

UltraPro 54890

UltraPro Z-Wave Plus Smart Light Switch (Model 54890) User Manual

Integrated Repeater Range Extender, Wall Paddles, Z-Wave Hub Required

1. INTRODUCTION

Thank you for choosing the UltraPro Z-Wave Plus Smart Light Switch. This device allows you to remotely control your lighting and create schedules for a wide range of fixtures when connected to a compatible Z-Wave hub. It features QuickFit and SimpleWire technologies for easier installation and enhanced reliability. This manual provides detailed instructions for installation, operation, and troubleshooting.

2. SAFETY INFORMATION

- **RISK OF ELECTRIC SHOCK:** Electricity can cause personal injury and property damage if handled improperly. All wiring must be performed by a qualified electrician or knowledgeable person.
- **DISCONNECT POWER:** Always turn OFF the power to the circuit breaker or fuse box before installing or servicing this device.
- **NEUTRAL WIRE REQUIRED:** This smart switch requires a neutral wire for proper operation. If your switch box does not have a neutral wire, consult a qualified electrician.
- **INDOOR USE ONLY:** This device is intended for indoor use only.
- **COMPATIBILITY:** Ensure the total wattage of the connected load does not exceed the switch's maximum rating (120 watts).

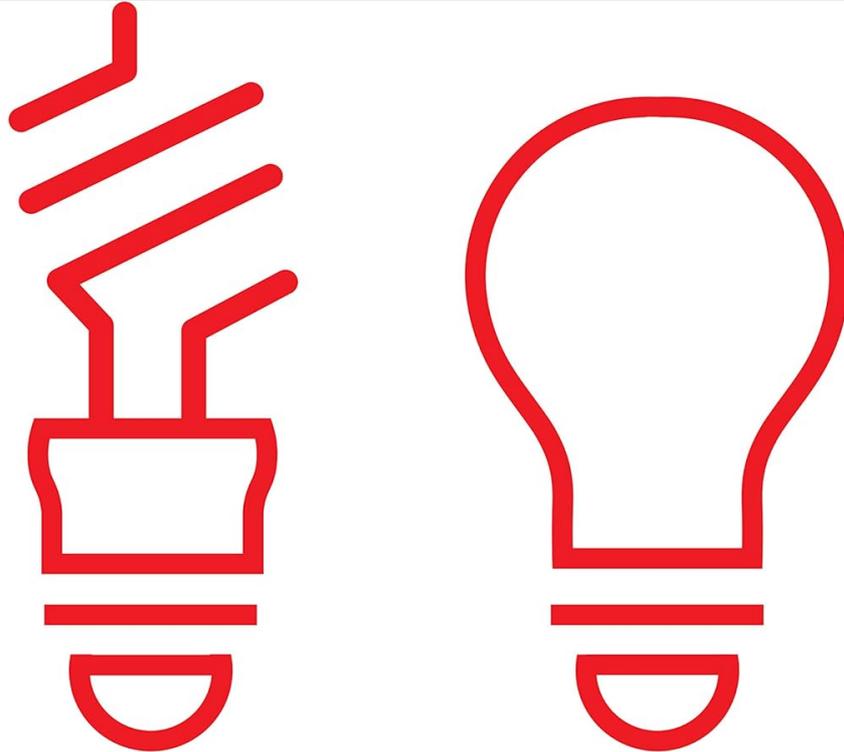
3. PACKAGE CONTENTS

- 2 x UltraPro Z-Wave Plus Smart Light Switches
- User Manual

4. FEATURES

- **QuickFit Design:** Reduced housing depth (up to 20% less than previous Z-Wave models) and elimination of heat tabs make installation easier in older or crowded switch boxes.

