

Zlink ZL-PD-100

Zlink Plug-in Dimmer ZL-PD-100 User Manual

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1. PRODUCT OVERVIEW

The Zlink ZL-PD-100 is a Z-Wave Plus certified plug-in dimmer designed to provide wireless control over incandescent, dimmable CFL, and dimmable LED lighting. It allows you to turn lights on/off and adjust brightness levels remotely via a Z-Wave hub or manually using the integrated button. This device is ideal for integrating standard lamps into your smart home system.

1.1 Key Features

- Z-Wave Plus certified for wide compatibility and enhanced range.
- Controls incandescent loads up to 300W and dimmable CFL/LED loads up to 65W.
- Manual ON/OFF and dimming control via front button.
- Compact design that does not block the second outlet.

2. IMPORTANT SAFETY INFORMATION

WARNING: RISK OF ELECTRIC SHOCK. This product is intended for indoor use only. Do not expose to rain or water. Do not use in wet locations.

- Read all instructions before installation and use.
- Do not exceed the maximum wattage ratings: 300W Incandescent, 65W Dimmable CFL/LED.
- Ensure the connected load is compatible with dimming functionality. Non-dimmable bulbs may be damaged or cause the dimmer to malfunction.
- Unplug the device from the wall outlet before cleaning. Clean only with a dry cloth.
- Do not attempt to disassemble or repair the unit. There are no user-serviceable parts inside.

3. PACKAGE CONTENTS

- Zlink ZL-PD-100 Plug-in Dimmer (1 unit)

4. SETUP AND INSTALLATION

4.1 Physical Installation

1. Plug the ZL-PD-100 dimmer into a standard 120V AC wall outlet.
2. Plug the lamp or appliance you wish to control into the outlet on the front of the ZL-PD-100 dimmer. Ensure the lamp is turned ON if it has its own switch.



Image 1: Front view of the Zlink ZL-PD-100 Plug-in Dimmer. This image shows the white rectangular dimmer with a two-prong outlet on the front and a circular control button below it.



Image 2: Side view of the Zlink ZL-PD-100 Plug-in Dimmer. This image displays the side profile of the dimmer, highlighting the two-prong plug that inserts into a wall outlet.

4.2 Z-Wave Network Inclusion (Pairing)

To add the ZL-PD-100 to your Z-Wave network, follow these steps:

1. Place your Z-Wave controller/hub into Inclusion (Add) mode. Refer to your controller's manual for specific instructions.
2. Press the control button on the front of the ZL-PD-100 dimmer **once**. The LED indicator will flash to confirm inclusion mode.
3. The Z-Wave controller will confirm successful inclusion. The LED on the dimmer will stop flashing and remain solid if the light is on, or off if the light is off.
4. If inclusion is unsuccessful, refer to the Troubleshooting section.

4.3 Z-Wave Network Exclusion (Removal)

To remove the ZL-PD-100 from your Z-Wave network, follow these steps:

1. Place your Z-Wave controller/hub into Exclusion (Remove) mode. Refer to your controller's manual for specific instructions.

2. Press the control button on the front of the ZL-PD-100 dimmer **once**. The LED indicator will flash to confirm exclusion mode.
3. The Z-Wave controller will confirm successful exclusion. The LED on the dimmer will stop flashing.

5. OPERATING INSTRUCTIONS

5.1 Manual Control

- **Turn ON/OFF:** Press the control button once to toggle the connected light ON or OFF.
- **Dimming:** When the light is ON, press and hold the control button to cycle through brightness levels. Release the button when the desired brightness is reached.

5.2 Z-Wave Control

Once paired with a Z-Wave hub, you can control the ZL-PD-100 remotely using your hub's interface or associated mobile application.

- **Turn ON/OFF:** Use the ON/OFF controls within your Z-Wave app.
- **Dimming:** Use the dimming slider or controls within your Z-Wave app to adjust the brightness level.

6. MAINTENANCE

The Zlink ZL-PD-100 requires minimal maintenance.

- Ensure the device is unplugged before cleaning.
- Wipe the exterior with a soft, dry cloth. Do not use liquid cleaners or sprays.
- Avoid exposing the device to extreme temperatures or humidity.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not respond to manual control.	No power; connected lamp is off or faulty.	Check if the wall outlet has power. Ensure the connected lamp is functional and its own switch is ON.
Cannot include (pair) the device to Z-Wave network.	Controller not in inclusion mode; device too far from controller; device previously paired.	Ensure your Z-Wave controller is in inclusion mode. Move the dimmer closer to the controller. Perform an exclusion process first, then try inclusion again.
Cannot exclude (remove) the device from Z-Wave network.	Controller not in exclusion mode; device too far from controller.	Ensure your Z-Wave controller is in exclusion mode. Move the dimmer closer to the controller.
Connected light flickers or does not dim properly.	Non-dimmable bulb; bulb wattage exceeds limits; incompatible dimmable bulb.	Ensure the bulb is specifically labeled as 'dimmable'. Verify the bulb's wattage is within the ZL-PD-100's specifications (300W Incandescent, 65W Dimmable CFL/LED). Try a different dimmable bulb.

Problem	Possible Cause	Solution
Z-Wave control is intermittent or unresponsive.	Distance from hub; network interference; Z-Wave mesh issues.	Ensure the dimmer is within range of your Z-Wave hub or other Z-Wave devices that can act as repeaters. Optimize your Z-Wave network by running a network heal function on your hub.

8. PRODUCT SPECIFICATIONS



Image 3: Back view of the Zlink ZL-PD-100 Plug-in Dimmer. This image shows the product label with electrical ratings, Z-Wave Plus logo, UL listing, and FCC ID.

Parameter	Value
Model Number	ZL-PD-100
Power	120 VAC, 60 Hz
Max Load (Incandescent)	300W (2.5A)
Max Load (Dimmable CFL/LED)	65W

Parameter	Value
Wireless Technology	Z-Wave Plus
Operating Temperature	32-104° F (0-40° C)
Dimensions (Approx.)	4.3 x 2.6 x 2.5 inches (Package)
Item Weight	4.8 ounces
Certifications	UL Listed, FCC ID: 2ABWCPD100

9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact Zlink customer service. Refer to the product packaging or Zlink's official website for the most current contact details.

Website: www.zlinkproducts.com