## Lutron PD-6ANS

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

Model: PD-6ANS-LA

## Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Lutron Caseta Smart Light Switch (Model PD-6ANS-LA). Please read these instructions carefully before installation and retain them for future reference. This switch is designed for controlling various load types including incandescent, halogen, ELV, MLV, LED/CFL, and general-purpose fans.

## Safety Information

- **WARNING: SHOCK HAZARD.** May result in serious injury or death. Turn off power at the circuit breaker or fuse box before installing.
- Install in accordance with all national and local electrical codes.
- If you are unsure about any part of these instructions, consult a qualified electrician.
- For indoor use only.
- Operating temperature: 0 °C to 40 °C (32 °F to 104 °F).
- Neutral wire is required for installation.

## Package Contents

Your package includes:

- 4 x Lutron Caseta Smart Switches (PD-6ANS-LA)

*Note: Coordinating wall plate and Lutron Smart Hub (L-BDG2-WH) are sold separately and are required for smart features.*

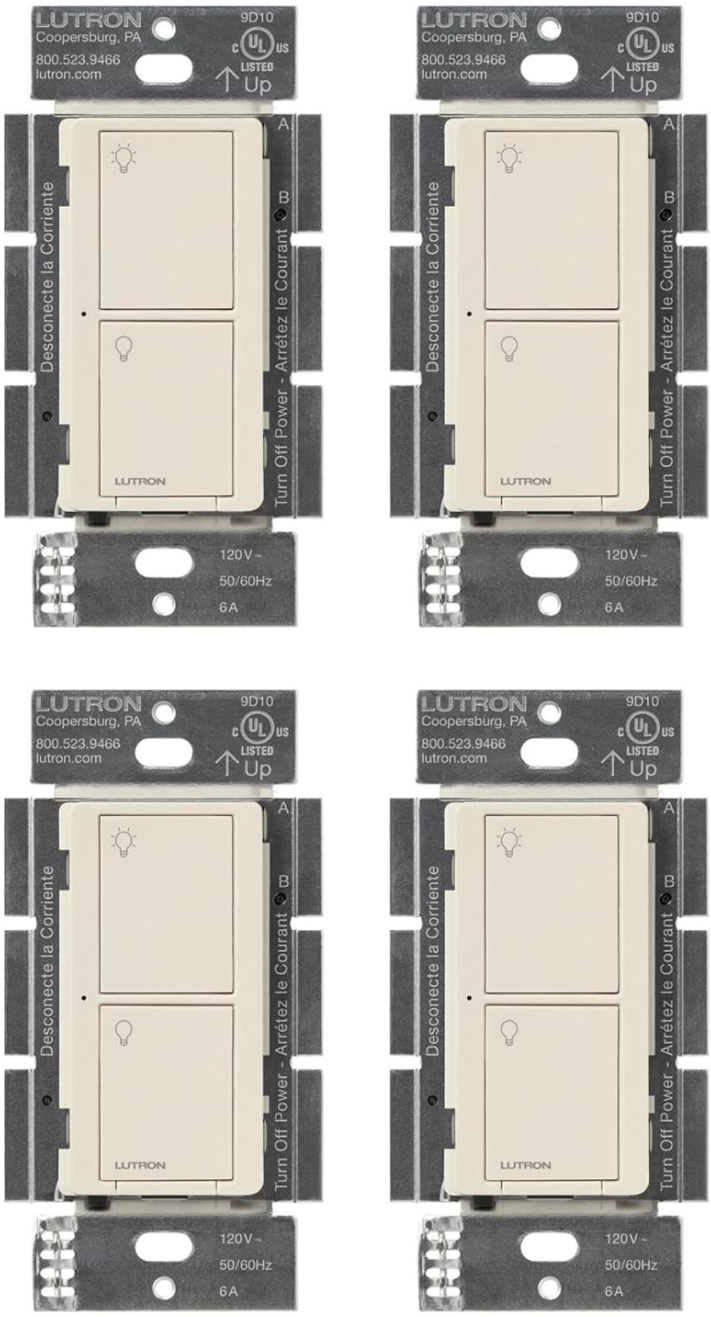



Image: Four Lutron Caseta Smart Light Switches (PD-6ANS-LA) in Light Almond.

