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Kasa Smart HS220-2

Kasa Smart Dimmer Switch 2-Gang HS220-2 Instruction Manual

Model: HS220-2 | Brand: Kasa Smart

1. Product Overview

The Kasa Smart Dimmer Switch 2-Gang HS220-2 offers intelligent control over your home lighting. This device allows for precise brightness adjustment from 1% to 100%, smooth fade-on/off transitions, and convenient control via the Kasa Smart app or popular voice assistants like Amazon Alexa and Google Assistant. It features a 2-gang design for seamless installation of two switches, controlling two different circuits with an elegant flush look. The switch requires neutral wiring and a 2.4 GHz Wi-Fi connection for smart functionalities.

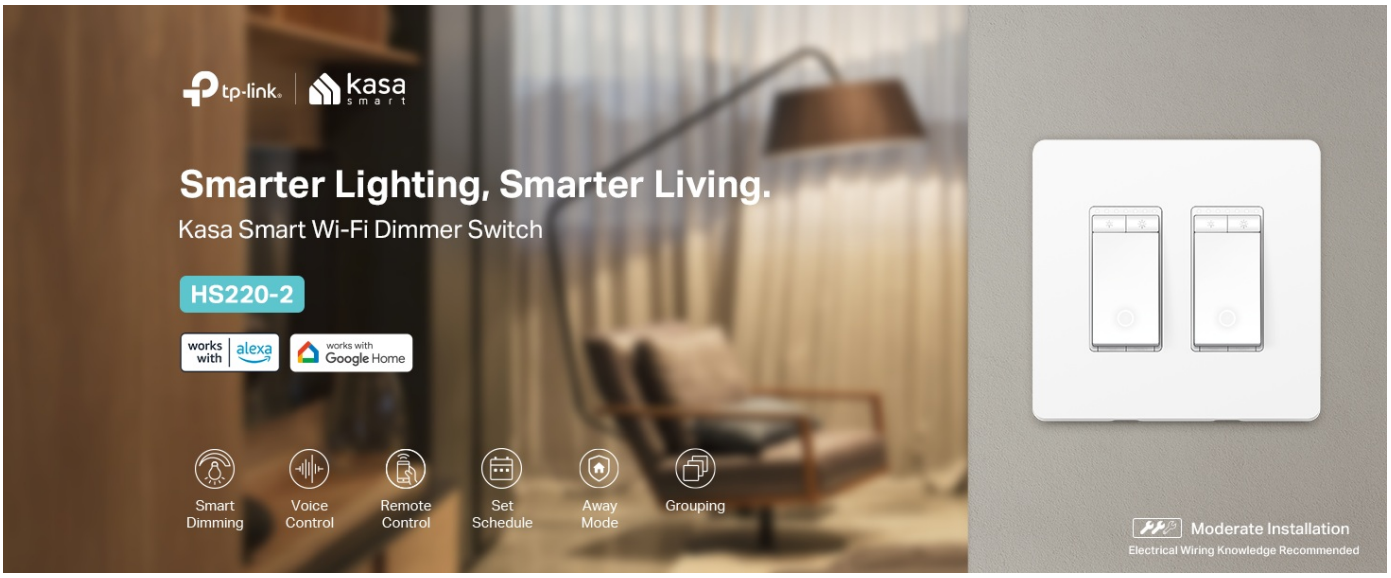


Image 1: Kasa Smart Dimmer Switch 2-Gang HS220-2 highlighting key features like Smart Dimming, Fade On/Off, Voice Control, Remote Control, Grouping, Set Schedules, and Away Mode.

2. What's in the Box

- 2 × HS220 Smart Dimmer Switches

- 1 × 2-Gang Wall Plate
- 4 × Screws
- 4 × Wire Nuts
- Quick Start Guide
- Wire Labels

3. Setup and Installation

Installation of the Kasa Smart Dimmer Switch is guided by the Kasa or Tapo app, providing step-by-step instructions. It typically takes less than 30 minutes and uses common household tools. **Neutral wiring and a 2.4 GHz Wi-Fi network are required.** If you are unfamiliar with electrical wiring, consulting a qualified electrician is recommended.

