



**TP-LINK®**

User's Manual  
**HS105**



## Smart Wi-Fi Plug Mini

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## Contents

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<b>4</b>	<b>Introduction</b>
<b>4</b>	<b>Features</b>
<b>4</b>	<b>Product Requirements</b>
<b>4</b>	<b>Smart Wi-Fi Plug Mini</b>
<b>5</b>	<b>Smart Wi-Fi Plug Mini Installation</b>
<b>6</b>	<b>Using Kasa with Smart Wi-Fi Plug Mini</b>
6	Kasa Account
6	Kasa Settings
6	Customizing Smart Wi-Fi Plug Mini
7	Timer
7	Scheduling
7	Creating Scenes
8	Away Mode
9	Runtime Summary
<b>10</b>	<b>Maintaining the Smart Wi-Fi Plugs Mini</b>
10	Firmware Update
10	Resetting
<b>12</b>	<b>Troubleshooting</b>
12	Frequently Asked Questions
12	Usage Tips
12	Support
<b>13</b>	<b>Specifications</b>
13	Limited Warranty

## Introduction

TP-LINK's Smart Wi-Fi Plug Mini is a compact home device that turns your typical electrical wall outlet into a controllable, customizable and multi-functional outlet, enabling you to easily control your lights and household electronic devices via TP-LINK's Kasa mobile app on your iOS or Android devices, no matter where you find yourself.

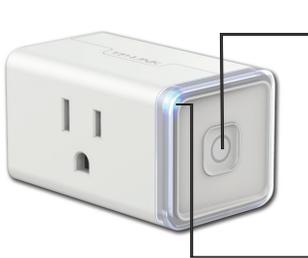
## Features

- Control the plugged-in devices whenever you are connected to the Internet using the Kasa app on your smartphones and tablets.
- Automate your lights and small household appliances with Schedule and Timer.
- Provide historical power consumption report of the plugged-in devices in real-time.
- Discourage potential intruders with Away Mode that automatically turns the plugged-in devices on and off at different times.
- Compatible with Amazon Echo (sold separately) that lets you interact with the Smart Wi-Fi Plug Mini using your voice.

## Product Requirements

- A smartphone or tablet running iOS 8 or higher; Android 4.1x or higher.
- A Wi-Fi connection (supports 802.11n standard).

## Smart Wi-Fi Plug Mini



Press to turn the socket ON or OFF.

Press and hold (for 5 seconds) until the LED flashes amber and blue alternately to initiate the app onboarding process (SoftAP).

Press and hold (for 10 seconds) until the LED flashes amber rapidly to factory reset the Smart Plug Mini.

**LED** **Flashing amber and blue:** App onboarding process (SoftAP) initiated.

**Flashing blue rapidly:** Connecting to the network.

**Solid blue:** Connected to the network.

**Flashing amber rapidly:** Factory reset.

**Solid amber:** Initializing, rebooting, or no network connection.

**Off:** The socket is turned OFF or the Smart Plug Mini is powered OFF.

*\* Image may differ from actual product due to different regional power specifications. We use the U.S. version as an example.*

## Smart Wi-Fi Plug Mini Installation

- 1 Download **TP-LINK Kasa** from the App Store or Google Play.

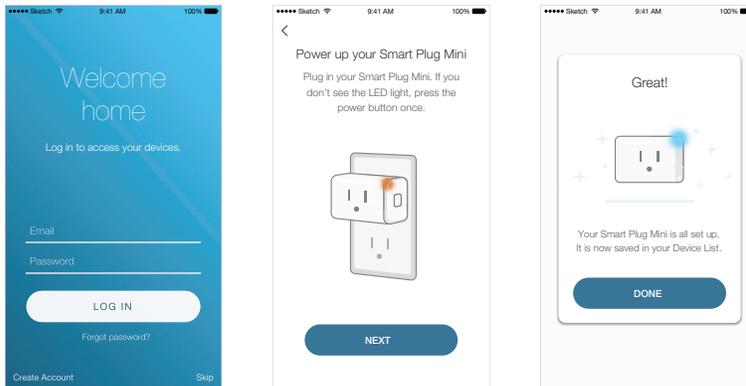


- 2 Connect your mobile device to your **2.4GHz Wi-Fi** network.