## Product Overview

The Lutron Caseta Smart Light Switch offers convenient control of your lighting and fans. It features a simple on/off function and can be integrated into a smart home system with the Lutron Smart Hub.

### Key Features:

- **Control Options:** Operate from the wall, via the free Lutron app, or using voice commands (Lutron Smart Hub required).
- **Scheduling:** Set schedules or activate scenes through the app.
- **Smart Away:** Randomly turn lights on/off when away from home (Lutron Smart Hub required).
- **Compatibility:** Works with leading smart home devices including Alexa, Apple Home, Google Assistant, Ring, and Sonos (Lutron Smart Hub required).
- **Load Types:** Supports up to 720W incandescent/halogen/ELV/MLV, 6A LED/CFL, or 3.6A general-purpose fans.

- **3-Way Functionality:** Can be used in single-pole or 3-way applications.

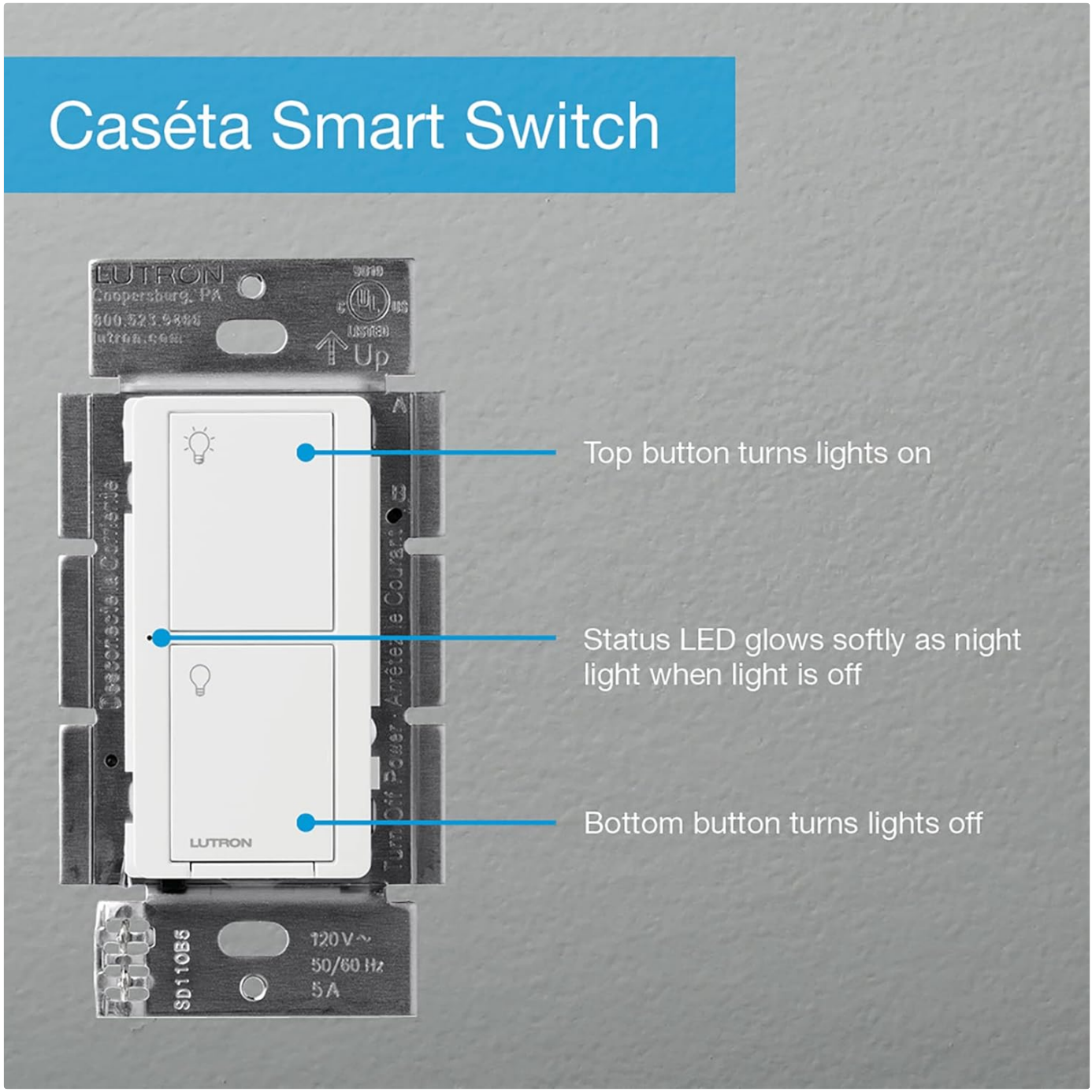



Image: Front view of the Caseta Smart Switch, indicating the top button for 'on', the status LED, and the bottom button for 'off'.

## Setup and Installation

### Pre-installation Checklist:

1. Ensure power is OFF at the circuit breaker before beginning.
2. Verify that a neutral wire is present in your electrical box. This switch requires a neutral wire.
3. Gather necessary tools: screwdriver, wire strippers, electrical tape.

### Wiring Instructions:

The Caseta Smart Switch can be installed in single-pole or 3-way applications. Always ensure power is off before wiring.



Image: Rear view of the Lutron Caseta Smart Switch, illustrating the various wire connections (load, line, neutral, ground).

### Single-Pole Installation (1 switch controls the light):

1. Turn off power at the circuit breaker.
2. Remove the existing switch from the wall box.
3. Identify the Line (hot), Load, Neutral, and Ground wires.
4. Connect the wires from the Caseta Smart Switch to the corresponding wires in the wall box:
    - Black wire (Line) to the Line (hot) wire.
