Driver File	Master Plug Switch		Master Multi Plug		Master Bulb		
Test	Plug-Switch	EM Plug	Multi Plug	EM Multi Plug	Color Bulb	CT Bulb	Mono Bulb
Install, no cloud	ok	ok	ok	Issue 1	ok	ok	ok
Debug logging	ok	ok	ok	Note 1	ok	ok	ok
On/Off	ok	ok	ok	ok	ok	ok	ok
default Trans Time					ok	ok	ok
Bulb Level					ok	ok	ok
Bulb Level Up/Down					ok	ok	ok
Bulb Color Temp					Note 3	Note 3	
Bulb Color					ok		
Bulb Mode					ok	ok	
Refresh	ok	ok	ok	ok	oh	ok	ok
Reboot	ok	ok	ok	ok	ok		
Energy Monitor On		ok			ok	ok	ok
On/Off Poll		ok	Note 1	Note 1	ok	ok	ok
Power Poll				ok			
Energy Monitor Off		ok		ok	ok	ok	ok
LED On/Off	ok	ok	Note 2	Note 2			
Bind	ok	ok	Note 2	Note 2	ok		
Convert to Cloud	ok		Note 2		ok		
On/Off	ok		ok		ok		
Poll Interval (limit 1 min)	ok		ok		ok		
Uninstall	ok	ok	ok	ok	ok	ok	ok
Install Cloud	ok		ok		ok		
Debug Logging	ok		ok		ok		
Refresh	ok		ok		ok		
Convert to LAN	ok		ok		ok		
Refresh	ok		ok		ok		
Unbind	ok		ok		ok		

Issues and Notes

Issue 1	EM Multi Plug	Multiple errors during install. Possible timing issue. Not consistent on all installations. Does not impact functional tests after running Save Preferences.
Note 1	EM Multi Plug	Per design, last device to run Save Preferences is running polling.

Note 1	Multi Plug	
Note 2	EM Multi Plug	Coordinate verified across all passing methods.
	Multi Plug	
Note 3	Bulb CT FN	Driver's edit page button has an error. Fix embedded in code.

Test	Initial Installation				From	
	APP	plugSwitch	multiPlug	bulb	APP	plugSwitch
Install Base Code	OK				OK	
Open App	OK				OK	
Log Into Cloud	OK				OK	
Disable cloud	OK				OK	
Install Button	OK				OK	
Install devices		OK	OK	OK		OK
App Done					OK	
Open Device		OK	OK	OK		OK
Check Prefs		OK	OK	OK		OK
Debug On		OK	OK	OK		OK
Save Preferences		OK	OK	OK		OK
Check All data		OK	OK	OK		Issue 1
On/Off/Refresh		OK	OK	OK		OK
Open App and Remove	OK				OK	

Issues and Notes		
Issue 1	5.3.3	Did not update the poll interval.

dev:27912021-04-12 02:09:01.857 am errorjava.lang.NullPointerException: Cann

2021-04-12 02:08:57.647 am warn[EM Multi Plug/6.1.1] TV Recorder distRespons

dev:27882021-04-12 02:22:00.219 am warn[EM Multi Plug / 6.3.0 / Antenna]| se

5.3.3		From 6.0				From	
multiPlug	**bulb**	**APP**	**plugSwitch**	**multiPlug**	**bulb**	**APP**	**plugSwitch**
		OK				OK	
		OK				OK	
		OK				OK	
		OK				OK	
		OK				OK	
OK	OK		OK	OK	OK		OK
						OK	
OK	OK		OK	OK	OK		OK
OK	OK		OK	OK	OK		OK
OK	OK		OK	OK	OK		OK
OK	OK		OK	OK	OK		OK
Issue 1	Issue 1		OK	OK	OK		Issue 1
OK	OK		OK	OK	OK		OK
		OK				ok	

ot invoke method concat() on null object on line 555 (parse)

se: Error = Invalid or incomplete return. Error = java.lang.StringIndexOutOfBoundsException: String index out

ndCmd: attribute connection not set.

