

Kasa Smart KS240

Kasa Smart Ceiling Fan Control & Dimmer Switch KS240 User Manual

Model: KS240

1. INTRODUCTION

This manual provides detailed instructions for the installation, setup, and operation of your Kasa Smart Ceiling Fan Control & Dimmer Switch (KS240). This device allows you to control your ceiling fan's speed and light brightness from the switch, the Kasa Smart app, or via voice commands with compatible smart home platforms.

2. SAFETY INFORMATION

WARNING: RISK OF ELECTRIC SHOCK. Always turn off power at the circuit breaker before installation. Improper installation can lead to serious injury or death.

- Ensure power is OFF at the circuit breaker before beginning installation.
- Install in a standard indoor wall box only.
- A neutral wire is required for operation.
- Do not exceed the maximum load ratings: LED 150W, Halogen/Incandescent 300W, AC Motor Fan 1.5A (less than 60W).
- Consult a qualified electrician if you are unsure about wiring or electrical procedures.

3. PACKAGE CONTENTS

- 1 x Kasa Smart Ceiling Fan Control & Dimmer Switch (KS240)
- 1 x Wall Plate
- Wire Nuts
- Screws
- Quick Installation Guide

4. PRODUCT OVERVIEW

The Kasa Smart KS240 switch integrates both fan speed control and light dimming into a single wall-mounted unit. It features intuitive touch controls and smart functionality.



Figure 4.1: Kasa Smart KS240 Switch Components

Key Features:

- **4 Fan Speeds:** Adjust airflow to your preference.
- **Adjustable Brightness:** Dim lights from 1% to 100%.
- **Voice Control:** Compatible with Apple HomeKit, Amazon Alexa, and Google Assistant.
- **App Control:** Manage fan and light settings remotely via the Kasa Smart app.
- **Scheduling & Timer:** Automate fan and light operation.
- **ETL Certified:** Ensures safety and quality standards.

