Once paired to an LMRC-611 wireless room controller or LMBC-650 wireless bridge, this unit is set for Plug n’ Go operation, adjustment via the DLM Configuration App is recommended to meet the local energy code where installed.

The DLM Wireless ceiling mount sensor is a wireless battery powered PIR occupancy sensor intended for operation with wireless room controllers or bridges. Once paired to a wireless room controller, it detects and monitors the presence of motion to determine if lights should be on or off.
The LMPC-600 provides a 360° coverage pattern. The coverage shown represents maximum coverage for walking motion at a mounting height of 10 feet, or 40 feet for the extended height lens.

**Wireless Room Connection**

- **LMPC-600** Wireless Sensor
- **LMPC-600** Wireless Occupancy Sensor
- **LMPC-600-5** High bay/extended height lens
- **LMPC-600-1** High density lens
- **LMPC-600-600-5** High bay/extended height lens

**Distance Recommendations:**
- 30’ max between LMPC-600 and mobile device
- 60’ max between LMPC-600 and room controller or bridge
- 10’ minimum and 100’ maximum between LMBR-650 and room controller or bridge

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**Sensor Params**

- **LMPX-600**
  - Mode: Auto On
  - Blink: On
  - Load Type: Dim

- **LMPC-600**
  - Mode: Auto On
  - Blink: On
  - Load Type: Dim

**Note:**
- The DLM config app can only connect with the LMBR-650 to update firmware.
- You need an LMBR-650 and LMCS to commission a Hybrid room.
The LMPC-600 can be mounted using one of three possible methods:

- Mounted to the ceiling using the included plastic mounting plate
- Mounted to a hanging threaded rod, for open ceiling environments, using the included threaded rod adapter
- Recessed mounting, using the optional LMPC-600-RPM Recessed Plenum Mounting Kit

**Ceiling Mount**

1. Attach the mounting plate to the ceiling with the three included 1” mounting screws.
2. Twist the LMPC-600 clockwise to lock it onto the mounting plate.

**Threaded Rod Mount**

The threaded rod adapter can mount to a 3/8”-16, 1/4”-20, or 1/2”-13 hanging threaded rod.

1. Screw the adapter onto the rod.
2. Attach the mounting plate to the adapter using the included 10mm screw.
3. Twist the LMPC-600 clockwise to lock it onto the mounting plate.

**Recessed Mount, using the LMPC-600-RPM**

1. Using a 3 3/4” hole saw, cut a hole in the ceiling.
2. Raise the spring loaded arms so they fit through the hole.
3. Release the arms. The LMPC-600 will loosely clamp to the ceiling.
4. Hold the edges of the recessed mounting plate to prevent it from moving, then twist the LMPC-600 clockwise to lock it onto the mounting plate.

**Sensor Masking**

The LMPC-600 ships with three 90 degree snap in plastic parts that can be used to mask the sensor coverage.

**NOTE:** Pull protective battery tab before installation to power the sensor.

**Threaded Rod Size**

3/8”-16, 1/4”-20, or 1/2”-13

**Threaded hole - 3/8”-16**

**Threaded hole - 1/4”-20**

**Threaded hole - 1/2”-13**

**Twist to Lock**

12 Gauge Wire Hanger

Hanger attachment feature, for use when local safety or seismic requirements are applicable.

Note: Once the sensor is attached to the recessed mount, the sensor will be firmly in place.
**IMPORTANT INSTALLATION INFORMATION**

To ensure a successful installation and startup of a wireless system, the following steps must be taken by the installing contractor. Failure to document all device address and locations may delay completion of startup and result in additional startup charges.

**Key Requirement:** Document every Device’s MAC Address (at least the last 4 alphanumeric characters). An additional MAC address label is included for the installer to use on afloor plan map. The last four characters are repeated in a larger font, in bold. Keep this document so that the commissioning tech has access at a later date.

**SETTING UP A ROOM NETWORK BY PAIRING DEVICES**

Pair wireless devices to a room controller to create an individual room network and enable Plug N’ Go operation.

Device pairing can be done by using Push-to-Pair (PtP) mode on the room controller and all other wireless devices, or by using the DLM Config App.