    - Red wire (Load) to the Load wire.
    - White wire (Neutral) to the Neutral wire.
    - Green wire (Ground) to the Ground wire.
5. Secure the switch in the wall box and attach the wall plate (sold separately).
6. Restore power at the circuit breaker.




Image: Diagram illustrating a single-pole installation where one Caseta smart switch controls a light fixture.

### Wireless 3-Way Installation (2 switches control the light):

For 3-way applications, one Caseta Smart Switch replaces an existing switch, and a Pico remote (sold separately) with a wall plate bracket (sold separately) replaces the other switch.

1. Turn off power at the circuit breaker.
2. At Location 1 (where you install the Caseta Smart Switch), remove the existing switch and wire the Caseta Smart Switch as per single-pole instructions.
3. At Location 2 (where you install the Pico remote), remove the existing 3-way switch. Cap off the traveler wires with wire nuts. Connect the Line/Load wire to the other Line/Load wire (if applicable) and cap them. The Pico remote does not require wiring.
4. Mount the Pico remote to the wall using a wall plate bracket (PICO-WBX-ADAPT, sold separately) over the existing electrical box.
5. Restore power at the circuit breaker.




Image: Diagram showing a wireless 3-way installation, with a Caseta smart switch at one location and a Pico remote replacing the second switch.

### Adding a Second Switch Anywhere (No Wiring Required):

For lights controlled by a single Caseta smart switch, you can add a Pico remote (sold separately) to any wall surface to create an additional point of control without cutting holes or pulling new wires.

1. Install the Caseta Smart Switch as a single-pole switch.
2. Mount a Pico remote to the desired wall surface using a wall plate bracket (sold separately).
3. Wirelessly connect the Pico remote to the Caseta Smart Switch (refer to Pico remote instructions for pairing).




