Go Wireless: Upgrade your next DLM project!

Wattstopper is once again setting the standard for commercial lighting control systems, with the next evolution of Digital Lighting Management (DLM) – Wireless. Wireless DLM will be an easy to install, secure, and scalable solution based on the most innovative wireless technology available. Suddenly installation is simpler, design is more streamlined, and unsightly cables are a thing of the past.

The Wireless Network Bridge and Wireless Border Router

Eliminate the need for MSTP network wiring between rooms by upgrading to a wireless Network Bridge and Border Router, adding flexibility and reducing installation time. It is as simple as substituting the wireless Bridge instead of the traditional wired Bridge and connecting them to the Room Controller. The Border Router enables a robust mesh network for up to 50 wireless Bridges per router, eliminating the need for MSTP wiring between rooms.

Guaranteed Security

- Secure 6Lo wireless communication using AES 128-bit encryption to ensure the most advanced level of security of any wireless lighting system in the industry
- Maintains a parallel independent network that is completely separate from the client’s network
- Option for remote diagnosis, troubleshooting, and support by Wattstopper Services team through a secure cellular modem

Design-Build Contractors

Simplify installation and save time and money by lowering the risk of wiring errors and eliminating start up delays since no network wire is needed. Our wireless DLM network saves electrical contractors time and effort during the planning, installation, and commissioning process.

Specifying Engineers

Robust, self forming mesh network enables you to build on the reliable, code-compliant DLM platform of wired products with a new scalable wireless offering that will streamline networked project design.

designed to be better™
Wireless Network Bridge (LMBC-600)

Provides a network connection for a group of DLM Local Network room level devices. Connecting DLM rooms wirelessly enables easy management and demand response for the entire building without the need for any MSTP network wire.

FEATURES AND BENEFITS:

- Communicates all DLM local and network data settings to a segment manager and/or LMCS software
- Robust and reliable BACnet® IPv6 mesh network based on open standards and protocols
- Mounts similar to wired Network Bridge [model LMBC-300] for easy installation
- Network bridges automatically associate to the nearest Wireless Border Router
- Internal dual omni-directional antennas enable reliable wireless connection using IEEE 802.15.4 on the 2.4Ghz band
- 6LoWPAN wireless standard delivers reliable, long range, low latency wireless communication that is scalable for a single room or entire buildings with thousands of rooms
- Two RJ45 ports to provide power and connection to the DLM cat 5e local network
- LED status indicators signal network health and local network communication

Border Router (LMBR-600)

Manages the configuration of the wireless self-forming mesh network and provides DLM system connectivity back to the Segment Manager via a wired LAN port.

FEATURES AND BENEFITS:

- Manages secure wireless mesh network settings all on one line; Network ID, channel, security
- Secure self forming wireless network with AES 128-bit encryption
- Each Border Router can host up to 50 wireless Bridges and 400 devices [recommended design is 40 bridges per border router and 320 devices]
- Simple commissioning process makes setting up the network fast and easy
- Powered by a dedicated LMPB-100 or the included 120V input power supply
- Eliminates need for MS/TP wire and separate NB-Routers
- Plenum rated solution when powered by the LMPB-100
- Mounting bracket included for easy installation on site
- Full support for DLM and BACnet communication
- Firmware upgradeable and managed using LMCS software [v. 4.6.2]