- **SimpleWire Technology:** Auto-detecting line/load terminals simplify wiring by automatically identifying line and load wires. Dual offset ground ports support daisy-chaining.
- **Z-Wave Plus Certified:** Ensures compatibility with all Z-Wave certified hubs and devices.
- **Integrated Repeater:** Extends the range of your Z-Wave network.
- **Voice Control:** Compatible with Google Assistant and Amazon Alexa when connected to a compatible Z-Wave hub.
- **Remote Control & Scheduling:** Remotely turn lights on/off and create custom schedules via your Z-Wave hub.
- **Versatile Compatibility:** Works with all LED, CFL, incandescent, and halogen bulbs, as well as other devices.



Works with all LED, CFL, incandescent and halogen bulbs, and other devices

This smart switch is compatible with various bulb types, including LED, CFL, incandescent, and halogen.

5. SETUP AND INSTALLATION

5.1 Pre-Installation Checklist

- Verify that your switch box has a neutral wire (usually white).
- Ensure the power to the switch location is OFF at the circuit breaker.
- Confirm you have basic wiring tools (screwdriver, wire strippers).

5.2 Wiring Instructions

The UltraPro Smart Switch features SimpleWire technology for simplified wiring. The auto-detecting line/load terminals will identify the correct wires. Dual ground ports are offset to prevent interference with mounting screws.

1. **Turn OFF Power:** At the circuit breaker, turn off the power to the switch box you are working on.
2. **Remove Old Switch:** Carefully remove the existing switch from the wall box. Disconnect the wires, noting their original connections.
3. **Connect Wires:** Connect the wires from your wall box to the UltraPro Smart Switch terminals as follows:
 - **Ground Wire:** Connect the bare copper or green wire from the wall box to the GROUND terminal.
 - **Neutral Wire:** Connect the white neutral wire from the wall box to the NEUTRAL terminal.
 - **Line/Load Wires:** Connect the black line and load wires to the LINE/LOAD terminals. The SimpleWire technology will automatically detect which is which.
 - **Traveler Wire (for 3-way setups):** If installing in a 3-way configuration, connect the traveler wire to the TRAVELER terminal. (Requires an UltraPro add-on switch #39350, sold separately).
4. **Secure Switch:** Carefully fold the wires and push the switch into the wall box. Secure it with the provided screws.
5. **Install Wallplate:** Attach the wallplate (sold separately).
6. **Restore Power:** Turn ON the power at the circuit breaker. The blue LED on the switch should illuminate.



VOICE CONTROL

Use Google Assistant and Amazon Alexa to operate and schedule UltraPro smart controls.

*Use with mobile devices requires compatible gateway – sold separately

Wiring diagram for the UltraPro Z-Wave Plus Smart Switch, illustrating connections for ground, line/load, traveler, and neutral wires.



