



User Guide

Kasa Smart Wi-Fi Outdoor Plug EP40

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About This Guide

This guide provides a brief introduction to smart outdoor plug and the Kasa Smart app, as well as regulatory information.

Features available of this product and in Kasa Smart may vary by model and software version. Smart outdoor plug and Kasa Smart availability may also vary by region. All images, steps, and descriptions in this guide are only examples and may not reflect your actual 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.
<u>Underline</u>	Hyperlinks are in teal and underlined. You can click to redirect to a website.

More Info

- Specifications can be found on the product page at <https://www.tp-link.com>.
- Our Technical Support and troubleshooting information can be found at <https://www.tp-link.com/support>.

Introduction

Extend your smart home outdoors with the weather-resistant smart outdoor plug. Power on your patio lights, holiday decorations, and more from the convenience of your smartphone. Turn each outlet on/off individually, set schedules, or use simple voice commands with Alexa or Google Assistant to control all of your connected devices.



Double the Outlets



Weather-resistant



Remote Control



Voice Control



No Hub Required



Scheduling

- **Double the Outlets** - Access and use two outdoor devices from anywhere, together or individually—all with one smart plug.
- **Weather-resistant** - IP64 rating and weather-resistant cover ensure your outdoor plug is protected against entry of dust and splashes of water from any direction.*
*To prevent water from entering, always keep the outdoor plug's socket face down and keep the socket covered with the weatherproof cover when not in use.
- **Remote Control** - Turn your connected device on and off anywhere using your Kasa Smart app.
- **Voice Control** - Use simple voice commands with Alexa or Google Assistant to control your connected devices.
- **No Hub Required** - This plug works with a secured 2.4GHz wireless network without the need for a separate hub.
- **Scheduling** - Switch your connected device on and off automatically to save you energy and effort.

Max Load

Input: 125V~, 60Hz, 15A

Output: 15A maximum load in total, 1/2 HP Motor

Appearance

This smart outdoor plug has two control buttons to turn on or off the plug-in devices and two LEDs to show you the current status of each connected device. The LEDs change color according to different status. See the explanation below:



Smart Outlet

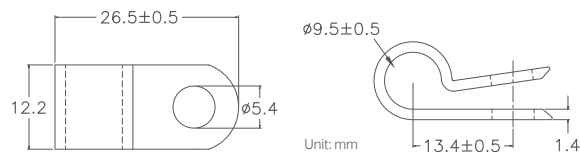
Plug in your device and control it from your smartphone.



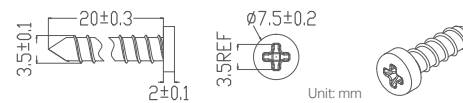
Control Button

Press to turn on or off the corresponding outlet.
Press either of the outlets for 5s to reenable setup mode.
Press either of the outlets for 10s to factory reset your plug.

Provided clamp:



Provided screw:



System LED

- Orange
Rebooting.
- Blinking Orange and Green
Setup mode initiated.
- Blinking Green
Searching for Wi-Fi.
- Green
Connected to Wi-Fi network successfully.
- Blinking Orange
Resetting.
- Red
No Wi-Fi connection.

Set Up Your Smart Outdoor Plug

Follow the steps below to set up your plug via [Kasa Smart](#) app.

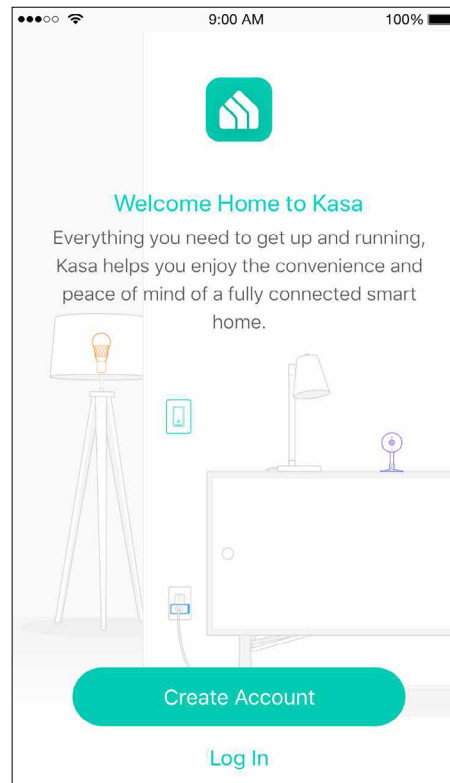
1. Download and install Kasa app

Get the [Kasa Smart](#) app from the Apple App Store or Google Play, or by scanning the QR code below.



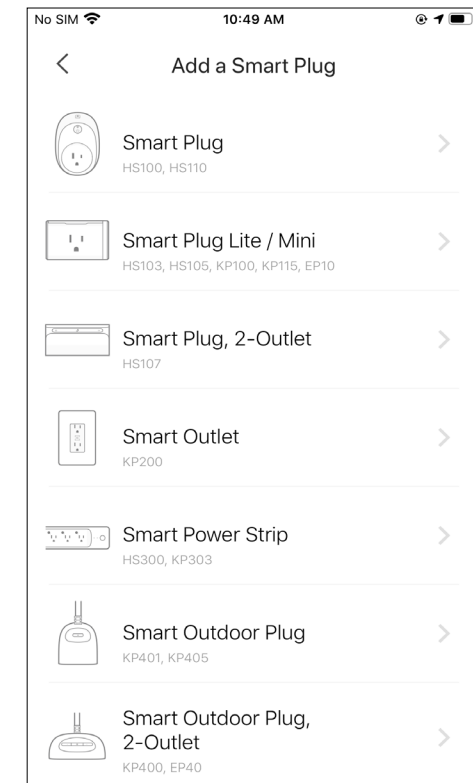
2. Log in or sign up with TP-Link ID

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



3. Add Device

Tap the + button in the Kasa app, go to [Smart Plug](#) > [Smart Outdoor Plug](#) and then follow app instructions to complete the setup.

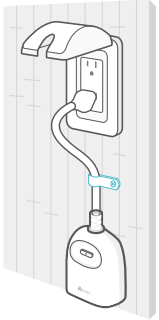


Waterproof Your Smart Outdoor Plug

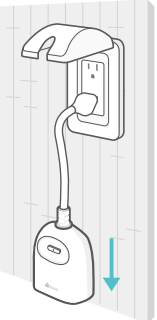
Following are some tips to waterproof your Smart Outdoor Plug when used in outdoor.

*The images are for demonstration only and may be different from your actual product.

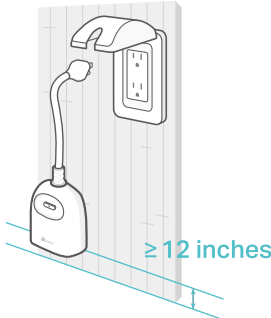
Tips



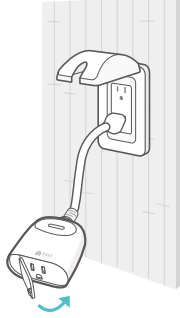
Secure the plug with provided clamp and screw.



Keep the socket face down.



Keep the plug at least 12 inches (1 ft) from the ground.



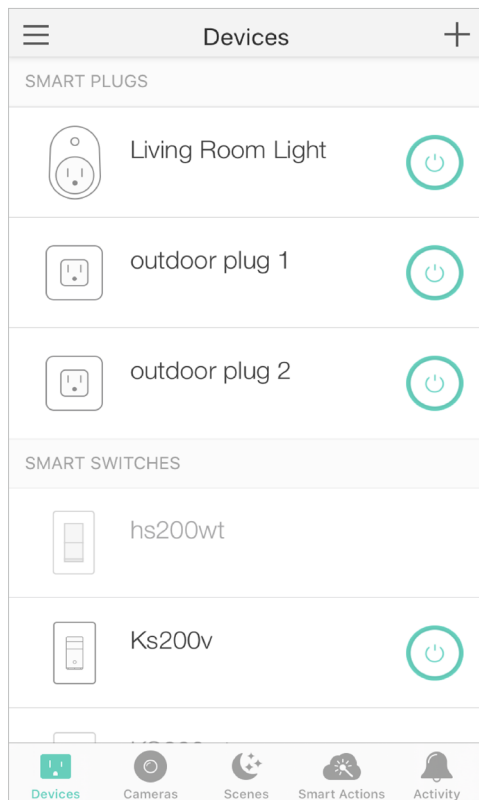
Keep the socket covered with the weatherproof cover when not in use.

Main Device Controls

After you successfully set up your Smart Outdoor Plug, you will see the home page of the Kasa Smart app. Here you can view and manage all devices that you've added to Kasa. The two outlets of your plug are listed in the home page. Tap each of the outlets to control and manage them individually.

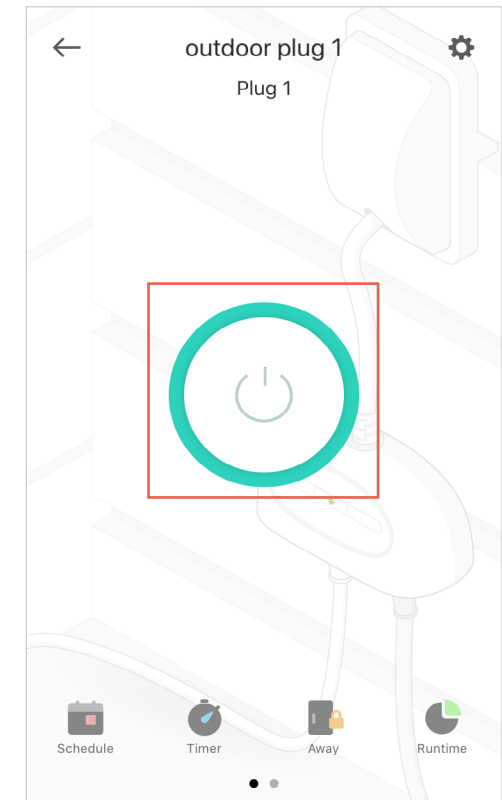
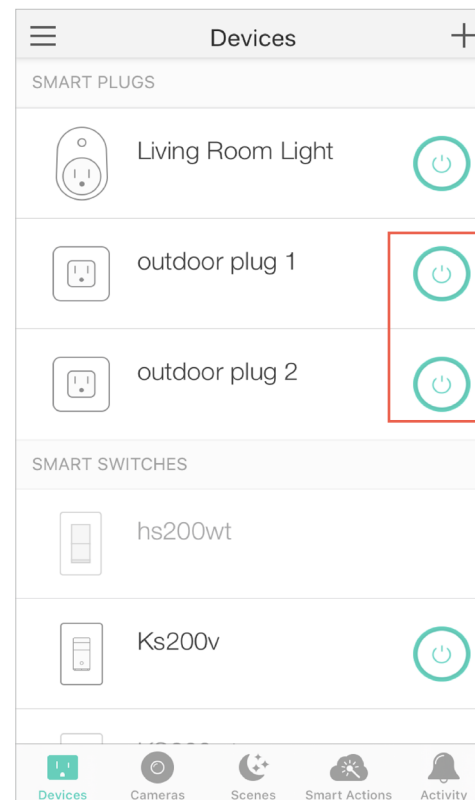
Home Page

You can see all your Kasa devices listed in the Home page.




Turn On/Off the Plug

Turn on/off each outlet of your plug quickly by tapping the switch in the Home page. Tapping the device to enter its status page, you can also check or change its status.



Set Schedules

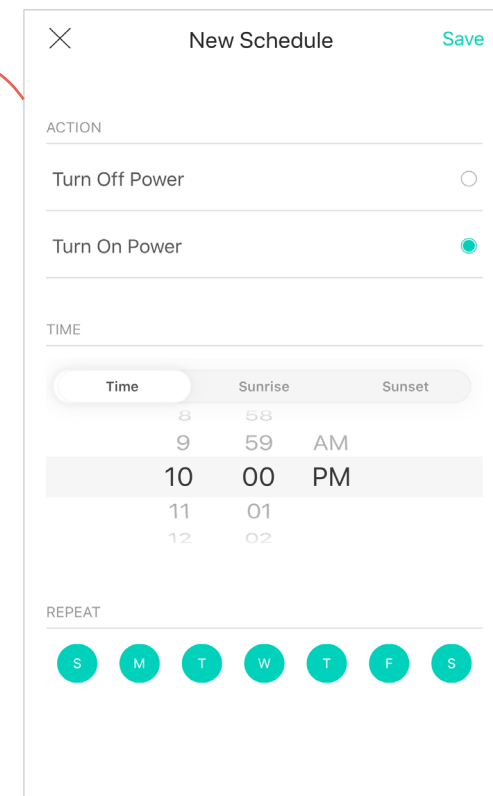
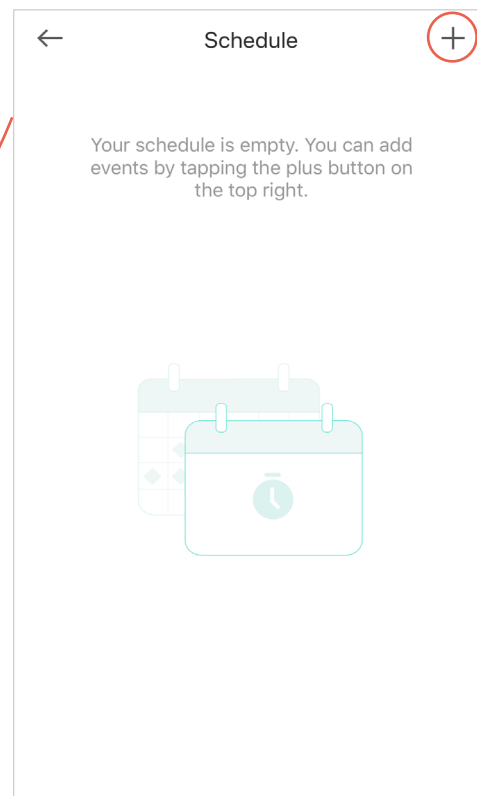
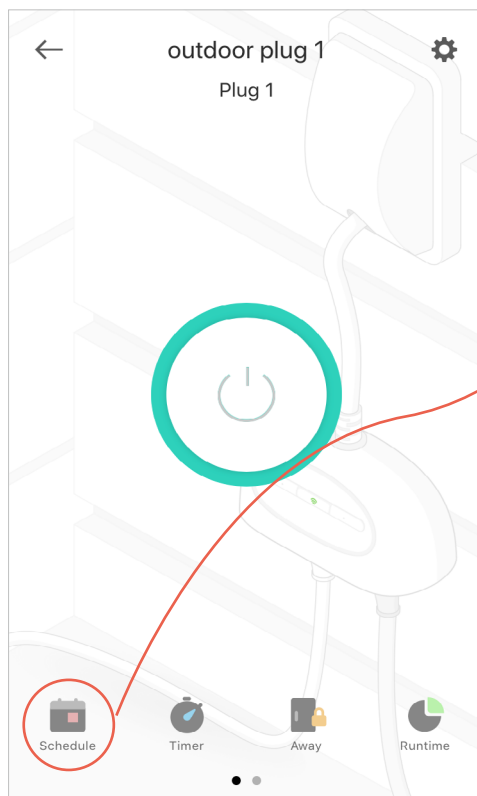
Schedule: Set schedules to automatically turn on/off the devices connected to your Smart Outdoor Plug according to your daily routine.

1. Tap either outlet of your plug in the Home page, and then Tap  .

2. Tap + on the top right corner.

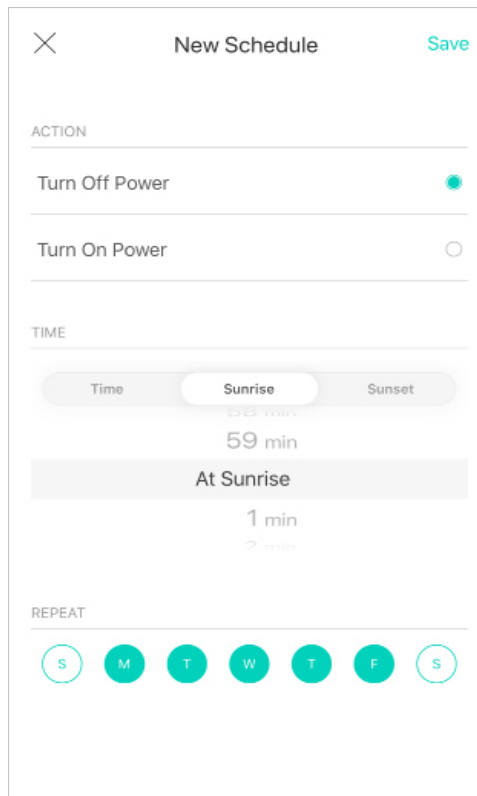
2. Set a schedule to turn the connected device on or off.

