

Igor PoE Lighting: Factory Startup Checklist

Depending on the size of the project, network status, and number of data closets, commissioning can occur on a granular level ("Isolated Data Closet Scenario") or a whole building level.

For more information, consult with Igor Support Services at support@igor-tech.com or 515-661-4412.

1. Configure Network Switches and PoE Power Source Equipment (PSE)	
1.1. Verify PSE models against Igor approved PSE list. For more information, see the <i>ID-4101 Igor-Approved PoE Power Sourcing Equipment List</i> .	<input type="checkbox"/>
1.2. For PSEs with interchangeable power supplies, verify the total available PoE power capacity meets or exceeds the total associated PoE loads on a per-PSE basis.	<input type="checkbox"/>
1.3. Verify rack-mount network switches and PSEs are installed per project design	<input type="checkbox"/>
1.4. Verify plenum-mount PSEs are installed per project design.	<input type="checkbox"/>
1.5. Verify supply power is turned on to network switches and PSEs and all associated luminaires are illuminated. Lack of illumination can indicate wiring issue at luminaire or in PoE home run.	<input type="checkbox"/>
1.6. Configure network switches and PSEs per Igor guidelines. For more information, see the <i>ID-41xx Igor Network Switch and Midspan Configuration Guides</i> .	<input type="checkbox"/>
1.7. Identify device to be used as PoE lighting network DHCP server; configure if necessary.	<input type="checkbox"/>
1.8. Verify DHCP and data communication on PoE lighting network.	<input type="checkbox"/>

2. Complete Gateway System Commissioning	
2.1. Verify Gateway host (PC/Server/VM) Operating System has been configured per Igor guidelines and required prerequisites have been installed per Igor document ID-3100.	<input type="checkbox"/>
2.2. Verify Gateway software is installed and licensed per Igor document ID-3100.	<input type="checkbox"/>
2.3. Verify if an appropriate static IP address has been assigned to the Gateway host (recommended).	<input type="checkbox"/>
2.4. Create appropriate Space Groups and Spaces in Gateway either manually or via Gateway import/export feature. Rename "Root" Space Group based on customer/building name.	<input type="checkbox"/>
2.5. Use the Igor Commissioning Wizard to assign lights and pre-configured devices to Spaces. For more information, see the <i>ID-0320 Igor Gateway Software Advanced User Guide</i> .	<input type="checkbox"/>
2.6. Once lights are commissioned, use the Field Configuration Utility (FCU) to configure nodes for any remaining sensors and wall switches. For more information, see the <i>ID-3231 Igor Field Configuration Utility User Guide – Normal Mode</i> .	<input type="checkbox"/>
2.7. In the Gateway software -> Devices -> Search screen, use ID Mode to identify configured sensors and wall switches and assign to appropriate Spaces.	<input type="checkbox"/>

3. Complete Advanced Gateway System Commissioning	
3.1. Create lighting control Action Sets and associated Actions.	<input type="checkbox"/>
3.2. Define and configure Wall Control button Action Sets and Actions.	<input type="checkbox"/>
3.3. Create and configure Daylight Harvesting zones.	<input type="checkbox"/>
3.4. Create/Modify Policies for high-end trim, low-end trim and occupancy time-out periods.	<input type="checkbox"/>
3.5. Create lighting control Schedules and assign Action Sets.	<input type="checkbox"/>
3.6. Update Offline and Emergency Level for all lights on system using Igor Batch.Node.Setting application. Default value is 20%, increase to 80%-100% depending on project requirements.	<input type="checkbox"/>
3.7. Test emergency lighting (if applicable): 3.7.1. Interrupt "heartbeat" signal between Gateway server and emergency nodes by simulating a building power outage. This can be achieved via a power or data disconnection at the appropriate device in the data communication chain. Verify emergency lights turn on within 5 seconds of interruption and dimming level matches that set in step 3.6 3.7.2. Perform min. 90-minute emergency lighting power test to verify emergency power source (UPS, inverter, generator, etc.) has appropriate capacity.	<input type="checkbox"/>

4. (Optional) Implement Igor Third-Party Integrations	
1.1. Gateway API <i>ID-3133 Igor Gateway Software API Developer Guide</i> <i>(Requires Igor Connectivity license)</i>	<input type="checkbox"/>
1.2. BACnet/IP <i>ID-3142 Igor BACnet Service Installation Guide</i> <i>(Requires Igor Building Automation Access package)</i>	<input type="checkbox"/>
1.3. Databuoy® ShotPoint® <i>ID-3153 Igor Databuoy ShotPoint Integration Guide</i>	<input type="checkbox"/>
1.4. Redwood Systems <i>ID-3151-Igor Redwood Service Installation Guide</i>	<input type="checkbox"/>

END.