SINGLE SWITCH OR MULTI-SWITCH*

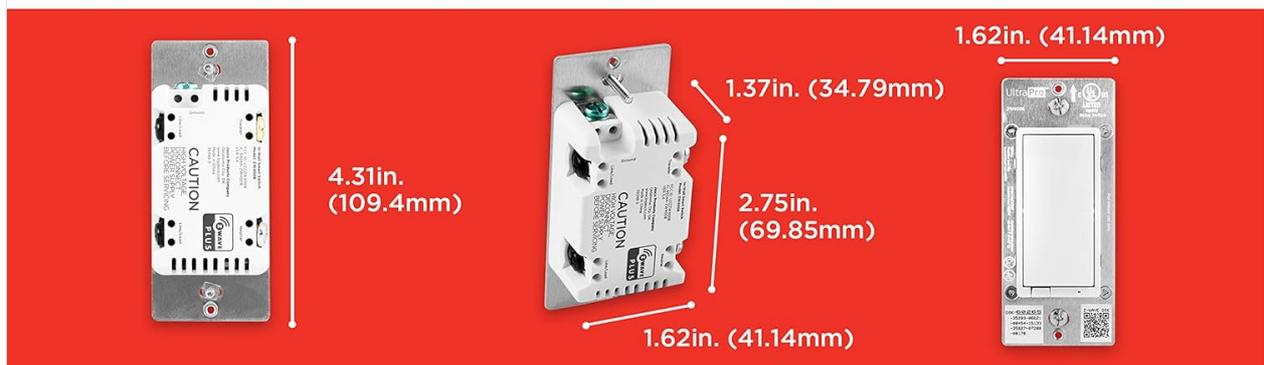
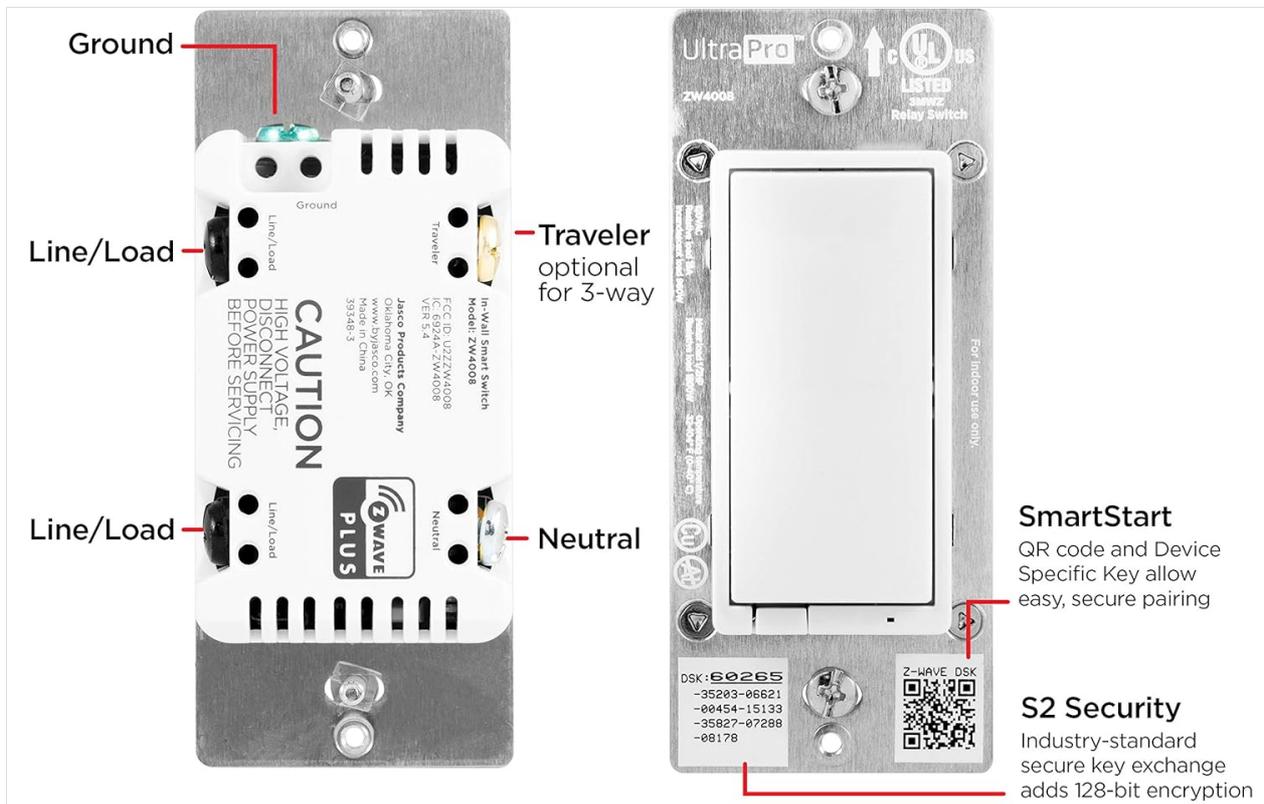


Control lighting from up to five switches

* Requires UltraPro add-on switch #39350 (sold separately) — wallplate sold separately

The switch supports both single-pole and multi-switch (3-way) configurations. Multi-switch setups require an UltraPro add-on switch (sold separately).

