User Guide

Kasa Smart Light Strip, Multicolor

KL400L5 / KL400L10

1910013038 REV1.0.0
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About This Guide

This guide provides a brief introduction to Smart Light Strip and the Kasa Smart app, as well as regulatory information.

Features available in Smart Light Strip may vary by model and software version. Smart Light Strip availability may also vary by region or ISP. All images, steps, and descriptions in this guide are only examples and may not reflect your actual Smart Light Strip experience.

Conventions

In this guide, the following convention is used:

Convention	Description
Teal	Key information appears in teal, including management page text such as menus, items, buttons and so on.
Underline	Hyperlinks are in teal and underlined. You can click to redirect to a website.

Support

- Specific product information can be found on the product page at https://www.tp-link.com/en/.
- A Technical Community is provided for you to discuss our products at https://community.tp-link.com/en.
- Our Technical Support contact information can be found at the Help center of the Kasa Smart app and the Contact Technical Support page at https://www.tp-link.com/en/support/.
- Videos about how to configure the Smart Light Strip features can be found on the Setup Videos page at https://www.tp-link.com/en/support/setup-video/#smart-bulbs.

Introduction

The Smart Light Strip is part of the Kasa smart home family of products, including plugs, switches, cameras and more. You can simply download the Kasa Smart app, connect to Wi-Fi and enjoy. No special hardware is needed. 16 color zones and millions of colors are available for you to pick from and create your own scenes.

You can also control multiple smart home devices with the Kasa Smart app or use your voice for added convenience. With Kasa, your home is never more than a few taps away.

- Multicolor - Offers endless lighting possibilities with 16 million colors and dimming capabilities.
- Voice Control - Turn on or off, and change colors with simple voice commands.
- Set Schedules - Run your light strip automatically to fit any event with the Kasa Smart app.
- Flexible and Easy Install - The flexibility to bend and cut† allows you to stick it or place it in the exact spot you desire.
- Group and Scenes - Combine your strip with other Kasa devices for seamless control with a single tap.

Set Up Your Smart Light Strip

Follow the steps below to set up your Smart Light Strip via the Kasa Smart app.

Step 1. Download Kasa

Get the Kasa Smart app from the App Store or Google Play.

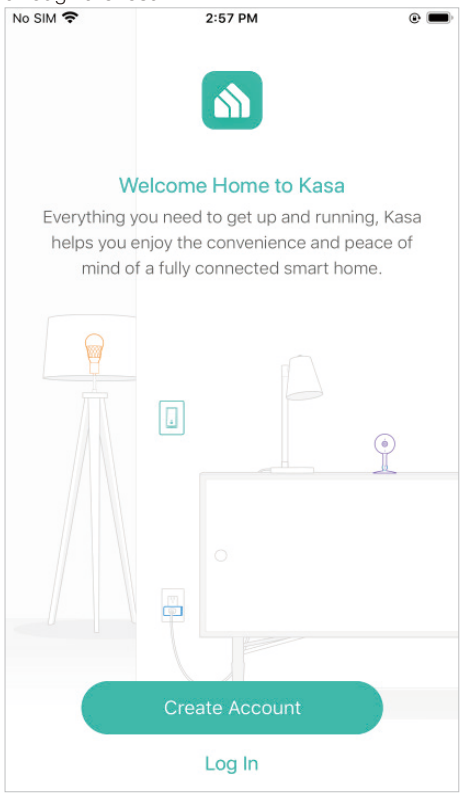
Step 2. Connect to Network

Connect your mobile device to a 2.4GHz Wi-Fi network.

Step 3. Log In

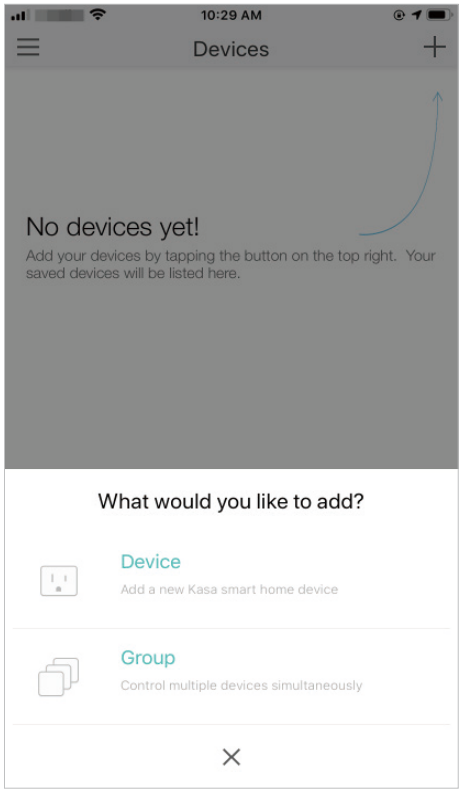
Open the app, and log in with your TP-Link ID. If you don't have an account, create one first.

Note: If you forgot your login password, tap Forgot password? on the login page, the app will guide you through the rest.



Step 4. Add Devices

Tap the + button in the app and select Device to add your new Smart Light Strip. Follow app instructions to complete the setup.



Main Device Control

After you successfully set up your Smart Light Strip, you will see the Devices page on the Kasa Smart app. You can add new devices, control multiple devices simultaneously in a group, configure account settings, and more.

