User Guide

Kasa Smart Wi-Fi Light Switch

KS230 KIT

Contents

About This Guide

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

Features available in Kasa Smart may vary by model and software version. Kasa Smart 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 Kasa Smart 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.

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.

- A TP-Link Community is provided for you to discuss our products at https://community.tp-link.com.

- Frequently Asked Questions (FAQs) can be found at https://www.tp-link.com/support/faq/.

Introduction

With the Smart Wi-Fi Dimmer, you can control the ambiance of any space with the push of a button. Download the Kasa Smart app and control your dimmer remotely. The Kasa Smart app provides easy step-by-step installation instructions and convenient remote control from anywhere.

- **Brightness Control** - Control the brightness of your lights to set the perfect ambiance for any activity

- **Control Your Lights From Anywhere** - Control your dimmer from wherever you are with the free Kasa app

- **Hands-free Experience** - Control your lights by voice commands through support from Amazon Alexa and Google Assistant

- **No Hub Required -** Work with a 2.4GHz Wi-Fi network, no need for a hub or extra equipment.

- **Scheduling** - Program lights to turn off and on at set times throughout the day or night

Phone not included;
Works with iOS and Android

Set Up Your Smart Dimmer

Follow the steps below to set up your Smart Dimmer via Kasa Smart app.
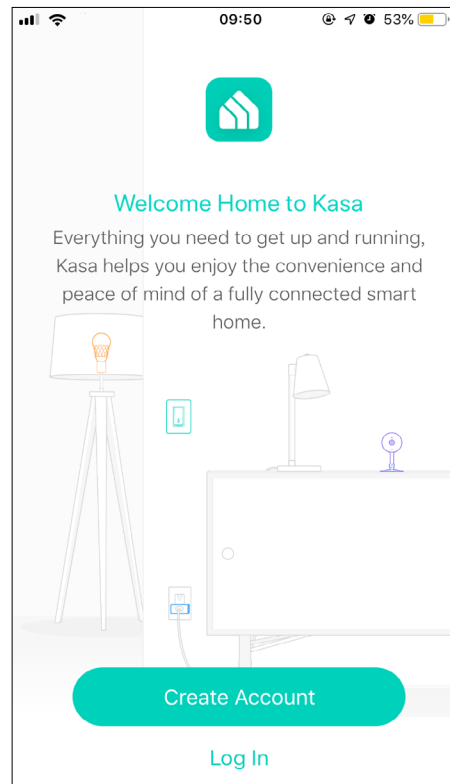
1. Download and install Kasa app

Go to Google Play or the App Store or scan the QR code below to download the Kasa Smart app on your Android or iOS smartphone or tablet.
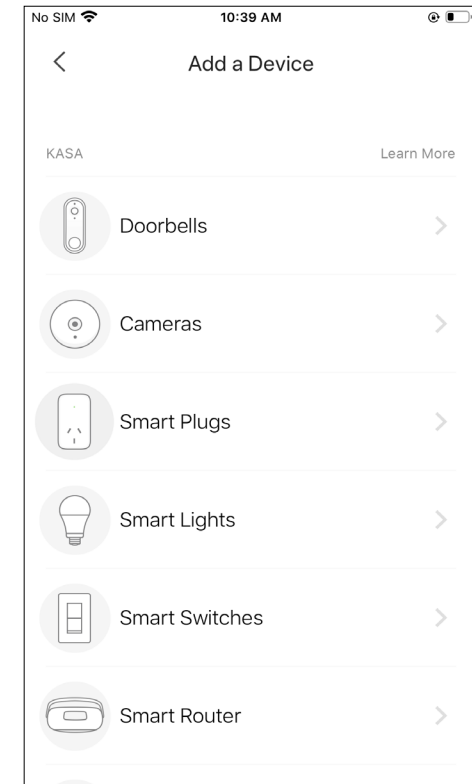
2. Log in or sign up with TP-Link ID

Open the app. Use your TP-Link ID to log in.

If you don't have a TP-Link ID, tap Create Account and the Kasa app will guide you through the rest.

4. Install and set up

Tap the ⊕ button in the app. Follow the app instructions to wire your Smart Dimmer and then set up your Smart Dimmer.
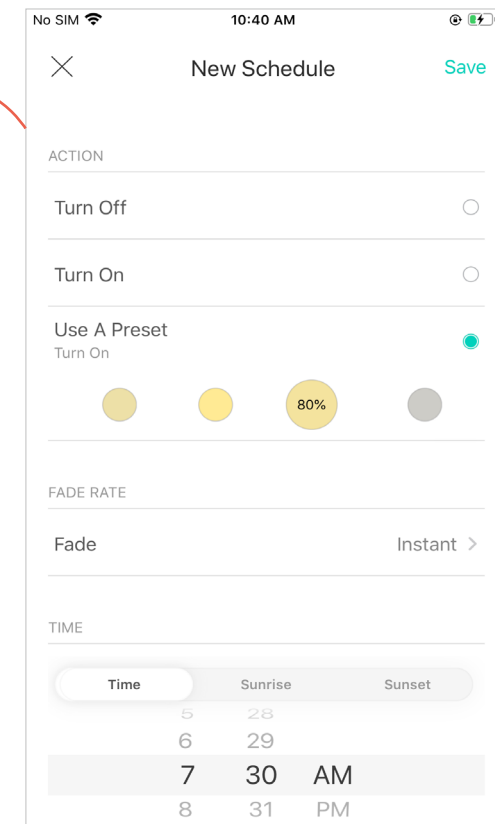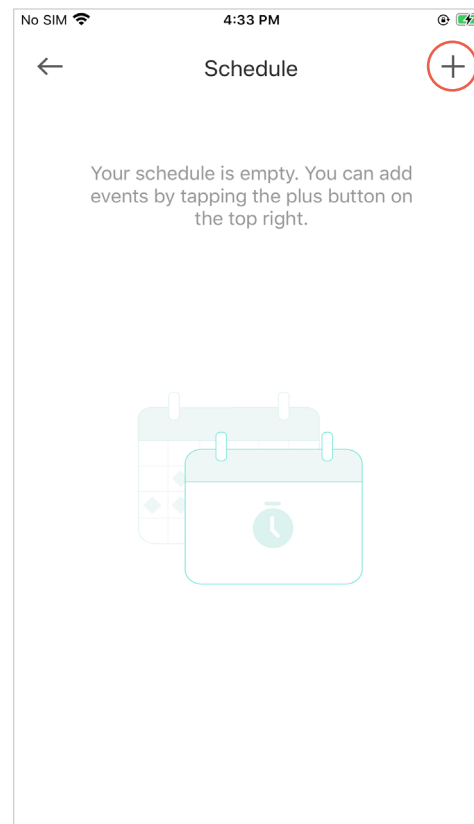
Set Schedules

Schedule: Set schedules to automatically turn on/off the light or apply a preset at set times according to your daily routine.