E.g. I want to turn on the plugged-in outdoor light at 10:00 PM every day.

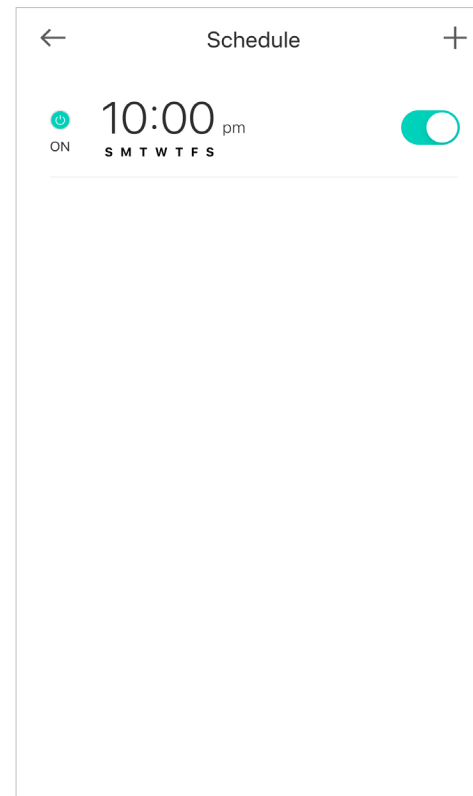


4. You can also choose to turn on/off the outlet simply at Sunrise or Sunset.

*The Sunrise and Sunset times are based on your location.




5. Tap **Save** and you'll see your schedule listed in the **Schedule** page. You can turn on or off the schedule at any time or add more schedules following the same steps.



Set Timer

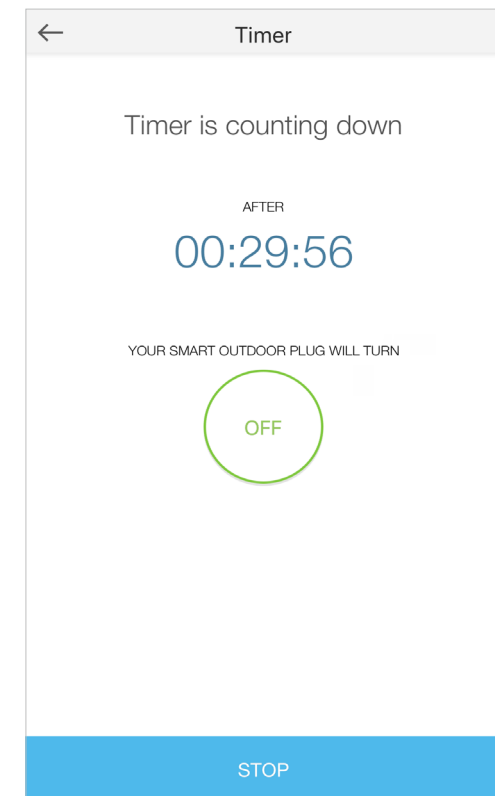
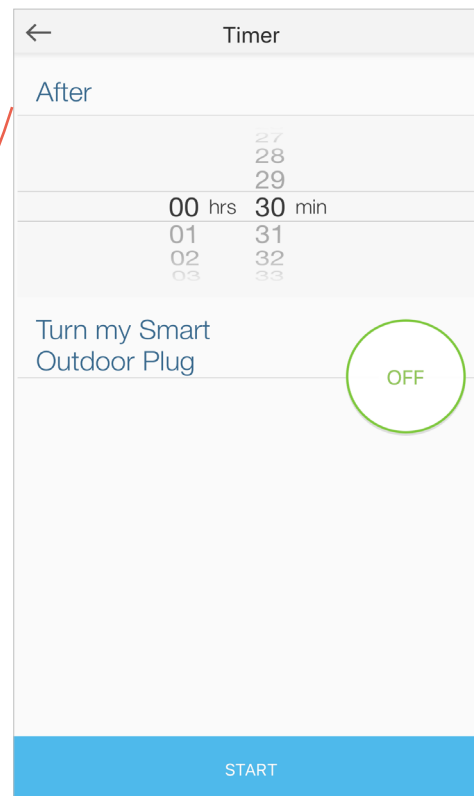
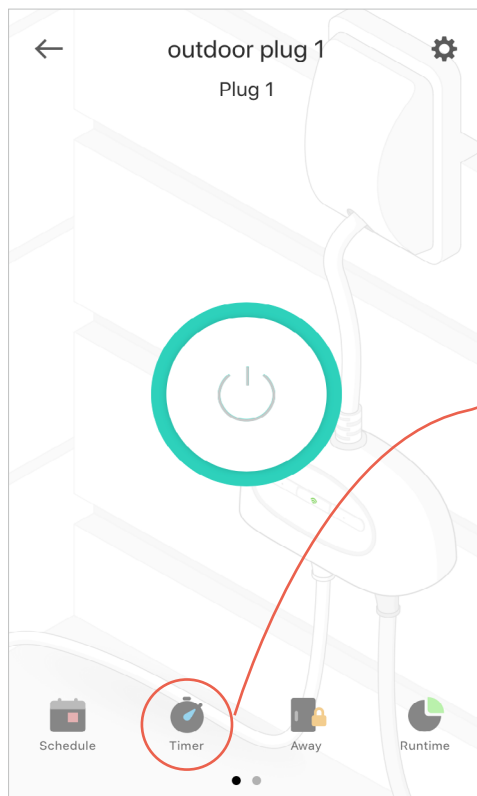
Timer: Set the timer for the connected devices to automatically turn on/off after the specified time.

1. Tap either outlet of your plug in the Home page, and then tap .

2. Set the time after which the connected device will be automatically turned on/off.


E.g. when I turn on the outdoor light, I want it to turn off automatically after 30 minutes.

2. Tap **START** and you'll see the timer starts counting down. Tap **STOP** to stop the Timer at any time.



Set Away Mode

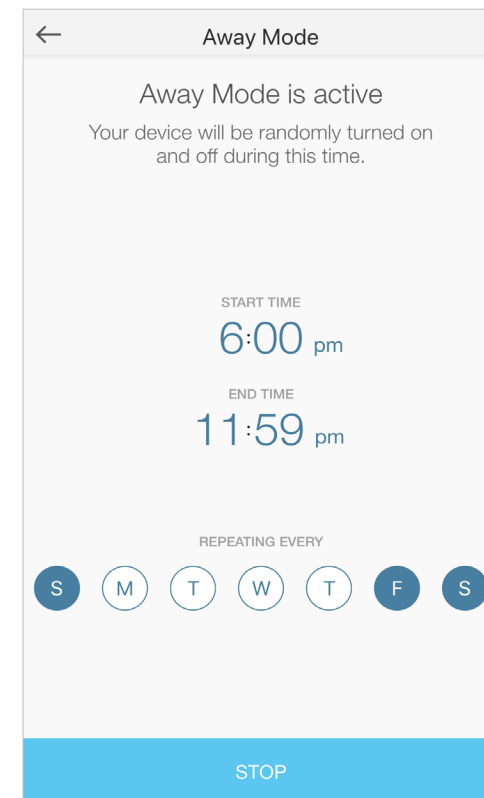
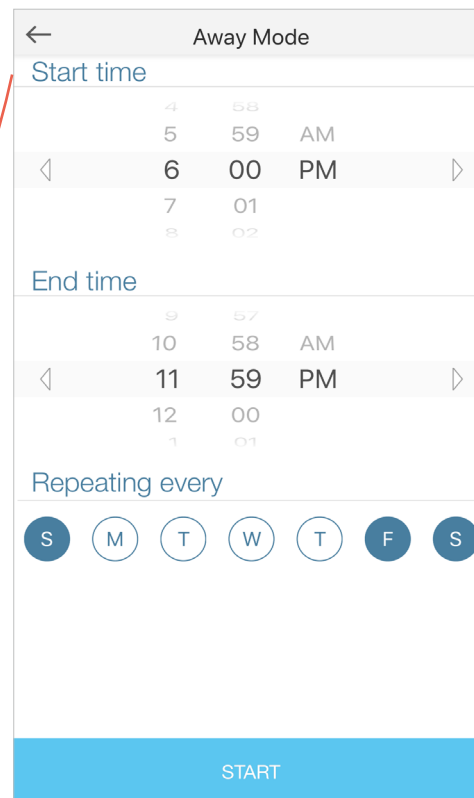
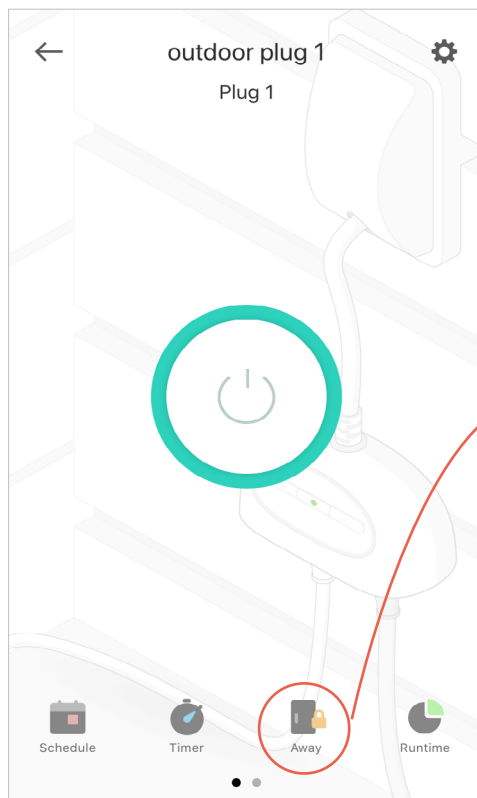
Away Mode: Set Away Mode for the connected devices to turn on/off automatically at random intervals while you are away to make the appearance that someone is at home.

1. Tap either outlet of your plug in the Home page, and then tap .

2. Set the start and end time during which the connected device will be automatically turned on and off at random intervals, then choose the repeating frequency.


Note: The start and end time must be on the same day.

E.g. I want my outdoor light to turn on/off from 6:00 PM to 11:59 PM every Friday, Saturday and Sunday.

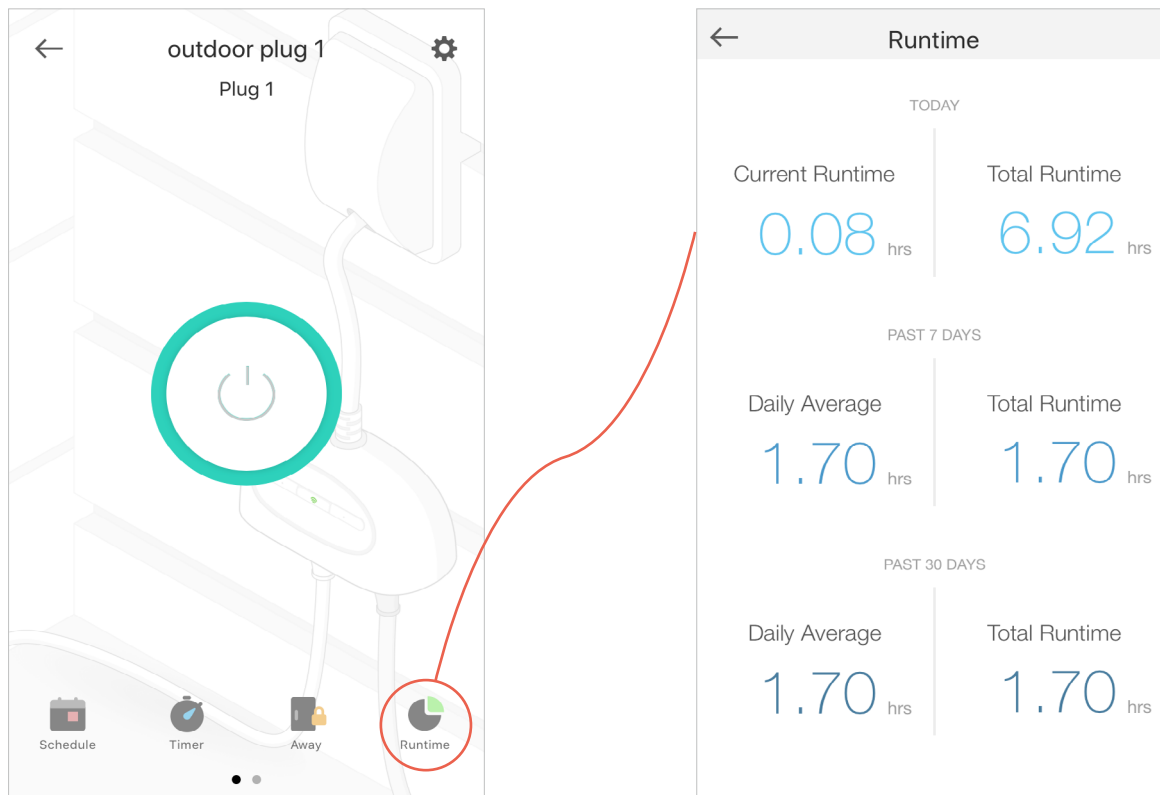


Check Runtime


Runtime: Check runtime to keep track of how long either outlet of your Smart Outdoor Plug has been working.

1. Tap either outlet of your plug in the Home page, and then tap .

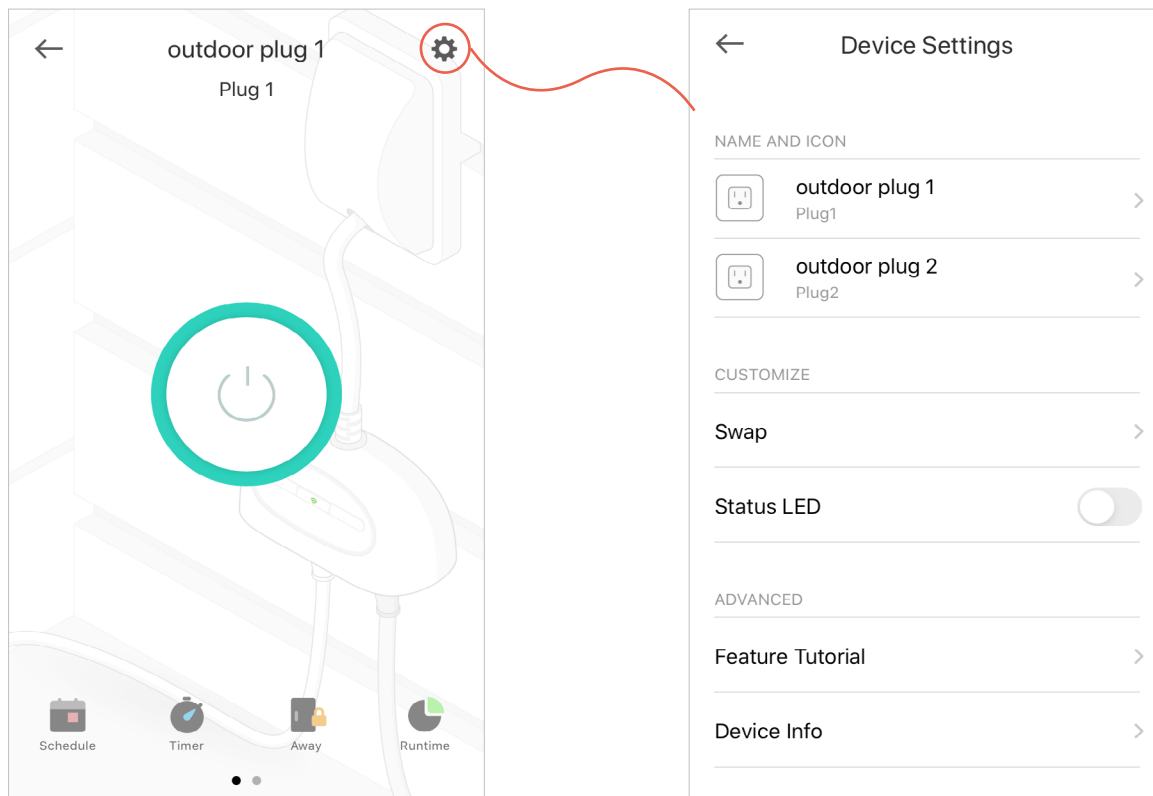
2. Check the runtime for today, the past 7 days, or the past 30 days.