Devices Page

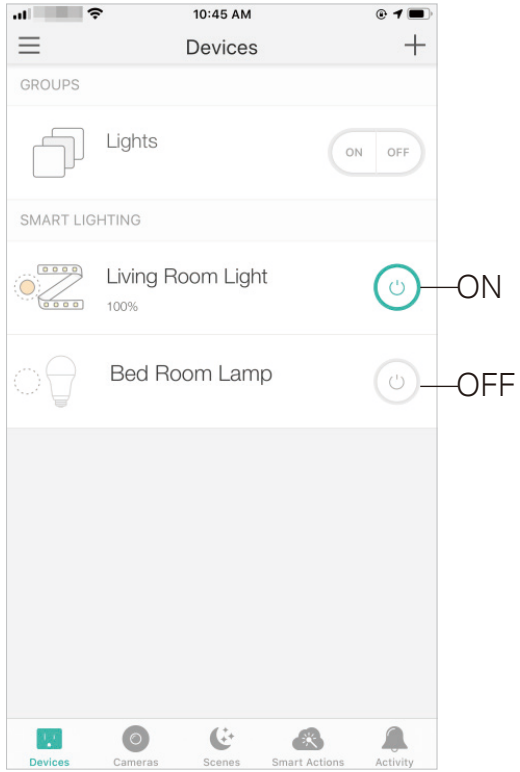
On the Devices page, you can instantly turn on/off the Smart Light Strip, adjust brightness or change colors.

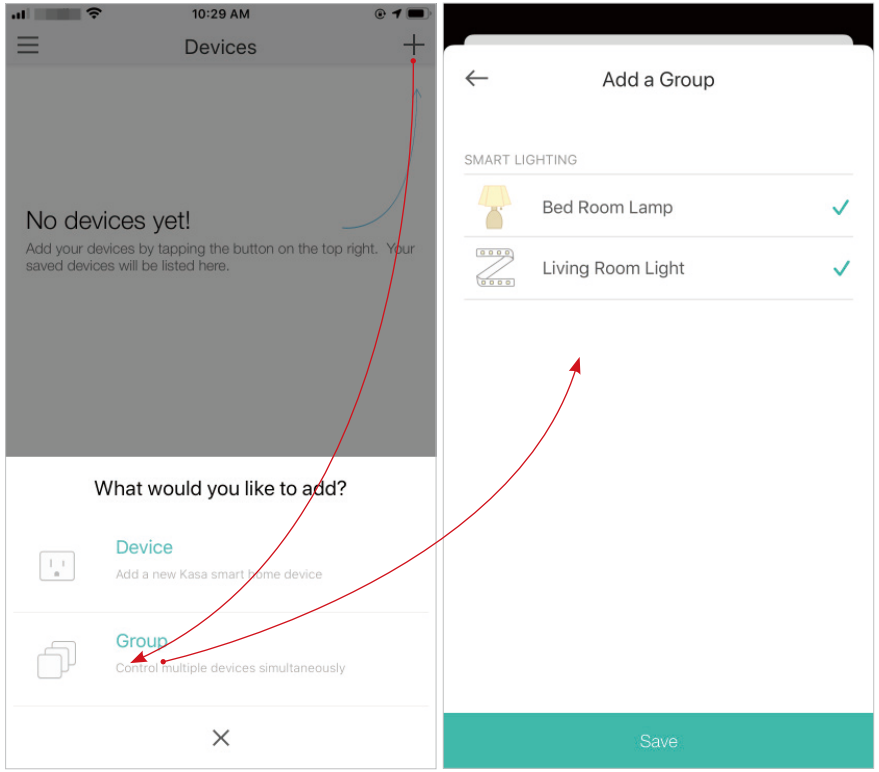
Add a Group

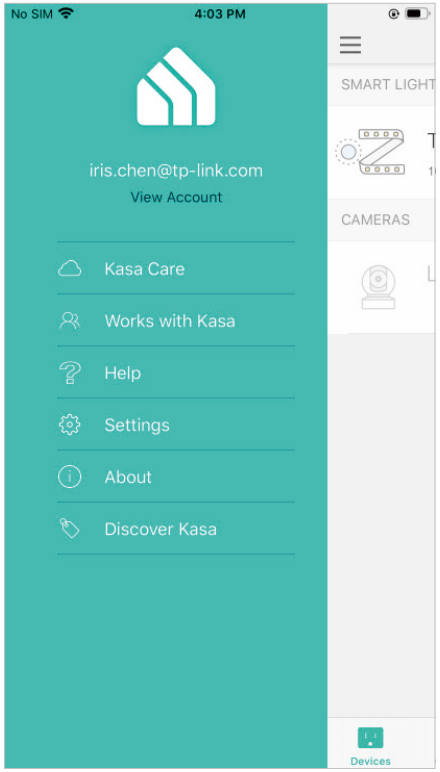
Tap + > Group to add a group for controlling multiple devices simultaneously.

Configure Kasa Settings

Swipe right and you can configure settings for your Kasa account or get more information about Kasa.





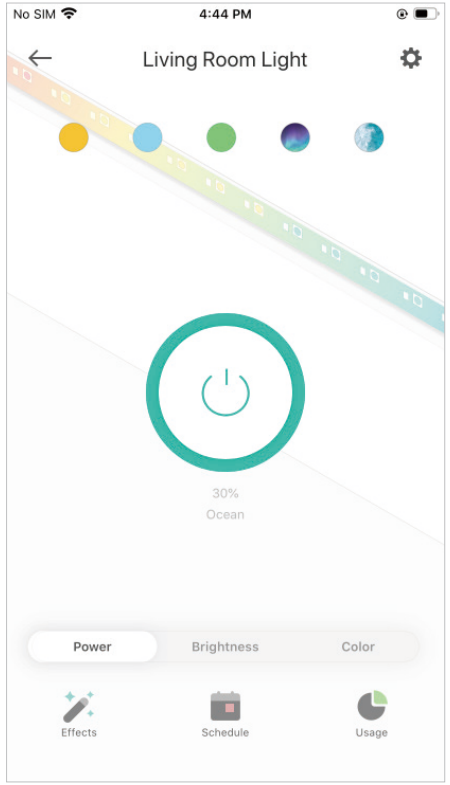


Configure Your Smart Light Strip

On the Devices page, tap a Smart Light Strip and you can adjust the light brightness or color, set schedules, save a shortcut for a light effect, track energy consumption and configure the Smart Light Strip settings.