Installation Steps Overview:

1. Turn off the circuit breaker to the switch you are replacing.
2. Remove your old wall switch.
3. Identify and label the wires (Line, Load, Neutral, Ground) using the provided wire labels.
4. Connect the wires from the wall to the Kasa Smart Dimmer Switch using the provided wire nuts. Ensure connections are secure.
5. Mount the Kasa Smart Dimmer Switch into the wall box.
6. Attach the screwless wall plate.
7. Restore power at the circuit breaker.
8. Download the Kasa Smart or Tapo app and follow the in-app instructions to complete the setup and connect to your Wi-Fi network.

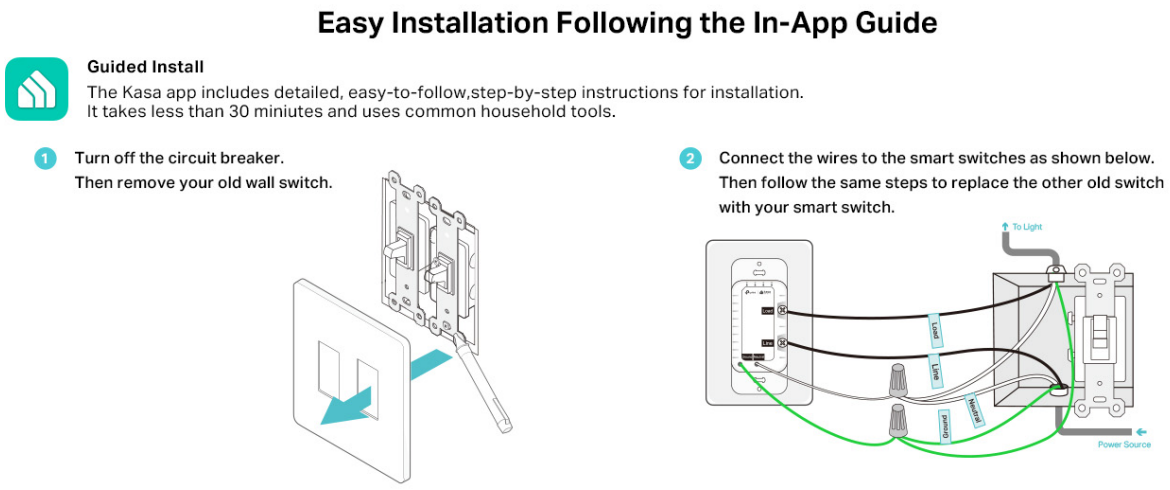


Image 2: Visual guide for installing the Kasa Smart Dimmer Switch, including removing the old switch and connecting wires.

Wiring Diagram:

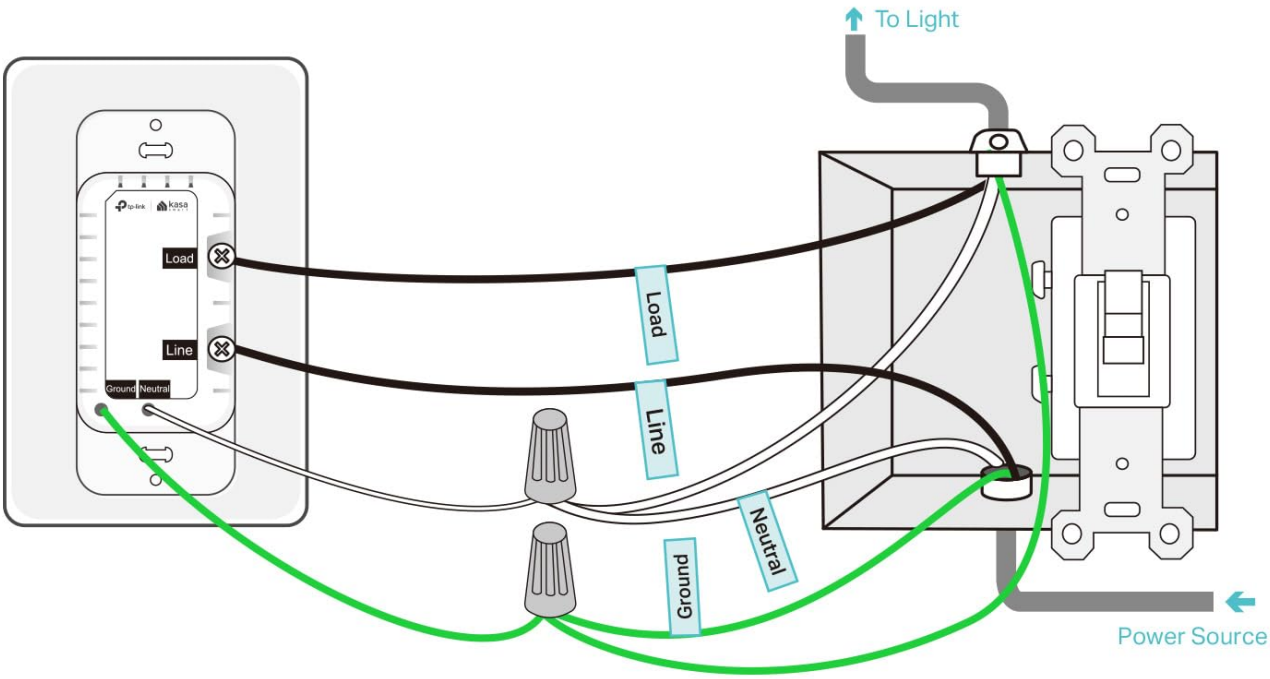




Image 3: A detailed wiring diagram illustrating the connections for Line, Load, Neutral, and Ground wires for the Kasa Smart Dimmer Switch.

App Integration:

Video 1: This video demonstrates how to integrate Kasa devices into the Tapo app, including logging in with the same TP-Link ID, authorizing access, and managing devices within the Tapo app. It also shows how to add a new Kasa device, connect it to Wi-Fi, and customize its settings.

4. Operating Instructions

The Kasa Smart Dimmer Switch offers multiple ways to control your lighting, providing flexibility and convenience.

Manual Control:

Use the physical buttons on the switch to turn lights on/off and adjust brightness. The top buttons allow for increasing or decreasing the light intensity, while the main paddle acts as an on/off switch.

App Control:

The Kasa Smart app provides comprehensive control from anywhere. You can adjust brightness, set schedules, enable 'Away Mode', and group devices for unified control.