Manage Device Settings

1. Tap either outlet of your plug in the Home page and then tap  .

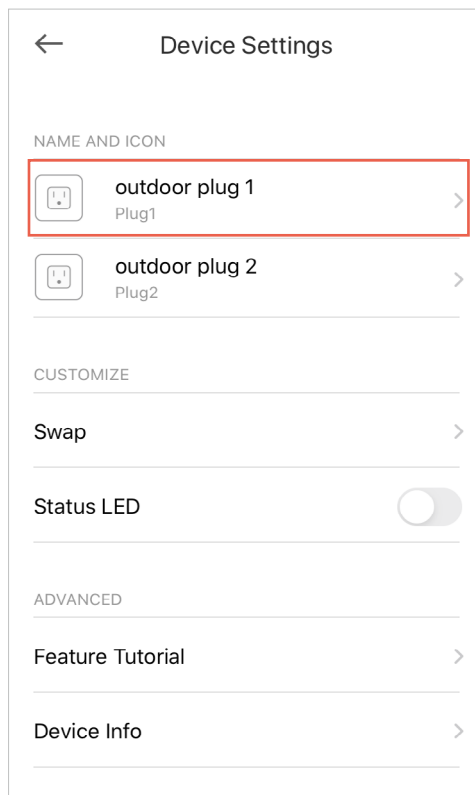
2. Here you can customize settings of each outlet of your plug.



Manage Device Settings

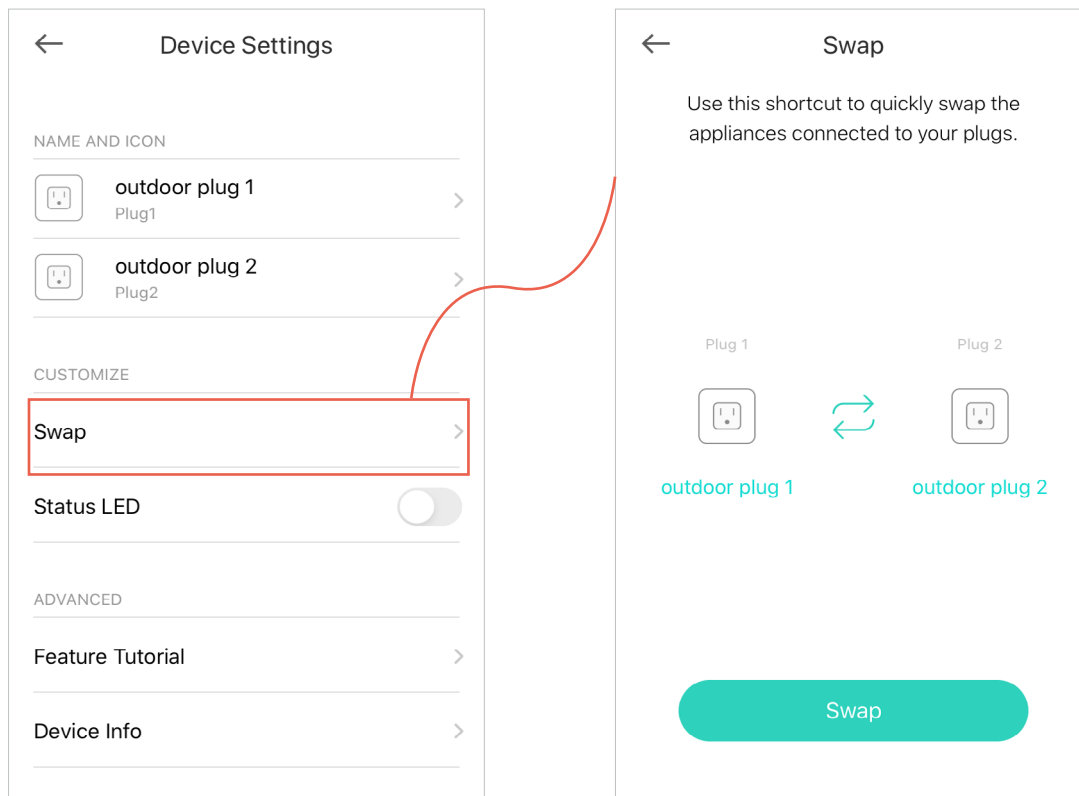
1. Change name and icon

Tap either outlet of your plug to change its name and icon.



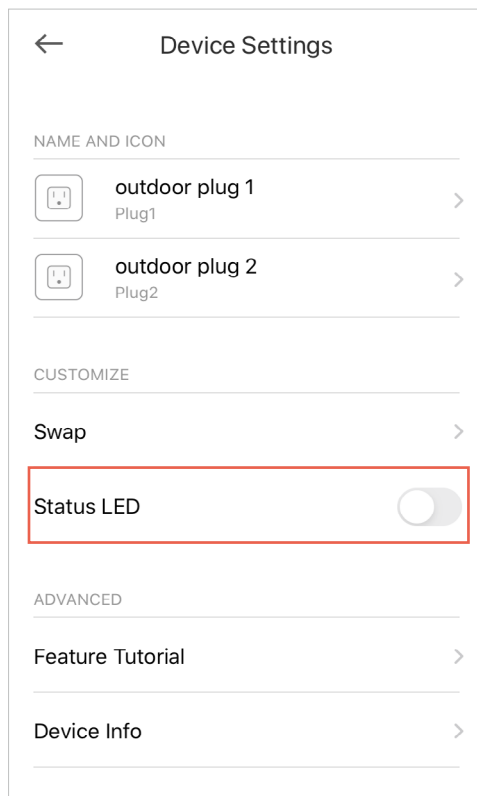
2. Swap between the two outlets

Tap **Swap** to quickly swap the appliances connected to your plug.



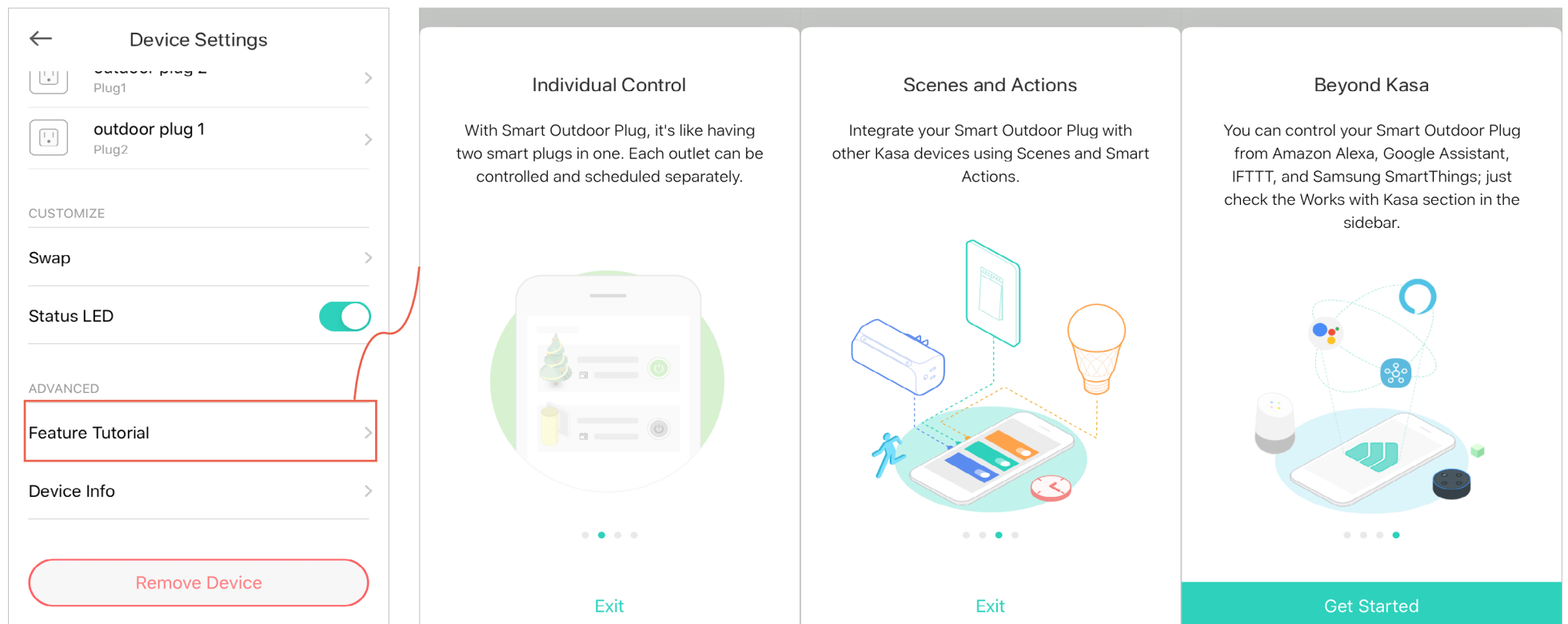
3. Turn on/off status LED

Status LED is on by default. If you turn it off, the LED won't illuminate.



4. Check feature tutorial

Tap [Feature Tutorial](#) to check the advanced features of your plug.

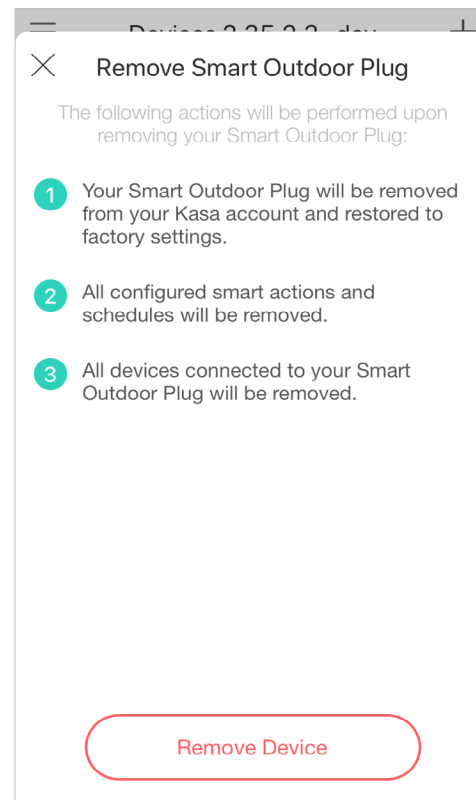
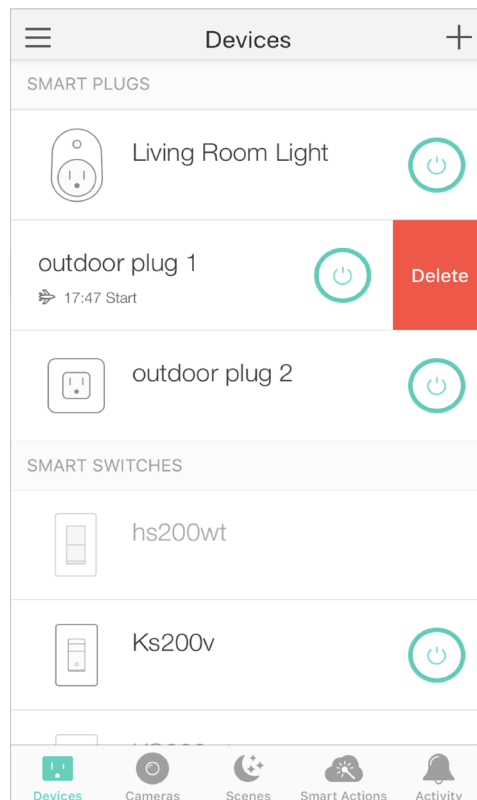


Reset Your Smart Outdoor Plug

There are three methods to reset your Smart Outdoor Plug.

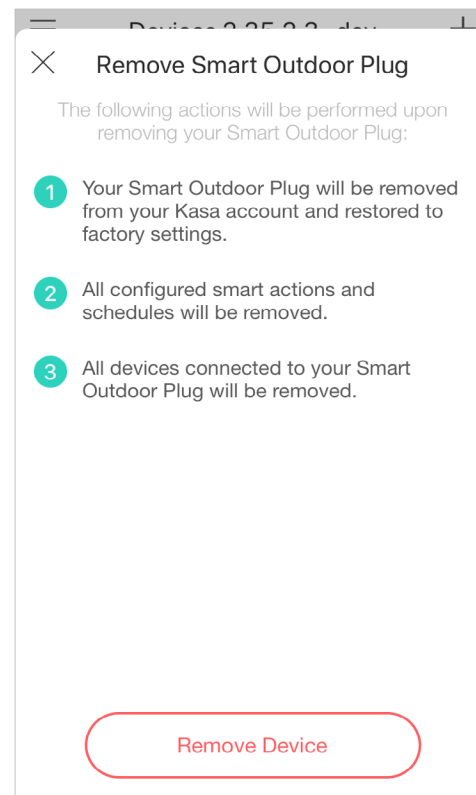
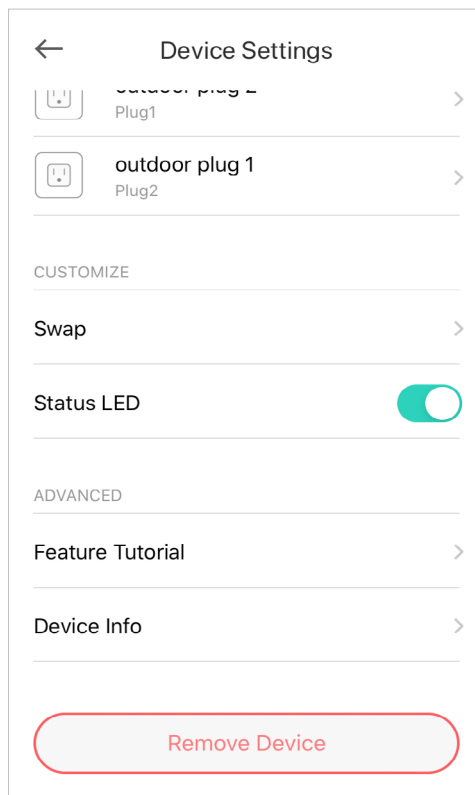
Method 1

Swipe left either outlet your Smart Outdoor Plug and tap **Delete**. Then tap **Remove Device**. Your Smart Outdoor Plug will be removed from your Kasa account and restored to factory settings.



Method 2

Tap either outlet your Smart Outdoor Plug and go to the Devices Settings page. Then tap [Remove Device](#) in the bottom. Your Smart Outdoor Plug will be removed from your Kasa account and restored to factory settings.



Method 3

Press and hold the either of control buttons of your Smart Outdoor Plug for 10s to restore it to factory default settings.

Press and hold for 5s will reset its Wi-Fi connection while keeping previous configurations.



Create Groups

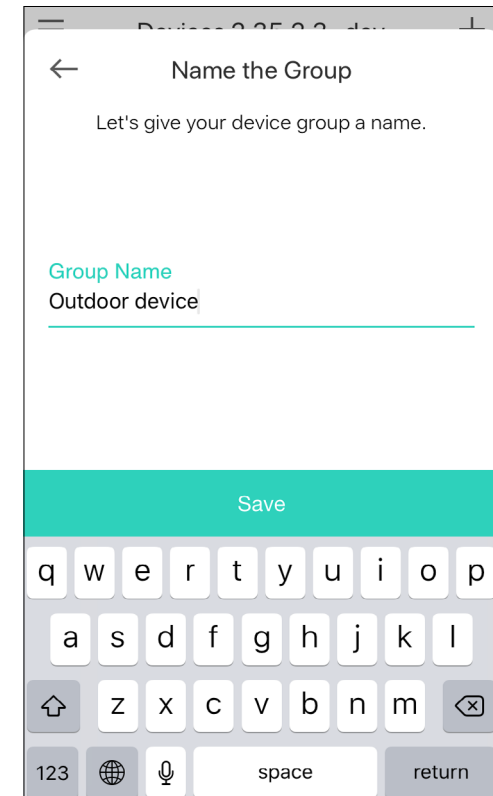
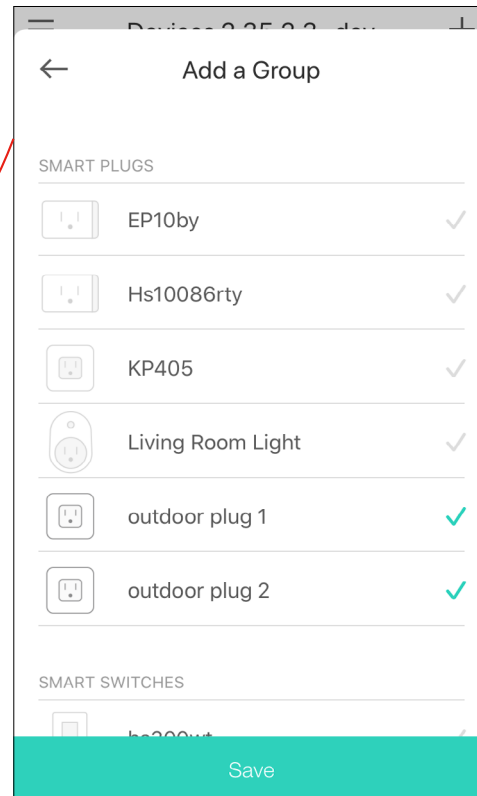
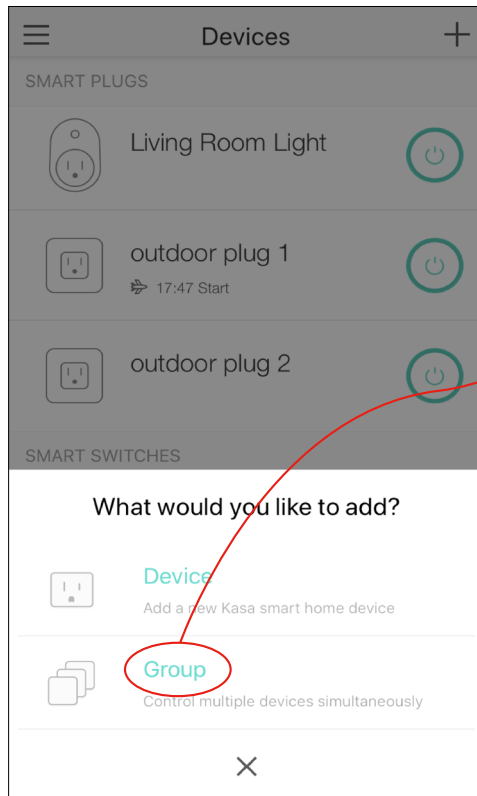
With groups, you can control multiple devices simultaneously. This page allows you to add the outlets of your Smart Outdoor Plug and/or your other Kasa smart devices to a group for unified management.