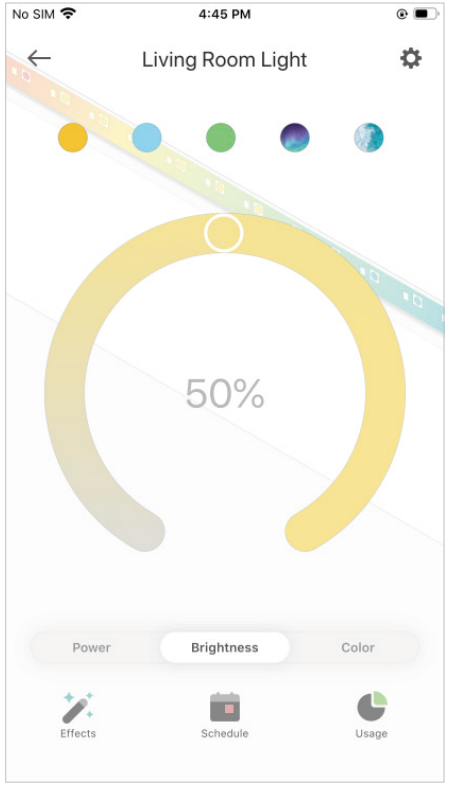
Power On/Off At One Tap

Quickly power on or off your Smart Light Strip with a single button.



Adjust Brightness

Dim your Smart Light Strip with a range from 1% to 100%.



Adjust Color

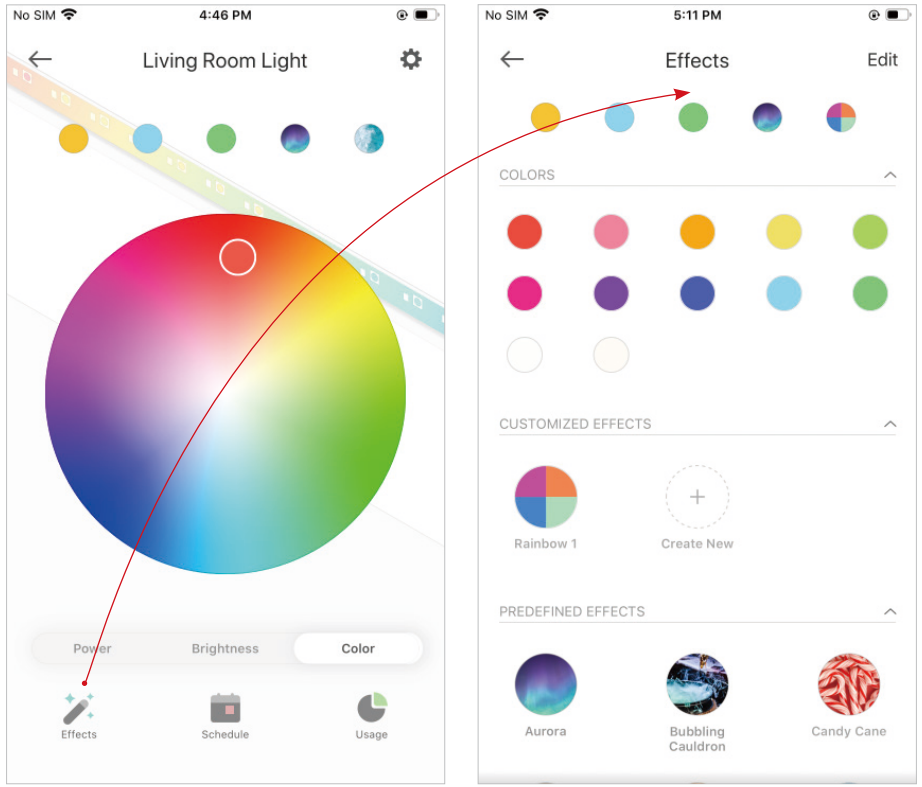
Choose a preferred color for your Smart Light Strip.

Configure Your Smart Light Strip

On the Devices page, tap a Smart Light Strip and you can adjust the light brightness or color, set schedules, save a shortcut for a light effect, track energy consumption and configure the Smart Light Strip settings.

