

# Kasa Integration Installation, Reference, and Troubleshooting

Other Reference Location Links	
Installation Instructions	
Update Instructions	
Application Description	
Device Preferences	
Unique Device Cmds	
Troubleshooting Guide	
Installation Instructions	
Caution	For the HS300 6-outlet multi-plug, the Kasa names for ALL of the outlets must not exceed 96 characters (about 16 characters per outlet). This is due to Hubitat comms limitation of a single return packet from the device. This limitation does not exist if you choose a cloud implementation.
1	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.
2	(Optional) Using your router, assign static IP addresses for your devices.
3	Load the Application and Driver files a. HPM: Search by Keyword for "Kasa", Package is "Kasa Device Integration". b. Manual: From GitHub site: https://github.com/DaveGut/HubitatActive/tree/master/KasaDevices c. Direct link using the Apps Code and Drivers Code edit page "Import" function using the links at the bottom of this page. During the Hubitat application running (below), you will be given a list of required drivers for your device(s). If you do not have the correct driver, the device will not be created.
4	In Hubita Apps, select "Add User App". Select "Kasa Integration".
<p>Notes on running the Application:</p> <p>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.</p> <p>b. Below describes the intended default installation using LAN for all communications.</p>	
<div>Kasa Local Hubitat Integration, Version 6.4.2-rel1 <small>(Instructions available using ? at upper right corner.)</small></div> <div><div>Cloud, Lan and Device Control Setup</div><div>Current Configuration: token = null, Cloud Device Control = false, discMethod = LAN, LanSegments = 192.168.50, hostRange = 1, 254</div><div>Install Kasa Devices<div>Also updates all device IP addresses.</div></div><div>Remove Kasa Devices<div>Click to select and delete devices</div></div><div>Application Utilities</div><div>Enable debug logging for 30 minutes</div><div>RemoveDone</div></div>	<div>Kasa Local Hubitat Integration Page</div> <div>1. Open a log window in your browser. There should be no error log events (color code red) during the installation. If you encounter and can not install, contact the developer.</div> <div>2. Select "Install Kasa Devices".</div> <div>3. After several minutes the next page will appear.</div>
<div>Add Kasa Devices to Hubitat, Version 6.4.2-R1</div> <div>Before Installing New Devices</div> <div>1. Ensure the following drivers are installed:<div>Kasa Light Strip Kasa Plug Switch Kasa EM Multi Plug Kasa Mono Bulb Kasa Multi Plug Kasa EM Plug Kasa CT Bulb Kasa Color Bulb</div></div> <div>2. Assign Static IP Addresses.</div> <div>Devices to add (22 available of 22 total).</div> <div>Use the dropdown to select devices. Then select 'Done'.</div> <div>Next</div>	<div>Add Kasa Devices Page</div> <div>1. Verify that the exact drivers from the list are installed into Hubitat.</div> <div>2. Select your device(s) from the drop down menu.</div> <div>3. Select Next.</div> <div>Issue: All devices not found. Corrective Attempt: Press Next and then try the "Install Kasa Devices" again.</div> <div>Issue: Devices still do not show up. You may have a non-LAN device. Corrective Attempt:<div>a. Press "Next"</div><div>b. Select "Cloud, Lan, and Device Control Setup"</div><div>c. Select "Kasa Login and Token Update" and enter credentials. (More info on these pages at the Application Description link.)</div></div>
5	Go to each device and assure you can properly control the device (simple on/off command). Issues on device control: See link to Troubleshooting.

File Location Links	
Kasa Integration App	<a href="https://raw.githubusercontent.com/DaveGut/HubitatActive/master/KasaDevices/Application/KasaIntegrationApp.groovy">https://raw.githubusercontent.com/DaveGut/HubitatActive/master/KasaDevices/Application/KasaIntegrationApp.groovy</a>
Single Plug/Switch without EM	<a href="https://raw.githubusercontent.com/DaveGut/HubitatActive/master/KasaDevices/DeviceDrivers/Plug-Switch.groovy">https://raw.githubusercontent.com/DaveGut/HubitatActive/master/KasaDevices/DeviceDrivers/Plug-Switch.groovy</a>
Single Plug with Energy Monitor (EM)	<a href="https://raw.githubusercontent.com/DaveGut/HubitatActive/master/KasaDevices/DeviceDrivers/EM-Plug.groovy">https://raw.githubusercontent.com/DaveGut/HubitatActive/master/KasaDevices/DeviceDrivers/EM-Plug.groovy</a>
Dimming Switch	<a href="https://raw.githubusercontent.com/DaveGut/HubitatActive/master/KasaDevices/DeviceDrivers/DimmingSwitch.groovy">https://raw.githubusercontent.com/DaveGut/HubitatActive/master/KasaDevices/DeviceDrivers/DimmingSwitch.groovy</a>
Multi Plug without EM	<a href="https://raw.githubusercontent.com/DaveGut/HubitatActive/master/KasaDevices/DeviceDrivers/Multi-Plug.groovy">https://raw.githubusercontent.com/DaveGut/HubitatActive/master/KasaDevices/DeviceDrivers/Multi-Plug.groovy</a>
Multi Plug with EM	<a href="https://raw.githubusercontent.com/DaveGut/HubitatActive/master/KasaDevices/DeviceDrivers/EM-Multi-Plug.groovy">https://raw.githubusercontent.com/DaveGut/HubitatActive/master/KasaDevices/DeviceDrivers/EM-Multi-Plug.groovy</a>
Color Bulb	<a href="https://raw.githubusercontent.com/DaveGut/HubitatActive/master/KasaDevices/DeviceDrivers/ColorBulb.groovy">https://raw.githubusercontent.com/DaveGut/HubitatActive/master/KasaDevices/DeviceDrivers/ColorBulb.groovy</a>
Color Temperature Bulb	<a href="https://raw.githubusercontent.com/DaveGut/HubitatActive/master/KasaDevices/DeviceDrivers/CTBulb.groovy">https://raw.githubusercontent.com/DaveGut/HubitatActive/master/KasaDevices/DeviceDrivers/CTBulb.groovy</a>
Mono Bulb	<a href="https://github.com/DaveGut/HubitatActive/blob/master/KasaDevices/DeviceDrivers/WhiteBulb.groovy">https://github.com/DaveGut/HubitatActive/blob/master/KasaDevices/DeviceDrivers/WhiteBulb.groovy</a>
Light Strip	<a href="https://github.com/DaveGut/HubitatActive/blob/master/KasaDevices/DeviceDrivers/LightStrip.groovy">https://github.com/DaveGut/HubitatActive/blob/master/KasaDevices/DeviceDrivers/LightStrip.groovy</a>