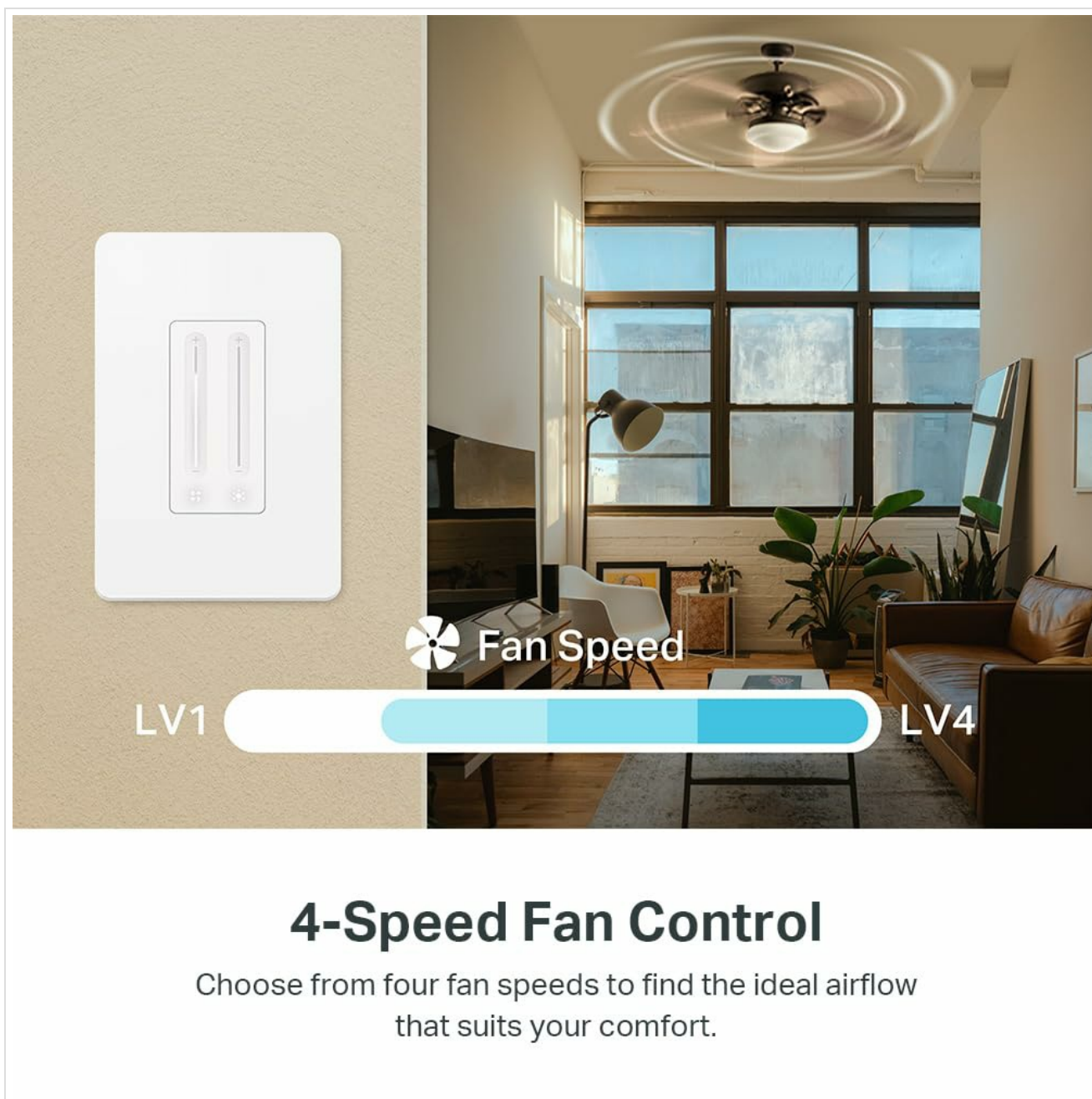


Figure 4.2: Kasa Smart KS240 Key Features

5. COMPATIBILITY REQUIREMENTS

Before installation, ensure your existing setup meets the following requirements:

Check for Compatibility



Separate load wires
for fan and light are required



LED
150W Max



Not Compatible with exhaust
fans, DC motor fans



Halogen & Incandescent
300W Max



Do not control fans with
integrated fan speed controls
(i.e., fans with remote control or
Bluetooth/Wi-Fi enabled).



AC Motor Speed
Control Fan
1.5A, Less than 60W

Figure 5.1: Kasa Smart KS240 Compatibility

- **Separate Load Wires:** Your ceiling fan and light must have separate load wires for independent control.
- **Neutral Wire:** A neutral wire (typically white) is required in your wall box.
- **Wi-Fi Network:** A 2.4GHz Wi-Fi network is necessary for smart functionality.
- **Fan Type:** Compatible with AC motor speed control fans (1.5A, less than 60W).
- **Light Type:** Supports LED (150W Max) and Halogen/Incandescent (300W Max) bulbs.
- **Incompatible:** Not compatible with exhaust fans, DC motor fans, or ceiling fans with integrated remote control/Bluetooth/Wi-Fi speed controls.

6. INSTALLATION GUIDE

Before proceeding, ensure power is OFF at the circuit breaker to avoid electric shock.

1. **Turn Off Power:** Locate your circuit breaker and turn off the power to the switch you are replacing. Verify power is off using a voltage tester.
2. **Remove Old Switch:** Unscrew and carefully remove the existing wall plate and switch from the wall box.

3. **Identify Wires:** Label each wire connected to your old switch. Common wires include Line (hot), Load (to fan/light), Neutral, and Ground. The Kasa app provides an app-guided installation to assist with wire identification.
4. **Connect Kasa Smart Switch:** Connect the wires from your wall box to the corresponding wires on the Kasa Smart Switch using the provided wire nuts. Refer to the wiring diagram below. Ensure all connections are secure.

