Lutron PD-6ANS-LA

Lutron Caseta Original Smart Light Switch (Model PD-6ANS-LA) Instruction Manual

Model: PD-6ANS-LA

Introduction Safety Information Package Contents Specifications Setup & Installation Operation Maintenance Troubleshooting Support

1. Introduction

This manual provides instructions for the Lutron Caseta Original Smart Light Switch, Model PD-6ANS-LA. It covers installation, operation, and features of this smart switch designed for controlling various lighting loads and fans. The switch supports up to 720W incandescent/halogen, 6A dimmable LED/CFL, and 3.6A general-purpose fans. It integrates with smart home systems for app and voice control, and can function in single-pole or 3-way configurations (neutral wire required).

The Lutron Caseta system allows you to control your lights from the wall switch, a free Lutron app, or using voice commands. It enables scheduling and scene activation for enhanced convenience and energy savings.

2. Safety Information

WARNING: RISK OF ELECTRIC SHOCK. Improper installation can result in serious injury or death. Always turn off power at the circuit breaker before installing or servicing this product.

- Installation must be performed by a qualified electrician or trained personnel.
- Ensure the circuit breaker is OFF before beginning installation.
- A neutral wire is REQUIRED for this switch. Verify its presence in your electrical box before installation.
- Do not use with loads exceeding the specified ratings: 720W incandescent/halogen, 6A dimmable LED/CFL, or 3.6A general-purpose fans.
- For indoor use only.

3. Package Contents

The package includes:

- 1x Lutron Caseta Smart Switch (Model PD-6ANS-LA)
- Instruction Manual

Note: Coordinating wall plate and Pico remote control are sold separately.