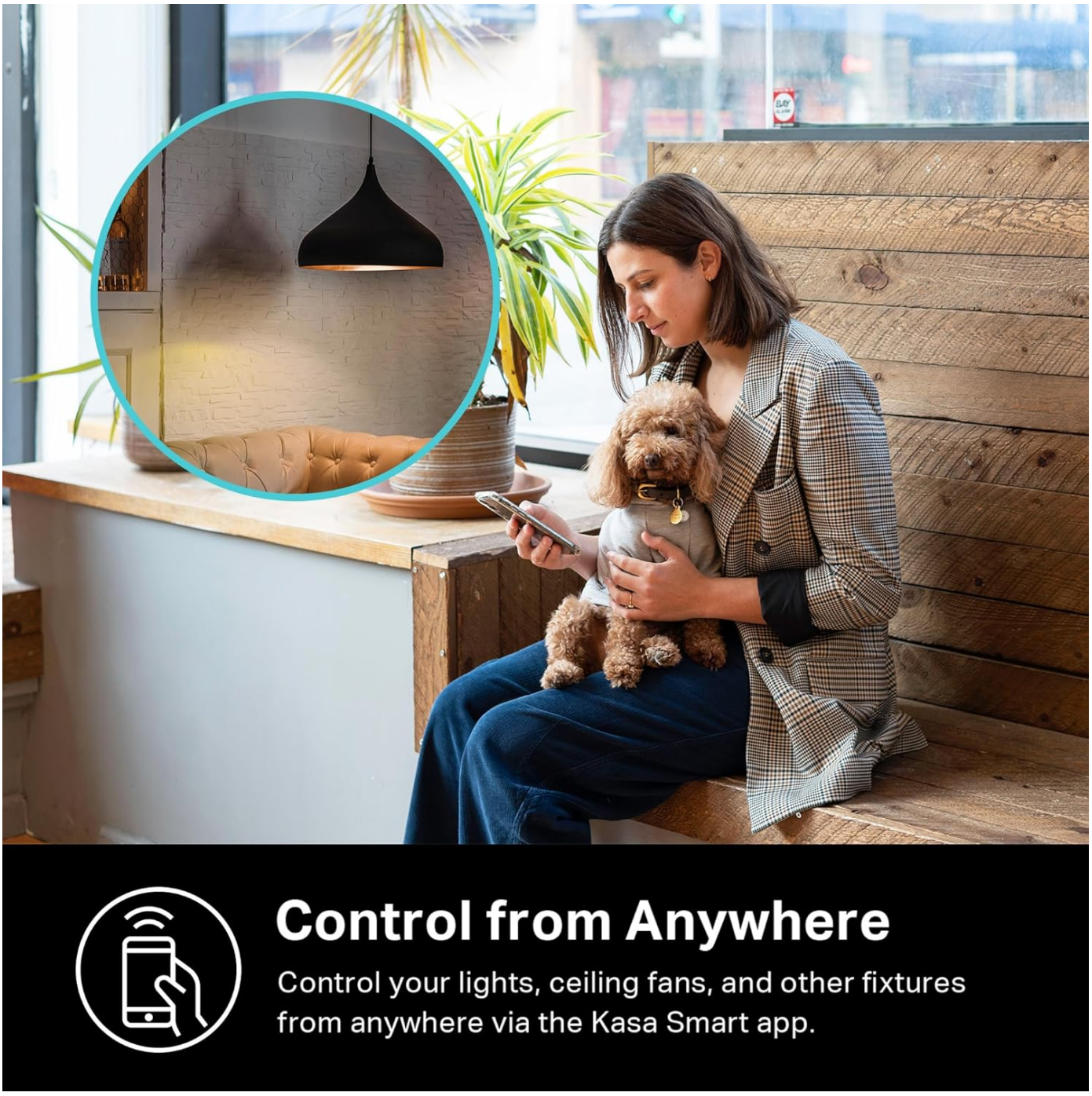


Image 4: A woman using the Kasa Smart app on her phone to control lights remotely, demonstrating the 'Control from Anywhere' feature.

Voice Control:

Integrate your Kasa Smart Dimmer Switch with Amazon Alexa or Google Assistant for hands-free control. Simply use voice commands to adjust brightness or turn lights on/off.