**Note:** The Smart Plug Mini only supports 2.4GHz networks.



- 3 Launch **Kasa** and follow the in-app instructions to connect the Smart Plug Mini to your network.



## Using Kasa with Smart Wi-Fi Plug Mini

### Kasa Account

While you don't have to have a Kasa account to use your devices, signing up for an account provides added functionality such as:

- Synchronization of settings and configurations to all your mobile devices.
- Ability to control and configure the devices from outside your home.
- Ability to customize your TP-LINK Smart Home devices with "Scenes" for a truly automated experience.
- Use of third-party services and products such as Amazon Echo.

Devices can only be associated with one Kasa account. To remove the association, turn off Remote Control in the Kasa's settings, or factory reset the device.

After creating your Kasa account, you will need to verify the email associated with your account by clicking a link in an email that Kasa sends you. Until you verify the email, much of the above functionality will not work.

### Kasa Settings

Kasa's Settings allows you to set your global preferences such as:

- **Remote Control** to control your Smart Home devices outside of your home. You need to sign in to your Kasa account first to turn on this function.
- **Location and Time** to set the location and time of where the Smart Home devices are located so that the Away Mode and Schedules can run on time. You can set your device's location using your smartphone's GPS function, or manually enter the latitude and longitude coordinates.
- **Firmware Update** to update your Smart Home devices when there is an update available. Refer to ["Firmware Update"](#) for instructions.

## Customizing Smart Wi-Fi Plug Mini

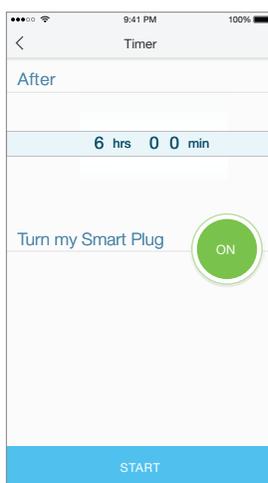
You can personalize your Smart Wi-Fi Plug Mini with a descriptive name and a custom icon that represents the connected device or household appliance from the Smart Wi-Fi Plug Mini's details screen.



1. On the *Devices* screen, tap on the row of the Smart Wi-Fi Plug Mini to go to its controls.
2. Tap the  (Settings) icon at the top-right corner.
3. On the *Device Settings* screen, tap the  icon for each of the settings you want to personalize.
  - **Device Name** – Enter a unique name for your Smart Wi-Fi Plug Mini.
  - **Device Icon** – Choose one of the available icons or use your own custom icon.

## Timer

Timer can be set to automatically turn the lights or household appliances plugged into the Smart Wi-Fi Plug Mini on or off after the countdown time has elapsed.



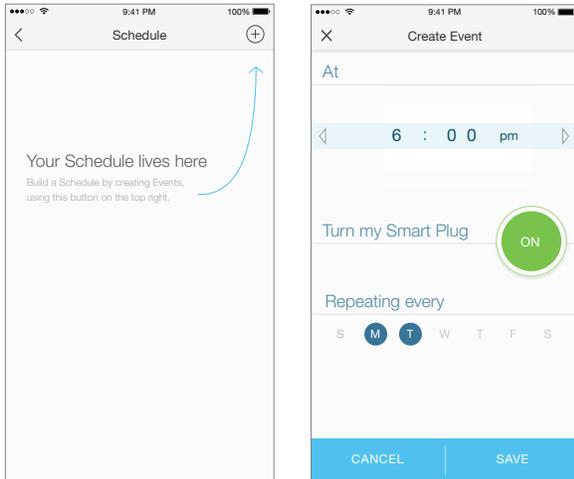
1. On the *Devices* screen, tap on the row of the Smart Wi-Fi Plug Mini to go to its controls.
2. Tap  (Timer) to open the *Timer* screen.
3. Set the timer duration in Hours and Minutes.