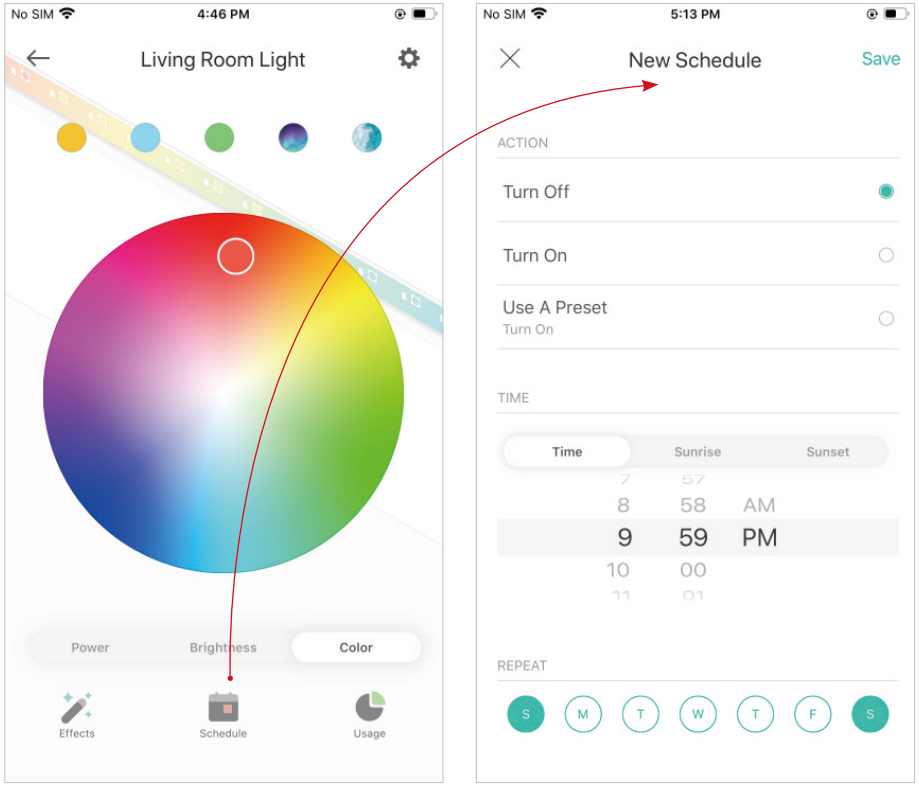
Add Effects

Tap Effects to add or customize light effects and apply to your Smart Light Strip.



Add Schedules

Tap Schedule to add schedules to simplify your daily routine by creating automatic On/Off actions.

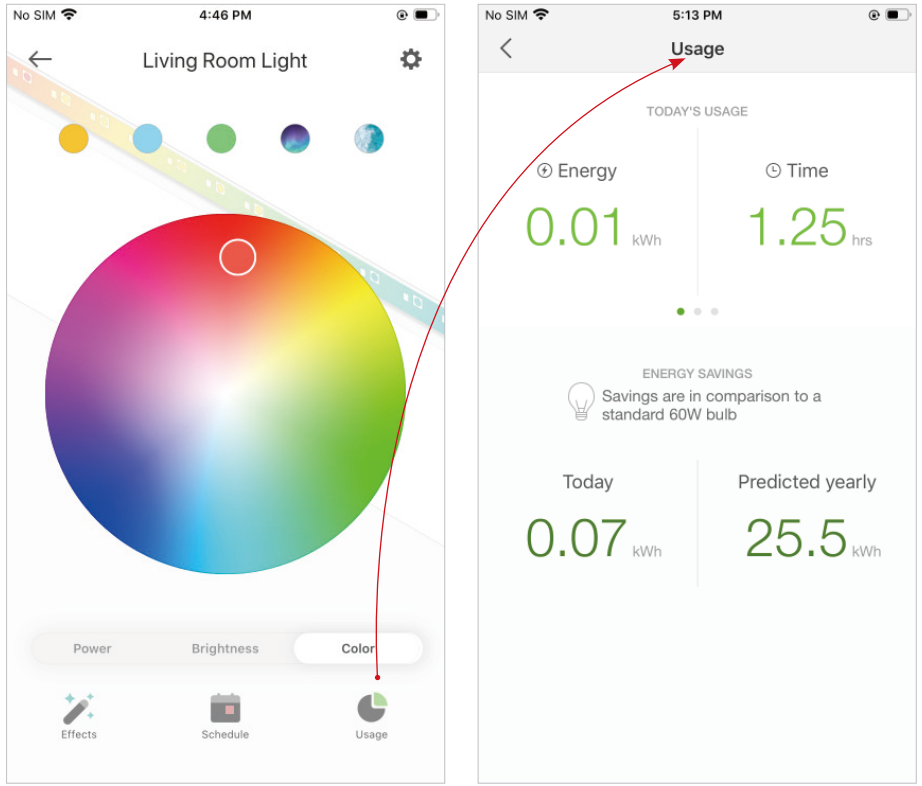


Configure Your Smart Light Strip

On the Devices page, tap a Smart Light Strip and you can adjust the light brightness or color, set schedules, save a shortcut for a light effect, track energy consumption and configure the Smart Light Strip settings.

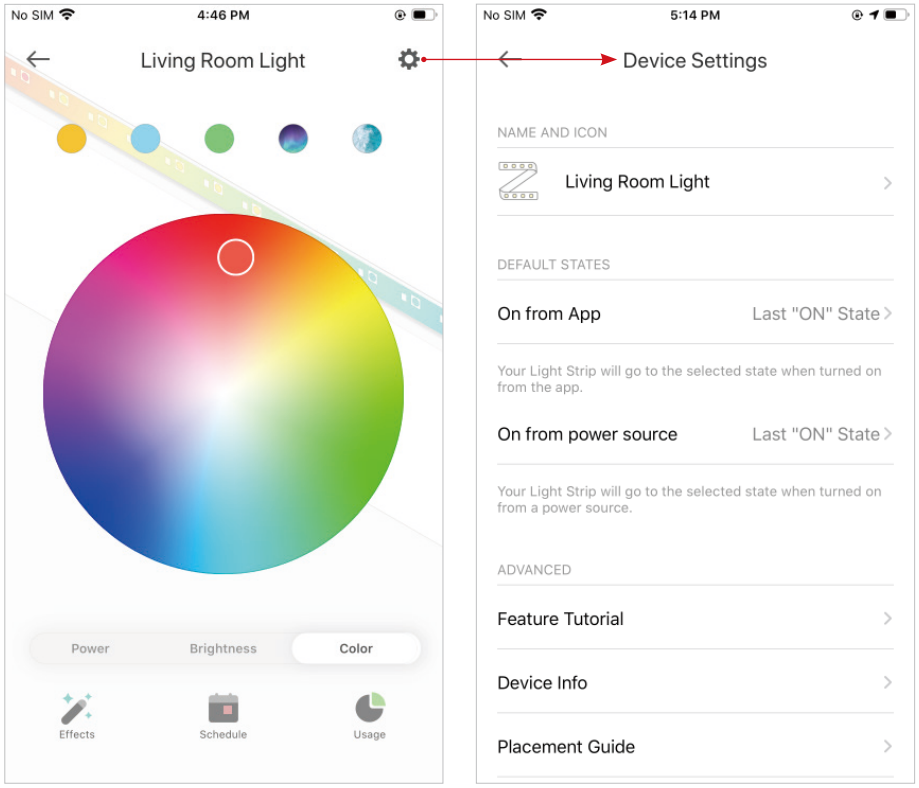
Track Energy Usage

Tap Usage to view and track energy consumption of your Smart Light Strip.