1. Create a group

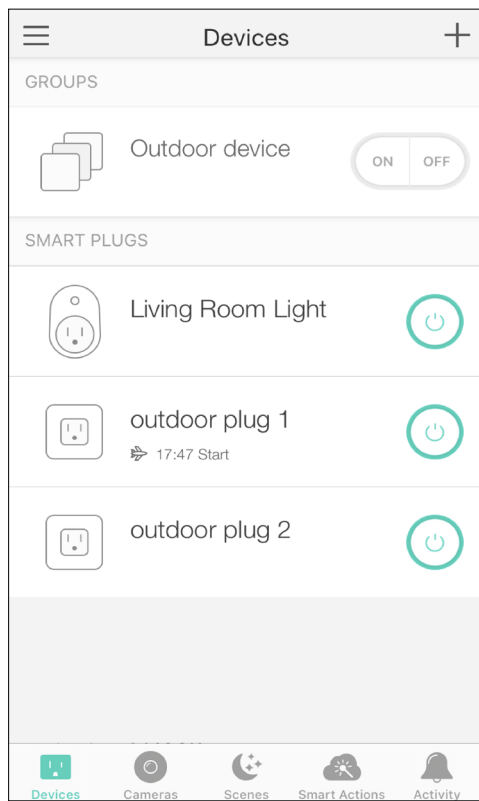
1. Tap the (+) button in the Home page of the Kasa Smart app, and select [Group](#).

2. Select the outlets of your plug and other and tap [Save](#).

3. Name the group.

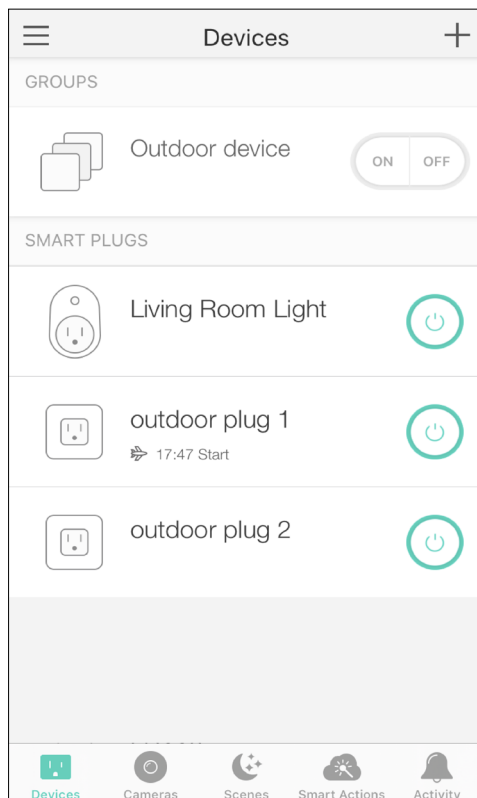


4. The created group is listed in the Home page. You can tap **ON** or **OFF** to turn on or off the devices together in the group.

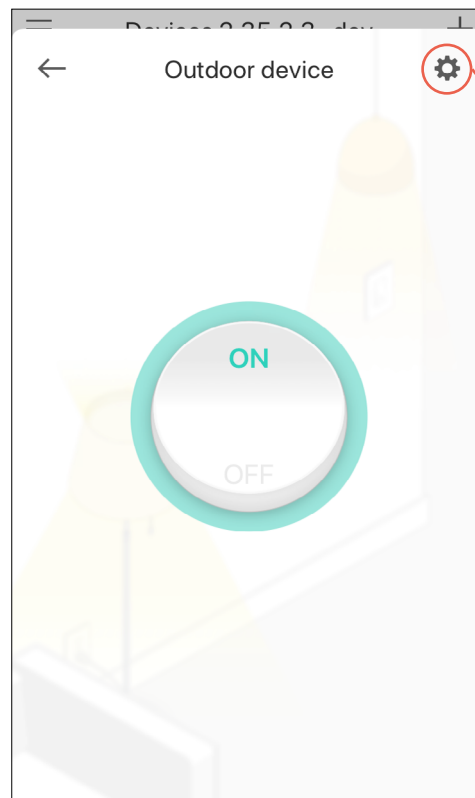



2. Manage the group

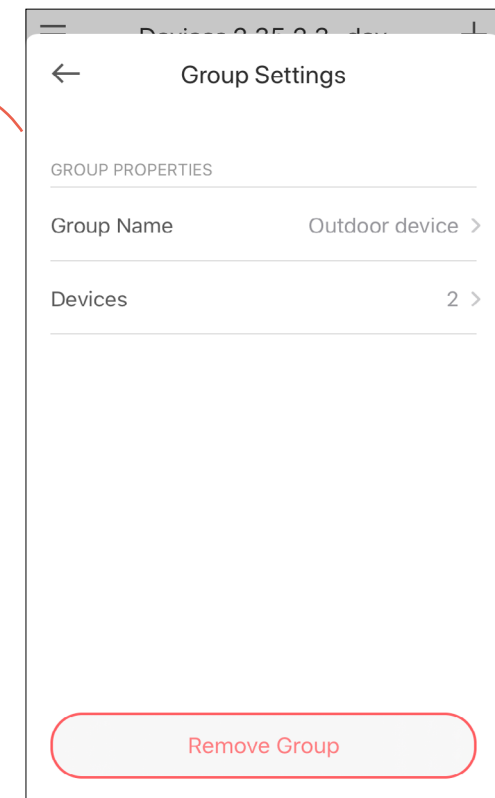
1. Tap the group you want to manage.



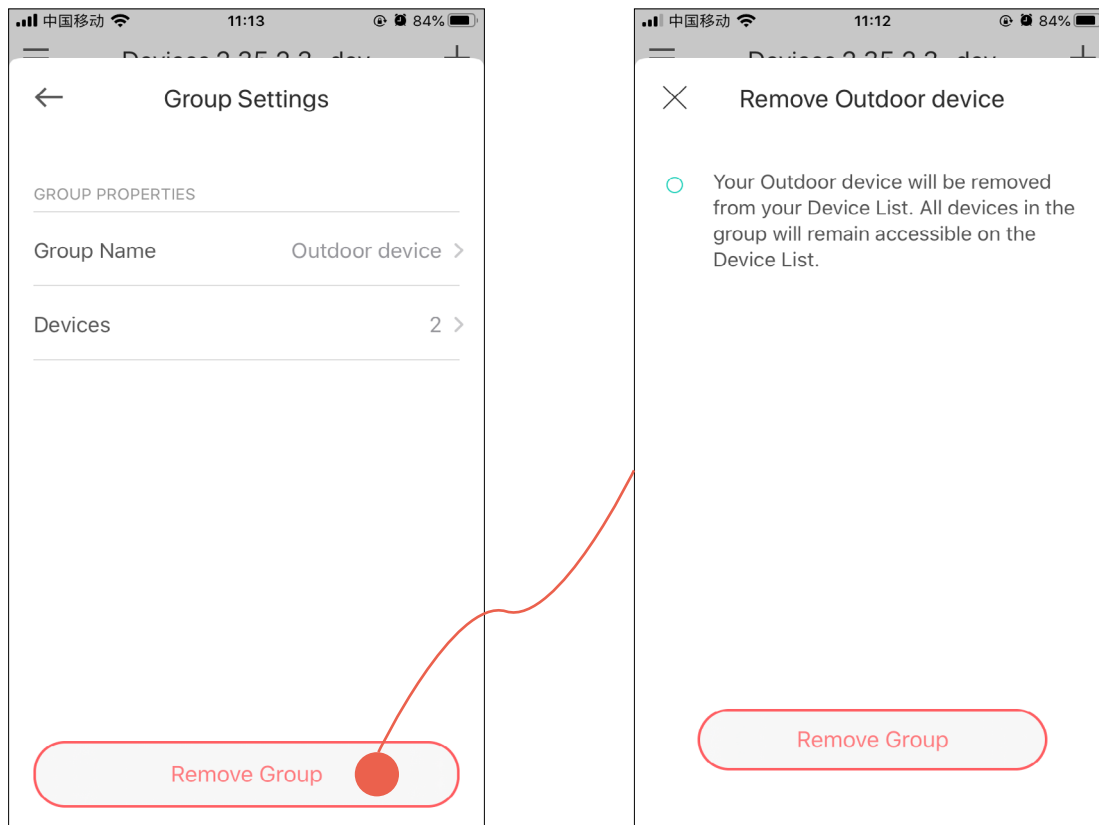
2. Turn on or off the Group in the status page.



3. Tap  to enter the settings page. You can change the group name or devices in the group as you like.




4. Tap **Remove Group** if you want to remove the group from your device list. Then double confirm it. All devices in the group will remain accessible on the device list.



Create Scenes

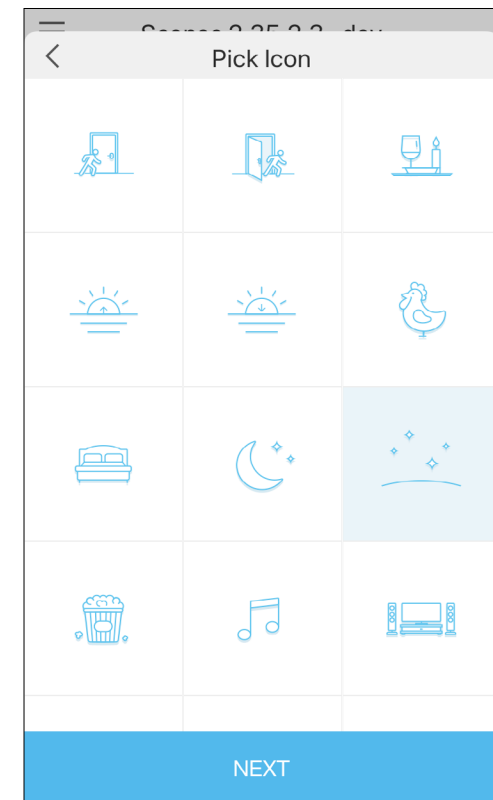
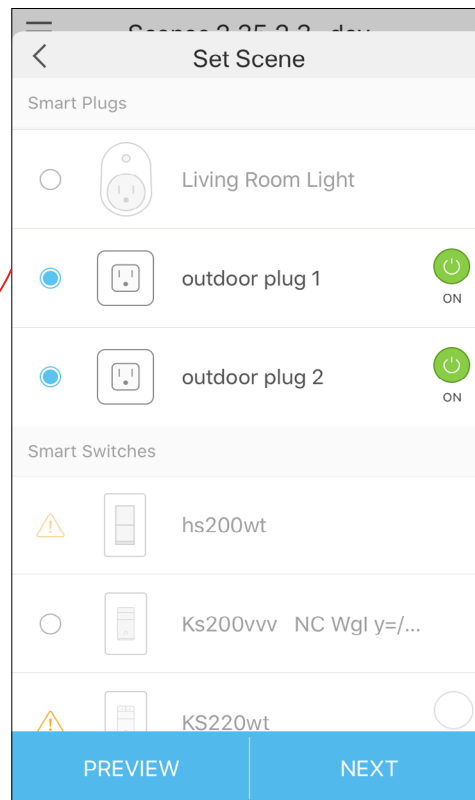
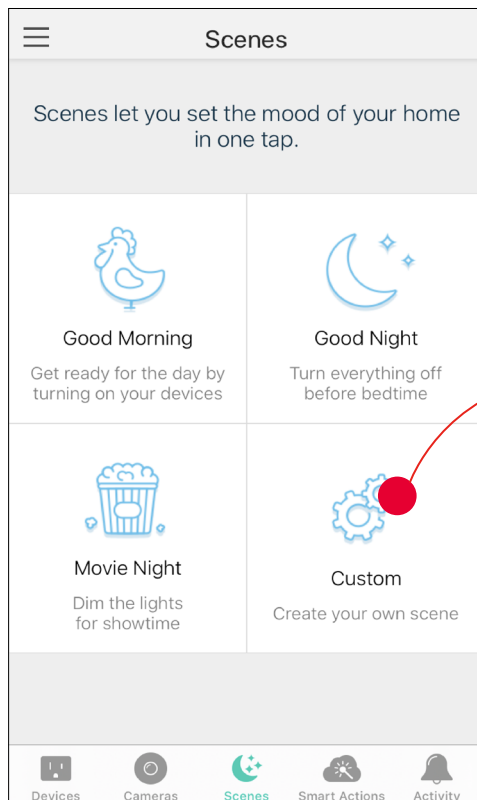
A scene is a preset group of smart devices that can be programmed, customized and activated simultaneously at the touch of a button from your smartphone or tablet, allowing you to easily set your mood, activity or fit any special occasion. This page allows you to preset how your smart home devices should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

1. Tap  at the bottom, then select a scene or create your own scene.

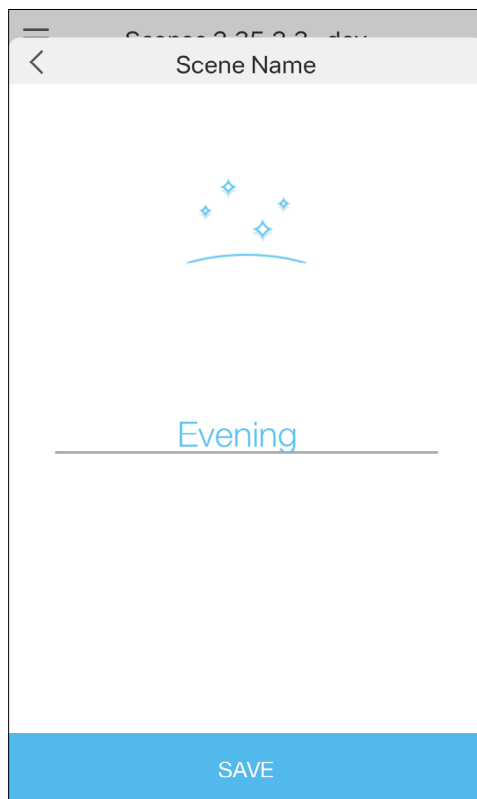
E.g. I want to turn on outdoor light and turn off outdoor light strip with one tap.

2. Select devices for the scene to work on and set their status respectively. Here we choose the two outlets of your plug.

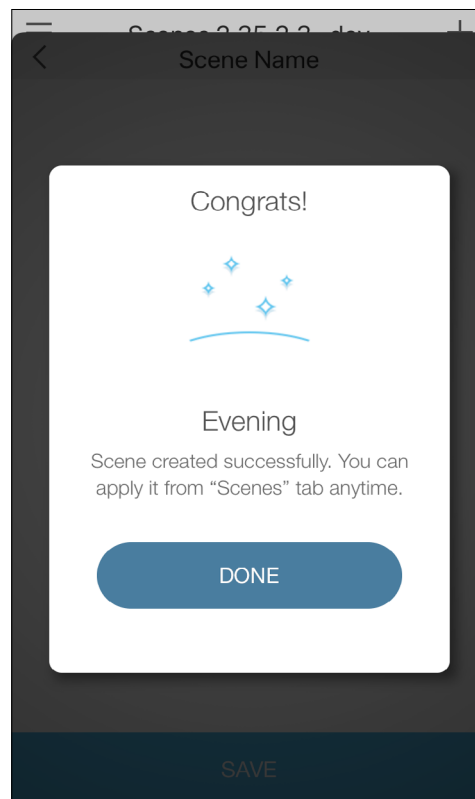
3. Pick an icon for your scene.



