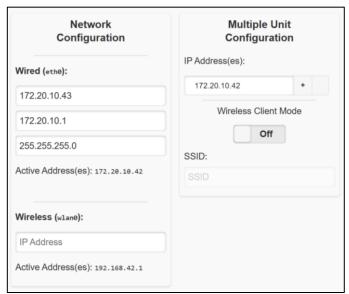


Figure 3: Network Configuration Settings shown for Two Controllers in a Multiple Unit Configuration

7. Save Settings

Click Save ALL Settings and Reinitialize to commit changes.

Venue Integration

- 8. Assign Venue Designators
 - Navigate to Output Settings > Location Settings and open the Location Settings interface in a new window.
 - Click Load Empty Configuration to clear prior configurations.



- In the Venue SDD, locate the Prizm Appendix that provides the mapping between output channels and Venue IDs.
- Use the SDD to create location cards for each lighting channel:
 - Add cards using the + button.
 - Drag channels to corresponding cards, enter names, and select Venue ID designators from the dropdown menu.
 - The location name field can be set to anything and is for your reference only. The only critical configuration values are the channel numbers and Venue IDs.
 - If any designators are missing from the dropdown menus, verify that the Venue system is fully initialized, and then refresh the Location Settings page. Any tail-specific designators will be added to the dropdown menus once they have been seen by the Prizm controller at least once.
- Save the configuration and return to the Admin Setup interface.

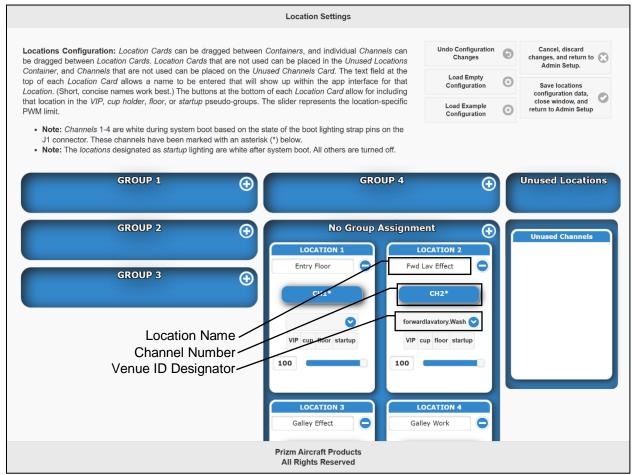


Figure 4: Location Settings Interface

9. Finalize Setup

- Power down the controller.
- If using the Prizm controller's integrated wireless network, remove the antenna and reconnect the J1 connector.
- Repeat steps for additional controllers, ensuring each is configured before powering on all controllers simultaneously.

10. Functional Testing

Perform a functional test to verify lighting control.