Hubitat Installation Instructions	
Note	This update combines the Cloud and LAN versions of the integration into a single version. This will allow ready switching from LAN to Cloud control at the device level if the device's firmware is updated to that without the LAN interface (an on-going security update by TP-Link). Additionally, it reduces the number of files required for maintenance.
Doc Structure	This document includes File Location Data, Upgrade Instructions, Initial Installation Instructions, and Device Preferences Descriptions
File Location Data	

1	**Hubitat Package Manager (Recommended):**
	    Tags: "LAN", "Lights & Switches"
	    Name: "Kasa Devices Integration"

2	**Raw driver file Names:**
2a	Plug-Switch.groovy: HS100, HS103, HS105, HS200, HS210, KP100, KP105
2b	EM-Plug.groovy: HS110, KP115
2c	Multi-Plug.groovy: KP200, HS107, KP303, KP400
2d	EM-Multi-Plug.groovy: HS300
2e	DimmingSwitch.groovy: HS220
2f	WhiteBulb.groovy: KB100, LB100, LB110, KL110, LB200, KL50(, KL60(
26	CTBulb.groovy: LB120, KL120
2h	ColorBulb.groovy: KB130, LB130, KL130, LB230
3	**GitHub File Location**: https://github.com/DaveGut/HubitatActive/tree/master/KasaDevices
Upgrade Instructions	
Note	The current version can be accessed in the Archive folder under Drivers and Application folders in GitHub.
1	Update both the driver and application files using your preferred method.
2	Run the application (Kasa Integration)
2a	Select the options for Interface to Kasa Cloud, as desired.
Note	This will cause the Login / Update Token option to select. If you login, the token will update every three days. If subsequently deselected, the token will not update.
2b	Run Install Kasa Devices / Update Installed Devices
2c	Select Next on the Add Kasa Devices to Hubitat page. (no need to add devices)
2d	Select Done on the Kasa Local Hubitat Integration page
3	Open each device and verify Preferences
3a	Complete a Save Preferences
Initial Installation Procedures	
1	Copy Driver(s) and Apps to Hubitat
1a	Recommend you use the community application Hubitat Package Manager
1b	See above for file location data
2	Open the Hubitat Applications tab
2a	Select Add User App (upper right corner)
2b	Select "Kasa Integration" to run the Kasa App.
3	In the Kasa Intrgration App, recommend selecting "Display instructions on page"
4	If you want to use the Kasa Cloud. Select Interface to Kasa Cloud
4a	Select Kasa Login and Token Update
4b	On the Initial Kasa Login Page, enter your TP-Link data
4c	Select Get or Update Kasa Token
NOTE	The token will be automatically updated every three days based on your credentials
4d	Select Next
5	Select Install Kasa Devices / Updat Installed Devices
6	Select the drop-down "Devices to add" and select the devices you want to add
7	Select Next

8	Select Done on the Kasa Local Hubitat Integration page
9	Open each device and verify Preferences
9a	Set your preferences (see definitions below) and do a Save Preferences
9b	Check the on/off function for operation
Note	On/off will check communications and verify the device is properly installed.
Device Preferences	
1	**Use Kasa Cloud for Device Control**: This will be invisible unless you have selected "Interface to Kasa Cloud in the Application. When true (blue), all device commands are through the Kasa Cloud. When false (white), all commands are local LAN.
2	**Refresh / Poll Interval**: This combines the previous separate functions. Allows selection of the interval between refresh commands being sent from the device (5 sec to 5 minutes). Unless you have a specific use case, 5 minutes is recommended.
Note	Refresh / Poll Interval is limited to a minimum of one minute if Use Kasa Cloud is selected.
3	**Enable Debug Logging**: Enables debug logging for 30 minutes. Used for trouble shooting.
4	**Enable description text logging**: Enables description text logging (device changes, etc). When off, the device is in silent mode (no logging except warnings and errors.
Note	You can examine device attribute changes by selecting "Events" on the devices page.
5	**Kasa Cloud Binding:** Binds/Unbinds the device with the Kasa Cloud. If Bound, the device can be controlled away from home via the Kasa Cloud and all device changes are transmitted to the Kasa Cloud. If not Bound, the device is in local only mode where data is not interchanged with the Kasa Cloud.
Note	When unbound, the device can still be controlled by the Kasa App if your phone is on the same LAN as the device.
6	**Led On/Off:** Set the value in the Device for the device's status LED. Results vary based on device. Not available on bulbs.
7	**Reboot Device**: Use cautiously. Reboots the device for whenever all else fails.