To pair devices in a network, they must all have the same wireless channel and Network ID. By default the channel is 15 and the Network ID is 1. Using Push-to-Pair mode, the Network ID for all devices being paired is migrated to a new number, so that only those device communicate with each other. The channel number will remain at 15.

**NOTE:** LMCS-100 software, version 4.7 or later can also be used to pair devices. However, LMCS-100 requires use of an LMBR-650. Using LMCS, it is possible to change the channel as well as Network ID.

**DEVICE PAIRING USING PUSH-TO-PAIR MODE**

**Push-to-Pair in a room with a single LMRC-611 Room Controller**

**NOTE:** Once you enter PtP mode on the room controller, a three minute timer begins. If the Config button on any device in the room is pressed, the timer resets and begins the three minute countdown again. If no Config button is pressed within three minutes, the room controller will exit PtP mode.

1. **Enter PtP mode on the room controller.** Press the Config button three times (within three seconds) until the LED on the room controller flashes green.

2. **Enter PtP mode on the LMPC-600.** Press the Config button three times. As with the room controller, the LED on the sensor will flash green.

3. **Pair the LMPC-600.** Press the Config button on the LMPC-600 one more time to pair it to the room controller. The load connected to the room controller will toggle once (if the load is OFF, it will turn ON; if ON, it will turn OFF) to indicate that pairing was successful. Also, the LMPC-600’s blinking LED will turn to solid green as another indicator of a successful pairing.

**NOTE:** If there are any wireless sensors, dimmers, or additional switches in the room, repeat steps 2 and 3 for each of those devices so that all devices are paired together in the same network. For each device, the load will toggle during step 3 and its config LED will turn solid green.

4. **Exit PtP mode.** From any device, press the Config button 3 times. After a few seconds, the LED on each Room controller, switch or sensor currently in PtP mode will flash white and reboot, leaving the default network and migrating to the new network. Then, the LED on the room controller will flash blue and the pairing process finishes. The default Network ID on all devices will change to a new number, based on the last four digits of the Mac address on the room controller, and now those devices will communicate only with each other and not any devices which have not been paired.

**NOTE:** It is important to exit PtP mode within the three minute time limit mentioned above. If you do not, none of the device pairings will be remembered and you have to start the process over from the beginning.

**Push-to-Pair in a room with multiple LMRC-611s**

In a room with multiple loads, there may be more than one LMRC-611. They can all be paired to the same room network, allowing the scene switch to set each load to different levels per scene. One of the room controllers will become the master, determining the Network ID and channel settings for all the devices in the network.

1. **Enter wireless Push-to-Pair (PtP) mode on all room controllers.** Press the Config button three times on each LMRC-611 to put them all in PtP mode. The green LEDs will flash on all controllers. The first room controller placed into PtP will become the master.

2. **Pair the room controllers together.** Press the Config button one more time on each room controller except for the master. This indicates to the rooms controllers that they will be paired with each other.

   The master room controller’s LED blink rate will double once the first device is paired to it. This faster blink rate is convenient when multiple room controllers are present on the same network. The LED will turn solid on the other controllers being paired.

   **NOTE:** If there are more than two room controllers, you have the choice of either placing them all in PtP mode and then pairing them, or pairing the first two controllers and then repeating steps 1 and 2 for each additional controller, leaving the master controller in PtP mode the entire time.

3. **Enter PtP mode on the LMPC-600.** Press the Config button three times. As with the room controller, the LED on the sensor will flash green.

4. **Pair the LMPC-600.** Press the Config button on the LMPC-600 one more time to pair it to the room controllers. The loads connected to the room controllers will toggle once (if the load is OFF, it will turn ON; if ON, it will turn OFF) to indicate that pairing was successful.

   **NOTE:** If there are any wireless sensors, dimmers, or additional switches in the room, repeat steps 3 and 4 for each of those devices so that all devices are paired together in the same network. For each device, the load will toggle during step 4.
5. **Exit PtP mode.** From any device, press the Config button 3 times. After a few seconds, the LED on each Room controller, switch or sensor currently in PtP mode will flash white and reboot, leaving the default network and migrating to the new network. Then, the LED on the room controller will flash blue and the pairing process finishes. The default Network ID on all devices will change to a new number, based on the last four digits of the Mac address on the master room controller, and now those devices will communicate only with each other and not any devices which have not been paired.

