

ALTHue Philips Hue plugin

- Alternate implementation of Philips Hue plugin
- Supports v2 bridges
- Manage Hue devices exactly like VERA devices
- Supports all lamps, Support Hue Motion sensor
- UI7 and ALTUI support (UI5 support is limited for now, known issues: RGB wont work & Hue plugin icon is not showing up)
- Multiple instance of plugin (for different HUE brige) is supposed
- Some user are using it against a RaspBee Zigbee module, running deCONZ API (compatible Hue)

Why another one

- More reliable
- Supports motion sensor, temp sensor, lux sensor & battery
- Code less ugly and messy
- All devices appear strictly as standard vera devices, supporting same service/variable, same Upnp actions

Lets jump into it

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Chapitre 1 Installing the plugin

Prerequisite : your Philips Hue Hub is installed, connected and works fine to command devices

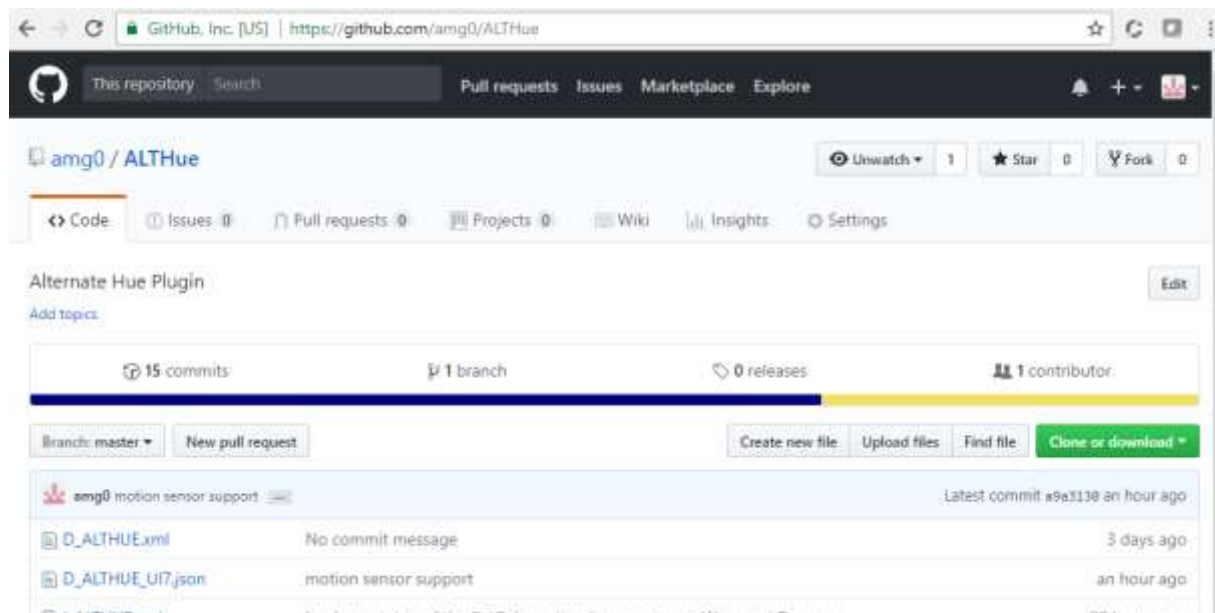
Method 1 : Install from MCV store

Open a browser and type open this url , ignore the error message reported and let VERA reload a couple of times

- http://<ip>:3480/data_request?id=action&serviceld=urn:micasaverde-com:serviceld:HomeAutomationGateway1&action=CreatePlugin&PluginNum=9066&Version=36104

Method2 : install from Github

1)download files from <https://github.com/amg0/ALTHue>



2)upload them in VERA and enable reload of luup after

Develop apps

Test Luup code (Lua)	Create device	
Edit Startup Lua	Device type	<input type="text" value="urn:schemas-upnp-org:device:althue:1"/>
Luup files	Internal ID	<input type="text"/>
Serial Port configuration	Description	<input type="text"/>
Create device	Upnp Device Filename	<input type="text" value="D_ALTHUE.xml"/>
Device Simulator (based on JSON)	Upnp Implementation Filename	<input type="text" value="I_ALTHUE.xml"/>
	IP address	<input type="text"/>
	MAC	<input type="text"/>
	Room	<input type="text" value="Please select"/>
	Parent device	<input type="text" value="Please select"/>
	<input type="button" value="Create device"/>	