Configure Device Settings

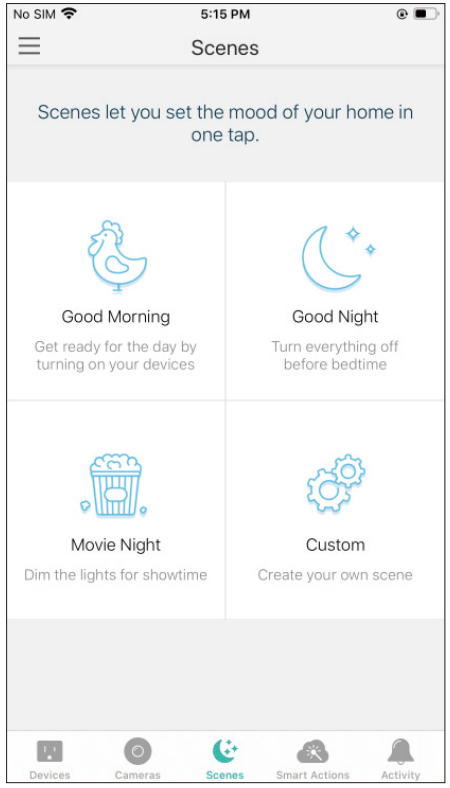
Tap to configure device settings and check device information.



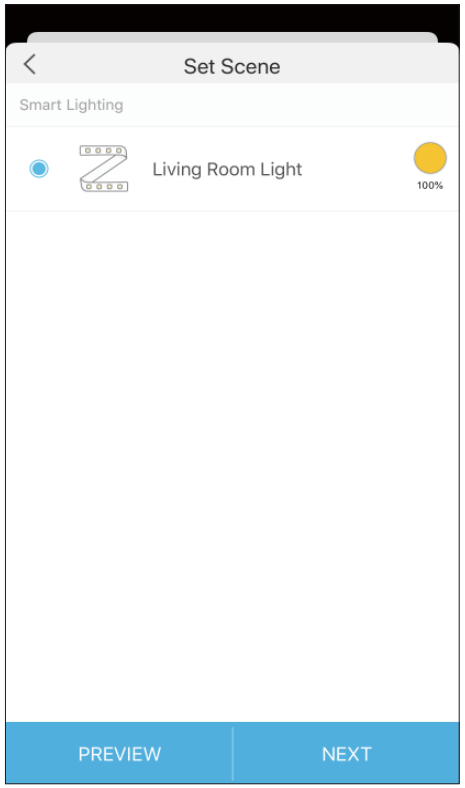
Create Scenes

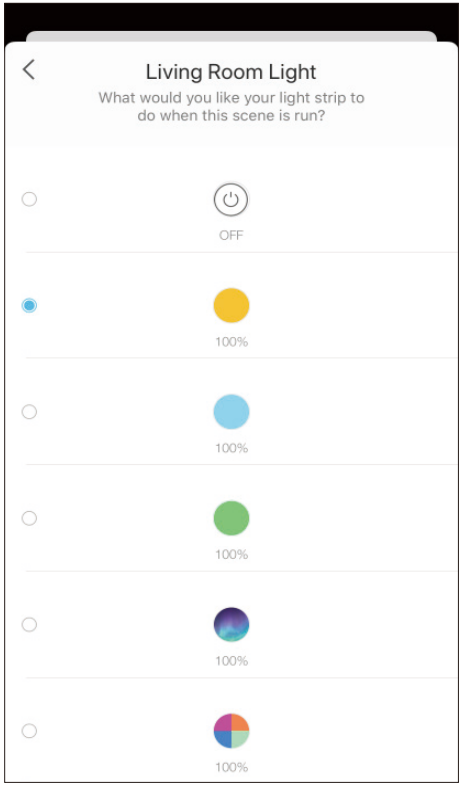
A scene is a preset group of smart devices that can be programmed, customized and activated simultaneously at the touch of a button from your smartphone or tablet, allowing you to easily set your mood, activity or fit any special occasion. This page allows you to preset how your smart home devices should act automatically at special occasions.

