

Installation Instructions

For optimum performance, **you should assure the following BEFORE installing a HS300 device:**

- All HS300 Schedule actions should be removed from the device via the Kasa phone app.
- The total size of the names of the HS300 devices should be limited to 90 characters total (average 15 per plug).

If these conditions are NOT met, the HS300 operation within Hubitat will require more resources than other Kasa devices. To avoid adverse Hubitat impacts, the HS300 will automatically be limited to a poll interval of 1 minute minimum.

Install the device per the manufacturer's instructions using the Kasa Phone Application. After installing, verify the device works (simple on-off) using the Phone App.

Using your router, assign static IP addresses (DHCP reservations) for your devices.



Hubitat version 2.3.3 and later.

- Go to Apps
- Select "Add Built-in App"
- Scroll down and select "Kasa Integration"

Notes on running the Application:

a. Most users will not have to use functions other than Install Kasa Devices and Remove Kasa Devices. Exception is users with complex LAN topologies or (in rare cases) where a device is not LAN controllable. The LAN controllable device problem is handled in the troubleshooting section.

b. The below describes the intended default installation using LAN for all communications.



Kasa Hubitat Integration, Version 6.7.1

(Instructions available using ? at upper right corner.)

LAN Configuration: [LanSegments: [192.168.50], Ports [9999], hostRange: [1, 254]]

☐ **Modify LAN Configuration**

Scan LAN for Kasa devices and add
Primary Method to discover and add devices.

☐ **Problems with Install? Try Manual or Cloud Installation.**

Remove Kasa Devices
Select to remove selected Kasa Device from Hubitat.

☐ **Kasa Integration Utilities**

☐ **Enable debug logging for 30 minutes**

Migrate Kasa devices to built-in app

Remove

Done

1. **LAN Configuration:** for advanced LAN configuration users. Allows for segmented LANs, port forwarding as options is set up in router.
2. **Modify LAN Configuration.** Allows modification of IP Segment(s) and Port(s) for more technical installation; i.e., port forwarding, multi-segment LAN. See application instructions for more information.
3. **Scan LAN for Kasa devices and add.** NORMAL installation of app using LAN control of devices.
4. **Problems with Install?.** For use if LAN discovery misses some devices. See application instructions for more information.
5. **Kasa Integration Utilities.** See application instructions.
6. **Remove Kasa Devices.** See application instructions.
7. **Enable debug logging for 30 minutes.** For troubleshooting.
8. **Migrate Kasa devices to built-in app.** See Community to Hubitat integration instructions.

Select "Scan LAN for Kasa devices and add"

Add Kasa Devices to Hubitat, Version 6.7.1

Before Installing New Devices Assure the drivers listed below are installed.[Kasa Color Bulb, Kasa Plug Switch, Kasa CT Bulb, Kasa Light Strip, Kasa Dimming Switch, Kasa Mono Bulb]

Missing Device Help

Devices to add (25 available). Total Devices: 25

Use the dropdown to select devices. Then select 'Done'.

Reading Light, Kasa Color Bulb

Couch Left, Kasa Color Bulb

HS107-02, Kasa Plug Switch

Front Porch, Kasa Plug Switch

Video, Kasa Plug Switch

Den Speaker, Kasa Plug Switch

Fire Cube, Kasa Plug Switch

Cuisinart, Kasa Plug Switch

Bed Right, Kasa CT Bulb

Laptop, Kasa Plug Switch

Bed Fan, Kasa Plug Switch

Light Strip, Kasa Light Strip

Keurig, Kasa Plug Switch

Fan, Kasa Plug Switch

HS300-05, Kasa Plug Switch

Next

1. **Driver list.** The list is for use within the Community version of the integration.

2. **Missing device help:** No longer functional. Will be removed in future versoin.

Issue: All devices not found.

a. Corrective Attempt:

1) finish install available devices, and then

2) run the Scan devices again.

b. If devices still missing, see below on alternate installation methods.

5	Select the devices to install and then select "Next". <div>a. It can take several minutes for the installation to complete.</div> <div>b. The Installation Status page will list the devices installed. Review then press "Next"</div> <div>c. The List Kasa Devices page will appear. This is for troubleshooting. Select "Next"</div>
6	Check each device and assure basic control works (on/off).

Alternate Cloud Installation

If some devices are not discovered (not on the List Kasa Devices page), they can still be connected to Hubitat via the CLOUD interface.

a. Adding devices via the cloud interface does NOT affect previously installed devices.

b. The cloud interface is secondary because of performance and also loss of local control in-case of Internet failure.

NOTE: you must diasble the Kasa App two-factor integration before using the Cloud integration capability.

7	<div>a. From the Start Page, select "Problems with Install?"</div> <div>b. Then select the new button "Get Kasa Devices from the Kasa Cloud and add.</div>
8	<div>Select the Kasa Login and Token Update</div> <div>a. Enter your TP-Link Kasa Account E-Mail and Paassword</div> <div>b. Select "Get or Update Kasa Token.</div>
9	<div>Add Devices</div> <div>a. Verify that the file "Current Kasa Token" is not null.</div> <div>b. Select "Add Devices to the Device Array"</div>
10	Adding devices is the same as in step 5.

Application and Driver File Links	
To use these links, download the XLS version of the file.	
Kasa App	https://raw.githubusercontent.com/DaveGut/HubitatActive/master/KasaDevices/Application/KasaIntegrationApp.groovy
All Plug Switch except Dimming Switch	https://raw.githubusercontent.com/DaveGut/HubitatActive/master/KasaDevices/DeviceDrivers/Plug-Switch.groovy
Dimming Switch	https://github.com/DaveGut/HubitatActive/blob/master/KasaDevices/DeviceDrivers/DimmingSwitch.groovy
Color Bulb	https://raw.githubusercontent.com/DaveGut/HubitatActive/master/KasaDevices/DeviceDrivers/ColorBulb.groovy
CT Bulb	https://raw.githubusercontent.com/DaveGut/HubitatActive/master/KasaDevices/DeviceDrivers/CTBulb.groovy
Mono Bulb	https://raw.githubusercontent.com/DaveGut/HubitatActive/master/KasaDevices/DeviceDrivers/WhiteBulb.groovy
Light Strip	https://raw.githubusercontent.com/DaveGut/HubitatActive/master/KasaDevices/DeviceDrivers/LightStrip.groovy