SIG Qualified Bluetooth® Mesh Lighting Control System

A complete hardware and software solution

The next phase in the evolution of lighting is here. Wireless lighting control provides endless potential for cost savings, asset management, and enhanced user experience. And the communication technology driving this revolution is Bluetooth mesh, a simple, intuitive system that opens up a world of new possibilities.

Why Light with Bluetooth?

Bluetooth mesh is an emerging platform for connected lighting that is paving the way to IoT smart lighting. It provides fast, reliable performance, unmatched scalability, high-level security and out-of-the-box interoperability, creating opportunities for larger, more efficient lighting networks.

WIRELESS
High speed communication at distances of over 300 feet, creating massive savings on installation and wiring

SCALABLE
Start small with a single room, or connect thousands of devices in a building-wide installation

SECURE
Advanced encryption standards with multiple authentication keys for maximum protection

RELIABLE
Self-healing network prevents communication losses and allows devices to be added or removed without disruption

INTEROPERABLE
All SIG Qualified Bluetooth mesh devices can communicate seamlessly, regardless of manufacturer

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Bluetooth to 0-10V SmartBridge

A simple, easy-to-install component that connects to an existing 0-10V driver to add SIG Qualified Bluetooth mesh capability. The SmartBridge is an ideal solution for manufacturers looking to develop their Bluetooth product lines or contractors seeking to provide wireless lighting options in the field.

<table>
<thead>
<tr>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model Number</td>
</tr>
<tr>
<td>----------------</td>
</tr>
<tr>
<td>CTBRCB02JM02</td>
</tr>
<tr>
<td>CTBRCB03JM03-PC</td>
</tr>
</tbody>
</table>
Endless Possibilities, Custom Configurations

The flexibility of Bluetooth mesh allows spaces to be designed in countless configurations. In the common office installation shown to the right, four standard 0-10V luminaires are connected to a Bluetooth SmartBridge, occupancy sensor, and wireless switch. The entire room can then be controlled by a single Bluetooth switch, with occupancy sensing for energy savings, and minimal new wiring.

Accessories

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
<th>Dimensions</th>
<th>Case Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESL01HB01</td>
<td>Bluetooth SmartLink (attaches to Connected Driver to provide Bluetooth capability)</td>
<td>1.33&quot; length x 1.99&quot; dia.</td>
<td>20</td>
</tr>
<tr>
<td>ELIOPJX00SR</td>
<td>Short-range PIR occupancy and daylight harvesting sensor for SmartBridge</td>
<td>2.5&quot; length x 1.65&quot; dia.</td>
<td>30</td>
</tr>
<tr>
<td>ELIOPJX00LR</td>
<td>Long-range PIR occupancy and daylight harvesting sensor for SmartBridge</td>
<td>2.5&quot; length x 1.65&quot; dia.</td>
<td>30</td>
</tr>
<tr>
<td>ESLTOPJX00SR</td>
<td>Short-range PIR occupancy, daylight harvesting sensor and Bluetooth Radio for connected LED driver</td>
<td>2.5&quot; length x 2.24&quot; dia.</td>
<td>24</td>
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<tr>
<td>ESLTOPJX00LR</td>
<td>Long-range PIR occupancy, daylight harvesting sensor and Bluetooth Radio for connected LED driver</td>
<td>2.5&quot; length x 2.24&quot; dia.</td>
<td>24</td>
</tr>
<tr>
<td>ESRPB-W-EO</td>
<td>Single Rocker EnOcean Switch for Bluetooth</td>
<td>4.95&quot; x 3.21&quot; x 0.74&quot;</td>
<td>24</td>
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<tr>
<td>EDRPB-W-EO</td>
<td>Double Rocker EnOcean Switch for Bluetooth</td>
<td>4.95&quot; x 4.52&quot; x 0.72&quot;</td>
<td>24</td>
</tr>
</tbody>
</table>

Bluetooth Mesh Lab Kit

The simple way to get started with Bluetooth

Ready to take the first step with Bluetooth mesh? There’s no better way than to experience it yourself. Fulham’s complete Bluetooth mesh lab kit has everything you need to launch your implementation.

In less than 30 minutes, you’ll be testing Bluetooth mesh in your lab and planning your future.

**Contents:**
- Bluetooth SmartBridge
- iPad® with eliteBlue Commissioning app
- EnOcean Double Rocker switch
- 9W Vizion LED Engine
- Documentation

Contact Fulham to order your Bluetooth Mesh Lab Kit today
Fulham eliteBlue
Commissioning Software

Fulham’s eliteBlue commissioning software provides an intuitive set of tools for commissioning and monitoring qualified Bluetooth mesh lighting devices. Using simple web and iOS apps, users can easily customize lighting control parameters in accordance with site-specific needs and building energy codes.

WEB PORTAL
Used off site to manage lighting installation projects and plan commissioning, including mapping zones within a building, setting up control scenarios for zones and managing users collaborating on the project.
Try it at eliteblue.fulham.com

MOBILE APP FOR IOS
Used onsite to commission devices and fine-tune installations. No specialized training or lighting control expertise is needed - the intuitive interface lets you add Bluetooth mesh lighting devices to a wireless network in no time.

See for yourself how simple working with Bluetooth mesh can be. Visit www.fulham.com/videos/eliteblue for video walkthroughs of the commissioning process, custom scenarios, scene creation, and more.