1. On the Scenes page, choose or customize a new scene.



2. Tap the light strip and set what to do when the scene is run.

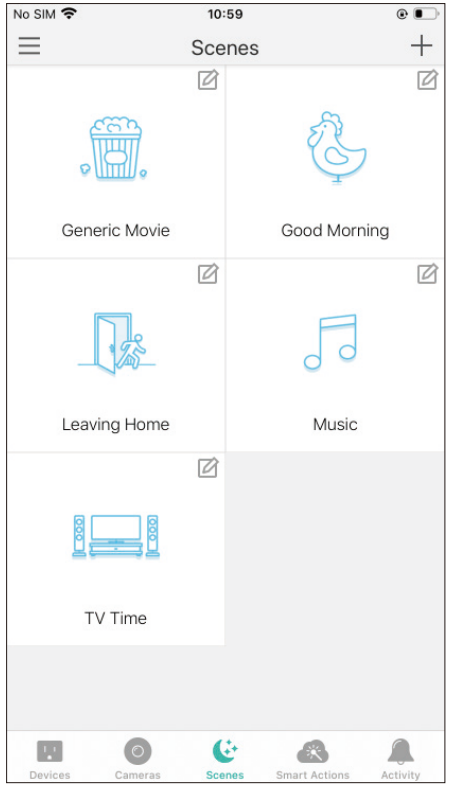




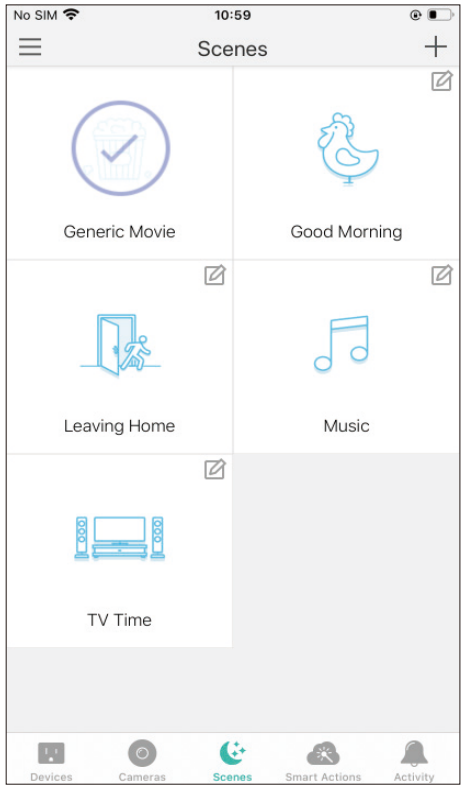
Create Scenes

A scene is a preset group of smart devices that can be programmed, customized and activated simultaneously at the touch of a button from your smartphone or tablet, allowing you to easily set your mood, activity or fit any special occasion. This page allows you to preset how your smart home devices should act automatically at special occasions.

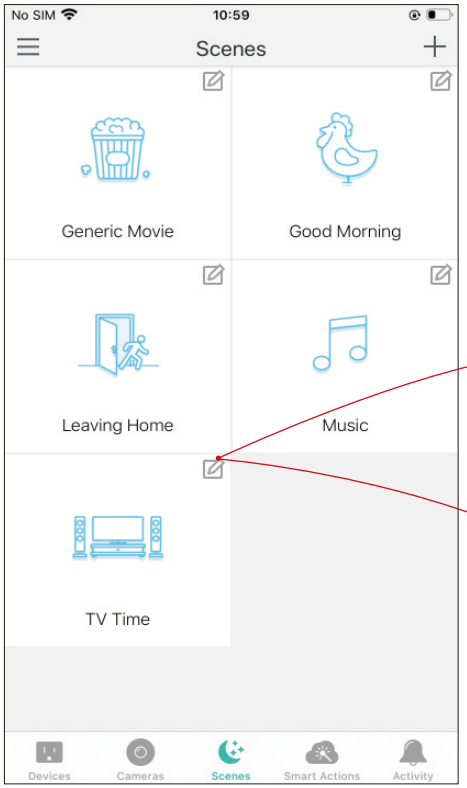
3. Tap + to add more new scenes.

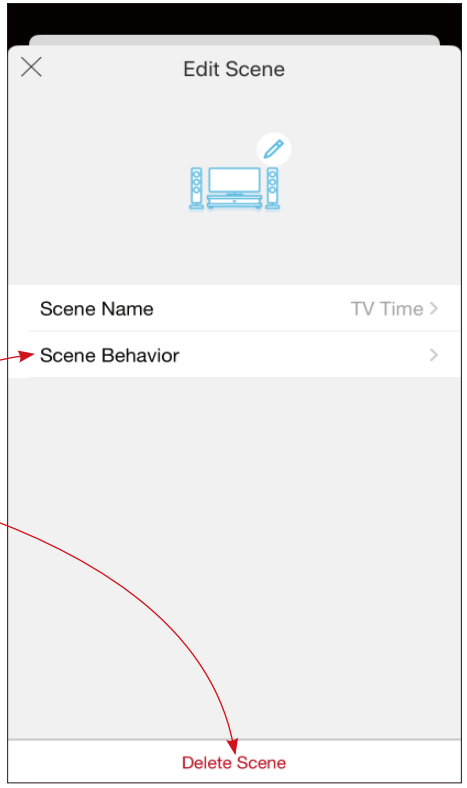


4. After created the new scenes, tap the scene to activate it.



5. Tap to edit or delete a scene at any time.





Reset Your Smart Light Strip

There are two types of reset available: a soft reset which resets the Wi-Fi settings only, and a factory reset that erases all of your custom settings and restore them to factory defaults.

Soft Reset

Press and hold the light switch controller for more than 5 seconds but no more than 10 seconds and release. The light strip animating orange and green after that indicates a successful soft reset.

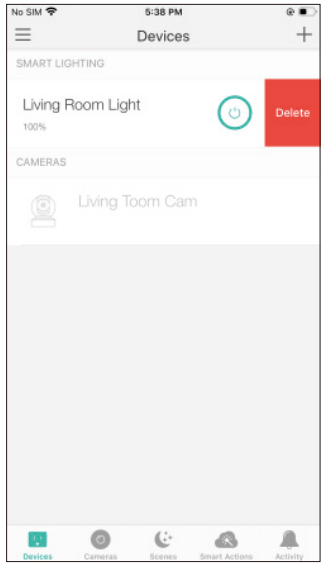
Factory Reset

Method 1:

Press and hold the light switch controller for 10 seconds or more and then release. The light strip animating orange and green after that indicates a successful factory reset.