1. Tap your Smart Dimmer in the Home page, and then tap 📅 .
Schedule

2. Tap + on the top right corner.

3. Set a schedule to turn the light on or off, or apply a specific preset effect.

e.g. I want to turn on the light using the preset of 80% brightness.

No SIM 📶   4:33 PM   🔋

←   **Schedule**   +

Your schedule is empty. You can add events by tapping the plus button on the top right.

No SIM 📶   10:40 AM   🔋

✕   New Schedule   Save

ACTION

Turn Off   ○

Turn On   ○

Use A Preset   ●
Turn On

80%

FADE RATE

Fade   Instant ›

TIME

Time	Sunrise	Sunset

5   28
6   29
7   30   AM
8   31   PM

4. Set the fade rate, i.e. how long you want your light to fade in or fade out after your schedule starts.
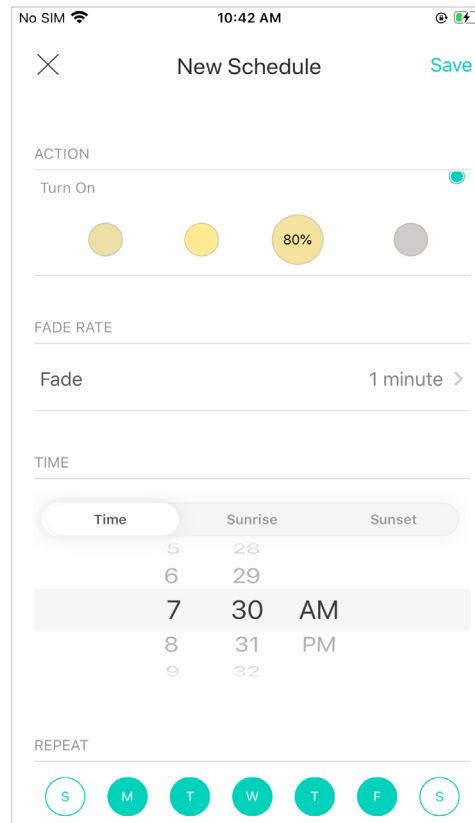
**e.g.** I want the light to slowly turn on in 1 minute.

No SIM 🛜	10:42 AM ⏀ 🔋

← **Fade Rate**

Select how long you would like your lights to fade in or fade out after your schedule starts.

Instant ◯

5 seconds ◯

15 seconds ◯

30 seconds ◯

1 minute ⦿

5 minutes ◯

10 minutes ◯

15 minutes ◯

30 minutes ◯

45 minutes ◯
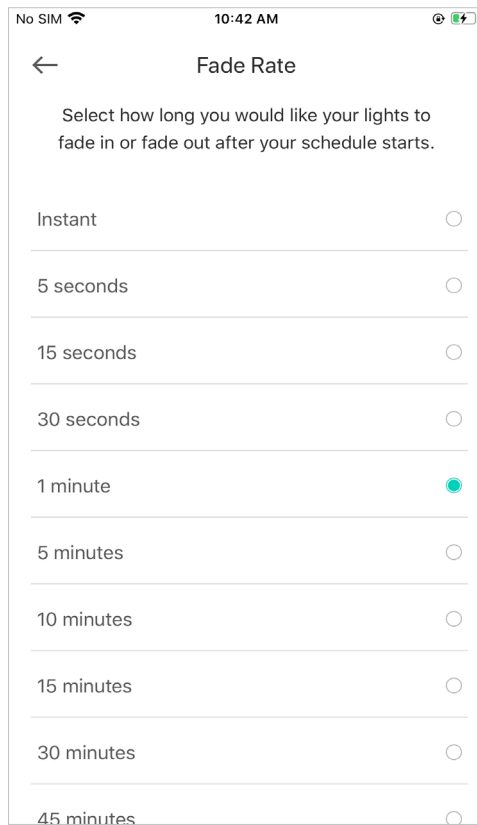
5. Set the time and frequency for your schedule.

e.g. I want to use the preset at 7:30 AM every weekday.

No SIM 🛜   10:42 AM   ⏀ 🔋

✕   **New Schedule**   Save

ACTION

Turn On

◯   ◯   **80%**   ◯

FADE RATE

Fade   1 minute ›

TIME

Time	Sunrise	Sunset
5	28	
6	29	
7	**30**	**AM**
8	31	PM
9	32	

REPEAT

S   **M**   **T**   **W**   **T**   **F**   S

6. You can see the schedule you set at the Schedule page. You can also turn it off any time.

No SIM 🛜   10:42 AM   ⏀ 🔋

←   **Schedule**   +

🌙 **7:30** am   ⬤
80%   S **M T W T F** S

5
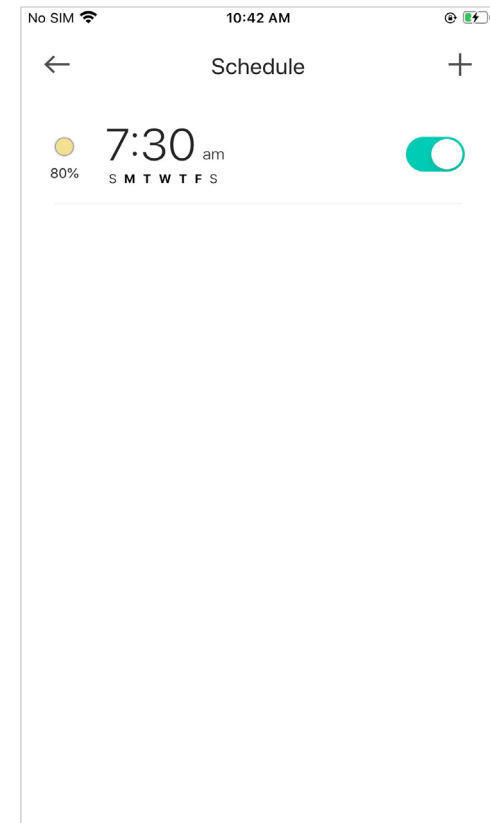
Set Timer

Timer: Set the timer for your Smart Dimmer to automatically turn on/off after the time ends.

1. Tap your Smart Dimmer in the Home page, and then tap ⏱ Timer.

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

For example, when I turn on the light, I want it to be off after 30 minutes.

