

First time setup instructions:

Below steps to be followed after installing and powering up the HPA8031 device.

1. From your laptop or Mobile, open wifi settings and look for wifi router named HPA8031_XXXX and connect to this wifi station using password connect123, wait 2 min for the device to start in configuration mode.
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

MODEL: HPA8031 , ENTER CONFIGURATION:

WiFi Router Name	<input type="text"/>	(Do not use Spaces)
WiFi Password	<input type="text"/>	
Device Name	<input type="text"/>	(Do not use Spaces, Ex: Sensor301)
Gateway IP Address	<input type="text"/>	
Login Name	<input type="text"/>	
Password	<input type="text"/>	

Name of Sensor, Switch used by Google Home etc..

Example: Master Bedroom Sensor, Master Bedroom Sensor Light, etc..

Sensor Name	<input type="text"/>
Switch Name	<input type="text"/>
Sensor Operating Mode:	Automation ▾

Sensor Switch On time in Minutes (Standalone Mode)	5 ▾
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Submit

- Enter your wifi router name, password.
- Enter device name without spaces and special characters, for example, LivingroomSensor1, BathroomSensor1, KitchenSensor1, etc.. 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

- Entering names: Names can have spaces, Sensor name can be Livingroom Motion Sensor, Kitchen Motion Sensor , Bathrooml Motionsensor etc...
- Name for the switch can be, Kitchen Sensorlight, Livingroom Sensorlight, Bathrooml Sensorlight etc..
- Choose Operation Mode, Standalone mode if you do not have Home Gateway System, this will automatically turn the internal switch to on when motion is detected like a normal Sensor, Choose Automation mode to connect to Home Gateway.
- 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 HPA8031-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

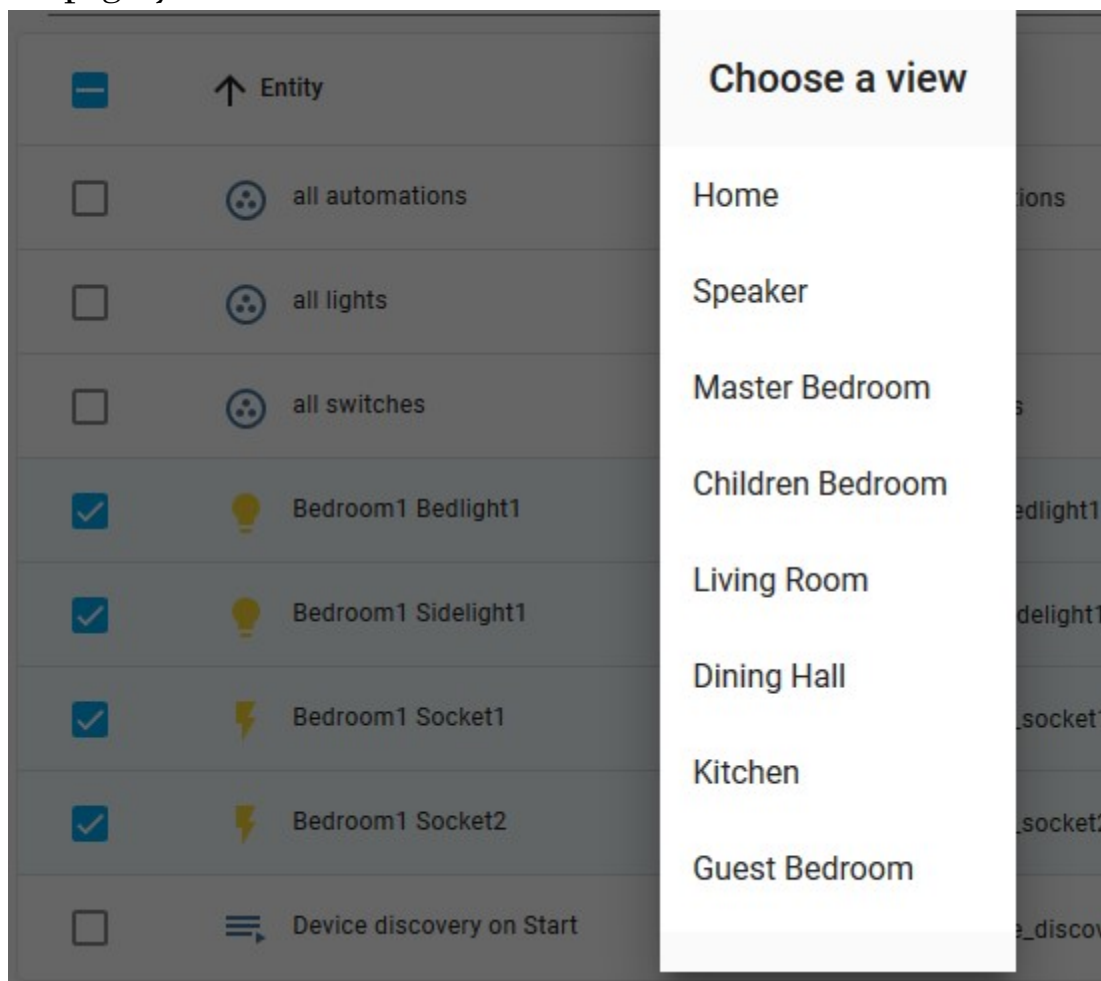
Home Assistant Configuration for HPA1040 4 Switch module:

1. At this point, your device should already be connected to Home Gateway system and switches should be visible.
2. Access your Home Assistant url
3. Click on “Configure Ui” (Three vertical dots on top right corner), click on “unused entries” (same three vertical dots button on top right corner).
4. A list of items would be available as shown below:

Q Search

<input type="checkbox"/>	↑ Entity	Entity id	Domain	Last Changed
<input type="checkbox"/>	all automations	group.all_automations	group	2 minutes ago
<input type="checkbox"/>	all switches	group.all_switches	group	39 seconds ago
<input type="checkbox"/>	Device discovery on Start	automation.device_discovery_on_start	automation	2 minutes ago
<input type="checkbox"/>	Kitchen Motionsensor	binary_sensor.kitchen_motionsensor	binary_sensor	39 seconds ago
<input type="checkbox"/>	Kitchen Sensorlight	switch.kitchen_sensorlight	switch	39 seconds ago

1. The last 2 entries belong to the new HPA8031 you have installed, as you can see, the names you have selected while configuring the device show up exactly the same.
2. Now you need to assign a room or tab for this new switches, select the checkboxes belong to the Sensor 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.



3. In the next step you will be asked to select “card configuration”, click on “entities”.
4. 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 Kitchen Sensor, click save and you are done.
5. Click X on top left corner to close editing , click on Kitchen or the room that you have chosen above to save the sensor, and you would see the sensor listed there as below, and you can control sensor switch or can see if Sensor detecting any motion.