Develop apps

Test Luup code (Lua)

Edit Startup Lua

Luup files

Serial Port
configuration

Create device

Device Simulator
(based on JSON)

Luup files

Upload

Drag & drop files

6). D_ALTHUE_UI7.json

Done

5). L_ALTHUE.lua

Done

4). J_ALTHUE.js

Done

3). D_ALTHUE.xml

Done

2). S_ALTHUE.xml

Done

1). I_ALTHUE.xml

Done

☒ Restart Luup after upload

Create files

3)create a device manually

Develop apps

Test Luup code (Lua)	Create device	
Edit Startup Lua	Device type	urn:schemas-upnp-org:device:althue:1
Luup files	Internal ID	
Serial Port configuration	Description	
Create device	Upnp Device Filename	D_ALTHUE.xml
Device Simulator (based on JSON)	Upnp Implementation Filename	I_ALTHUE.xml
	IP address	
	MAC	
	Room	Please select ▼
	Parent device	Please select ▼
	Create device	

4) reload the engine

New service/variable

New service:	(
New variable:	(
New value:	(
Reload Engine	Add

Chapitre 2 Configuring the plugin

1) You should have an error message in the UI7

ALTHUE : The IP address of the Hue bridge is not set in the plugin attributes

And find your device in “error” mode in the list of devices



- 2) You need to configure the IP address of the Philips Hub. For this you go into settings tab and either enter IP address or select it from the proposed discovered ones

Control
Settings
Information
Dump
Donate
Back

IP Addr

xx.xx.xx.xx
Discovery meethue.com
192.168.1.34

Polling in sec

10

Link Status

Press Hue Link button

Pair

Prefix pour les noms

Hue

Submit

- 3) Set IP address and click submit. Wait for the luup reload to happen
- 4) Now the Pairing with the Hue device must be done. You will have 30 seconds to press on the central big button of the Hue hub , then click on the “Pair” button of the settings screen. Once everything is ok , you should get that confirmation on the screen:

Control
Settings
Information
Dump
Donate
Back

IP Addr

192.168.1.34
Discovery meethue.com

Polling in sec

10

Link Status

Pairing Success

Unpair

Prefix pour les noms

Hue

Submit

The variable Credentials will contain the User ID given to you by Philips Hub and which appear in the whitelist of users in the Philips Hub configuration

- 5) Force a engine reload again. Since many children devices will be created there could be several reloads of the engine, be patient and refresh your browser page. You should be rewarded by a working plugin