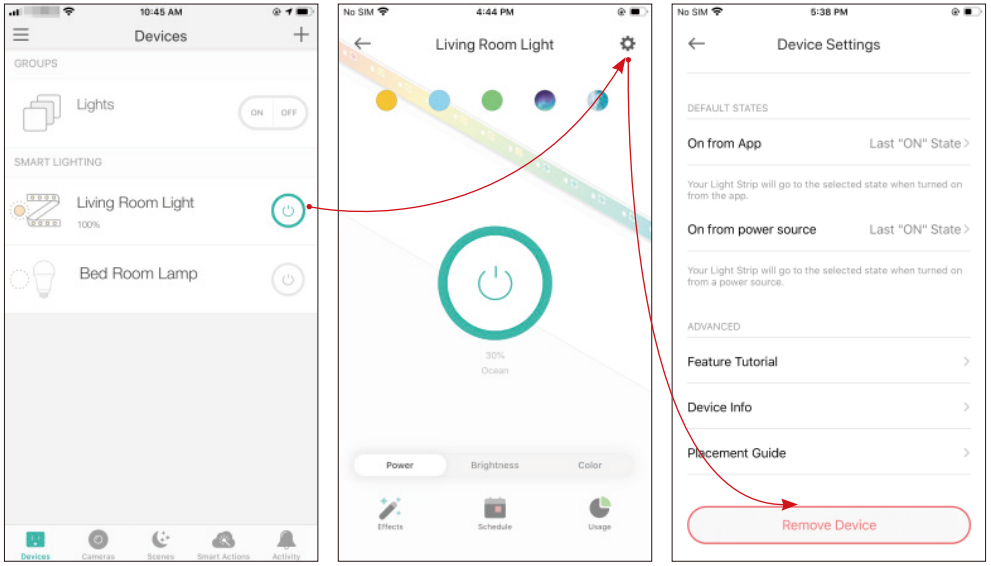
Method 2:

On the Devices page on Kasa Smart app, swipe left the light strip and tap Delete.



OR

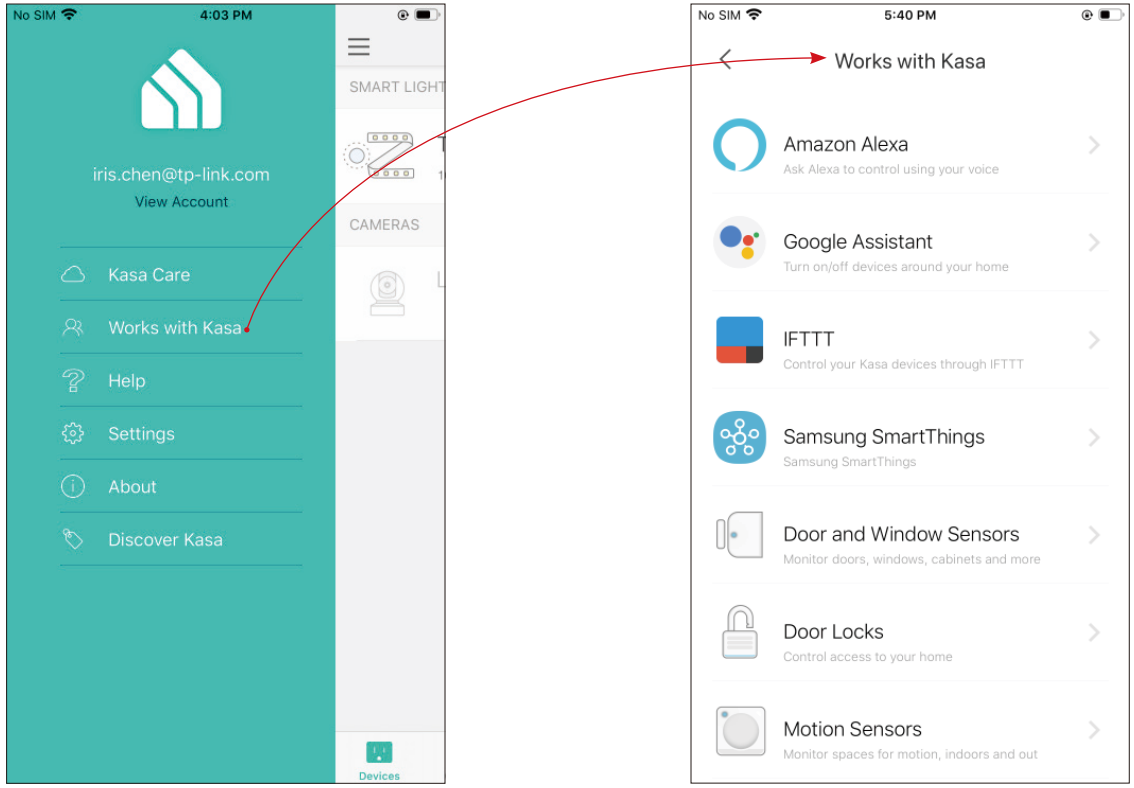
On the Devices page on Kasa Smart app, tap the Smart Light Strip and tap ⚙ > Remove Device.



Discover Kasa

Use the Kasa Smart app to pair your Smart Light Strip with Amazon Alexa, Google Home Assistant or Samnsung SmartThings and enjoy a full hands-free experience. Kasa helps manage the rest of your smart home too, working with Nest to trigger changes when you arrive home or leave for the day.

Launch the Kasa Smart app, swipe right and you can go to Works With Kasa for detailed instructions.



Authentication

FCC Compliance Information Statement

Product Name: Kasa Smart Light Strip, Multicolor

Model Number: KL400L5 / KL400L10 / KL400L20

Component Name	Model	FCC ID
Kasa Smart Light Strip, Multicolor	KL400L5 / KL400L10	2AXJ4KL400
I.T.E. Power	T120100-2B1 / T120150-2B1	N/A

Responsible party:

TP-Link USA Corporation

Address: 10 Mauchly, Irvine, CA 92618

Website: https://www.tp-link.com/us/

Tel: +1 626 333 0234

Fax: +1 909 527 6803

E-mail: sales.usa@tp-link.com

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.