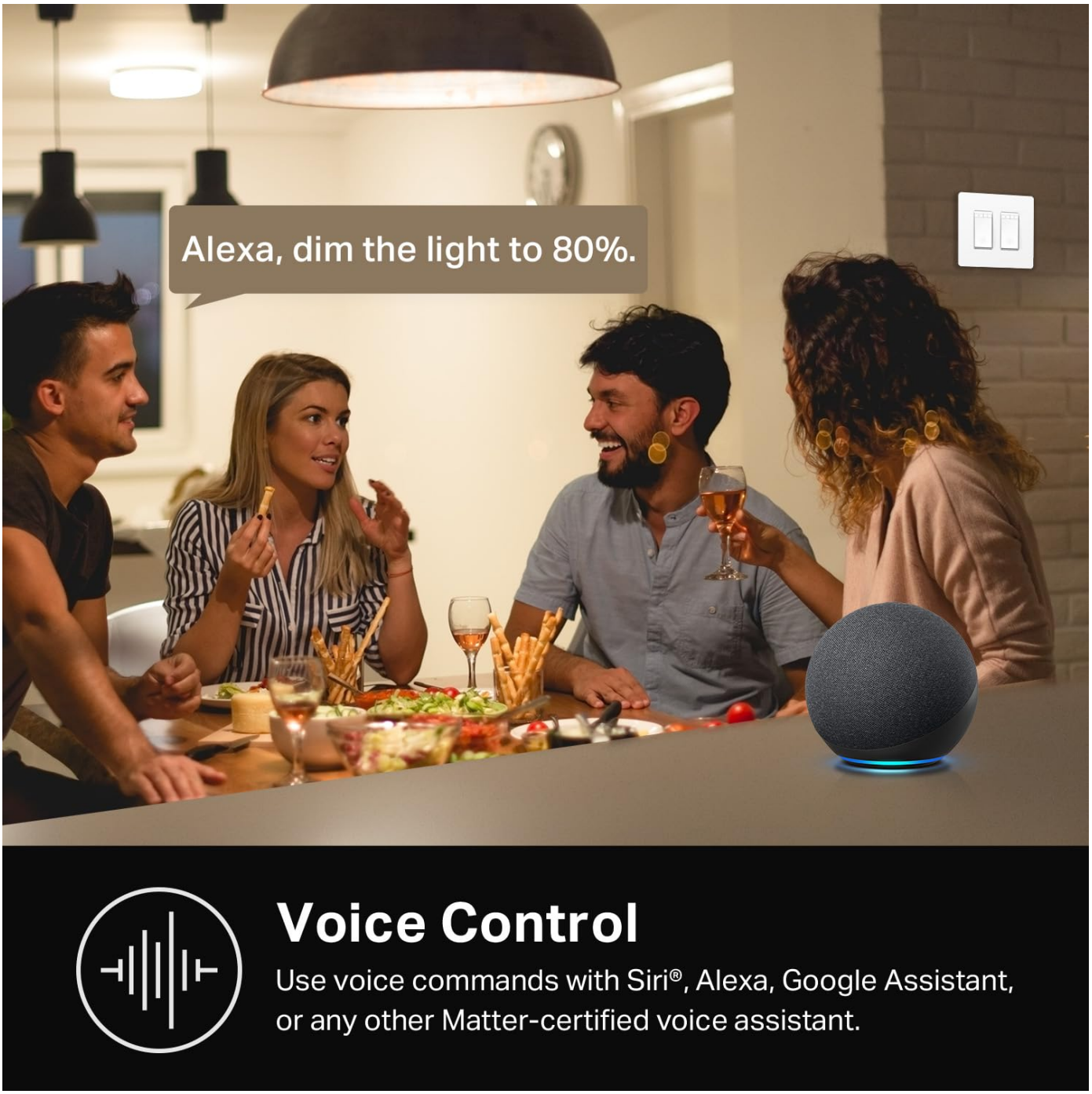


Image 5: Individuals using voice commands with an Amazon Alexa device to dim the lights in a living space.

Brightness Control and Fade On/Off:

Enjoy precise control over your lighting, with dimming options from 1% to 100% brightness. The switch also supports smooth transitions from darkness to illumination, eliminating abrupt lighting changes.