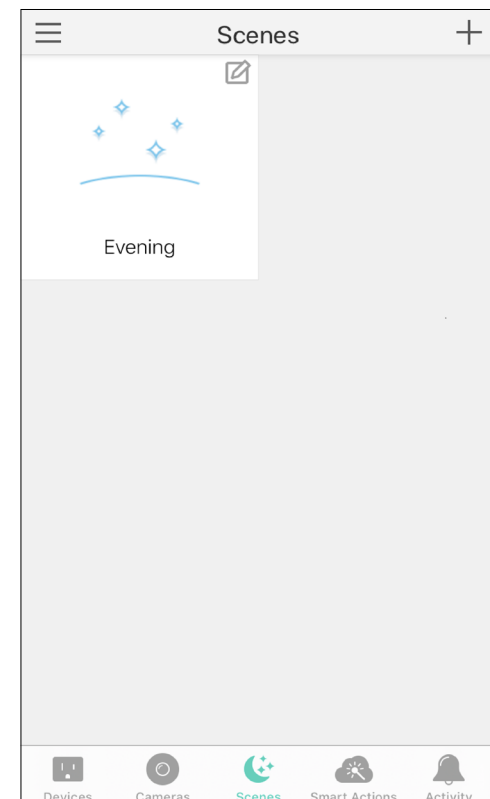
4. Name your scene.



5. Tap **Save**. Then your scene is created successfully.




6. Your scene is displayed in the scene list. Just tap the scene to activate it.



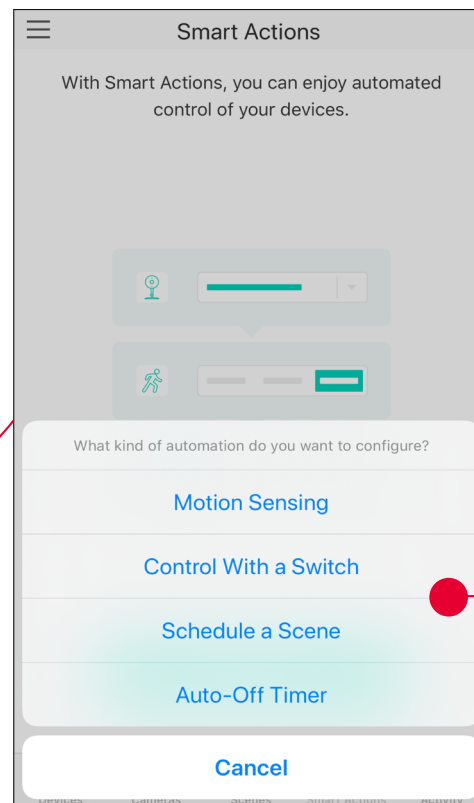
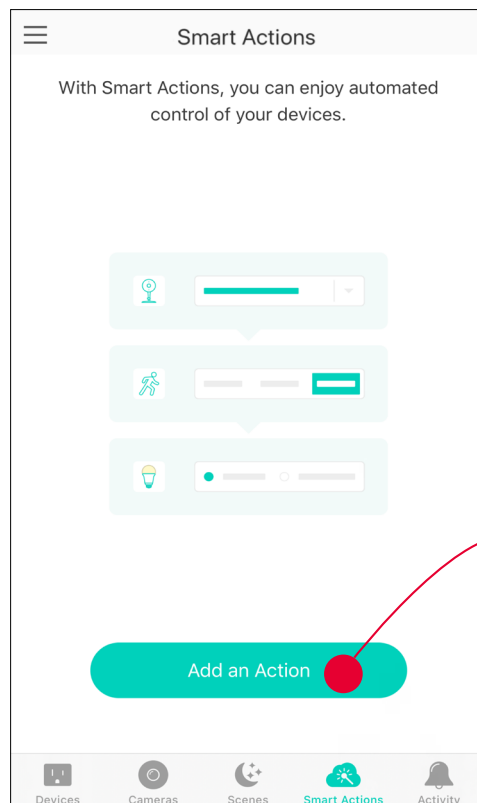
Smart Actions

Smart Actions is a function that enables device interconnections and home automations. With Smart Actions, your Kasa devices can work together to create a smarter smart home. From the moment you wake up to the moment you drift asleep, Smart Actions make your home safer and more comfortable.

* At most three smart actions can be enabled at the same time.

1. Tap  at the bottom, then tap **Add an Action**.

2. Select an automation type for your Smart Actions.



Motion Sensing: Take actions when a Kasa camera senses a motion.

Control With a Switch: Extend the Smart Switch control to other Kasa Smart devices. Turn on/off a group of devices with the Smart Switch all together.

Schedule a Scene: Schedule a "Scene" to be turned on automatically at the time specified.

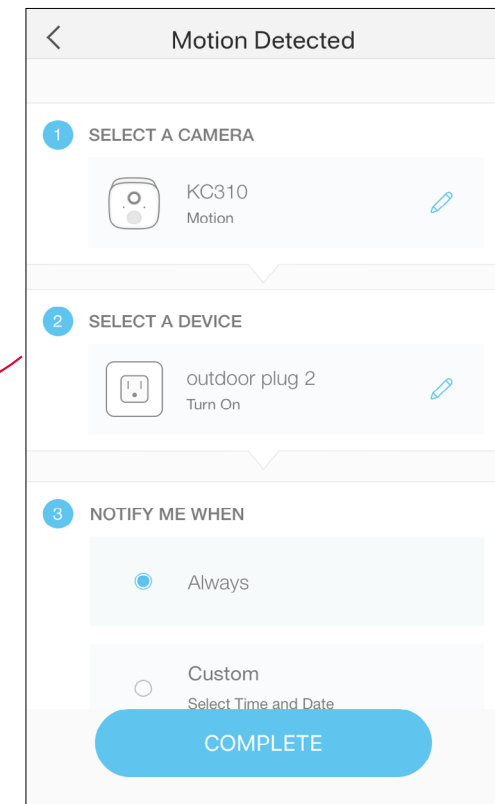
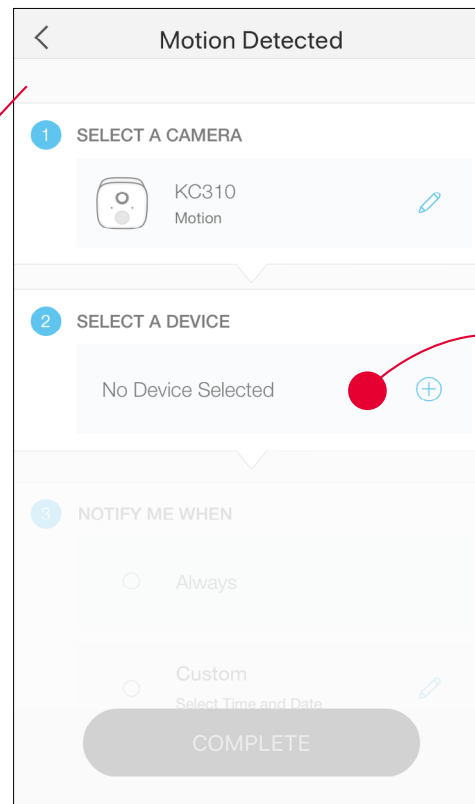
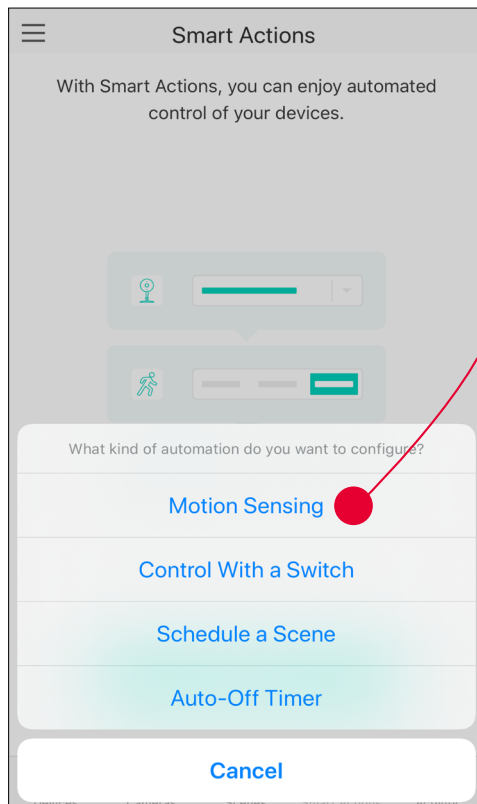
Auto-off Timer: Whenever a Smart device is turned on, turn it off after the designated amount of time.

1. Configure Motion Sensing If you already have a Kasa Smart Camera

E.g. I want to turn the outdoor light on when my Kasa camera senses a motion.

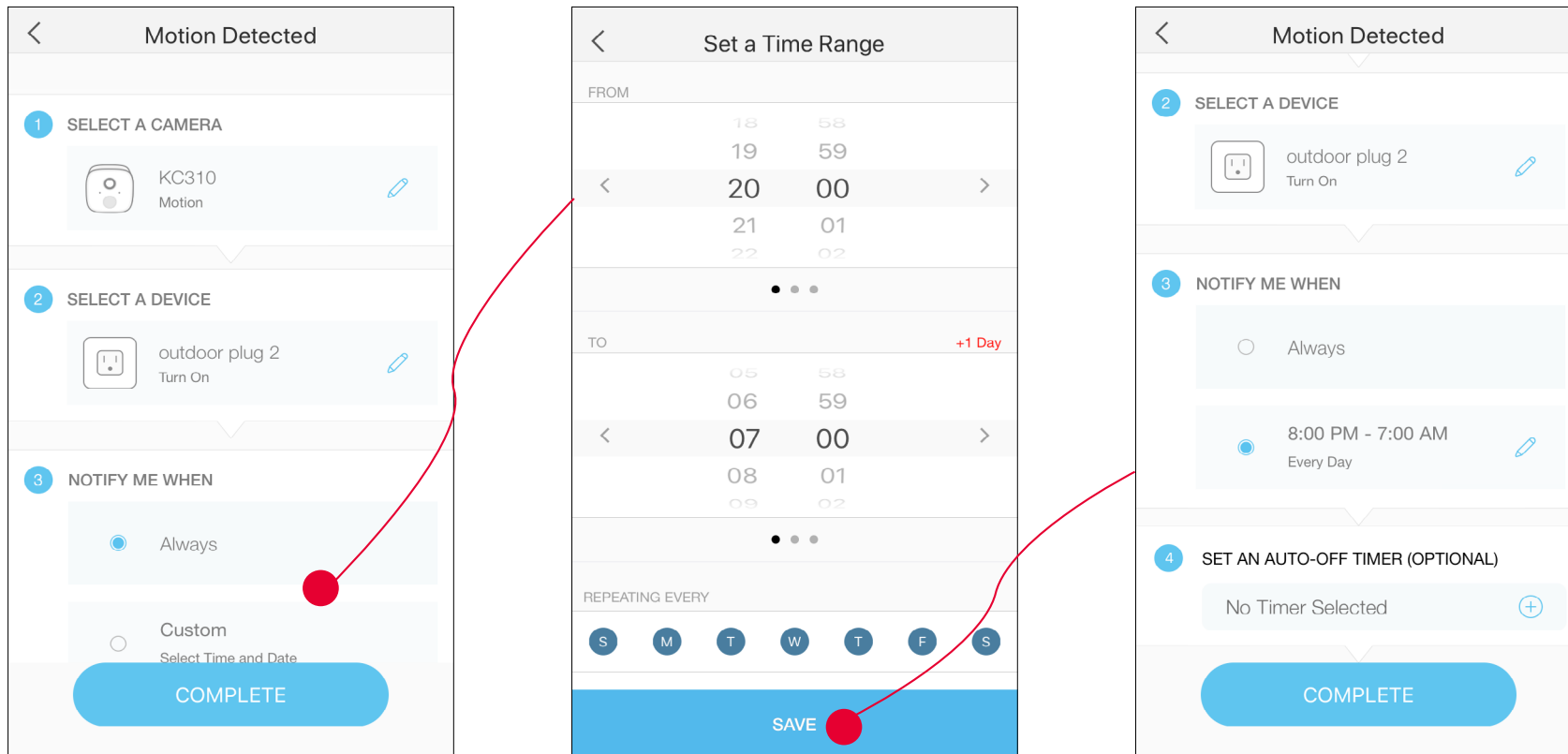
1. Tap **Motion Sensing** then select a camera.

2. Select an outlet of your Smart Outdoor Plug.

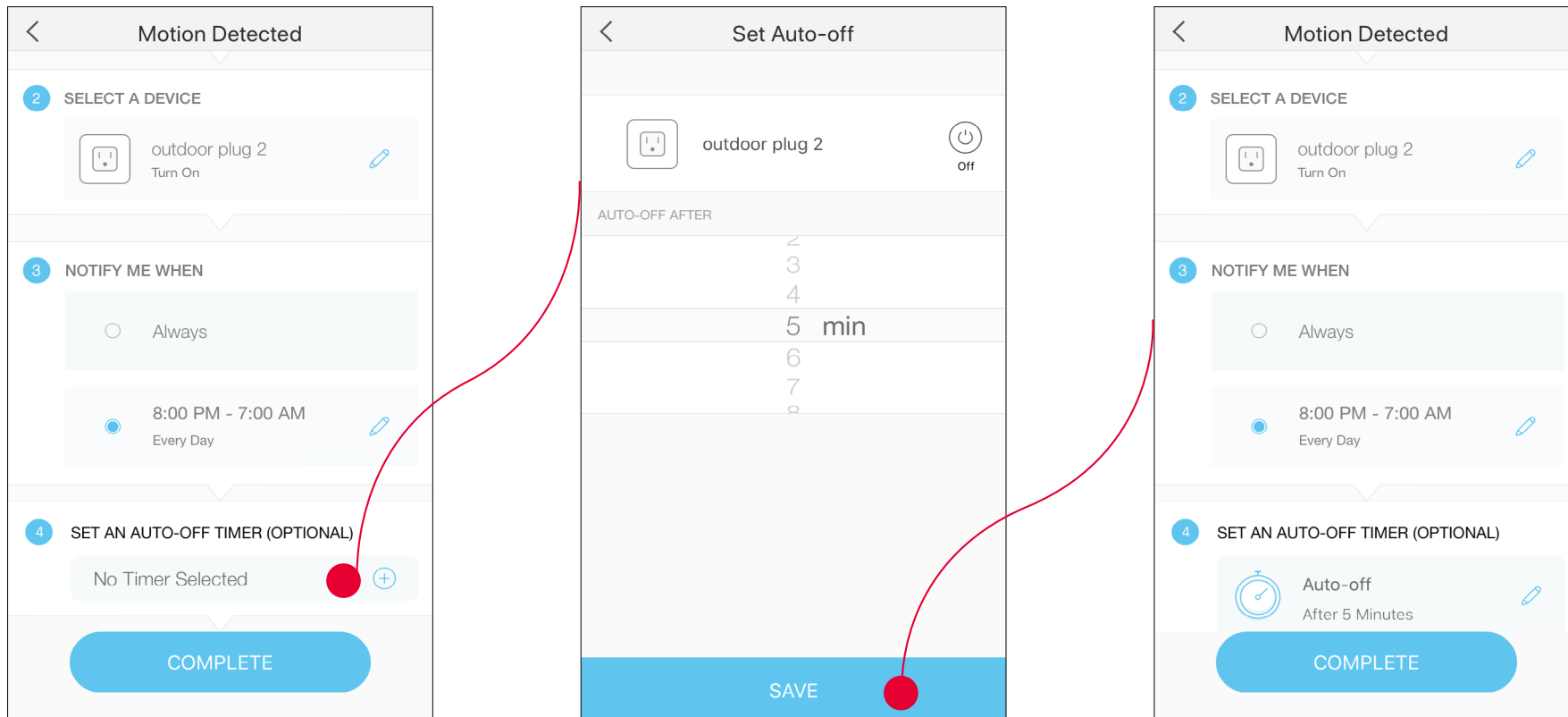


3. Set the time for the actions. You can choose [Always](#) or tap [Custom](#) to choose time according to your needs.

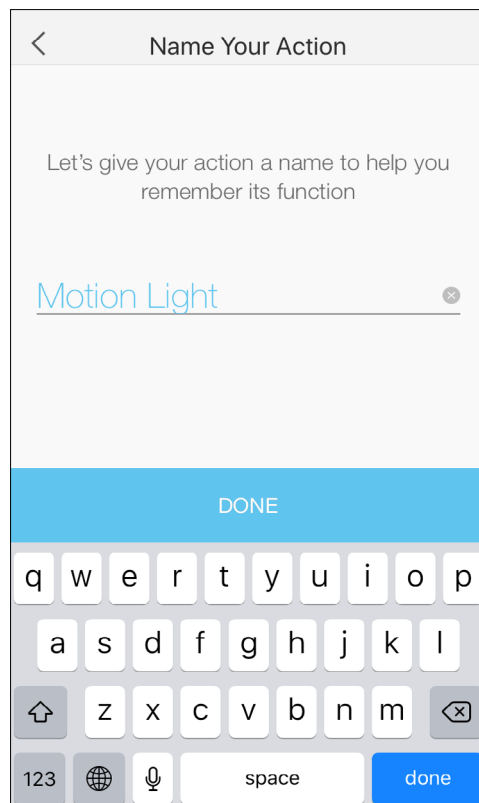
E.g. I want the motion to trigger the outdoor light on from 8:00 PM to 7:00 AM every day.