5.3 Dimensions



Physical dimensions of the UltraPro Smart Switch, including depth, width, and height, shown in both inches and millimeters. Note the SmartStart QR code for easy pairing.

6. OPERATING INSTRUCTIONS

6.1 Manual Control

- **Turn ON:** Press the top of the paddle switch.
- **Turn OFF:** Press the bottom of the paddle switch.

6.2 Z-Wave Integration (Pairing)

To integrate your smart switch into your Z-Wave network, you will need a compatible Z-Wave hub. The switch supports SmartStart for simplified pairing.

1. **Enable Pairing Mode:** Put your Z-Wave hub into inclusion or pairing mode. Refer to your hub's instruction manual for specific steps.
2. **SmartStart (Recommended):** If your hub supports SmartStart, scan the QR code located on the switch or its packaging. The switch will automatically pair with your hub. The Device Specific Key (DSK) is also printed near the QR code for manual entry if needed.
3. **Manual Inclusion:** If SmartStart is not available, initiate manual inclusion on your Z-Wave hub. Then,

quickly press the top or bottom paddle of the UltraPro switch once. The LED indicator will flash to confirm inclusion.

4. **Confirmation:** Your Z-Wave hub should confirm successful pairing. You can now control the switch through your hub's interface.

6.3 Voice Control

Once successfully paired with a Z-Wave hub that supports Amazon Alexa or Google Assistant integration, you can use voice commands to control your lights.

1. **Connect Hub to Voice Assistant:** Follow your Z-Wave hub's instructions to link it with your Amazon Alexa or Google Assistant account.
2. **Discover Devices:** Use the voice assistant app to discover new devices. Your UltraPro Smart Switch should appear.
3. **Voice Commands:** You can now use commands such as:
 - "Alexa, turn on the living room light."
 - "Hey Google, turn off the kitchen light."



Control your UltraPro Smart Switch using voice commands with Amazon Alexa or Google Assistant, requiring a compatible Z-Wave hub.

6.4 Remote Control and Custom Scenes

Through your Z-Wave hub's application, you can control your lights from anywhere and create custom scenes.

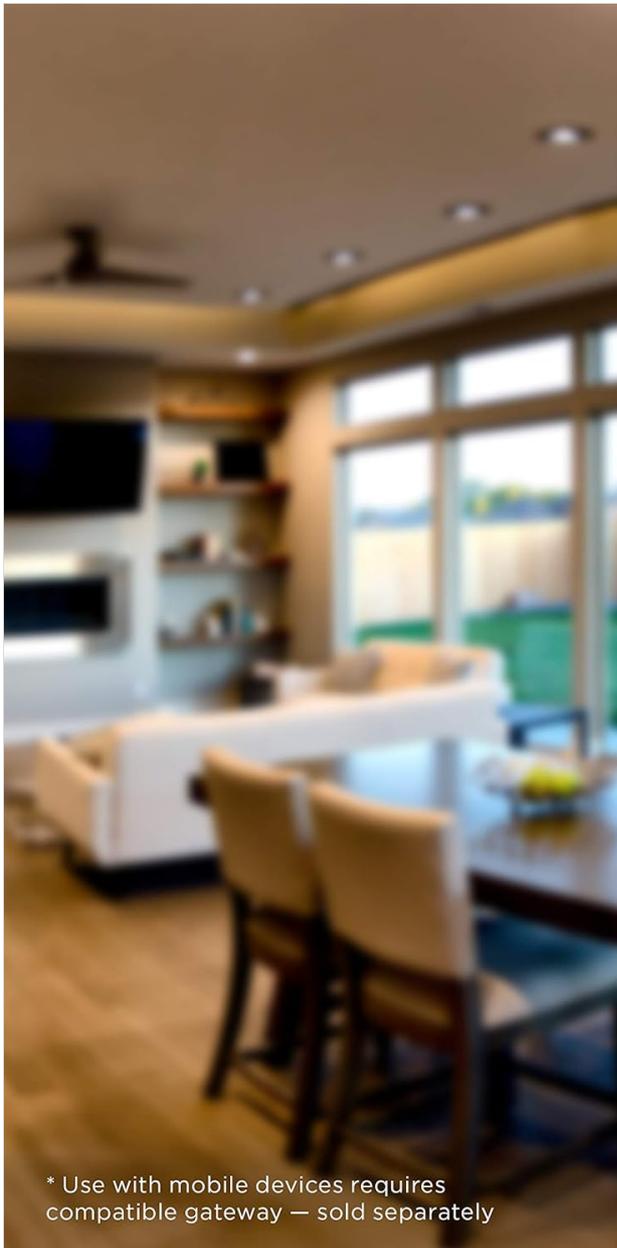
- **Control from Anywhere:** Use your smartphone, tablet, or PC to turn lights on or off, or adjust schedules, even when you're away from home.
- **Custom Scenes:** Program groups of hardwired fixtures for specific events, times, or moods. For example, a "Movie Night" scene could dim the lights, or a "Good Morning" scene could gradually brighten them.