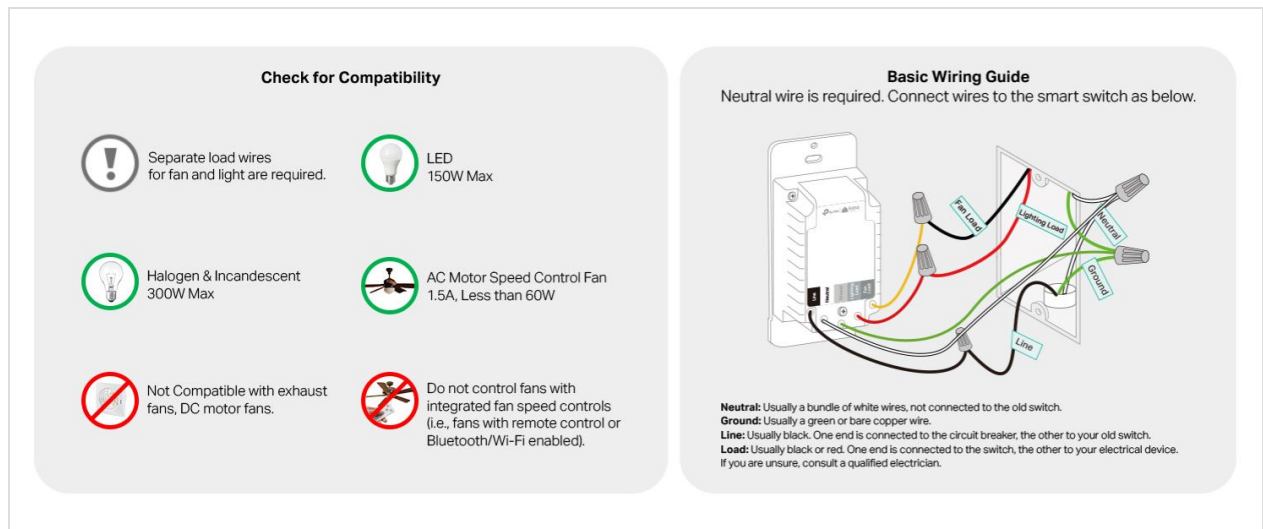


Figure 6.1: Kasa Smart KS240 Wiring Diagram

5. **Mount Switch:** Carefully fold the wires and push the switch into the wall box. Secure the switch with screws.
6. **Attach Wall Plate:** Snap on the new wall plate.
7. **Restore Power:** Turn the power back on at the circuit breaker. The switch's LED indicator should begin flashing, indicating it's ready for setup.

7. APP SETUP & SMART HOME INTEGRATION

After physical installation, configure your KS240 switch using the Kasa Smart app.

1. **Download Kasa Smart App:** Download the Kasa Smart app from the Apple App Store or Google Play Store.
2. **Create Kasa Account:** Open the app and create a Kasa account or log in if you already have one.
3. **Add Device:** Tap the '+' icon in the app, select 'Device', then 'Smart Switches', and choose 'Smart Fan Control & Dimmer Switch (KS240)'. Follow the on-screen instructions to connect the switch to your 2.4GHz Wi-Fi network.
4. **Smart Home Integration:**
 - **Apple HomeKit:** Once set up in the Kasa app, you can add the KS240 to Apple HomeKit. Open the Apple Home app, tap '+', and scan the HomeKit code on your device or packaging. For troubleshooting, visit [TP-Link HomeKit Support](#).
 - **Amazon Alexa/Google Assistant:** Link your Kasa account within the Alexa or Google Home app to enable voice control.