2. Tap START and you'll see the timer is counting down. Tap STOP to stop the Timer at any time.
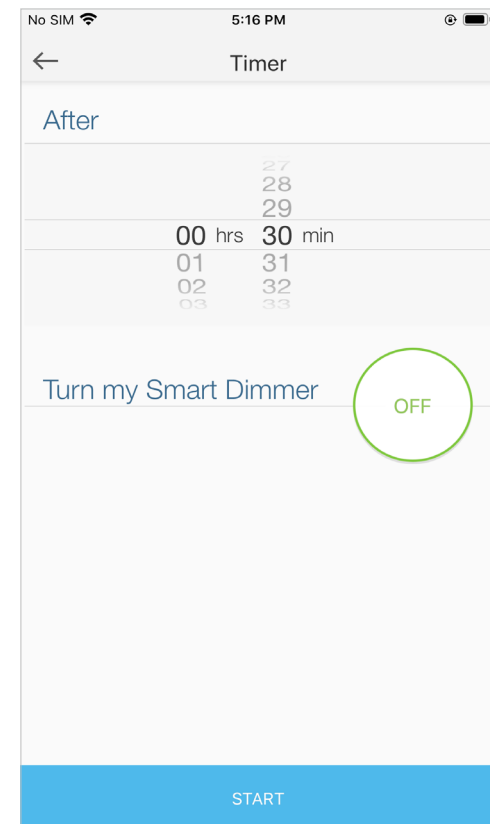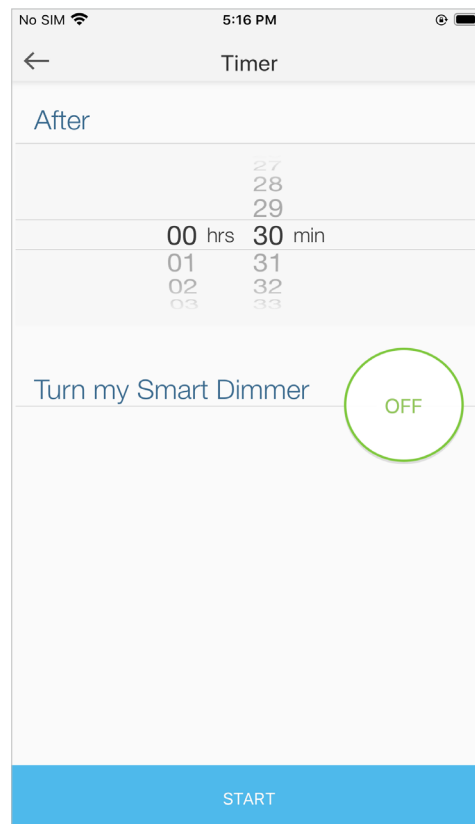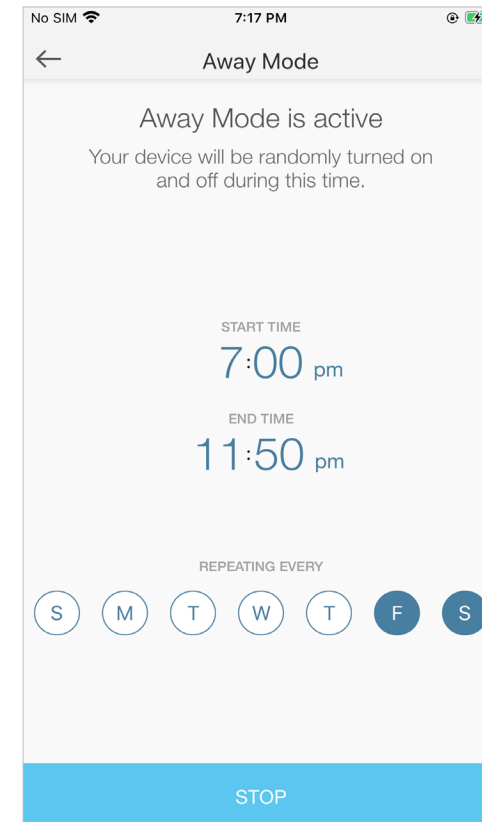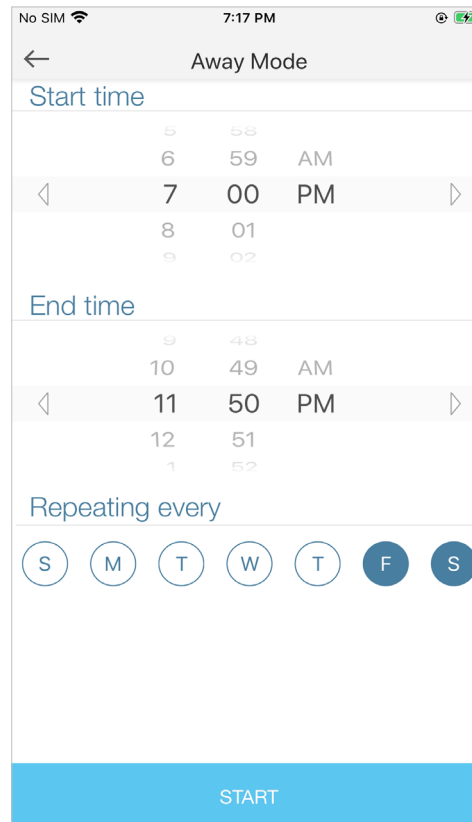
Set Away Mode

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

1. Tap your Smart Dimmer in the Home page, and then tap [icon] .

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

e.g. I want the light to turn on and off between 7:00 PM to 11:50 PM every Friday and Saturday.

No SIM 📶   7:17 PM   ⊕ 🔋
← Away Mode

Start time
```
   5      58
   6      59     AM
◁  7      00     PM  ▷
   8      01
   9      02
```

End time
```
   9      48
  10      49     AM
◁ 11      50     PM  ▷
  12      51
   1      52
```

Repeating every
(S) (M) (T) (W) (T) **F** **S**

START

No SIM 📶   7:17 PM   ⊕ 🔋
← Away Mode

Away Mode is active
Your device will be randomly turned on and off during this time.