CONTROL FROM ANYWHERE
on any smart device from smartphone, tablet or PC.

* Use with mobile devices requires compatible gateway — sold separately

Control your lighting from any smart device, including smartphones, tablets, or PCs, from any location.



* Use with mobile devices requires compatible gateway — sold separately

CUSTOM SCENES

Program groups of hardwired fixtures for entertaining, events or specific times.



Create custom scenes to program groups of hardwired fixtures for entertaining, events, or specific times.

7. MAINTENANCE

The UltraPro Smart Light Switch requires minimal maintenance. To clean, gently wipe the surface with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. There are no user-serviceable parts inside the switch.

8. TROUBLESHOOTING

- **Light does not turn ON/OFF:**

- Ensure power is restored at the circuit breaker.
- Check wiring connections to ensure they are secure and correct (Line, Load, Neutral, Ground).
- Verify the bulb is working and properly installed.

- **Switch does not pair with Z-Wave hub:**

- Ensure your Z-Wave hub is in inclusion/pairing mode.

- Try moving the hub closer to the switch during pairing.
- **Reset the switch:** With the switch LED glowing, quickly press the top paddle three times, then the bottom paddle three times. The LED will flash to confirm reset. Then attempt pairing again.
- If using SmartStart, ensure the QR code is scanned correctly.

- **Remote control not working:**

- Confirm the switch is successfully paired with your Z-Wave hub.
- Check your Z-Wave network's health and signal strength. The switch acts as a repeater, but obstacles can still affect communication.
- Ensure your Z-Wave hub has internet connectivity if controlling remotely.

9. SPECIFICATIONS

Manufacturer	Jasco Products Company
Part Number	54890
Model Number	54890
Size	2-Pack
Color	White
Style	500 Series
Material	Metal
Wattage	120 watts
Item Package Quantity	1
Switch Type	1-way
Plug Profile	Wall Mount
Switch Style	Rocker Switch
Certification	cULus
Included Components	2 smart light switches
Batteries Included	No
Batteries Required	No
Product Dimensions (L x W x H)	4.88 x 5.44 x 10.54 cm; 259 g (1.92 x 2.14 x 4.15 inches)
Operation Mode	ON-OFF
Current Rating	15 Amps
Operating Voltage	120 Volts
Contact Type	Normally Open

Connector Type	Clamp
Terminal	Screw

10. WARRANTY

UltraPro products are designed for reliability and performance. For specific warranty information, please refer to the documentation included with your purchase or visit the manufacturer's official website. Keep your proof of purchase for warranty claims.

11. SUPPORT

If you encounter any issues or have questions regarding the UltraPro Z-Wave Plus Smart Light Switch, please refer to the troubleshooting section of this manual or contact UltraPro customer support. Contact information can typically be found on the product packaging or the manufacturer's website.