4. Set your preferred state (ON or OFF) to be triggered once the countdown timer is complete.
5. Tap **Start**.

Note that if a timer overlaps an existing scheduled Event, that schedule will not run. If it overlaps Away Mode, the device will resume away behavior after the timer expires. However, timer will be canceled when power is lost or interrupted, or at any time you turn on/off the device manually using Kasa or the physical ON/OFF switch. You may need to set a new timer if desired.

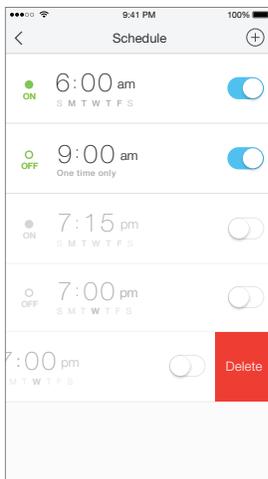
## Scheduling

You can create ON/OFF schedules to automate your plugged-in devices to work around your home and work schedules, such as setting the lights to come on at dusk and turn off at sunrise.



1. On the *Devices* screen, tap on the row of the Smart Wi-Fi Plug Mini that you want to create a schedule for.
2. Tap  (Schedule) to open the *Schedule* screen.
3. Tap  to create an event.
4. Within the *Create Event* screen, set the time, your preferred state (ON or OFF) for the connected device, and repeating frequency.
5. Tap **Save**.

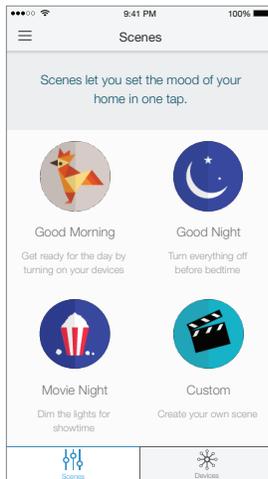
You can create as many events as you like and edit them at anytime from the *Schedule* screen.



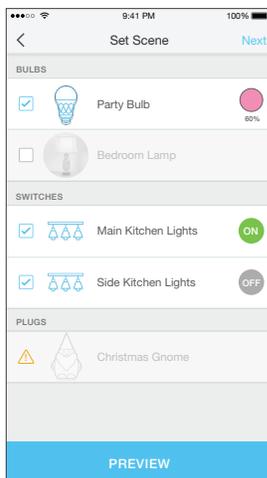
## Creating Scenes

Take full advantage of your TP-LINK Smart Home devices in your home with “Scenes”. A scene is a preset group of Smart Devices (such as Smart Wi-Fi Plugs Mini and Smart Wi-Fi Switches) that can be customized and controlled simultaneously at the touch of a button from your smartphone or tablet to easily set your mood or fit any special occasion. For example, set a customized “Movie Time” to turn on the home theater system plugged into a Smart Wi-Fi Plug Mini and dim down the lights in your Entertainment Room to 10% at the same time.

Please keep in mind that SCENES can only be set and controlled once you're signed in to your Kasa account.



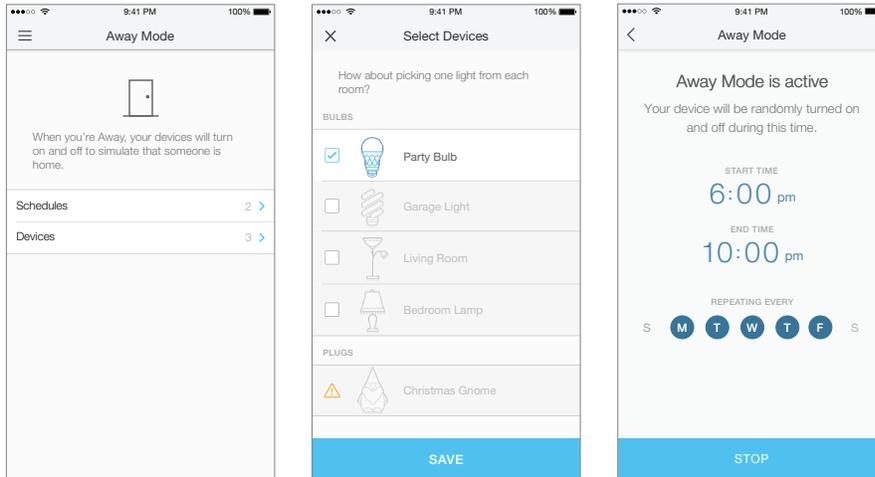
1. On the main *Home* screen, tap the  (Scenes) tab to switch to the Scenes view.
2. Choose one of the preset scenes to start, or choose **Custom** to set up your own scene that is personalized to suit individual preferences and needs. To set a scene, you will need to select one or more devices to be controlled, and then define their actions and/or states.