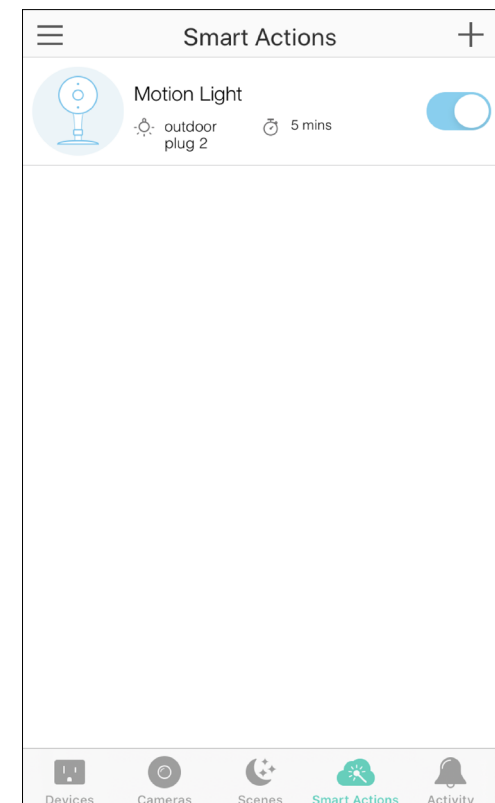
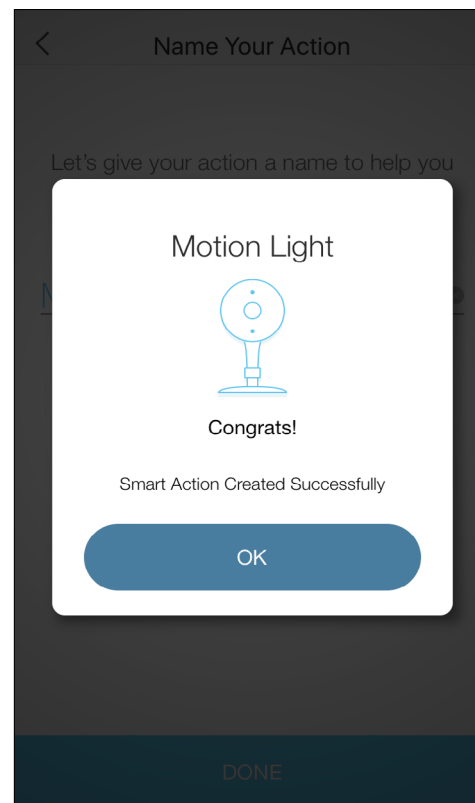
4. (Optional) Set an auto-off timer then tap **Complete**. Then your outdoor light will be turned off after the time you set if no motion is detected.



5. Name your action for easy identification.



6. The Smart Action is created successfully and displayed in the Smart Actions list.

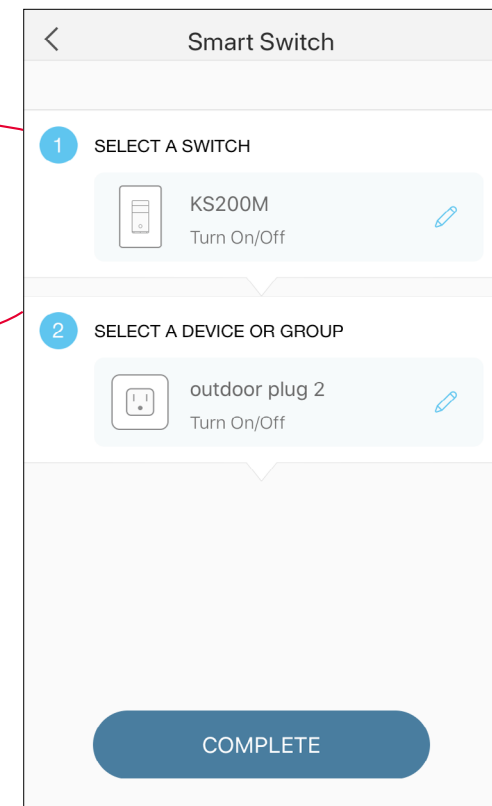
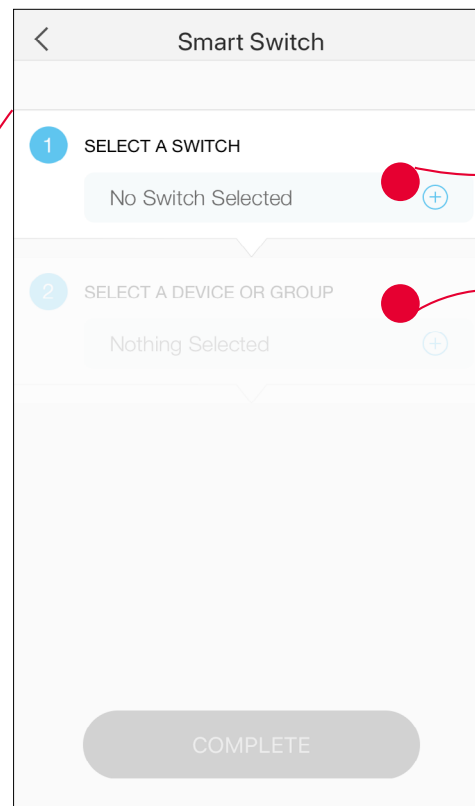
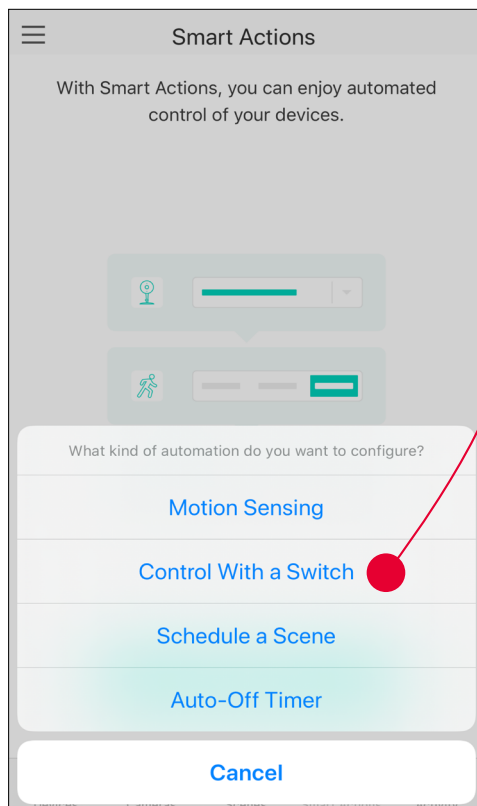


2. Configure Control With a Switch If you already have a Kasa Smart Switch

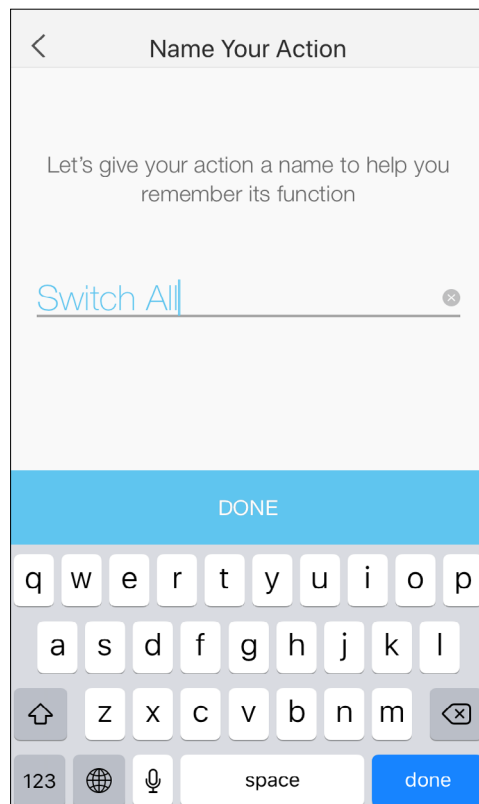
E.g. I want to turn the outdoor light on when I turn on my switch, and turn the light off when I turn off the switch.

1. Tap [Control With a Switch](#).

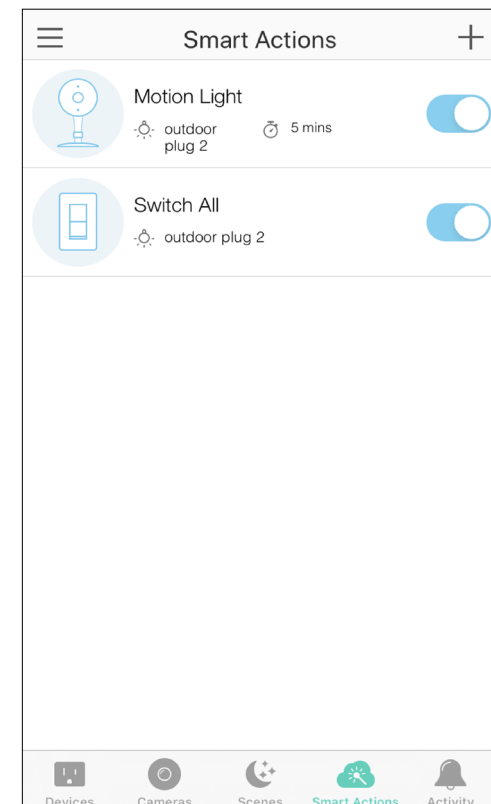
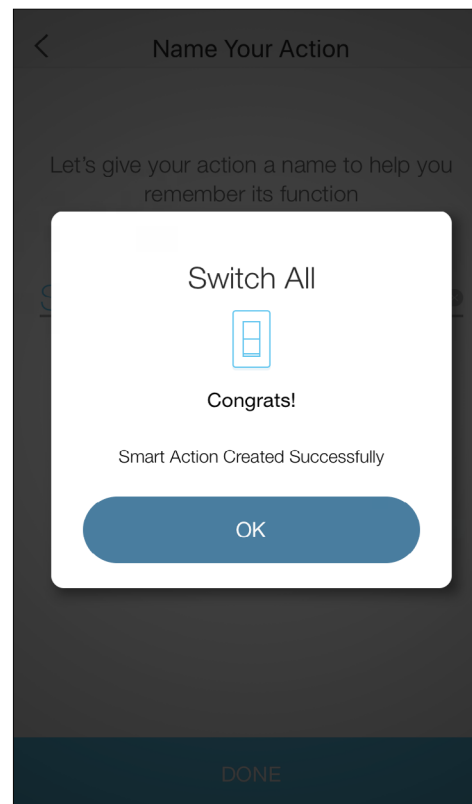
2. Add a Kasa smart switch. Then select an outlet of your Smart Outdoor Plug.



3. Name your action for easy identification.



4. Now Your Smart Action is created successfully and displayed in the Smart Actions list.

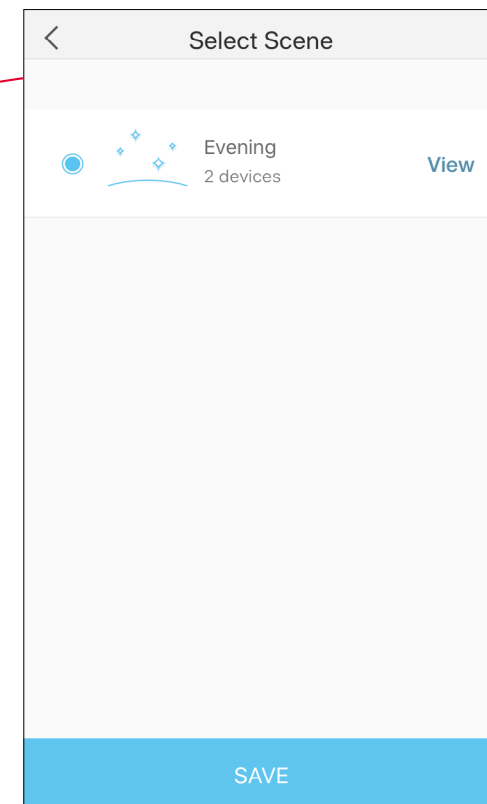
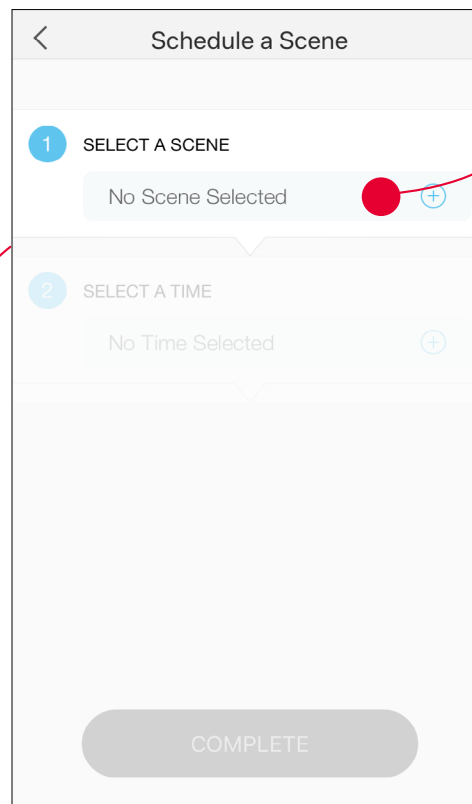
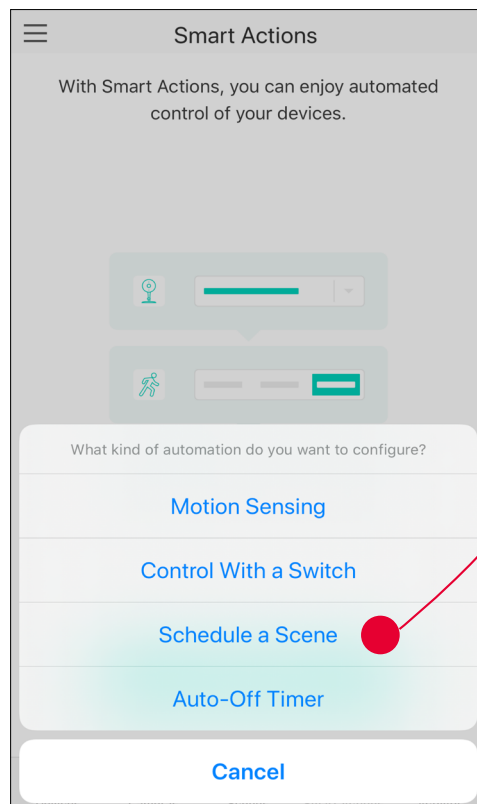


3. Configure Schedule a Scene

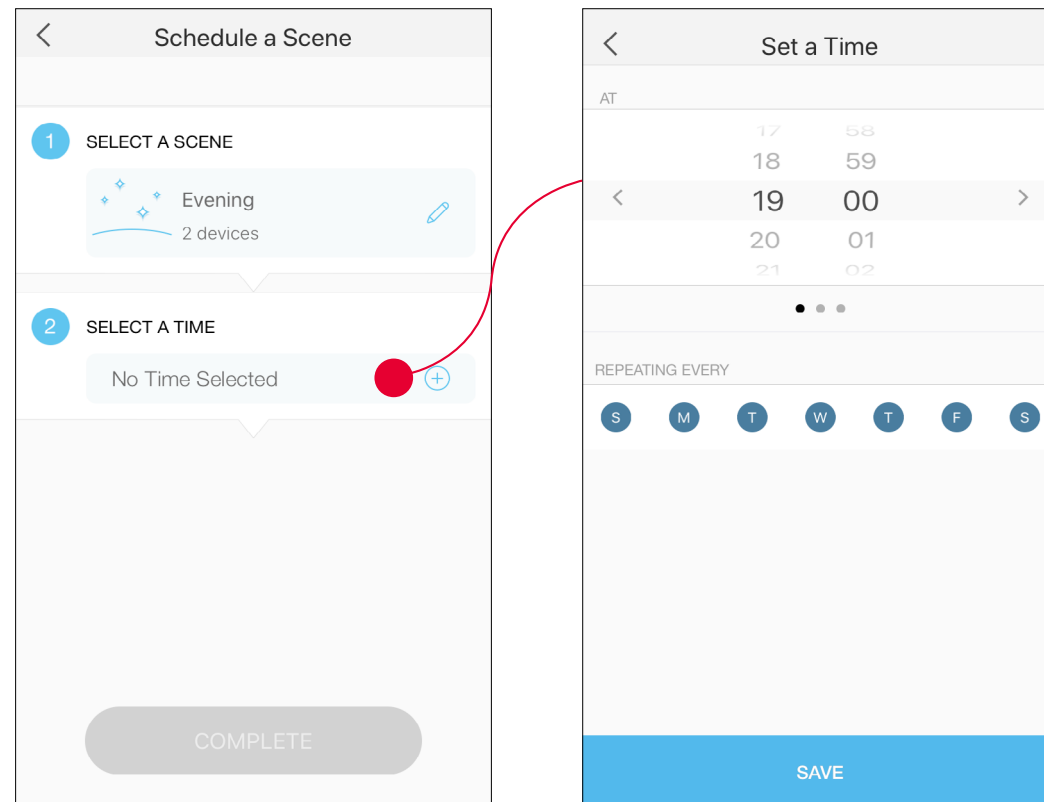
E.g. I want to turn on the scene I have created automatically at scheduled time.