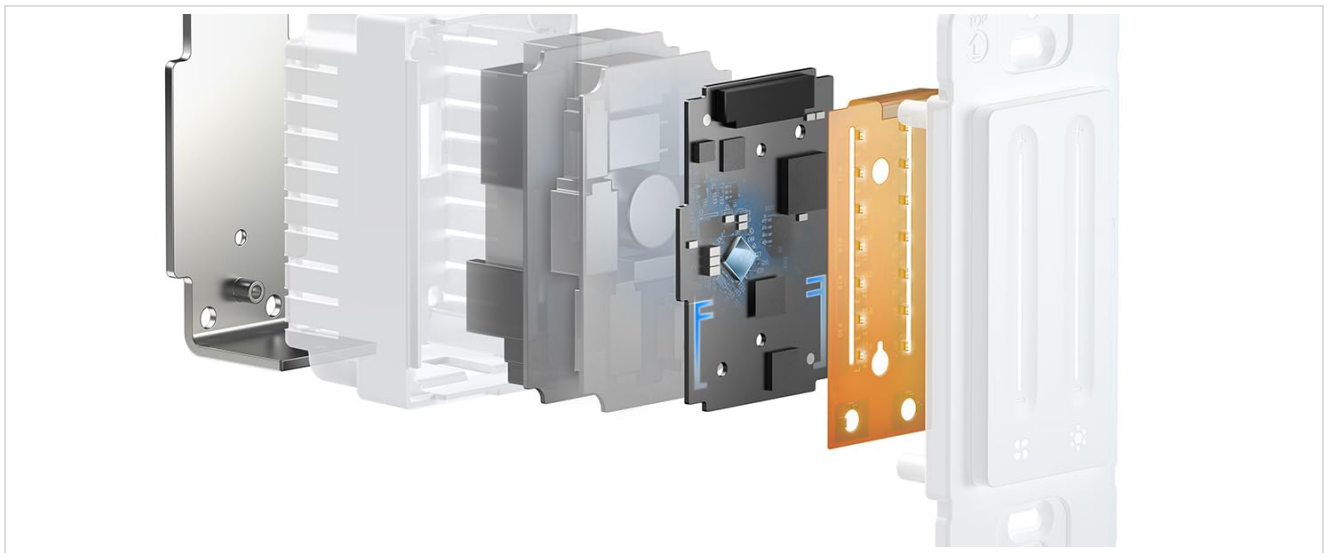


Figure 7.1: Apple HomeKit Integration

8. OPERATING INSTRUCTIONS

8.1 Manual Control

- **Fan Speed Control:** Slide the left control bar up or down to adjust the fan speed (4 levels). Press the fan button below the bar to turn the fan On/Off.
- **Light Dimmer Control:** Slide the right control bar up or down to adjust the light brightness (1% to 100%). Press the light button below the bar to turn the light On/Off.

8.2 App Control

Use the Kasa Smart app to control your fan and light from anywhere:

- Adjust fan speed and light brightness.
- Set schedules and timers for automated operation.
- Enable 'Away Mode' to randomly turn lights on/off for security.
- Configure 'Sleep Mode' for gradual dimming or fan speed reduction.

8.3 Voice Control

Control your fan and light using voice commands with Apple HomeKit (Siri), Amazon Alexa, or Google Assistant:

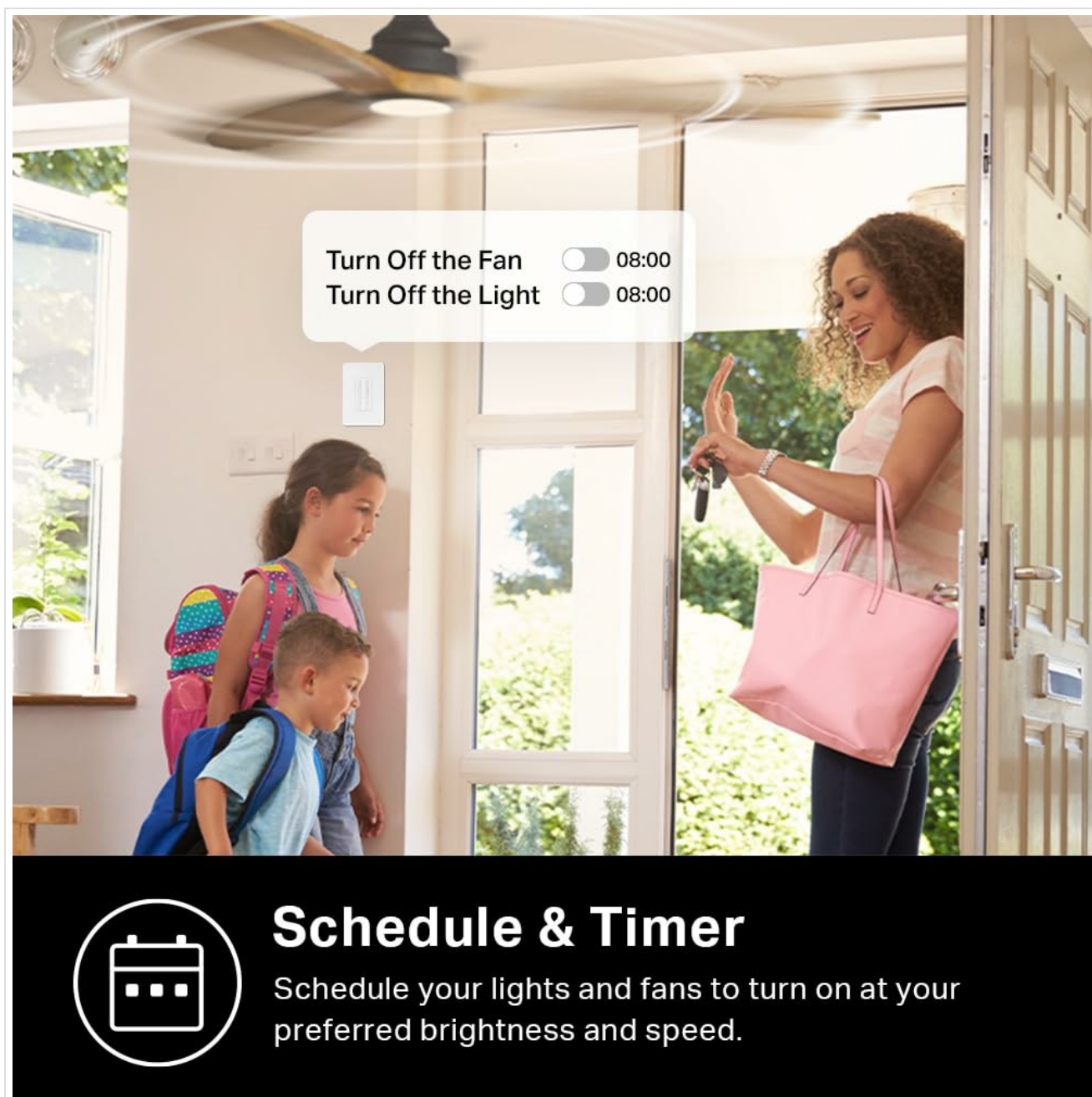


Figure 8.1: Voice Control Example

- "Hey Siri, turn on the fan."
- "Alexa, set the fan to speed 3."
- "Hey Google, dim the light to 50%."

9. MAINTENANCE

- Clean the switch with a soft, dry cloth. Do not use liquid cleaners.
- Ensure the wall plate is securely fastened to prevent dust and debris from entering the switch mechanism.
- Regularly check for firmware updates via the Kasa Smart app to ensure optimal performance and security.

10. TROUBLESHOOTING

10.1 Switch Not Responding / LED Flashing Red

- **Check Power:** Ensure the circuit breaker is on and the switch is receiving power.

- **Wi-Fi Connection:** Verify your 2.4GHz Wi-Fi network is active and the switch is within range. Re-attempt setup in the Kasa app if necessary.
- **Neutral Wire:** Confirm the neutral wire is correctly connected. This is essential for the switch to function.

10.2 Light Not Dimming Properly

- **Bulb Compatibility:** Ensure your LED bulbs are dimmable. Some LED bulbs may not dim effectively or may flicker.
- **Load Limits:** Verify the total wattage of your lights does not exceed the 150W (LED) or 300W (Halogen/Incandescent) maximum.
- **App Calibration:** Use the Kasa Smart app to calibrate the minimum and maximum dimming levels for your specific bulbs.

10.3 Fan Not Responding / Incorrect Speed

- **Fan Type:** Confirm your fan is an AC motor speed control fan and not an incompatible type (e.g., DC motor, integrated smart control).
- **Fan Pull Chain:** Ensure your ceiling fan's pull chain is set to its highest speed setting. The Kasa switch controls the speed from there.
- **Load Limits:** Verify the fan's current draw does not exceed 1.5A (less than 60W).

10.4 Accidental Factory Reset

- The switch can be factory reset by holding either the fan or light button for 5 seconds. If this occurs accidentally, you will need to re-add the device to the Kasa Smart app.



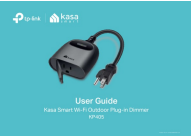



11. SPECIFICATIONS

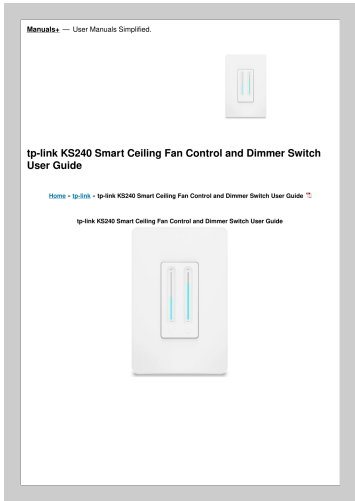
Feature	Specification
Model Number	KS240
Product Dimensions	4.13 x 1.75 x 1.64 inches
Operating Voltage	120 Volts (AC)
Current Rating	2.5 Amps
Max Load (LED)	150W
Max Load (Halogen/Incandescent)	300W
Max Load (AC Motor Fan)	1.5A (less than 60W)
Wi-Fi Frequency	2.4GHz only
Neutral Wire Required	Yes
Certifications	ETL
Manufacturer	TP-Link

12. WARRANTY AND SUPPORT

For warranty information and technical support, please visit the official Kasa Smart (TP-Link) website or contact their customer service. You can find support resources, FAQs, and contact details at [TP-Link Support](#).