START TIME
7:00 pm

END TIME
11:50 pm

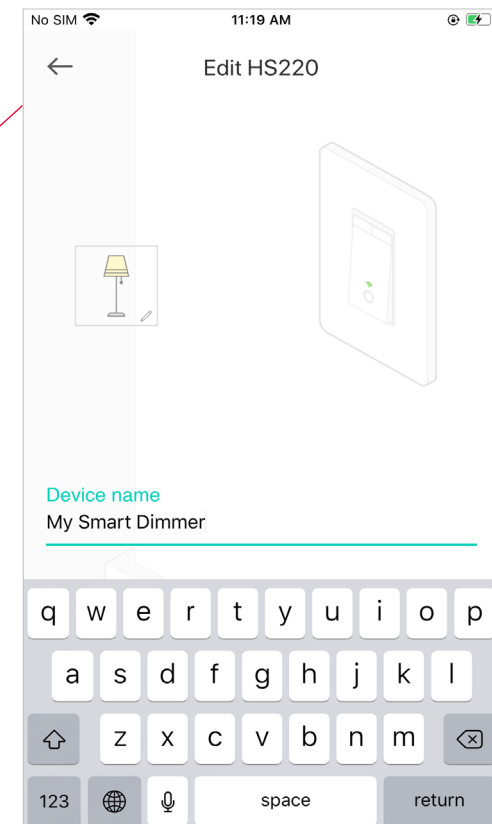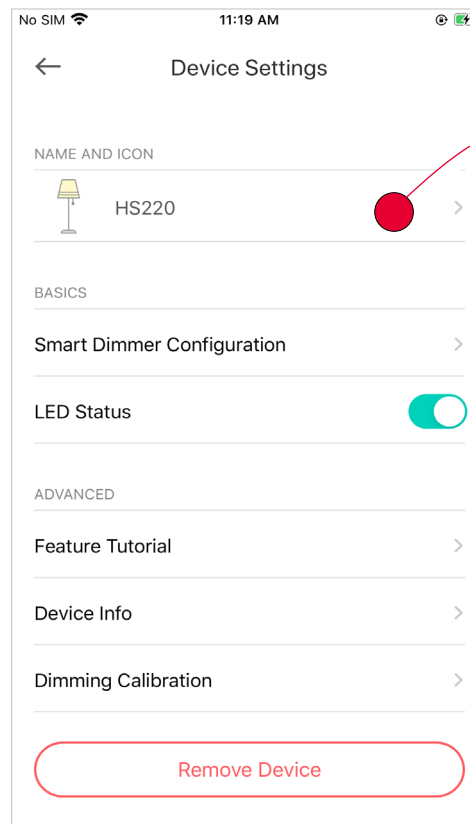REPEATING EVERY
(S) (M) (T) (W) (T) **F** **S**

STOP

Manage Device Settings

You can edit the device settings here.

Edit Name & Icon

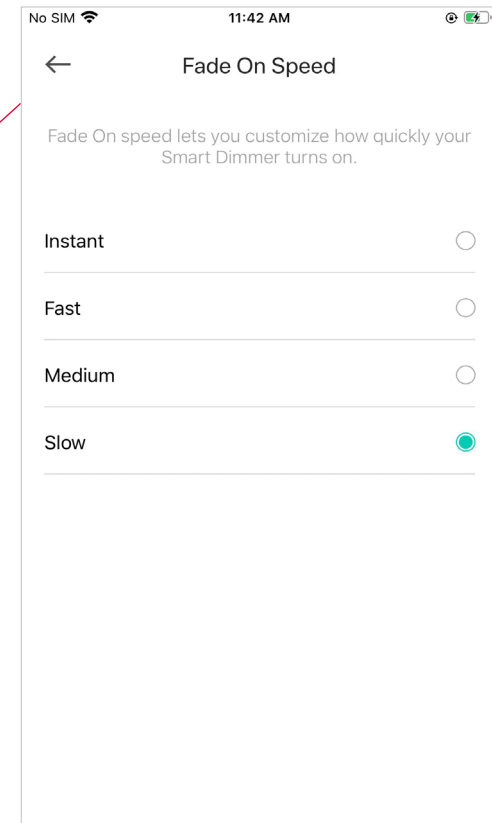1. Tap your Smart Dimmer in the Home page and then tap ⚙ .

2. Change the name and icon of your switch.

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Smart Dimmer Configuration

1. Tap Smart Dimmer Configuration in the Device Settings page.

2. Set the Fade On Speed / Fade Off Speed which decides how quickly your Smart Dimmer turns on.

No SIM 🔋	11:19 AM	🔋

← Device Settings

NAME AND ICON

🛋 HS220 ›

BASICS

Smart Dimmer Configuration ›

LED Status ⬤

ADVANCED

Feature Tutorial ›

Device Info ›

Dimming Calibration ›

Remove Device

No SIM 🔋	11:20 AM	🔋

← Smart Dimmer Configuration

TAP

Fade On Speed ›

Fade Off Speed ›

DOUBLE TAP AND LONG PRESS

Double Tap None ›

Long Press Preset ›

No SIM 🔋	11:42 AM	🔋

← Fade On Speed

Fade On speed lets you customize how quickly your Smart Dimmer turns on.

Instant ○

Fast ○

Medium ○

Slow ⦿

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3. Set the effects for Double Tap, i.e., what effect you want when you double tap your Smart Dimmer.

e.g. I want my light to turn on/off slowly when I double tap my Smart Dimmer.

Then you can set the time for gentle on and gentle off.

No SIM	11:42 AM	
←	Smart Dimmer Configuration	
TAP		
Fade On Speed		Slow >
Fade Off Speed		Medium >
DOUBLE TAP AND LONG PRESS		
Double Tap		None >
Long Press		None >

No SIM	11:42 AM	
←	Double Tap	

When you double tap your Smart Dimmer, choose the action you want.

None	○
Instant On/Off	○
Gentle On/Off	◉
Preset	○

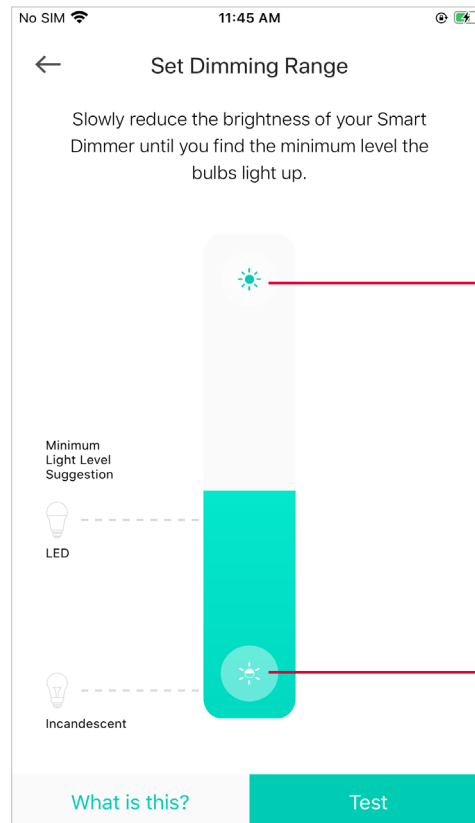| No SIM	11:43 AM	
←	Smart Dimmer Configuration	
TAP		
Fade On Speed		Slow >
Fade Off Speed		Medium >
DOUBLE TAP AND LONG PRESS		
Double Tap		Gentle On/Off >
Long Press		None >
Gentle On		2 min 30 sec >
Gentle Off		3 min 30 sec >

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3. Set the effects for Long Press, i.e., what effect you want when you long press your Smart Dimmer.

e.g. I want my light to apply the preset of 80% brightness when I long press my Smart Dimmer.