1. Tap [Schedule a Scene](#).

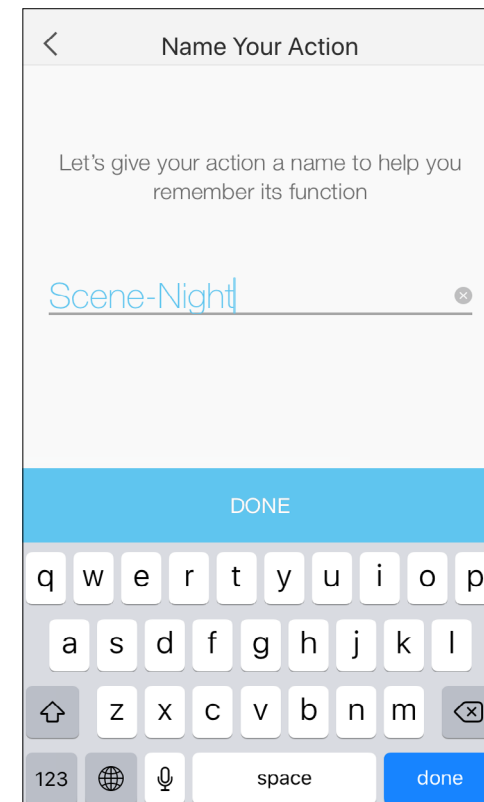
2. Select a scene you have created



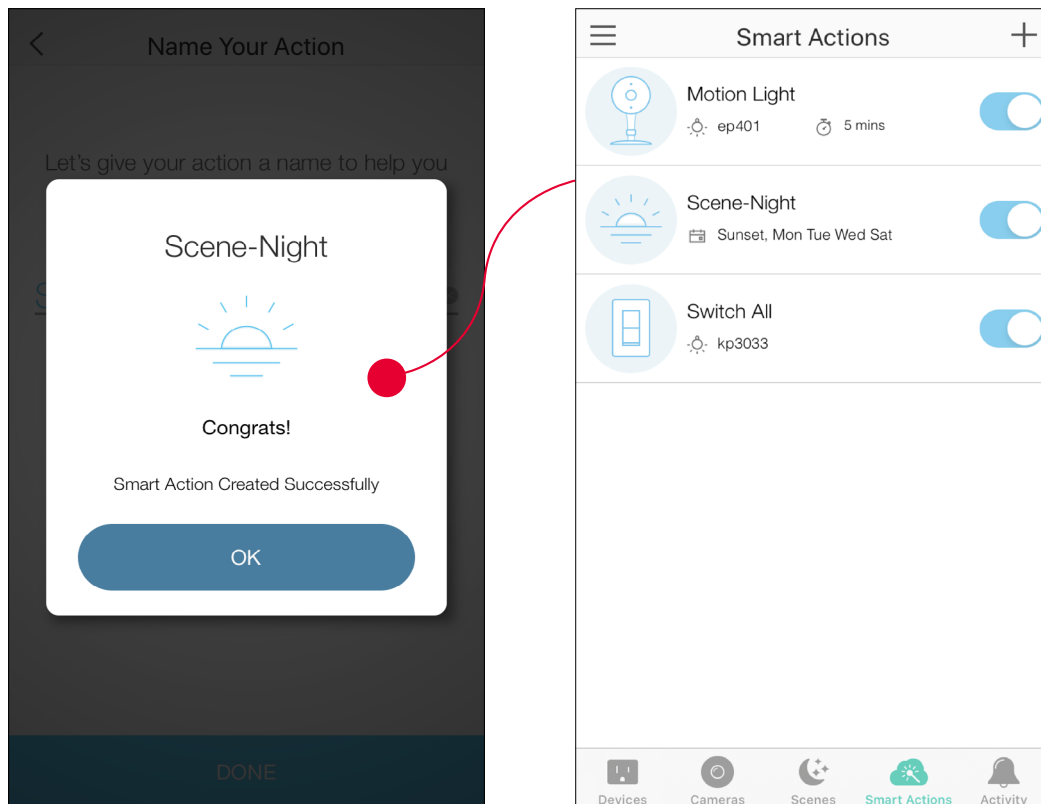
3. Set the time and frequency at which you want your scene to be turned on .



4. Name your action for easy identification.



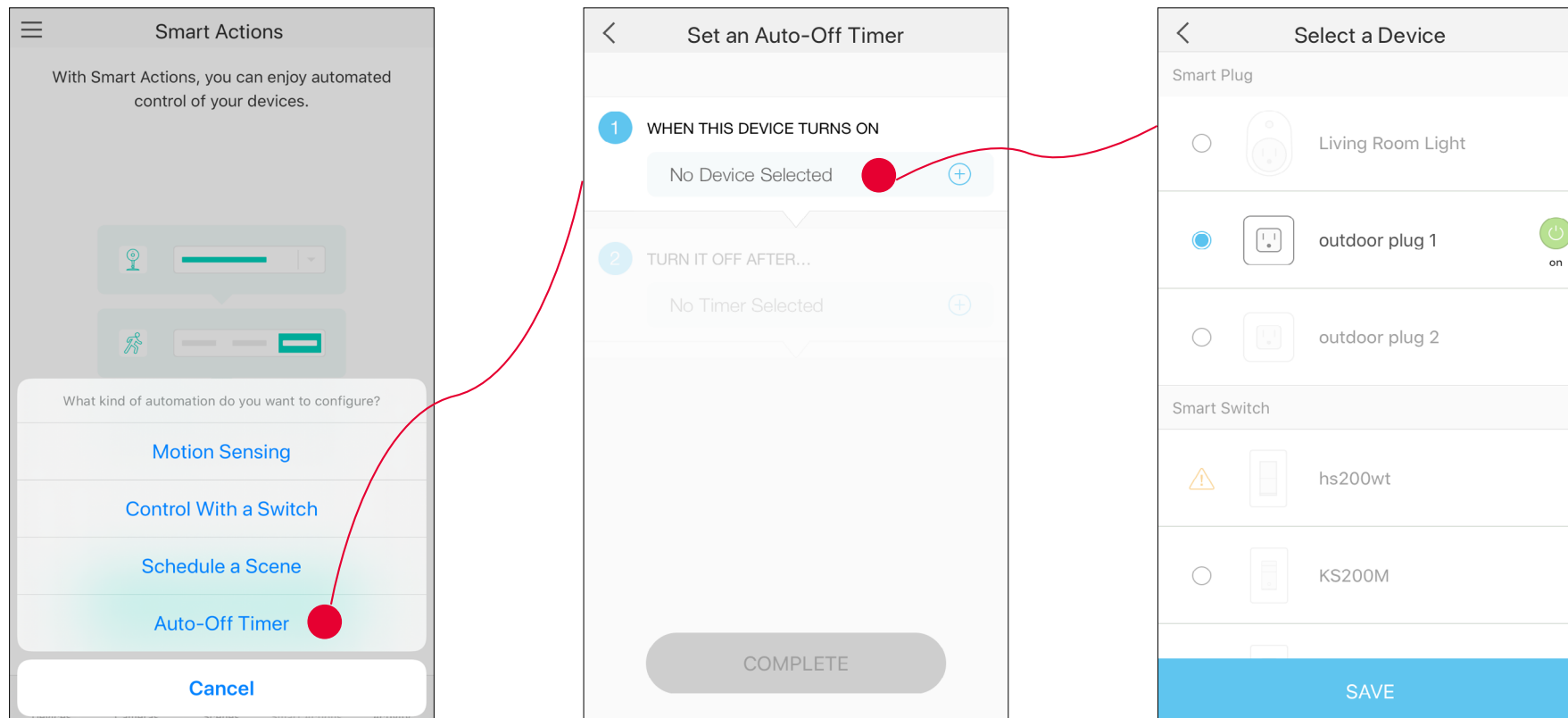
5. Now Your Smart Action is created successfully and displayed in the Smart Actions list.



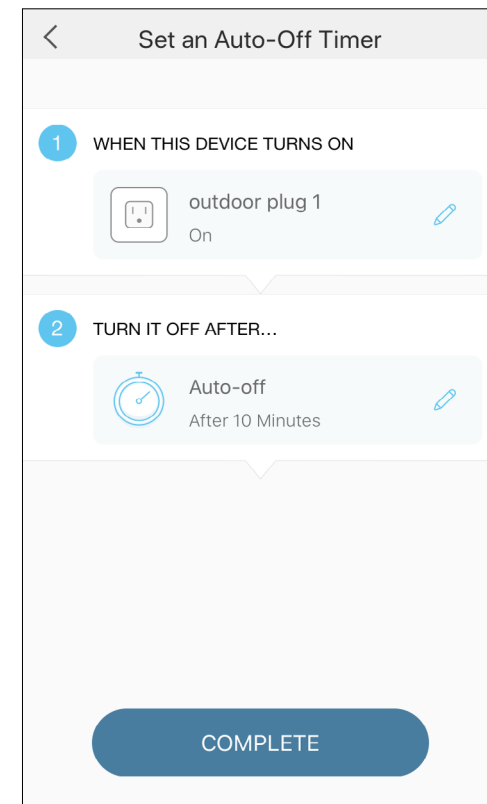
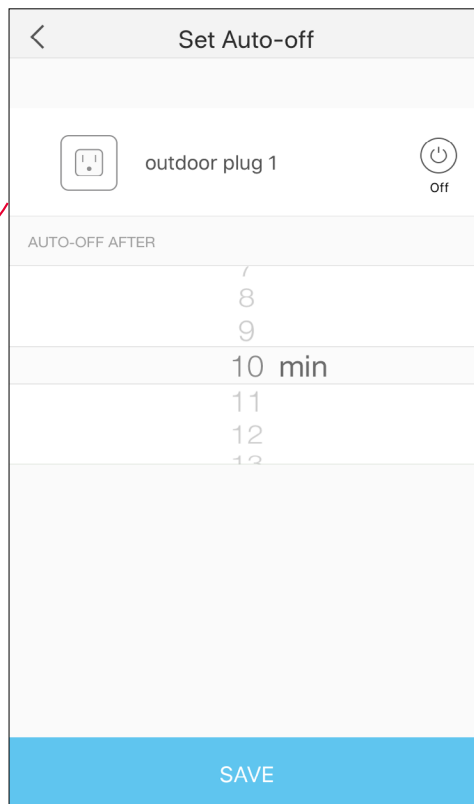
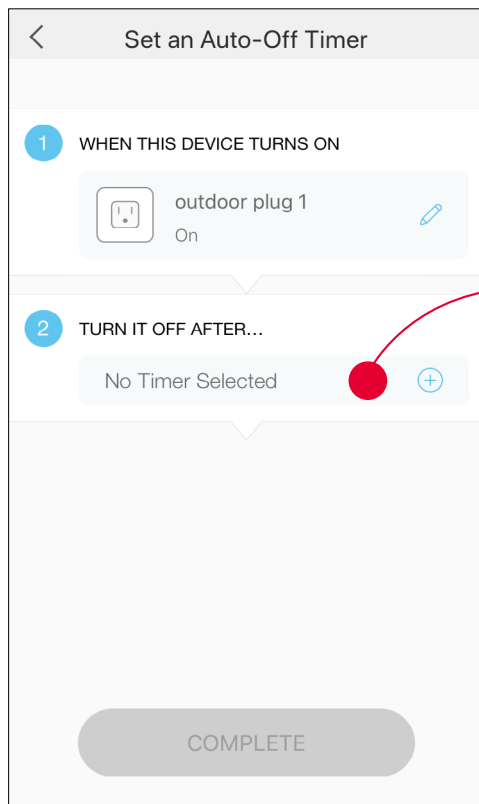
4. Configure Auto-Off Timer

E.g. I want to turn off my outdoor light after 30 minutes when it is turned on.

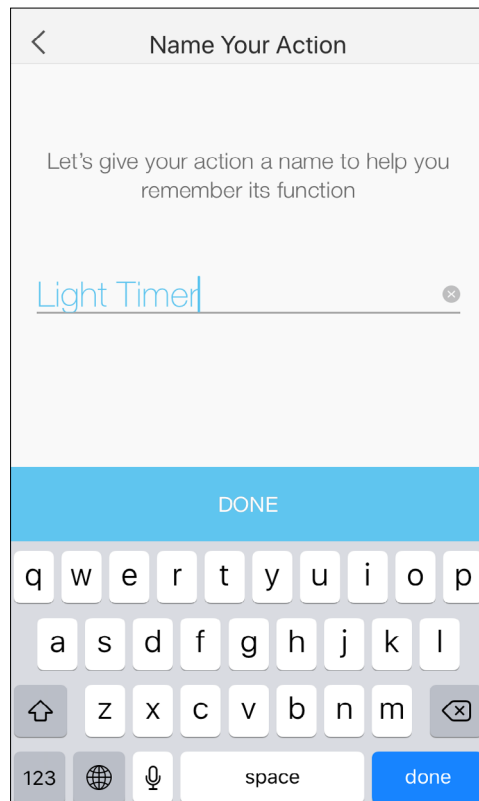
1. Tap [Auto-Off Timer](#) then select an outlet your Smart Outdoor Plug.



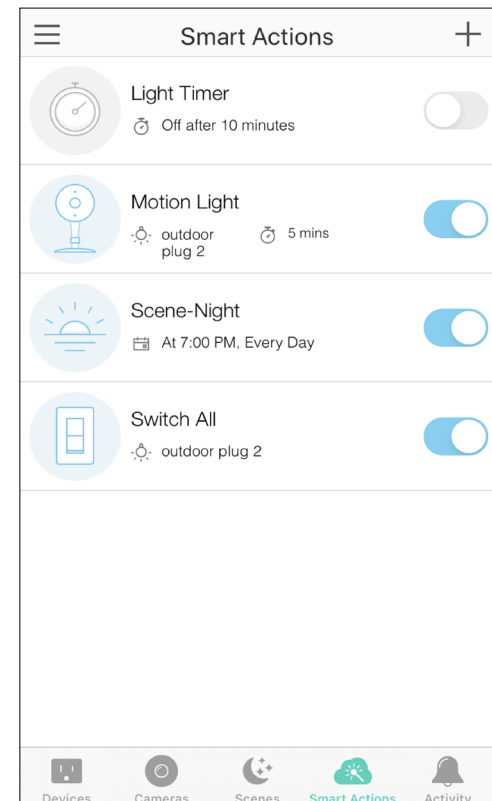
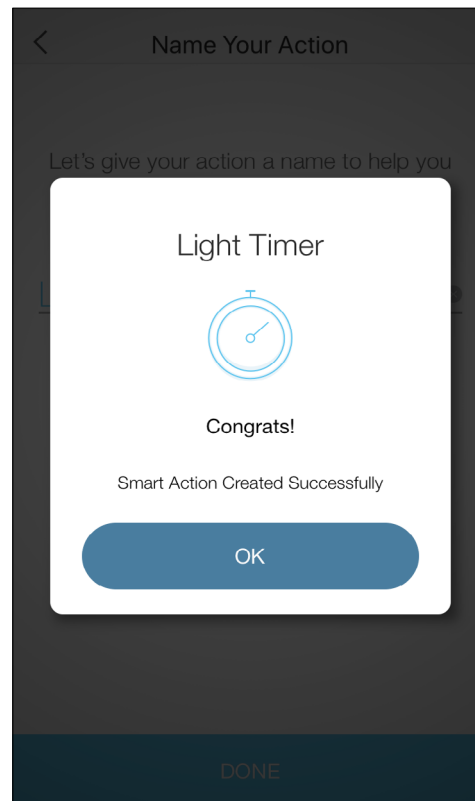
2. Set the time.