Note that you must have at least one Smart Device in order to create a scene.

## Away Mode

Away Mode allows you to automate your Smart Wi-Fi Plug Mini in combination with other Smart Home products to respond to your specific schedules. For example, turn on and off Smart Devices at certain intervals to simulate occupancy when you're away from home.



1. Tap the  (navigation drawer) and then **Away Mode**.
2. Tap **Select Devices** to select your Smart Home devices, and then tap **Save**.
3. If you want to set a schedule to automate Away Mode so you don't have to manually activate it, tap **Set Schedule**.  
***Note:** Multiple schedules can be set to repeat weekly on the day(s) of your choice.*
4. Within the *Create Event* screen, set your preferred mode (Away or Home), time, and day(s).
5. Tap **Save**.

You can always toggle Away Mode on and off in the sidebar by tapping on the translucent button under the Kasa logo.

## Runtime Summary

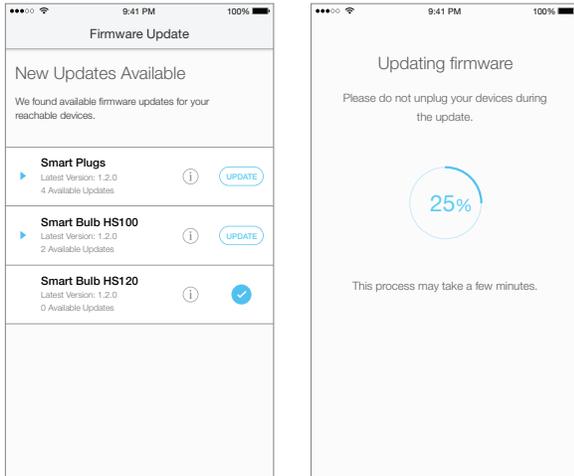
The Runtime summary provides a statistical information about how long the Smart Wi-Fi Plug Mini has been running. To view the Runtime summary, tap on the Runtime section in the Smart Wi-Fi Plug Mini's details screen.



## Maintaining the Smart Wi-Fi Plugs Mini

### Firmware Update

To keep the Smart Wi-Fi Plugs Mini happy and up-to-date with all the latest improvement and fixes, we recommend that you update the firmware when updates are available.



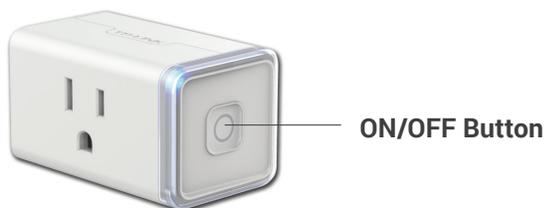
1. Launch **Kasa**.
2. Tap the  (navigation drawer) and then **Settings**.
3. Tap **Firmware Update**.
4. Within the *Firmware Update* screen, tap **Update**.

**Remember:** Only the Smart Wi-Fi Plugs Mini that are currently reachable and have an available update will be shown in the *Firmware Update* screen.

It is important to leave the Kasa app running while it finishes updating the Smart Wi-Fi Plugs Mini. Try not to minimize the app, close the app, or interrupt the update to prevent problems.

### Resetting

Resetting the Smart Wi-Fi Plug Mini can help you troubleshoot any issues that you may have. Please keep in mind that factory resetting a device will erase all of your custom settings and restore them to factory default settings.