No SIM	11:43 AM	
←	Smart Dimmer Configuration	

TAP

Fade On Speed	Slow >
Fade Off Speed	Medium >

DOUBLE TAP AND LONG PRESS

Double Tap	Gentle On/Off >
Long Press	None >
Gentle On	2 min 30 sec >
Gentle Off	3 min 30 sec >

No SIM	11:44 AM	
←	Long Press	

When you long press your Smart Dimmer, choose the action you want.

None	○
Instant On/Off	○
Gentle On/Off	○
Preset	◉

PRESETS

66%	○
100%	○
80%	◉
5%	○
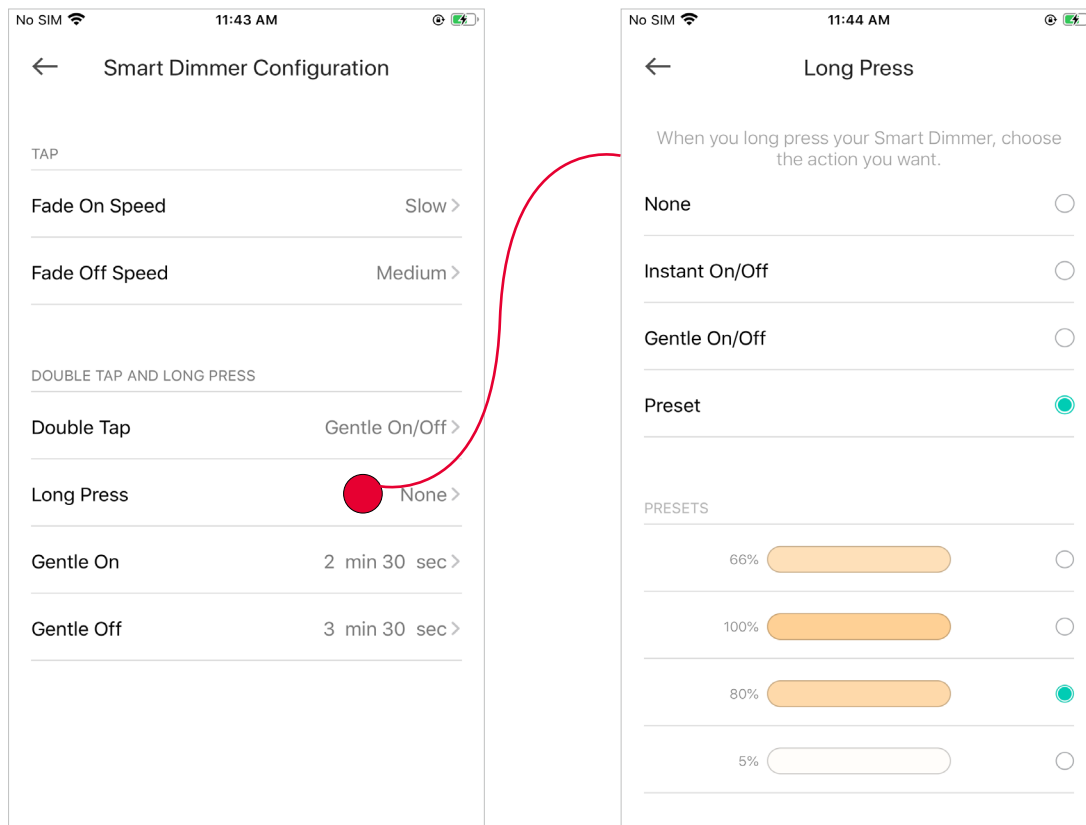
Dimming Calibration

1. Tap Dimming Calibration in the Device Settings page.

2. Set the dimming range for your Smart Dimmer. You can tap Test to help you find the proper minimum level of brightness by dimming up / down the brightness and checking if the light flickers.

No SIM 📶   11:45 AM   ⊕ 🔋

←   Set Dimming Range

Slowly reduce the brightness of your Smart Dimmer until you find the minimum level the bulbs light up.

Minimum
Light Level
Suggestion

LED

Incandescent

What is this?   Test

Tap to increase the brightness.

Tap to decrease the brightness.

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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. To create a scene with your Smart Light Switch, you need other Kasa smart devices, a smart plug for example.

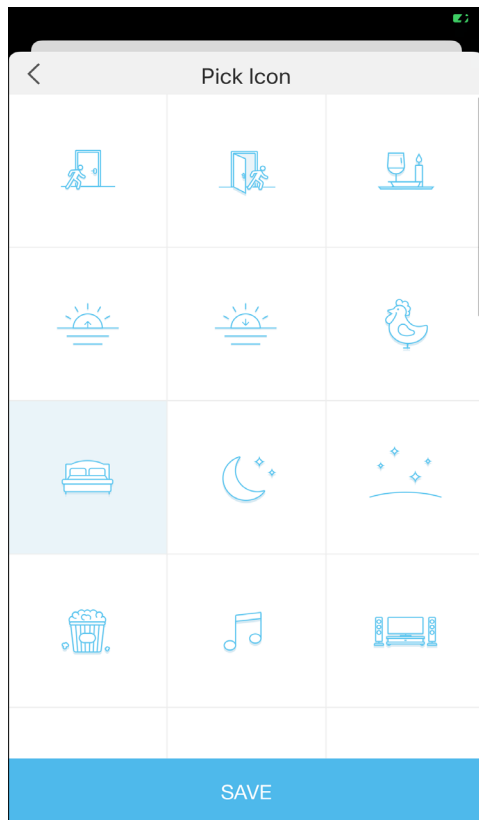1. Tap 🌙 at the bottom, then tap + at the top right corner.