6.1		From 6.2			
multiPlug	bulb	APP	plugSwitch	multiPlug	bulb
		OK			
		OK			
		OK			
		OK			
		OK			
OK	OK		OK	OK	OK
		OK			
OK	OK		OK	OK	OK
OK	OK		OK	OK	OK
OK	OK		OK	OK	OK
OK	OK		OK	OK	OK
Issue 1	Issue 1		Issue 1	Issue 1	Issue 1
OK	OK		OK	OK	OK
		ok			

of range: -8

Per Device Hubitat Percent of Total Stat Data				
		Interval		
Driver	Ex Device	5 sec	1 min	Polled Data
EM Multi Plug	HS300	0.80%	0.07%	onOff and power
EM Multi Plug	HS300	0.49%	0.05%	onOff
Multi Plug	HS107	0.40%	0.03%	onOff
Bulbs (all variants)	LB130	0.49%	0.04%	onOff
Plug Switches	HS105	0.35%	0.03%	onOff
EM Plug	KP115	0.40%	0.04%	onOff and power

Hubitat Device Stats with high levels of Polling

Devices: 6m 48s busy / 2h 43m 14s total (4.2%) 🗑 🔄

Name	Total, ms	Count	Avg, ms	% of busy	% of total
EM Multi Plug 04, no EM, 5 s onOff	49,321	4,000	12	12.1	0.504
CT Bulb (LB120), no EM, 5 s onOff	49,147	3,920	13	12.0	0.502
Color Bulb (KL130), no EM, 5 s onOff	47,884	3,920	12	11.7	0.489
Mono Bulb (KL60), no EM, 5 sec onOff	43,347	3,918	11	10.6	0.443
Multi Plug (HS107-00), no EM, 5 s onOff	38,546	3,918	10	9.4	0.394
EM Plug (KP115), EM, 5 sec onOff/Power	37,283	3,928	9	9.1	0.381
EM Multi Plug 01, EM, 5 s power	36,136	4,000	9	8.9	0.369
Multi Plug (HS107 - 00), no EM, 5 s onOff	35,874	3,918	9	8.8	0.366
Plug (HS105), no EM, 5 s onOff	34,156	3,918	9	8.4	0.349
EM Multiplug 00, EM, 5 s power	33,977	3,996	9	8.3	0.347
EM Multi Plug 02, no EM, 5 m onOff	817	66	12	0.2	0.008
EM Multi Plug 03, no EM, 5 m onOff	827	68	12	0.2	0.008
EM Multi Plug 05, no EM, 5 m onOff	829	70	12	0.2	0.008

Hubitat Device Stats with high levels of Polling

Devices: 0m 37s busy / 1h 51m 11s total (0.6%)   🗑   🔄

Name	Total, ms	Count	Avg, ms	% of busy	% of total
Color Bulb (KL130), no EM, 1 m onOff	2,912	222	13	7.8	0.044
CT Bulb (LB120), no EM, 1 m onOff	2,794	222	13	7.4	0.042
EM Multi Plug 01, EM, 1 m onOff & power	4,724	460	10	12.6	0.071
EM Multi Plug 02, no EM, 1 m onOff	2,668	226	12	7.1	0.040
EM Multi Plug 03, no EM, 1 m onOff	2,671	228	12	7.1	0.040
EM Multi Plug 04, no EM, 1 m onOff	2,468	228	11	6.6	0.037
EM Multi Plug 05, no EM, 1 m onOff	3,007	228	13	8.0	0.045
EM Multiplug 00, EM, 1 m onOff & power	4,976	468	11	13.2	0.075
EM Plug (KP115), EM, 1 m onOff & Power	2,421	230	11	6.4	0.036
Mono Bulb (KL60), no EM, 5 m onOff	2,706	222	12	7.2	0.041
Multi Plug (HS107 - 00), no EM, 1 m onOff	2,113	222	10	5.6	0.032
Multi Plug (HS107-00), no EM, 1m onOff	2,076	222	9	5.5	0.031
Plug (HS105), no EM, 1 m onOff	2,028	222	9	5.4	0.030