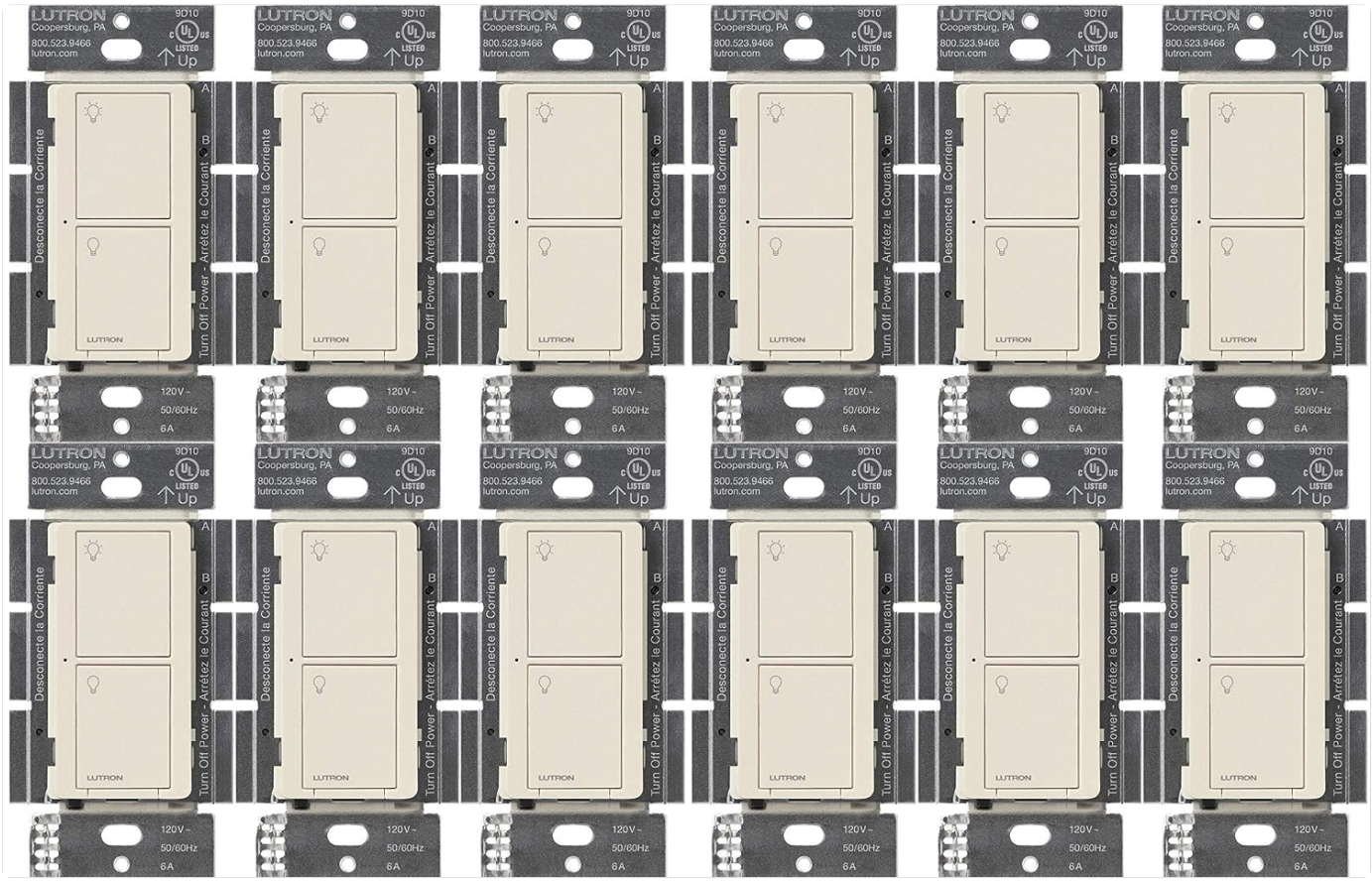


Image: A 12-pack of Lutron Caseta Smart Light Switches, showing the front and back of the switches with wiring diagrams.

4. Specifications

Feature	Detail
Model Number	PD-6ANS-LA
Brand	Lutron
Product Dimensions	12 x 4 x 8 inches
Weight	3.65 Pounds
Operation Mode	OFF-NONE-ON
Current Rating	6 Amps
Operating Voltage	120 Volts
Contact Type	Normally Closed
Circuit Type	Single-pole/3-way
Neutral Wire	Required

Load Compatibility	720W Incandescent/Halogen/ELV/MLV, 6A Dimmable LED/CFL, 3.6A General-Purpose Fans
Material	Brass

5. Setup & Installation

The Lutron Caseta Smart Switch is designed for easy installation, typically taking around 15 minutes. A neutral wire is required for installation. If you are unsure about electrical wiring, consult a qualified electrician.

5.1 Pre-Installation Checklist

- Verify power is OFF at the circuit breaker.
- Confirm the presence of a neutral wire in your electrical box.
- Gather necessary tools: flathead screwdriver, Phillips head screwdriver, pliers.
- Ensure you have a Lutron Smart Hub (sold separately) for smart features.

5.2 Wiring Instructions (Single-Pole)

1. **Turn off power:** Locate your circuit breaker and turn off the power to the switch you are replacing.
2. **Remove old switch:** Carefully remove the existing wall plate and unscrew the old switch from the electrical box.
3. **Disconnect wires:** Disconnect the wires from the old switch. Note which wire is the line (hot), load, and neutral.
4. **Connect new switch:**
    - Connect the **black wire** from the Caseta switch to the **line (hot) wire** from the electrical box.
    - Connect the **red wire** from the Caseta switch to the **load wire** from the electrical box.
    - Connect the **white wire** from the Caseta switch to the **neutral wire** from the electrical box.
    - Connect the **green wire** from the Caseta switch to the **ground wire** from the electrical box.
5. **Mount switch:** Carefully push the wires back into the electrical box and secure the Caseta switch with screws.
6. **Install wall plate:** Attach the coordinating wall plate (sold separately).
7. **Restore power:** Turn the power back on at the circuit breaker.

5.3 Wiring Instructions (3-Way)

For 3-way applications (two switches controlling one light), you will replace one existing switch with the Caseta Smart Switch and the other with a Pico remote control mounted over the existing electrical box using a Pico Wallbox Adapter (PICO-WBX-ADAPT, sold separately).

1. **Identify wires:** At the location where you will install the Caseta Smart Switch, identify the line (hot), load, and neutral wires.
2. **Install Caseta Switch:** Follow the single-pole wiring instructions for the Caseta Smart Switch at this location.
3. **At the second switch location:**
    - Remove the existing 3-way switch.
    - Cap off the traveler wires (typically red and black, but verify with a voltage tester).
    - Connect the remaining line/load wire to the other line/load wire (effectively making it a single-pole circuit controlled by the Caseta switch).
    - Mount the Pico Wallbox Adapter over the electrical box.
    - Mount the Pico remote control into the adapter.
4. **Pair Pico remote:** Follow the instructions in the Lutron app to pair the Pico remote with your Caseta Smart Switch.