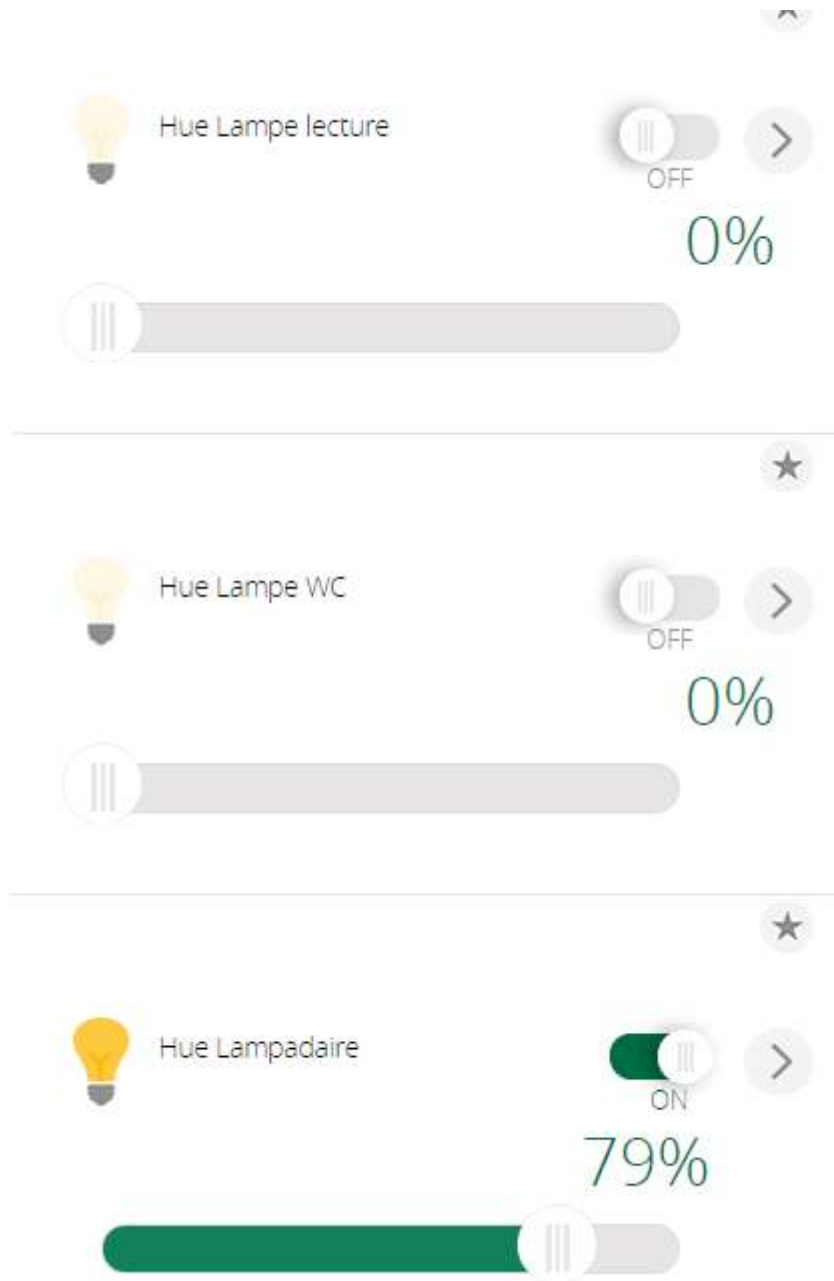


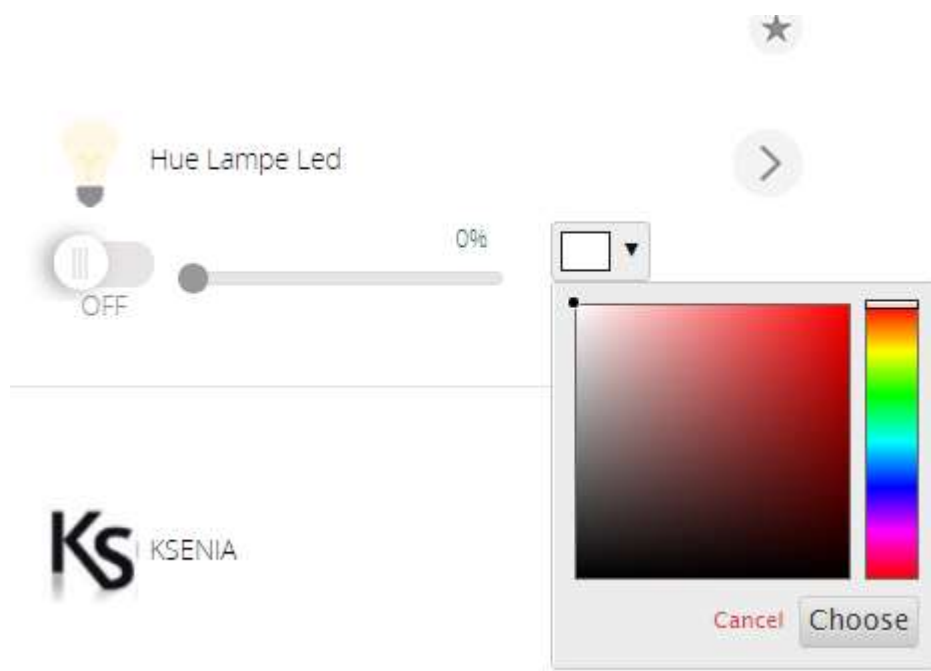
Chapitre 3 Playing with the plugin

In the plugin settings Information page, you find a list of your Light and Sensor devices. The Dump page is for debug and gives you the full bridge JSON structure.