**NOTE:** It is important to exit PtP mode within the three minute time limit mentioned above. If you do not, none of the device pairings will be remembered and you have to start the process over from the beginning.

### Pairing a device to an existing network

If you need to add the LMPC-600 to an existing in room network, follow the procedure below:

1. **Enter wireless Push-to-Pair (PtP) mode on the room controller or any currently paired battery device.** Press the Config button three times (within three seconds). The LED on the room controller and any paired battery devices that are currently awake will flash green.

2. **Enter PtP mode on the LMPC-600.** Press the Config button three times. As with the room controller, the LED on the sensor will flash green.

3. **Pair the devices.** Press the Config button on the LMPC-600 one more time to pair the LMPC-600 to the room controller. The load connected to the room controller will toggle once (if the load is OFF, it will turn ON; if ON, it will turn OFF) to indicate that pairing was successful and its config LED will turn solid green.

4. **Exit PtP mode.** From any device, press the Config button 3 times. After a few seconds, the LED on the LMDM-601 will flash white and reboot, leaving the default network and migrating to the new network. Then the LED on the room controller will flash blue while it completes the pairing process. The Network ID of the LMPC-600 will change to the value used by the previously paired devices and the room controller also returns to that value.

### DEVICE PAIRING AND UNIT ADJUSTMENT USING THE DLM CONFIG APP

The DLM Config App is available for both iOS® and Android® devices. Search “DLM Config” on your device to download.

The app provides the ability to pair various devices in a room. Additionally, you can modify load binding and edit various DLM parameters for each device.

For details on the features and operation, download the DLM Config App User Guide from the wattstopper web site at:

https://www.legrand.us/wattstopper.aspx

**NOTE:** LMCS-100 software, version 4.7 or later can also be used to pair devices and edit DLM parameters. However, LMCS-100 requires use of an LMBR-650.

### RESETTING THE LMPC-600

When you reset the LMPC-600, the Channel and Network ID will return to their default values, and if the sensor was previously paired, it will no longer be connected to that room network. All DLM parameters are also returned to their default values.

There are two ways to reset the LMPC-600:

- Press the Config button 10 times. The LED will blink green each time the Config button is pressed (except for the 7th press which will blink blue). After the 10th press, the LED will turn red then briefly turn white indicating it is rebooting.

- On the back of the sensor, is a small hole that will fit a paper clip. Use a paper clip to depress the button inside that hole and hold for 10 seconds. When you first press the reset button, the LED will blink red once, then after the 10 seconds will reboot and the LED will briefly turn white, indicating it is rebooting.

**NOTE:** You can also reset the LMPC-600 from the DLM Config App or LMCS (the LMPC-600 must be woken up before resetting).

### LED INDICATORS

<table>
<thead>
<tr>
<th>LED Color</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>Unit Boot Up</td>
</tr>
<tr>
<td>Green, 1 Blink</td>
<td>Config Button Pressed</td>
</tr>
<tr>
<td>Blinking Green</td>
<td>Push to Pair Mode</td>
</tr>
<tr>
<td>Red, 1 Blink</td>
<td>Indicates low battery. It will only blink if the Config button is pressed.</td>
</tr>
<tr>
<td></td>
<td>Also blinks if Reset button on back is pressed</td>
</tr>
<tr>
<td>Blinking Red</td>
<td>Push n’ Learn Mode (not applicable to LMPC-600 but will blink if other devices are in PnP)</td>
</tr>
<tr>
<td>Blue</td>
<td>Indicates motion detection, only if device is woken up. (This is intended to help determine coverage detection for placement.)</td>
</tr>
</tbody>
</table>
Warranty Information

Wattstopper warrants its products to be free of defects in materials and workmanship for a period of five (5) years. There are no obligations or liabilities on the part of Wattstopper for consequential damages arising out of, or in connection with, the use or performance of this product or other indirect damages with respect to loss of property, revenue or profit, or cost of removal, installation or reinstatement.

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FCC REGULATORY STATEMENTS

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with FCC and IC safety levels of radio frequency (RF) exposure for Mobile devices.

This device is only authorized for use in a mobile application. At least 20 cm of separation distance between this device and the user’s body must be maintained at all times.

Any changes or modifications not expressly approved by The Watt Stopper Inc. could void the user’s authority to operate the equipment.