Image: Diagram illustrating a single-pole wiring setup for the Caseta smart switch.



Image: Diagram illustrating a wireless 3-way setup using a Caseta smart switch and a Pico remote.



Image: Diagram showing how to add a second switch anywhere using a Pico remote, without additional wiring.



Image: Diagram illustrating a wireless multi-location setup with three or more switches controlling lights.

5.4 Smart Hub Connection

To enable smart features like app control, voice control, and scheduling, a Lutron Smart Hub (L-BDG2-WH, sold separately) is required. Connect the Smart Hub to your Wi-Fi router and follow the instructions in the Lutron app to add your Caseta Smart Switch and other devices.

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Video: "Installing Caseta Video" - This video provides a visual guide on how to install Lutron Caseta devices, including wiring and setup with the Smart Hub.

6. Operation

6.1 Manual Control

The Caseta Smart Switch features a simple on/off button for direct control of your lights or fan. Press the top button to turn on, and the bottom button to turn off.



Image: A close-up view of the Lutron Caseta Smart Light Switch, showing the on/off buttons.

6.2 App Control (Lutron App)

With the Lutron Smart Hub and app, you can control your lights from your smartphone or tablet. The app allows you to:

- Turn lights/fans on or off remotely.
- Create custom lighting scenes (e.g., "Movie Night," "Good Morning").
- Set schedules for lights to turn on/off automatically (e.g., at sunset or specific times).
- Enable "Smart Away" to randomly turn lights on/off when you're away to simulate occupancy.



Image: A smartphone displaying the Lutron Caseta app interface for scheduling lights, alongside an Amazon Echo device for voice control.

6.3 Voice Control

The Caseta system is compatible with major voice assistants such as Amazon Alexa, Apple HomeKit, and Google Assistant. Once integrated with your smart home system, you can use voice commands to control your lights and fans.

- "Alexa, turn on the kitchen lights."
- "Hey Google, set living room lights to 50%."
- "Siri, turn off all lights."



Image: Various Lutron Caseta devices and a smartphone showing compatibility with Alexa, Apple HomeKit, Google Assistant, Ring, Serena, and Sonos.

6.4 Pico Remote Control (Sold Separately)

The wireless Pico remote control offers flexible control from anywhere in your home. It can be used handheld, mounted to a wall surface without wiring, or placed on a pedestal.



Image: A person using a handheld Pico remote to control lights, with a wall-mounted switch and remote bracket shown in the background.

7. Maintenance

- Clean the switch and wall plate with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- No user-serviceable parts inside. Do not attempt to disassemble the switch.
- Ensure proper ventilation around the switch to prevent overheating.

8. Troubleshooting

Problem	Possible Cause / Solution
Lights do not turn on/off from the switch.	◦ Check if power is restored at the circuit breaker. ◦ Verify wiring connections are secure and correct. ◦ Ensure the neutral wire is properly connected (required for this switch).
Smart features (app/voice control) are not working.	◦ Ensure the Lutron Smart Hub is properly connected to your router and powered on. ◦ Verify the Caseta Smart Switch is paired with the Smart Hub in the Lutron app. ◦ Check your home Wi-Fi network and internet connection. ◦ Ensure your voice assistant (Alexa, Google, HomeKit) is properly linked to your Lutron account.
Pico remote is not controlling the switch.	◦ Ensure the Pico remote is properly paired with the Caseta Smart Switch via the Lutron app. ◦ Check the battery in the Pico remote.

9. Support & Warranty

9.1 Customer Support

Lutron offers 24/7 lifetime technical support for their products. If you have questions or require assistance, please contact Lutron customer support.
Phone: 1-844-LUTRON1 (1-844-588-7661)
Website: casetawireless.com/support

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Video: "Lutron 24/7 Support" - This video highlights Lutron's commitment to customer support, available anytime for assistance with their products.

9.2 Warranty Information

Specific warranty details are typically included with your product packaging or available on the official Lutron website. Please refer to these resources for comprehensive warranty terms and conditions.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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