Related Documents - KS240

	<p>Kasa Spot Wire-Free Camera KC310S2: 1080p HD Security System</p> <p>Explore the TP-Link Kasa Spot Wire-Free Camera KC310S2, a 2-camera system delivering crisp 1080p HD video, advanced night vision, two-way audio, and IP65 weather resistance. Key features include customizable activity zones, a long-lasting rechargeable battery, and effortless installation for comprehensive home security.</p>
	<p>Kasa Smart Wi-Fi Plug Slim KP115: Energy Monitoring & Remote Control TP-Link</p> <p>Discover the TP-Link Kasa Smart Wi-Fi Plug Slim (KP115). Monitor energy usage, schedule appliances, and control your home remotely via the Kasa app. Features voice assistant compatibility (Alexa, Google Assistant, SmartThings), compact design, and no hub required for easy smart home integration.</p>
	<p>Kasa Smart Wi-Fi Outdoor Plug-in Dimmer KP405 User Guide</p> <p>Explore the Kasa Smart Wi-Fi Outdoor Plug-in Dimmer KP405 with this comprehensive user guide. Learn about setup, weather-resistant features, remote control, scheduling, and voice assistant integration for your outdoor smart home.</p>
	<p>Kasa Smart Wi-Fi Outdoor Plug KP401 TP-Link Weather-Resistant Smart Plug</p> <p>Control your outdoor devices with the Kasa Smart Wi-Fi Outdoor Plug KP401. Features IP64 weather resistance, voice control with Alexa/Google Assistant, remote access via the Kasa app, and no hub required. Easy setup for smart home automation.</p>
	<p>Kasa Spot Pan Tilt EC70 Indoor Security Camera 1080p HD, Night Vision, Motion Tracking</p> <p>Explore the Kasa Spot Pan Tilt EC70, a 1080p Full HD indoor security camera by Kasa Smart. Features 360° pan, 113° tilt, advanced motion tracking, night vision up to 30ft, two-way audio, and local microSD storage. Integrates with Google Assistant and Alexa for smart home control.</p>
	<p>Kasa Smart Doorbell KD110 User Guide</p> <p>Comprehensive user guide for the TP-Link Kasa Smart Doorbell KD110, covering setup, features like HD video, two-way audio, motion detection, smart actions, voice assistant integration, and troubleshooting.</p>



[TP-Link KS240 Smart Ceiling Fan and Dimmer Switch User Guide](#)

Comprehensive user guide for the TP-Link KS240 Smart Ceiling Fan and Dimmer Switch, covering installation, setup, features, troubleshooting, and specifications for smart home automation.

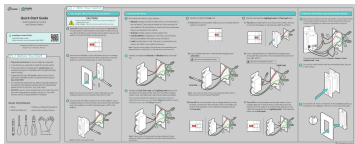
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[TP-Link Kasa Smart Ceiling Fan Control and Dimmer Switch KS240 User Guide](#)

A comprehensive user guide for the TP-Link Kasa Smart Ceiling Fan Control and Dimmer Switch (KS240), covering setup, wiring, features like voice control and scheduling, device management, and troubleshooting.

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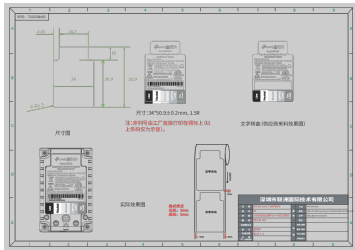
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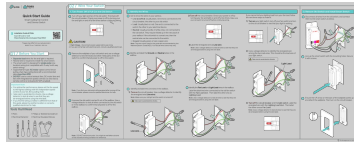
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2AXJ4KS240 ks240

1 7202508465 A 2 B 3 C 3 4 5 6 7 8 Model: **KS240** Kasa Smart Ceiling Fan Control and Dimmer Switch Rating: 120V- 60Hz Lighting: 300 W Incandescent/Halogen, 150 W LED Ceiling Fan: 1.5 A Max Load, 4-Speed CONFORMS TO UL STD. 60730-1; CERTIFIED TO CSA STD. E60730-1 FCC ID: 2AXJ4K...

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Smart Ceiling Fan Control Dimmer Switch **KS240** Highlights 2-in-1 Brightness Fan Control With an intuitive design and a sleek sliding interface, effortlessly manage your light and ceiling fan from a single panel. Utilize the Kasa Smart app to control them anytime, anywhere. Fade On/Off Smart di...

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[TP-Link Smart Home Integration Driver for Control4](#)

Installation and usage guide for the Chowmain driver enabling TP-Link Kasa and Tapo smart devices integration with Control4 systems. Covers setup, features, troubleshooting, and licensing for smart bulbs, plugs, switches, and more.

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