Control Settings Information Dump Donate Back						
My Hue Lights						
Id	Type	Name	Manufacturer	Model	Swversion	Reachable
1	Dimmable light	Lampe lecture	Philips	LWB010	1.29.0_r21169	true
2	Extended color light	Lampe Led	Philips	LST002	5.105.0.21169	true
3	Color temperature light	Lampadaire	Philips	LTW001	5.105.0.21536	true
4	Dimmable light	Lampe WC	Philips	LWB010	1.29.0_r21169	true
My Hue Sensors						
Id	Type	Name	Manufacturer	Model	Swversion	Lastupdated
1	Daylight	Daylight	Philips	PHDL00	1.0	2018-03-28T17:29:00
2	ZLLTemperature	Hue temperature sensor 1	Philips	SML001	6.1.0.18912	2018-03-28T19:48:33
3	ZLLPresence	capteur WC Parent	Philips	SML001	6.1.0.18912	2018-03-28T13:23:22
4	ZLLLightLevel	Hue ambient light sensor 1	Philips	SML001	6.1.0.18912	2018-03-28T19:47:45
5	CLIPGenericStatus	MotionSensor 3.Companion	Philips	PHA_STATE	1.0	2018-03-28T13:26:07
6	CLIPGenericFlag	Je commence a 9h	Philips	WAKEUP	1.0	none
7	CLIPGenericFlag	Go to sleep	Philips	GOTOSLEEP	A_1	none
8	CLIPGenericFlag	Timer.companion	Philips	PHA_CTRL_START	1.0	none
9	CLIPGenericFlag	Go to sleep	Philips	GOTOSLEEP	A_1	none
10	CLIPGenericFlag	Réveil 6h	Philips	WAKEUP	1.0	2018-03-27T03:50:00
11	CLIPGenericFlag	Réveil 10h	Philips	WAKEUP	1.0	2018-03-24T06:50:00
12	CLIPGenericFlag	Go to sleep	Philips	GOTOSLEEP	A_1	2018-03-26T20:11:00
13	CLIPGenericFlag	Timer.companion	Philips	PHA_CTRL_START	1.0	2018-03-26T20:22:37

- 6) All devices must have been created. Either as a standard Dimmer device, or as a standard RGB Dimmer device. The Hue motion sensor contains temp and lux sensor so 3 devices are created as std motion sensor, Lux sensor and temp sensor. These devices can be used in vera scenes





The battery information is also collected:



7) Support this development and use the Donate settings page at your convenience



For those who really like this plugin and feel like it, you can donate what you want here on Paypal. It will not buy you more support not any guarantee that this can be maintained or evolve in the future but if you want to show you are happy and would like my kids to transform some of the time I steal from them into some *concrete* returns, please feel very free (and absolutely not forced to) to donate whatever you want. thank you !

[Donate](#)



8) Full ALTUI support is also granted



Philips hue BSB002 Philips hue (#678)

Pas de Pièce ▼



[Control](#)

[Settings](#)

[Information](#)

[Dump](#)

[Donate](#)