2. Select a scene or create your own scene.

For example: I want to turn on the light and the the speaker simultaneously in the morning with just a tap in the Kasa Smart app .
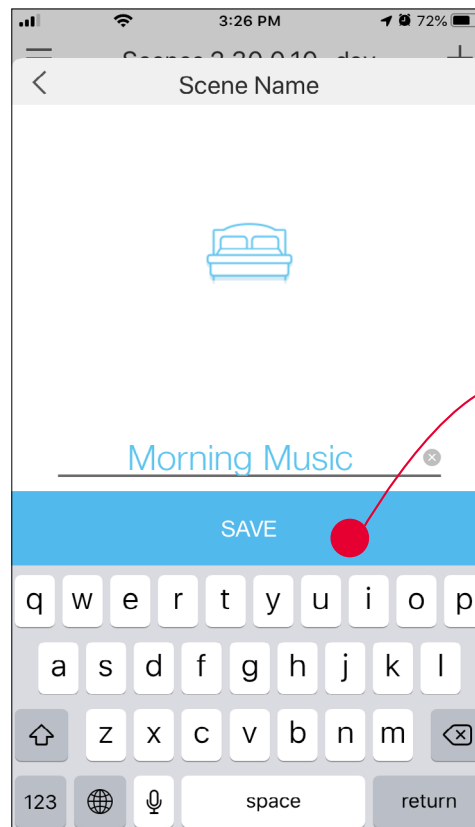
3. Select devices for the scene to work on and set their status respectively.
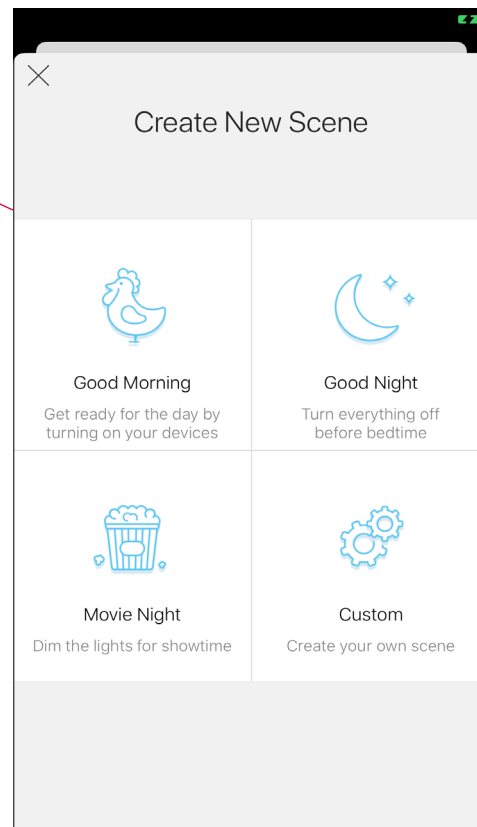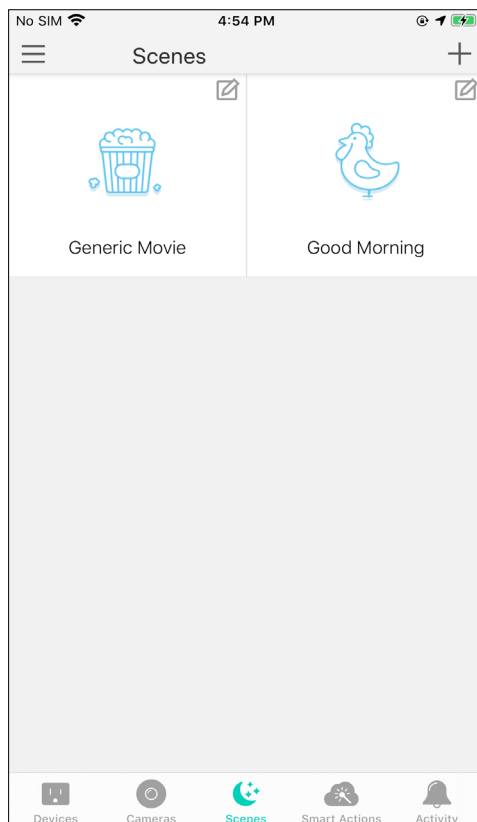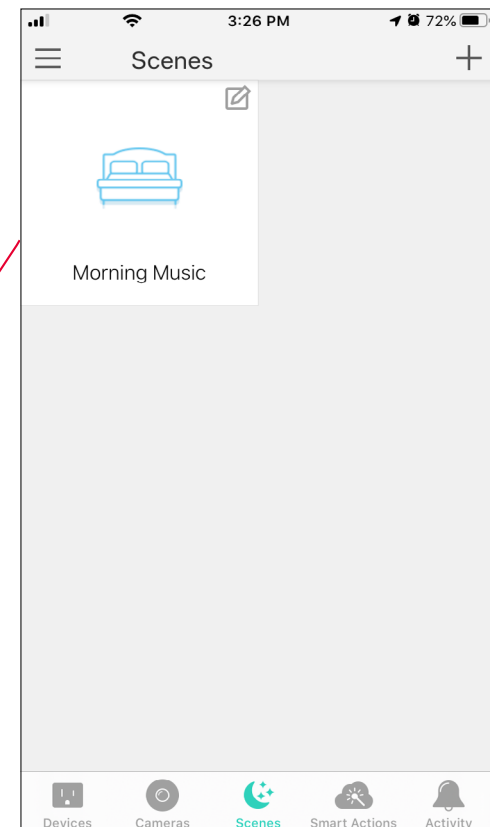
4. Pick an icon for your scene.

5. Name your scene.

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

Pick Icon

SAVE

3:26 PM

Scene Name

Morning Music

SAVE

q w e r t y u i o p
a s d f g h j k l
z x c v b n m

123 space return

3:26 PM

Scenes

Morning Music

Devices   Cameras   Scenes   Smart Actions   Activity

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Smart Actions

Smart Actions is a function provided 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.