3. Name your action for easy identification.



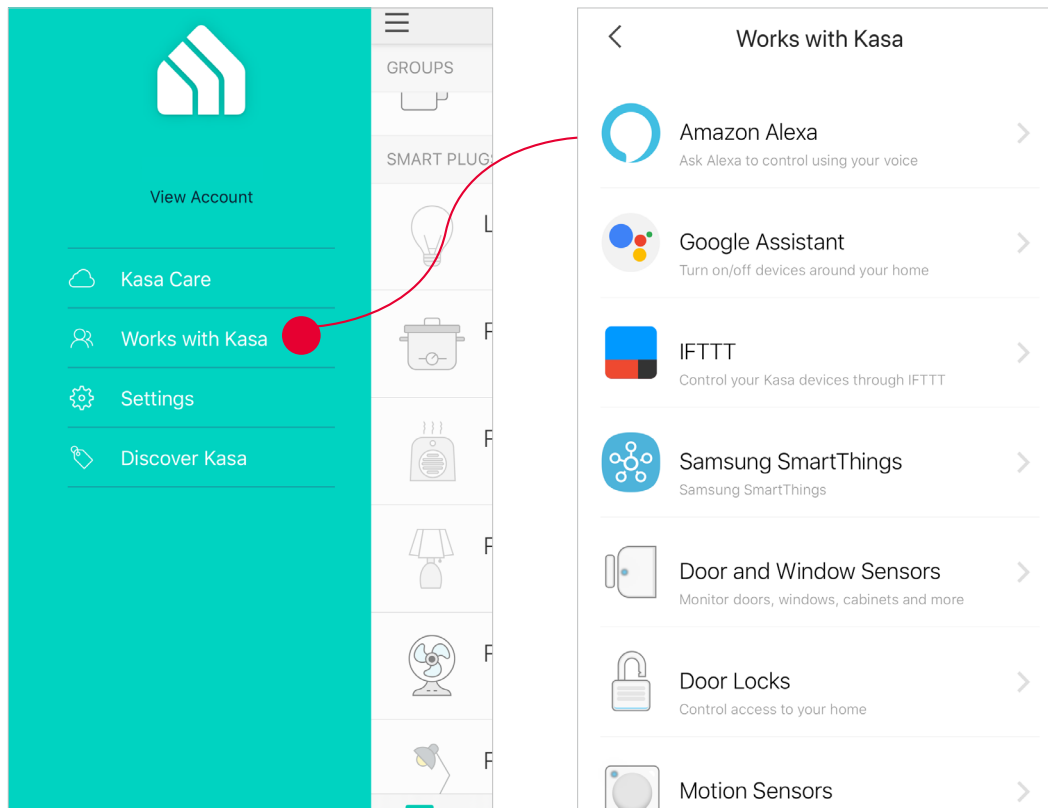
4. The Smart Action is created successfully and displayed in the Smart Actions list.



Voice & Third-Party Support

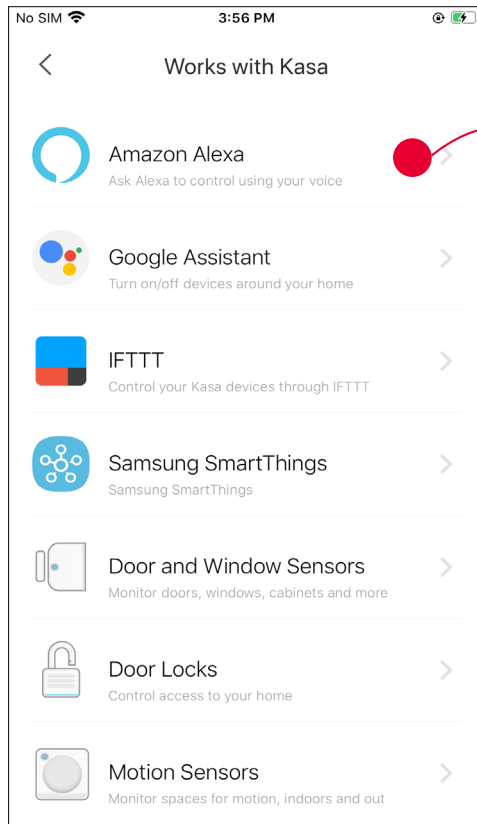
Use the Kasa Smart app to pair your Smart Outdoor Plug with Amazon Alexa or Google Home Assistant, and enjoy a full hands-free experience. Kasa helps manage the rest of your smart home too, working with Samsung SmartThings to trigger changes when you arrive home or leave for the day.

Launch the **Kasa Smart** app. Go to the sidebar and tap **Works with Kasa**. You can choose [Amazon Alexa](#) / [Google Assistant](#) / [IFTTT](#) / [Samsung SmartThings](#) for detailed instructions.

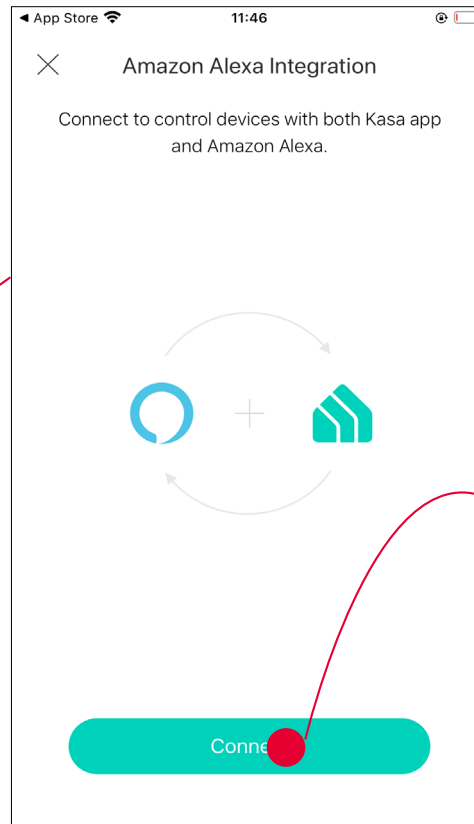


1. Set up Amazon Alexa

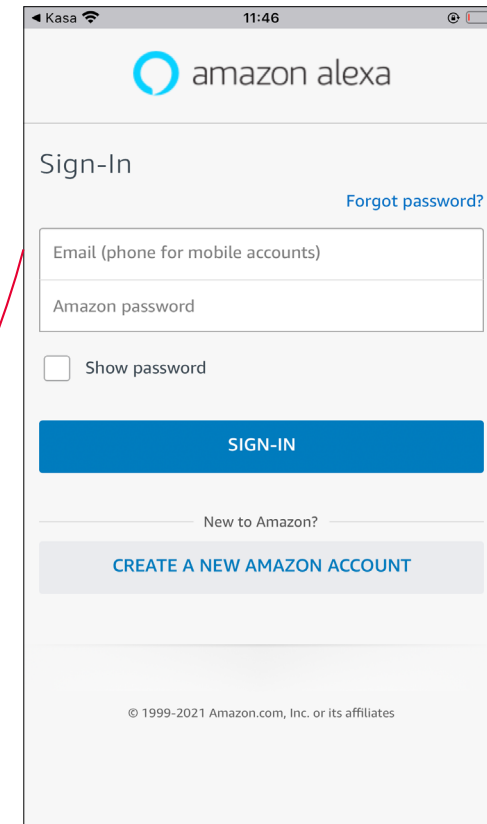
1. Tap [Amazon Alexa](#).



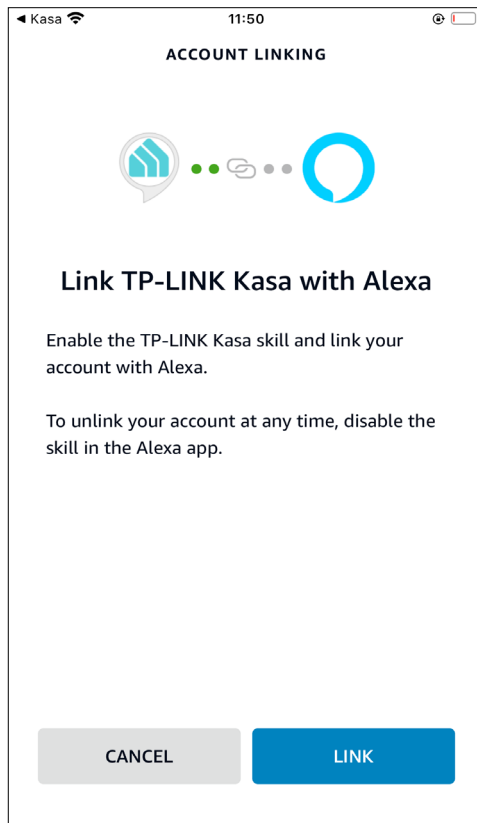
2. Tap [Connect](#).



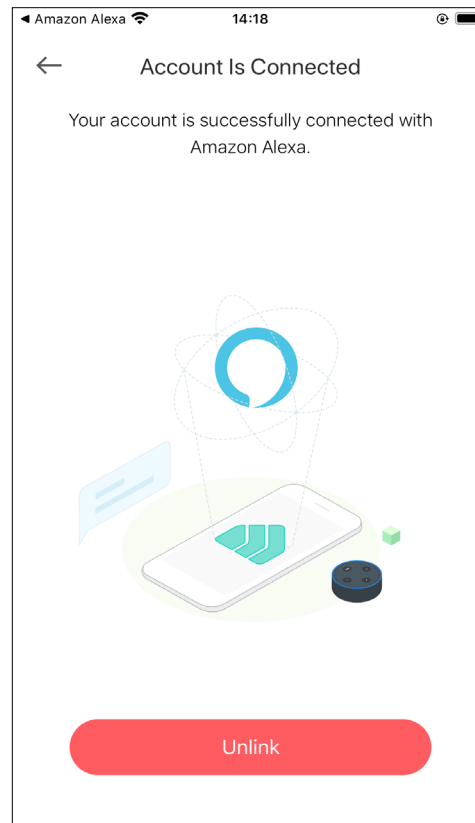
3. Sign in with your amazon account.



3. After sign-in, tap [LINK](#).



4. Your TP-Link ID has been successfully linked with your amazon account. You can use Alexa voice commands to control your Smart Outdoor Plug.

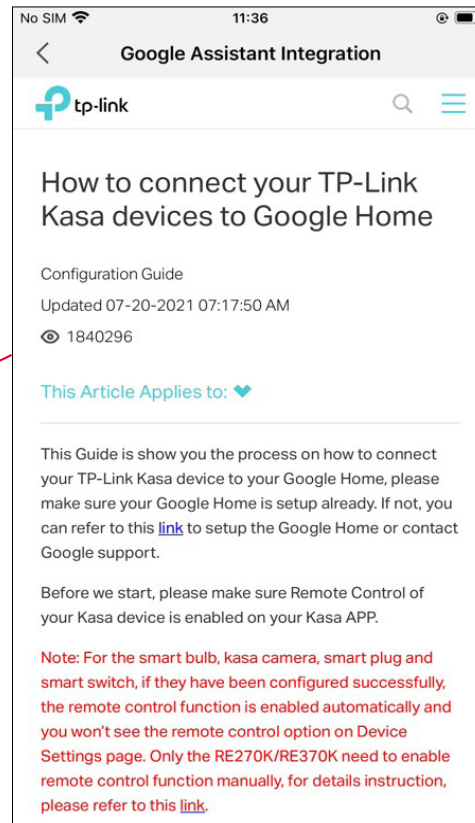
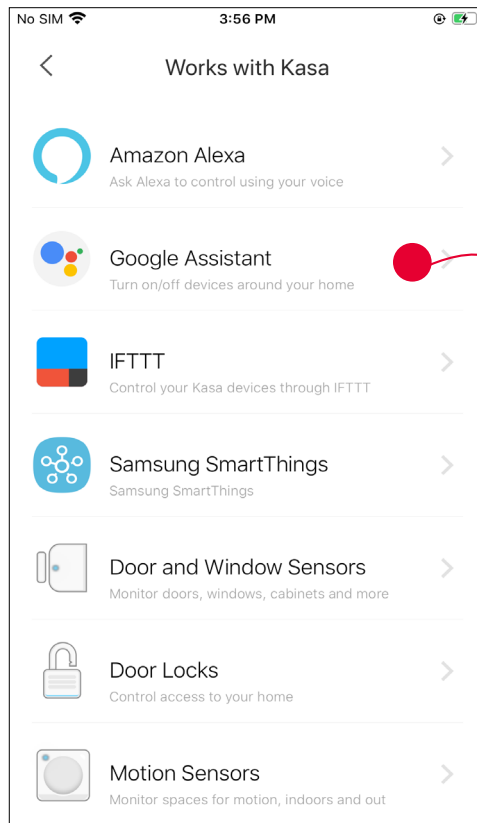


2. Set up Google Assistant

1. Tap [Google Assistant](#).

2. Follow instructions to connect your device to your Google Home.

Or find the FAQ at <https://www.tp-link.com/en/support/faq/1534/>.



Authentication

FCC Compliance Information Statement



Product Name: Kasa Smart Wi-Fi Outdoor Plug

Model Number: EP40

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 6804

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:

- 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: 2021-11-09

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)

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。
- 不要私自拆開機殼或自行維修，如產品有故障請與原廠或代理商聯繫。

限用物質含有情況標示聲明書

設備名稱： Equipment name Kasa Smart Wi-Fi Outdoor Plug		型號（型式）： Type designation (Type) EP40				
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 %” 係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. “○” 係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: “○” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.

備考 3. “—” 係指該項限用物質為排除項目。

Note 3: The “—” indicates that the restricted substance corresponds to the exemption.

Safety Information

- Do not attempt to disassemble, repair, or modify the device.
- Do not use the device where wireless devices are not allowed.
- Operating Temperature: -20°C~50°C (-4°F~122°F)
- Operating Humidity: 10%~90%RH, Non-condensing
- Storage Humidity: 5%~90%RH, Non-condensing
- For outdoor usage, use this product with ground fault circuit interrupter (GFCI) outlet.
- Risk of electric shock. Do not open. No user serviceable parts inside.
- Refer servicing to qualified service personnel.
- Keep the device away from fire or hot environments. DO NOT immerse in water or any other liquid.
- For passthrough devices, plug the power strips into the integrated electrical sockets of the devices, but devices of the same or another type not be stacked in normal use.



CAUTION


Electronic switch integrated in this product is only intended for functional purposes. Unplug the appliance before servicing.


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.

WARNING

- Timer could turn-on unexpectedly without the user being present. To Reduce the Hazardous Condition – Unplug the appliance that is plugged into the receptacle(s) controlled by the timer before servicing.
- Risk of Electric Shock. Do not plug into another relocatable power tap or an extension cord.
- When plugged into grounded 3-prong outlet , always ensure that the housing is facing downward and is at least 2 feet off the ground . Use the plug's mounting tag to hang from a screw to ensure correct orientation.
- DO NOT expose to heavy rain or immerse in water or any other liquid.
- DO NOT remove ground pin (middle pin) or use with 3-to 2-prong adapter.
- DO NOT use with devices that should not be operated unattended , such as power tools.
- DO NOT use in precision timing applications where inaccurate timing could be dangerous(sunlamps , Saunas , etc).
- Keep children away from smart plug and outlet.
- No Serviceable parts inside. DO NOT open or tamper with unit.
- Do not discard the stopper, the plug should be covered when the socket is not in use.
- Remove smart plug from outlet before cleaning.
- DO NOT clean with liquid.
- DO NOT exceed the recommended electrical ratings.
- Refer servicing to qualified service personnel.

Explanation of the symbols on the product label

Symbol	Explanation
	AC voltage

Symbol	Explanation
	<p>RECYCLING</p> <p>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.</p> <p>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.</p>