IP Addr

192.168.1.34

Polling in sec

10

Discovery meethue.com ▼

Link Status

192.168.1.34

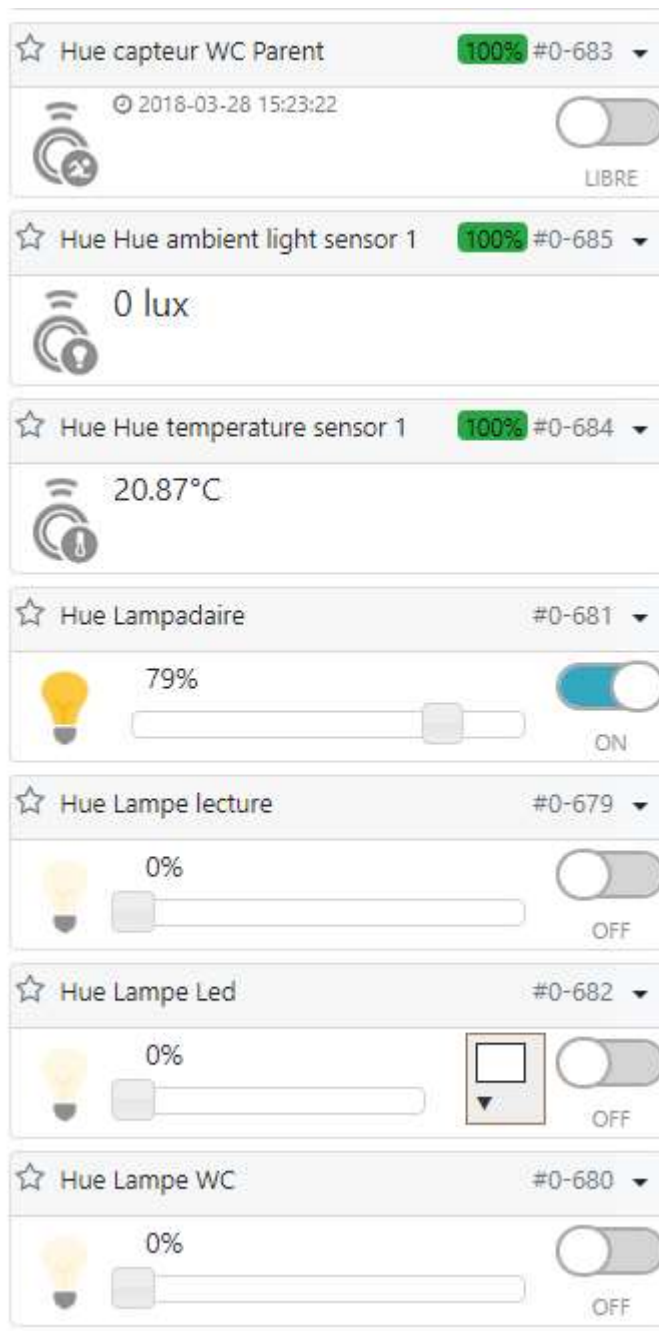
Pairing Success

Unpair

Prefix pour les noms

Hue

Submit



Chapitre 4 Using Philips Hue Scenes

From the Hue scene setting tab you can see and run any Hue Bridge scenes.

Control	Settings	Hue Scenes	Donate	Back
My Hue Scenes				
Name	Lights	Last updated	Run	
Atténué	Lampadaire	2018-03-03T17:35:10	Run	
Atténué	Lampe Led	2018-02-23T11:12:07	Run	
Atténué 5ksSIIDT7QFNE4m	Lampe WC	2018-03-18T11:13:40	Run	
Atténué	Lampe lecture	2018-02-23T11:12:06	Run	
Aurore boréale	Lampe Led	2018-02-23T11:12:07	Run	
Aurore boréale	Lampadaire	2018-03-03T17:35:10	Run	
Concentration	Lampadaire	2018-03-03T17:35:10	Run	

If you hover the mouse over the scene name you will get a unique Hue ID which can be useful if you want to trigger a Hue scene directly from a VERA scene action list. To do this, you use the VERA scene editor in advanced mode, select the Hue plugin and the RunHueScene UPNP action. It will need the unique Hue ID you got above as a parameter as shown herebelow

< Back

Scene is 'active' when all devices in the scene are proper..

Add delay

Delay: Immediately

Add action

#678 Philips hue

RunHueScene

hueSceneID: hueSceneID: string

Add

Cancel

Done