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

2. Select an automation type for your Smart Actions.
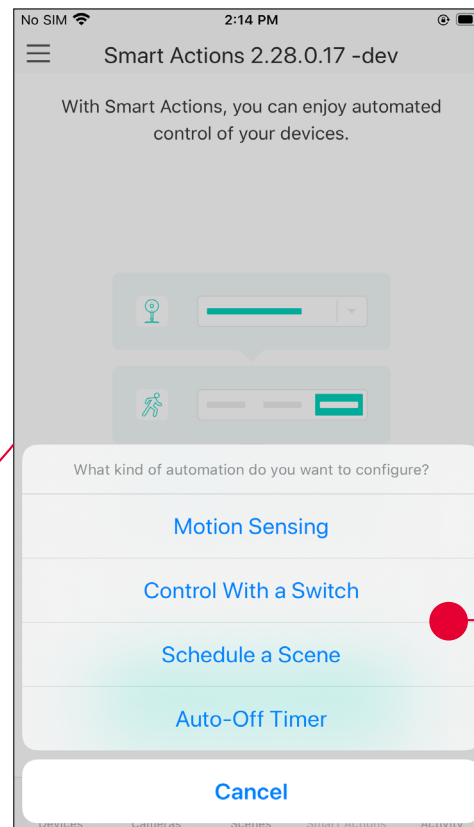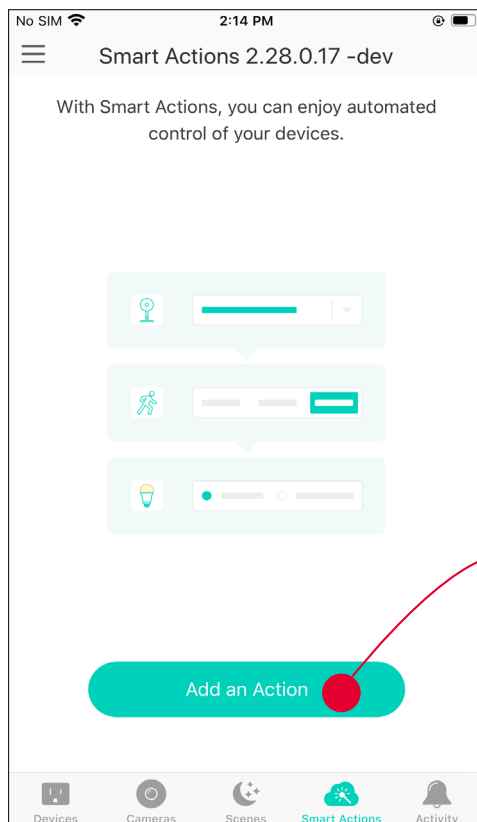
Motion Sensing: Take actions when a Kasa camera senses a motion.

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

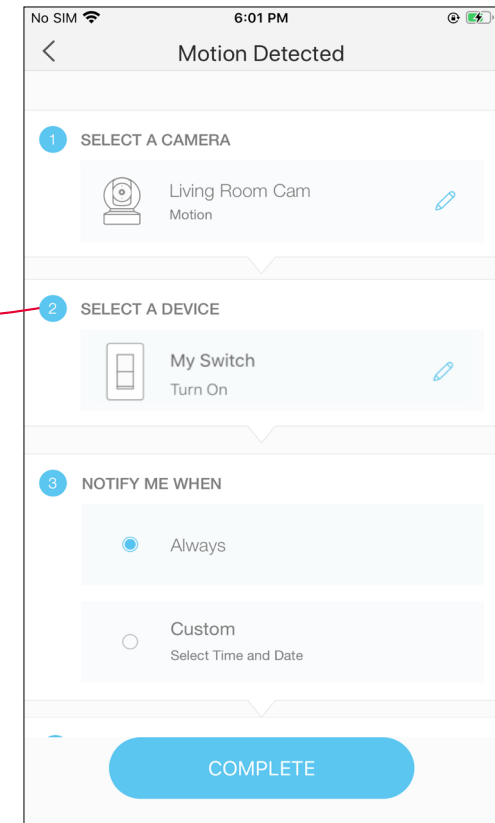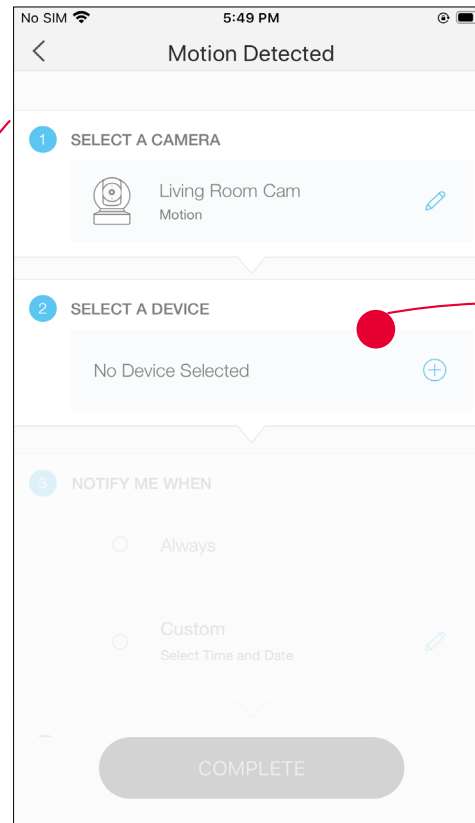Schedule a Scene: Schedule a "Scene" to be turned on automatically at the time specified.

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 light on when my Kasa camera senses a motion.

1. Tap Motion Sensing then select a camera.

2. Select your Smart Light Switch.

No SIM   2:14 PM

Smart Actions 2.28.0.17 -dev

With Smart Actions, you can enjoy automated control of your devices.

What kind of automation do you want to configure?

Motion Sensing

Control With a Switch

Schedule a Scene

Auto-Off Timer

Cancel

No SIM   5:49 PM

Motion Detected

1   SELECT A CAMERA

Living Room Cam
Motion

2   SELECT A DEVICE

No Device Selected   +

3   NOTIFY ME WHEN

Always

Custom
Select Time and Date

COMPLETE

No SIM   6:01 PM

Motion Detected

1   SELECT A CAMERA

Living Room Cam
Motion

2   SELECT A DEVICE

My Switch
Turn On

3   NOTIFY ME WHEN

Always

Custom
Select Time and Date

COMPLETE

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3. Set the time when you want the action to run. You can choose Always or tap Custom to choose time according to your needs.

For example: I want the motion to trigger the light on from 11:00 PM to 7:00 AM every day.

Screen 1 (6:01 PM) — Motion Detected

1 SELECT A CAMERA
- Living Room Cam
- Motion

2 SELECT A DEVICE
- My Switch
- Turn On

3 NOTIFY ME WHEN
- ◉ Always
- ○ Custom
  Select Time and Date

COMPLETE

Screen 2 (6:03 PM) — Set a Time Range

FROM

| 9 | 58 | |
10	59	AM
11	00	PM
12	01	
1	02	

● ○ ○

TO   +1 Day

5	58	
6	59	
7	00	AM
8	01	PM
9	02	

● ○ ○

REPEATING EVERY

S M T W T F S

SAVE

Screen 3 (6:02 PM) — Motion Detected

1 SELECT A CAMERA
- Living Room Cam
- Motion

2 SELECT A DEVICE
- My Switch
- Turn On/Off

3 NOTIFY ME WHEN
- ○ Always
- ◉ 11:00 PM - 7:00 AM
  Every Weekday

COMPLETE

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4. (Optional) Set an auto-off timer then tap COMPLETE. Then your living room light will be turned off after the time you set.