The ON/OFF button located on the right side of the Smart Wi-Fi Plug Mini has two functions:

- Press and hold (about 5 seconds) until the LED blinks amber and green alternately to only reset the network settings without losing your current configuration and initiate the app onboarding (SoftAP) process.

- Press and hold (about 10 seconds) until the LED blinks amber rapidly to reset the Smart Wi-Fi Plug Mini to its factory defaults. Note that factory setting the Smart Wi-Fi Plug Mini will erase all of your custom settings, and you'll have to set it up again.

## Troubleshooting

### Frequently Asked Questions

#### 1. What devices can I control with the Smart Wi-Fi Plug Mini?

You can control lights, fans, humidifiers, portable heaters, and any small appliances in accordance with the Smart Wi-Fi Plug Mini's specifications.

#### 2. What should I do when I can't turn the plugged-in devices on or off using Kasa?

- Make sure the devices plugged into the Smart Wi-Fi Plug Mini are switched to ON.
- Make sure the Remote Control feature in the app is enabled to control your devices from outside of your home.

#### 3. What should I do when the LED is lit a solid amber?

A solid amber light indicates no network connection. You can troubleshoot the following:

- Check your network connectivity.
- Avoid placing the Smart Wi-Fi Plug Mini near potential sources of radio signal interference such as microwave ovens, cordless phones, baby monitors, and motor-driven appliances.
- Repeat the app onboarding process.
- Factory reset the Smart Wi-Fi Plug Mini and try to add it to your network again.

#### 4. How do I pair the Smart Wi-Fi Plug Mini with Amazon Echo?

Visit [www.tp-link.com/en/faq-944.html](http://www.tp-link.com/en/faq-944.html) or within the Kasa Help section for pairing instructions, then you can interact with your plugged-in devices using voice recognition. For example, to command Alexa to turn on the Smart Wi-Fi Plug Mini named "Bedroom Lights", simply say, "Alexa, turn on Bedroom Lights."

### Usage Tips

- Place your Smart Wi-Fi Plug Mini within the range of your Wi-Fi router or access point (approximately 100 feet).
- Avoid physical obstructions and radio interference in the surrounding area.

### Support

If you encounter any issues with the Smart Wi-Fi Plug Mini or configuration, please visit [www.tp-link.com/support](http://www.tp-link.com/support) for web support and troubleshooting information.

## Specifications

Network	
<b>Protocol:</b>	IEEE 802.11b/g/n
<b>Wireless Type:</b>	2.4GHz, 1T1R
<b>System Requirements:</b>	Android 4.1 or higher, iOS 8 or higher
General	
<b>Button:</b>	Power ON/OFF Button
<b>Input/Output Voltage:</b>	100 to 120V AC, 15A
<b>Maximum Load:</b>	15A
<b>Maximum Power:</b>	1.8KW
<b>Environment:</b>	Operating Temperature: 0°C~40°C (32°F~104°F) Storage Temperature: -20°C~70°C (-4°F ~158°F) Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~90% non-condensing

### Limited Warranty

To learn more about the Limited Warranty for TP-LINK products, please visit [www.tp-link.us/support/rma](http://www.tp-link.us/support/rma).

## FCC Statement

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."

## NCC Notice

注意！依據 低功率電波輻射性電機管理辦法

第十二條 經型式認證合格之低功率射頻電機，非經許可，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或功能。

第十四條 低功率射頻電機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。前項合法通信，指依電信規定作業之無線電信。低功率射頻電機需忍受合法通信或工業、科學以及醫療用電波輻射性電機設備之干擾。

## 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。

## Safety Information

- When product has a power button, the power button is one of the ways to shut off the product; when there is no power button, the only way to completely shut off the power is to disconnect the product or the power adapter from the power source.
- Don't disassemble the product, or make repairs yourself. You run the risk of electric shock and voiding the limited warranty. If you need service, please contact us.
- Avoid water and wet locations.

	AC voltage
	Indoor use only
	<p><b>RECYCLING</b></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>