Image: Diagram illustrating how to add a second control point using a Pico remote on any wall surface, without additional wiring.

## Connecting to Lutron Smart Hub (L-BDG2-WH):

To enable smart features like app control, voice control, and scheduling, connect your Caseta Smart Switch to a Lutron Smart Hub (sold separately).

1. Plug in the Lutron Smart Hub to power and connect it to your home router.
2. Download the Lutron Caseta app on your smartphone or tablet.
3. Follow the in-app instructions to add your Smart Hub and then your Caseta Smart Switches.
4. The app will guide you through pairing your switches and setting up rooms, scenes, and schedules.




Image: The Lutron Smart Hub, a white rectangular device with a blue light strip, essential for smart functionality.

## Operating Instructions

### Manual Control:

- Press the **top button** on the switch to turn the connected lights or fan ON.
- Press the **bottom button** on the switch to turn the connected lights or fan OFF.
- The status LED on the switch glows softly when the light is off, acting as a night light.

### App Control (Lutron Smart Hub Required):

1. Open the Lutron Caseta app on your smartphone or tablet.
2. Select the desired room or device.
3. Tap the ON/OFF icon to control the switch.
4. Use the app to create schedules, scenes, and enable features like Smart Away.

### Voice Control (Lutron Smart Hub Required):

Once integrated with compatible voice assistants (e.g., Amazon Alexa, Apple Home, Google Assistant), you can control your lights with voice commands.

- Example commands:
  - "Alexa, turn on the living room lights."
  - "Hey Google, turn off the kitchen fan."
  - "Siri, set the porch light to on."

### Pico Remote Control (Sold Separately):

If you have paired a Pico remote with your Caseta Smart Switch, you can control the switch wirelessly from the remote.

- Press the top button on the Pico remote to turn lights ON.
- Press the bottom button on the Pico remote to turn lights OFF.

## Maintenance

- Clean the switch with a soft, damp cloth. Do not use chemical cleaners.
- Ensure the wall plate is securely fastened.
- Periodically check for firmware updates through the Lutron Caseta app for optimal performance and new features.

## Troubleshooting

| Problem | Possible Cause | Solution |
|---|---|---|
| Light/Fan does not turn ON/OFF. | No power to the switch; incorrect wiring; bulb/fan issue. | Check circuit breaker. Verify wiring. Test bulb/fan with a known working switch. |
| Switch is unresponsive to app/voice commands. | Lutron Smart Hub not connected or powered; Wi-Fi issue; switch not paired. | Ensure Smart Hub is powered and connected to network. Check Wi-Fi. Re-pair switch via Lutron app. |
| Pico remote not controlling switch. | Pico remote not paired; battery low. | Re-pair Pico remote with the switch. Replace Pico remote battery. |
| Lights flicker or hum. | Incompatible bulb type; load exceeds switch capacity. | Ensure bulbs are compatible with the switch. Verify total wattage/amperage does not exceed specifications. |

## Specifications

- **Model Number:** PD-6ANS-LA
- **Product Dimensions:** 1.44 x 2.94 x 4.69 inches
- **Weight:** 1.43 Pounds
- **Operation Mode:** ON-OFF
- **Current Rating:** 6 Amps
- **Operating Voltage:** 120 Volts

- **Contact Type:** Normally Open
- **Connector Type:** Din
- **Terminal:** Screw
- **Circuit Type:** Single-Pole/3-Way
- **Load Compatibility:** Up to 720W incandescent/halogen/ELV/MLV, 6A LED/CFL, or 3.6A general-purpose fans.
- **Neutral Wire:** Required

## Warranty and Support

For warranty information and technical support, please visit the official Lutron website or contact Lutron customer service. Details are typically provided in the product packaging or on the manufacturer's website.


### Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

**Name**

Anonymous

**Email**

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

**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.

Submit question