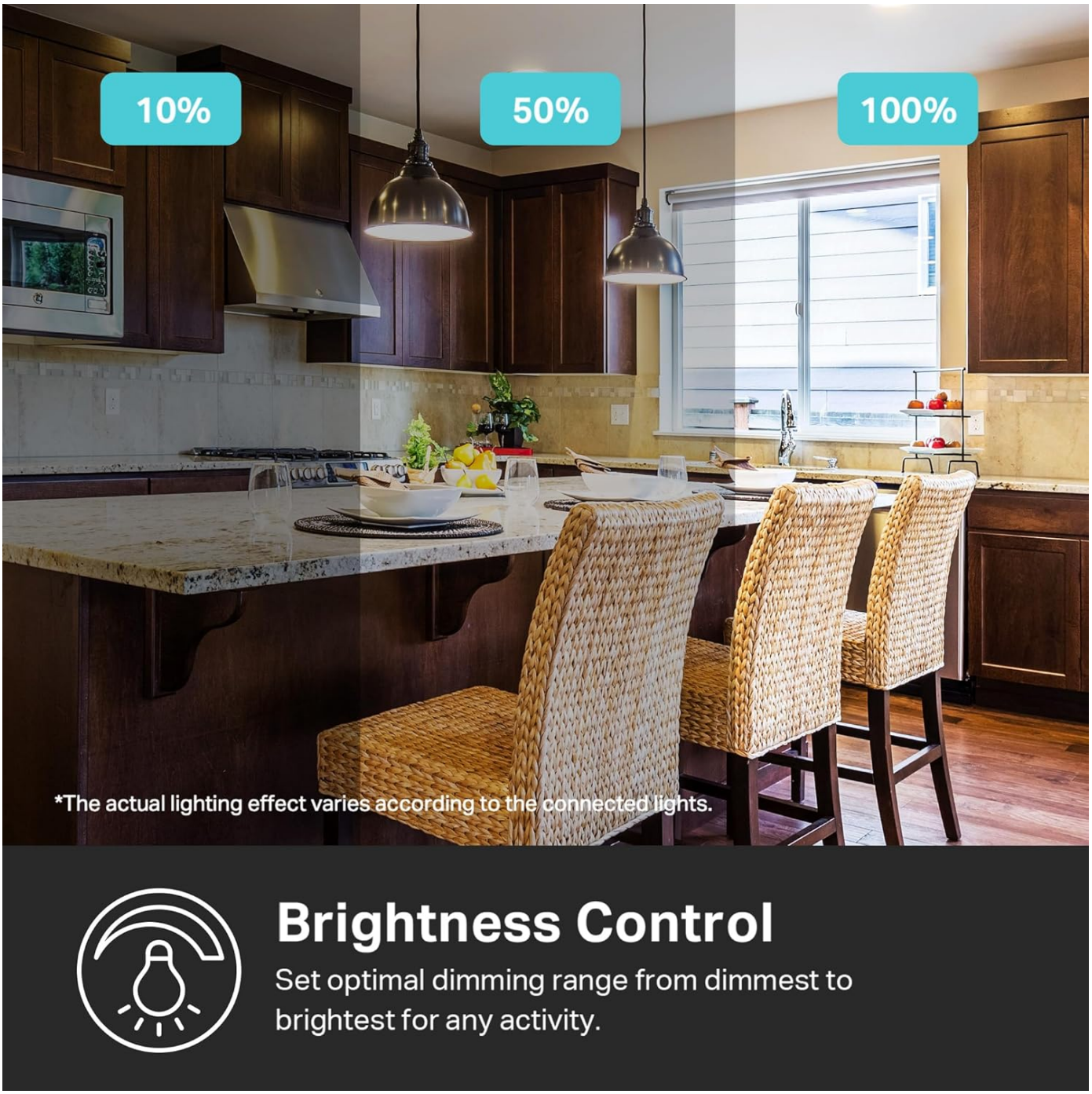


Image 6: A kitchen setting illustrating different light brightness levels (10%, 50%, 100%) controlled by the smart dimmer switch.

Fade On/Off

Smart dimmer switches smoothly adjust lighting levels without sudden eye-irritating brightness or darkness.
Fade off the lights in your child's bedroom as they drift off to sleep.



Image 7: A visual representation of the 'Fade On/Off' feature, showing lights gradually dimming as a child falls asleep.

Custom Schedules and Away Mode:

Program your lights to adjust brightness and turn on/off automatically to match your daily routines. The 'Away Mode' feature can randomly switch lights on and off to simulate occupancy, enhancing home security.



Image 8: A bedroom setting with a smart light schedule indicating lights turning on at 6:00 AM, demonstrating automated routines.



Image 9: An exterior view of a modern house with lights on at dusk, illustrating the 'Away Mode' feature for enhanced security.

Grouping:

Combine your smart switch with other Kasa Smart devices for seamless control with a single tap on the Kasa app.



Image 10: The Kasa Smart app interface displaying options to group various smart devices for simplified control.

5. Specifications

Feature	Detail
Model	HS220-2
Brand	Kasa Smart
Operation Mode	Automatically, Off, Smart Switch
Current Rating	2.5 Amps
Operating Voltage	120 Volts (AC)
Switch Type	Dimmer

Material	Polycarbonate, Copper (Contact Material)
Item Dimensions (L x W x H)	4.95 x 5.16 x 0.24 inches
Circuit Type	2-way
Mounting Type	Pole, Wall Mount
Connectivity Protocol	Wi-Fi (2.4 GHz)
Wattage	275 watts
Compatible Devices	Amazon Alexa, Google Assistant
Certification	UL Certified

6. Troubleshooting

If you encounter issues with your Kasa Smart Dimmer Switch, consider the following:

- **No Power:** Ensure the circuit breaker is on and wiring connections are secure.
- **Wi-Fi Connection Issues:** Verify your Wi-Fi network is 2.4 GHz. Ensure the switch is within range of your router. Try restarting your router and the switch.
- **App Control Failure:** Check if the Kasa Smart app is updated to the latest version. Ensure your phone has a stable internet connection.
- **Dimming Malfunction:** Confirm that the connected bulbs are dimmable. Some LED bulbs may not be compatible with all dimmers.
- **Resetting the Switch:** Refer to the Quick Start Guide for instructions on how to factory reset the device if persistent issues occur.

7. Warranty and Support

For warranty information and technical support, please refer to the official Kasa Smart website or contact Kasa Smart customer service. Keep your purchase receipt for warranty claims.

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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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