2. This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

"To comply with FCC RF exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter."

We, **TP-Link USA Corporation**, has determined that the equipment shown as above has been shown to comply with the applicable technical standards, FCC part 15. There is no unauthorized change is made in the equipment and the equipment is properly maintained and operated.

Issue Date: 2021-06-22

CE Mark Warning

This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

OPERATING FREQUENCY (the maximum transmitted power)

2400 MHz -2483.5 MHz(20dBm)

EU Declaration of Conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU, 2009/125/EC, 2011/65/EU and (EU)2015/863.

The original EU Declaration of Conformity may be found at https://www.tp-link.com/en/support/ce/.

RF Exposure Information

This device meets the EU requirements (2014/53/EU Article 3.1a) on the limitation of exposure of the general public to electromagnetic fields by way of health protection.

The device complies with RF specifications when the device used at 20 cm from your body.

UKCA Mark

UK Declaration of Conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Regulations 2017.

The original UK Declaration of Conformity may be found at https://www.tp-link.com/support/ukca/.

Canadian Compliance Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.

2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage;

2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

Industry Canada Statement

CAN ICES-3 (B)/NMB-3(B)

CAN ICES-005(B)/NMB-005(B)

Korea Warning Statements

당해 무선설비는 운용중 전파혼신 가능성이 있음.

NCC Notice

注意！

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前述合法通信，指依電信管理法規定作業之無線電通信。

低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

BSMI Notice

安全諮詢及注意事項

- 請使用原裝電源供應器或只能按照本產品注明的電源類型使用本產品。
- 清潔本產品之前請先拔掉電源線。請勿使用液體、噴霧清潔劑或濕布進行清潔。
- 注意防潮，請勿將水或其他液體潑灑到本產品上。
- 插槽與開口供通風使用，以確保本產品的操作可靠並防止過熱，請勿堵塞或覆蓋開口。
- 請勿將本產品置放於靠近熱源的地方。除非有正常的通風，否則不可放在密閉位置中。
- 請不要私自打開機殼，不要嘗試自行維修本產品，請由授權的專業人士進行此項工作。

限用物質含有情況標示聲明書

設備名稱： Equipment name: Kasa Smart Light Strip, Multicolor				型號（型式）： Type designation (Type): KL400L5 / KL400L5 / KL400L20		
單元 Unit	限用物質及其化學符號 Restricted substances and its chemical symbols					
	鉛 Lead (Pb)	汞 Mercury (Hg)	鎘 Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr^{+6})	多溴聯苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
PCB	○	○	○	○	○	○
外殼	○	○	○	○	○	○
電源供應板	—	○	○	○	○	○
其他及其配件	—	○	○	○	○	○

備考 1. 超出 0.1 wt %” 及 “超出 0.01 wt %” 系指限用物質之百分比含量超出百分比含量基準值。
Note 1：“Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.
備考 2.“〇”系指該項限用物質之百分比含量未超出百分比含量基準值。
Note 2：“〇” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.
備考 3.“ — ”系指該項限用物質為排除項目。
Note 3：The “ — ” indicates that the restricted substance corresponds to the exemption.

Продукт сертифіковано згідно с правилами системи УкрСЕПРО на відповідність вимогам нормативних документів та вимогам, що передбачені чинними законодавчими актами України.

EAC

Safety Information

CAUTION: To reduce the risk of fire, electric shock, or injury to persons:

- For indoor use only.
- Maximum units: 10 light strips
- Do not place in reach of children.
- NOT FOR EMERGENCY LIGHTING.
- Light strips only connect to adjacent units.
- Suitable for surface and cabinet mounting.
- Operating Temperature: -20°C~40°C(-4°F~104°F)
- Operating Humidity: 10%~90%RH, Non-condensing
- Use only insulated staples or plastic ties to secure cords.

- Not intended for recessed installation in ceilings, or soffit.
- Do not use the device where wireless devices are not allowed.
- Keep the device away from water, fire, wet or hot environments.
- Adapter shall be installed near the equipment and shall be easily accessible.
- Do not install in a compartment smaller than 43 inches by 12 inches by 12 inches.
- The maximum distance to the receptacle is determined by the length of adapter cord.
- Only use the control provided with or specified by these instructions to control this device.
- Switch off the power supply to the device and allow sufficient time for it to cool before handling it.
- Suitable for dry and damp locations, keep the device away from water, fire, wet or hot environments.
- Route and secure cords so that they will not be pinched or damaged when the cabinet is pushed to the wall.
- Do not use damaged charger to charge the device. Do not use any other charger than those recommended.
- Avoid placing controller box in areas surrounded by mental or near other devices designed to receive or transmit radio signals.
- Position the portable cabinet light with respect to the cabinet so the lamp replacement markings are able to be read during replacing;
- Please disconnect this strip from AC outlet before cleaning. Do not use liquid or detergent to clean the product. Only use a dry cloth. Drop or fall could cause injury.
- Use only power supplies which are provided by manufacture and in the original packing of this product, if you have any questions, please don't hesitate to contact us.
- The National Electrical Code (NEC) does not permit cords to be concealed where damage to insulation may go unnoticed. To prevent fire danger, do not run cord behind walls, ceilings, soffits, or cabinets where it may be inaccessible for examination. Cords should be visually examined periodically and immediately replaced when any damage is noted.

Please read and follow the above safety information when operating the device. We cannot guarantee that no accidents or damage will occur due to improper use of the device. Please use this product with care and operate at your own risk.

Explanation of the symbols on the product label

Symbol	Explanation
⧈	Class II equipment

Symbol	Explanation
	Indoor use only
	AC voltage
	DC voltage
	Polarity of d.c. power connector
VI	Energy efficiency Marking
	RECYCLING This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment. User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.