5. Name your action for easy identification.
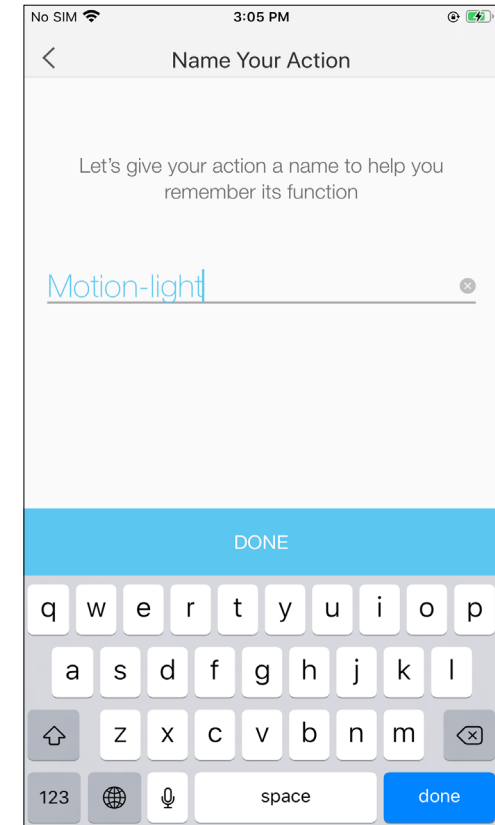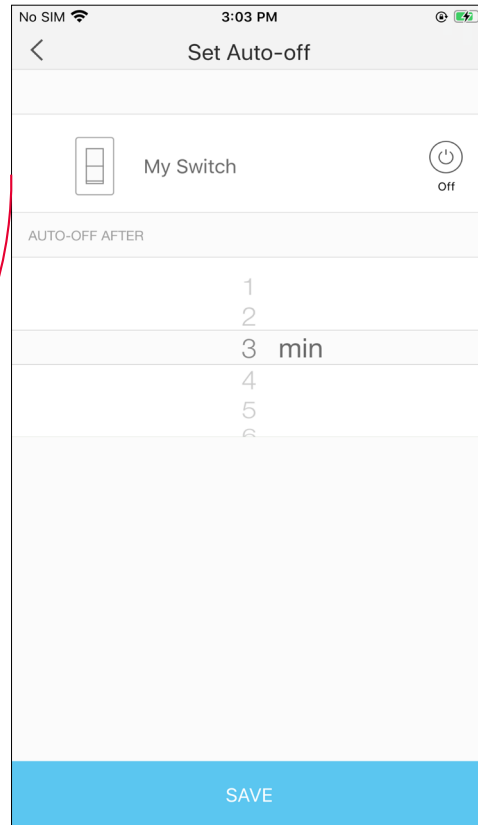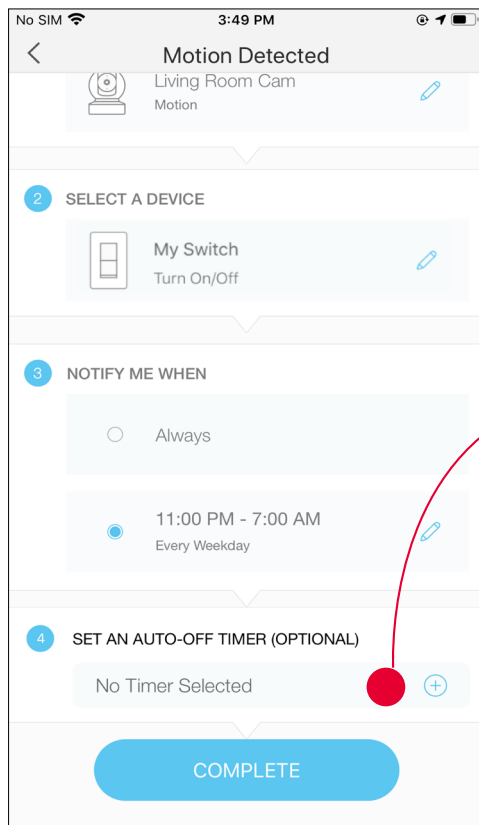
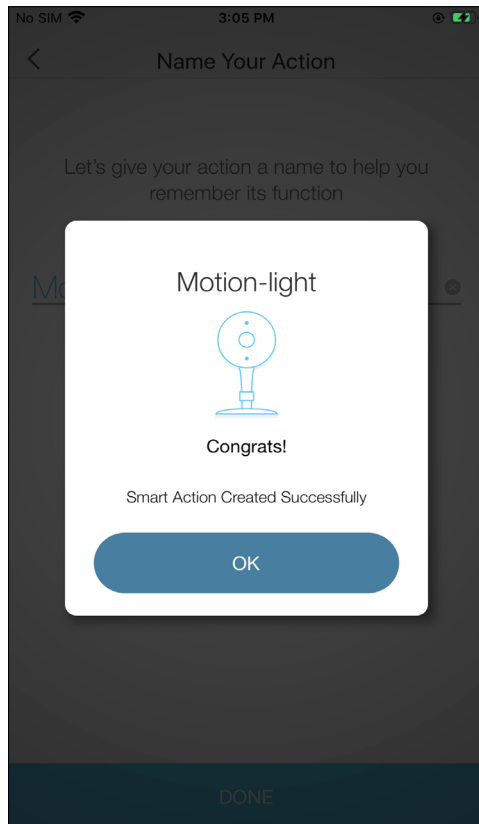6. The Smart Action is created successfully and displayed in the Smart Actions list.

2. Configure Control With a Switch if you have other Kasa smart dveices

e.g.: I want to turn on the living room light, which is plugged in my Kasa smart plug, 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 your Kasa smart plug which your living room light is plugged in.

No SIM   2:14 PM

☰   Smart Actions 2.28.0.17 -dev

With Smart Actions, you can enjoy automated control of your devices.

What kind of automation do you want to configure?

Motion Sensing

Control With a Switch

Schedule a Scene

Auto-Off Timer

Cancel

Devices   Cameras   Scenes   Smart Actions   Activity

No SIM   5:02 PM

‹   Smart Switch

① SELECT A SWITCH

No Switch Selected   ⊕

② SELECT A DEVICE OR GROUP

Nothing Selected   ⊕

COMPLETE

No SIM   5:03 PM

‹   Smart Switch

① SELECT A SWITCH

My Switch
Turn On/Off

② SELECT A DEVICE OR GROUP

My Plug-Living Room
Turn On/Off

COMPLETE