

First time setup instructions:

Below steps to be followed after installing and powering up the HPAI040 device.

1. From your laptop or Mobile, open wifi settings and look for wifi router named HPAI040_XXXX and connect to this wifi station using password connect123
2. Open your web browser and access <http://192.168.4.1>
3. This will display current settings page, click on reconfigure at the end of the page, this will display a form to enter settings as below

MAREECHI™ HOME AUTOMATION

MODEL: HPA 1040 , ENTER CONFIGURATION:

WiFi Router Name	<input type="text"/>	
Password	<input type="text"/>	
Device Name	<input type="text"/>	
Home Gateway IP Address	<input type="text"/>	
Login Name	<input type="text"/>	
Password	<input type="text"/>	
Enter Names for Each of 4 Switches Below		
Type: Solid State, Switch1 Name	<input type="text"/>	Light ▾
Type: Solid State, Switch2 Name	<input type="text"/>	Light ▾
Type: Socket/Switch, Switch3 Name	<input type="text"/>	Switch ▾
Type: Socket/Switch, Switch4 Name	<input type="text"/>	Switch ▾

- Enter your wifi router name, password
Enter device name without spaces and special characters, for example, HallSocketbox1 or Bedroom1socketbox1 or Hallsokcetbox2, Remember or write down the name for future reference.
- Enter Home gateway ip address, this is the IP address of your Home Gateway system, enter login and password of the mqtt server of Home Gateway system

- Enter names of each of 4 switches:

The name can contain spaces but not special characters. Example, Hall Socket1, Hall Corner light 1, Bedroom1 tablelamp1, Bedroom1 socket1, etc.. for all the 4 switches. These names are the way to recognize the switches in Home Assistant or using Google home voice control, where voice command like, Turn on Bedroom1 tablelamp1 will turn on that particular switch. For lighting type you can select type of switch as light, this shows light symbol in Home Assistant software rather than general switch.

- After entering all the settings, click submit and Device will store the settings, will automatically reboot
- After reboot, the device will connect to your wifi router as well as home gateway system, you can check in the wifi router web admin page for connected devices.
- On successful wifi connection, wifi router named HPAI040-XXXX should not exist in your wifi list, if still there, that would mean that the device has failed to connect to your router, please follow from Step-1 to reconfigure correct wifi settings.
- On successful wifi connection, you should be able to see the device ip from your router admin page, accessing the <http://IP Address> will show the current settings of the device including wifi strength, Any number above -86db can be unstable and device may loose wifi connect, however it will try reconnect again.
- At this stage, your device is successfully installed and online. Follow the below procedure to add the device control to your Home Assistant frontend

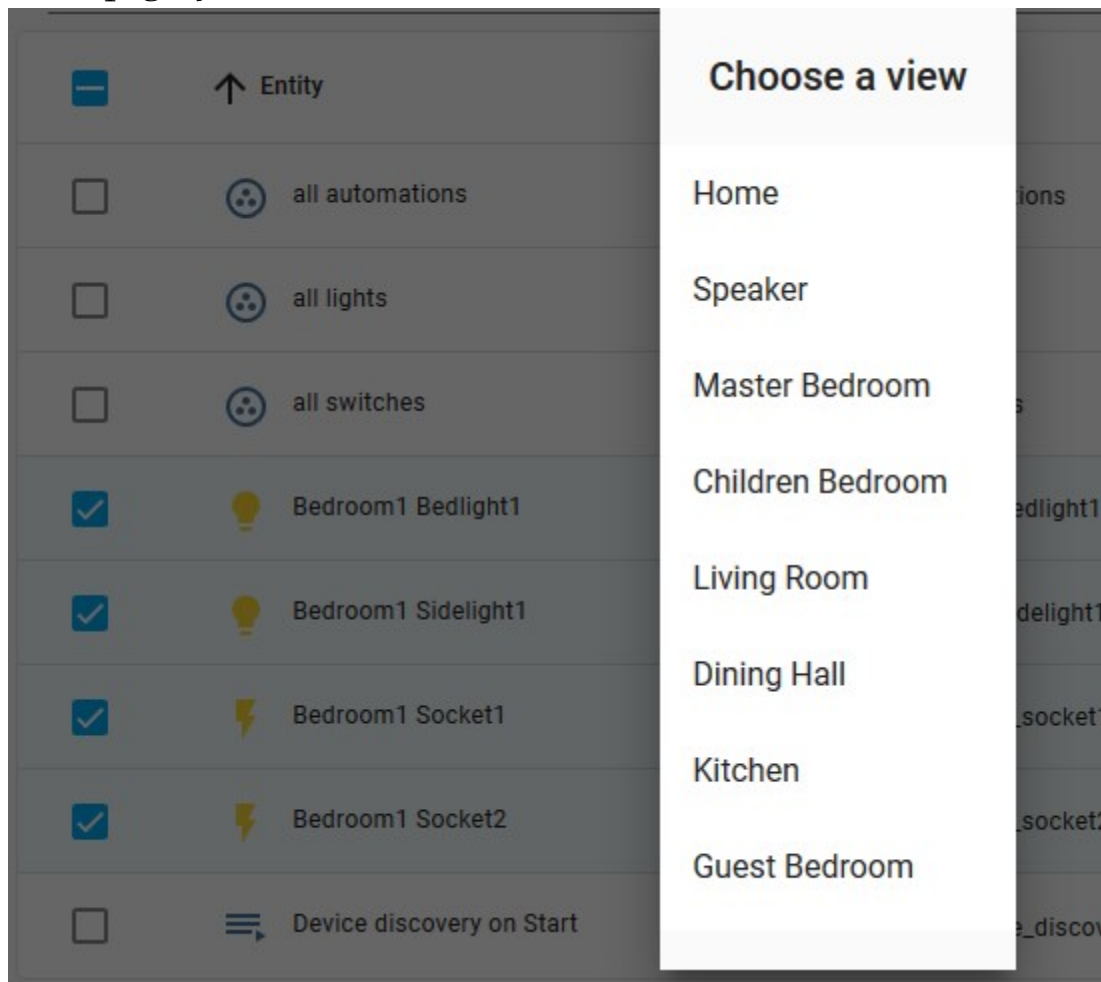
Home Assistant Configuration for HPAI040 4 Switch module:

1. Access your Home Assistant url
2. Click on “Configure Ui” (Three vertical dots on top right corner), click on “unused entries” (same three vertical dots button on top right corner).

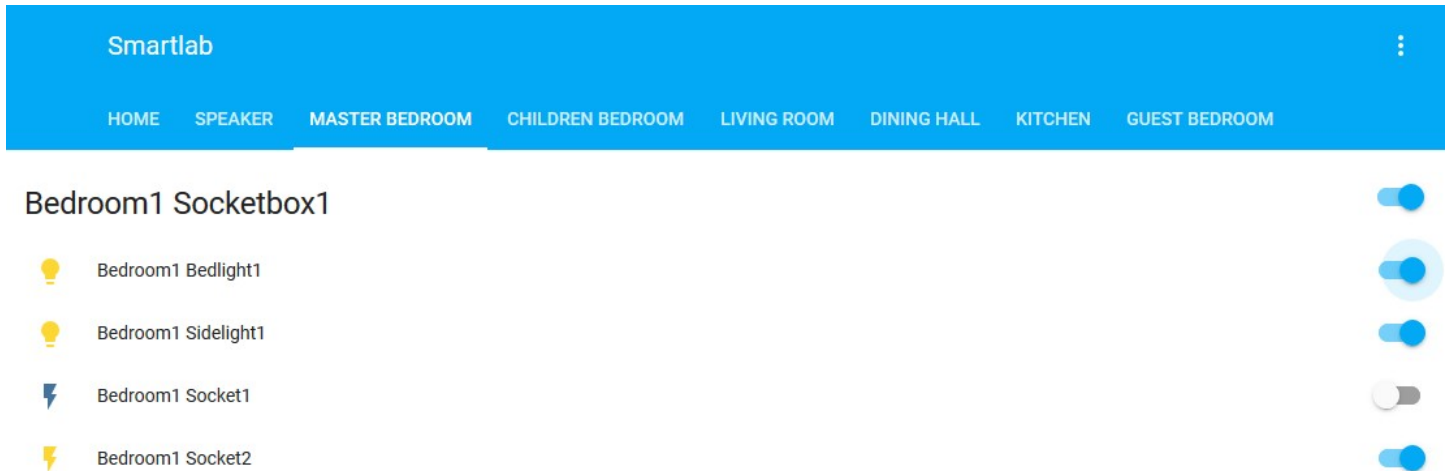
A list of items would be available as shown below:

<input type="checkbox"/>	↑ Entity	Entity id	Domain	Last Changed
<input type="checkbox"/>	⊕ all automations	group.all_automations	group	1 minute ago
<input type="checkbox"/>	⊕ all lights	group.all_lights	group	26 seconds ago
<input type="checkbox"/>	⊕ all switches	group.all_switches	group	26 seconds ago
<input type="checkbox"/>	💡 Bedroom1 Bedlight1	light.bedroom1_bedlight1	light	26 seconds ago
<input type="checkbox"/>	💡 Bedroom1 Sidelight1	light.bedroom1_sidelight1	light	26 seconds ago
<input type="checkbox"/>	⚡ Bedroom1 Socket1	switch.bedroom1_socket1	switch	26 seconds ago
<input type="checkbox"/>	⚡ Bedroom1 Socket2	switch.bedroom1_socket2	switch	26 seconds ago

3. The last 4 entries belong to the new HPAI040 you have installed, as you can see, the names you have selected while configuring the device show up exactly the same.
4. Now you need to assign a room or tab for this new switches, select the checkboxes belong to the 4 switches and click on plus symbol button at the right bottom corner of the page, you will be asked to choose a room , select a room.



5. In the next step you will be asked to select “card configuration”, click on “entities”.
6. This will ask one last question , title for the Card, this can be same as your device name you have selected above or something example Bedroom1 Socketbox1, click save and you are done.
7. Click X on top left corner to close editing , click on Master Bedroom or the room that you have chosen above to save the switches, and you would see the switches listed there as below, and you can control them.



8. This finishes the installation and configuration of your Smart Switch module HPA1040.