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MILAN INFOWAY PRODUCT MANUAL

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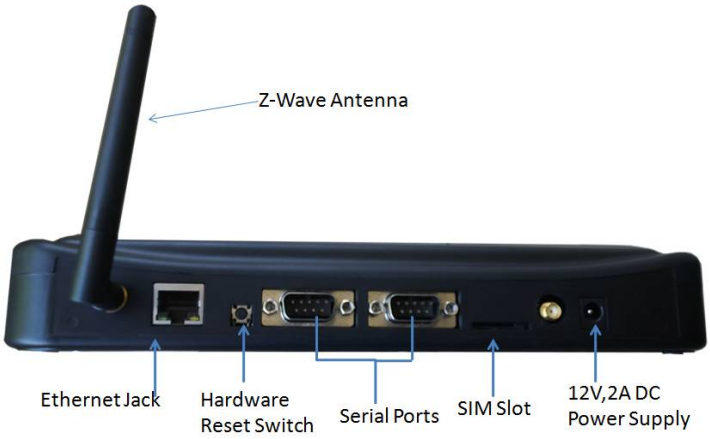
MILAN INFOWAY SPECIFICATIONS

Milan Infoway

The Milan Infoway has a powerful processor that can enable real-time control of devices.

The Milan Infoway

The Milan Infoway need to connect to a 12V,2A DC power supply, Ethernet jack for network connectivity, it has two RS232 ports for serial transmission and a GSM slot for sms triggers



Milan Infoway

General Specifications

Protocol	TCP/IP, UDP/IP, HTTP and DHCP
Operating Voltage	12 V DC / 2 A
Configuration Settings	Integrated Web Server
Output Connectors	SMA Connectors for Antenna
	RJ45 Ethernet Jack for Network Connectivity
	DC Jack for Power Connection
	Push-Push Style SIM Card holder
Wireless Devices Integration	Z-Wave controller
	900/1800 MHz Dual Band GSM Modem

Z- Wave Specifications

Command Classes:

COMMAND_CLASS_CONTROLLER_REPLICATION

COMMAND_CLASS_BASIC

COMMAND_CLASS_VERSION

COMMAND_CLASS_SECURITY

COMMAND_CLASS_MANUFACTURER_SPECIFIC

COMMAND_CLASS_ZWAVEPLUS_INFO

COMMAND_CLASS_ASSOCIATION_GRP_INFO

COMMAND_CLASS_ASSOCIATION

COMMAND_CLASS_APPLICATION_STATUS

COMMAND_CLASS_DEVICE_RESET_LOCALLY

COMMAND_CLASS_POWERLEVEL

COMMAND_CLASS_CRC_16_ENCAP

COMMAND_CLASS_MULTI_CHANNEL

COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION

COMMAND_CLASS_WAKE_UP

SECURELY SUPPORTED COMMAND CLASSES:

COMMAND_CLASS_CONTROLLER_REPLICATION

COMMAND_CLASS_BASIC

COMMAND_CLASS_VERSION

COMMAND_CLASS_SECURITY

COMMAND_CLASS_MANUFACTURER_SPECIFIC

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MILAN INFOWAY CONFIGURATION GUIDE

After Successfully installing Milan Infoway the following procedure will help you to configure the Infoway.

Finding IP Address

After making the needed connections to the infoway, turn on the power to the Milan infoway. The power LED will light up indicating that the infoway is ON. The status LEDs in the Ethernet jack will also blink confirming the device's ability to operate with the Ethernet.

Option 1:

From any networked computer, open the IP Discovery Tool and click the "Discover Devices" option. It will display the Milan infoway along with information such as IP Address, Host Name and MAC Address.

Option 2:

Use Fing tool on your iPad / Android to find the Infoway IP easily.

Option 3:

Download the IP discovery tool from www.milanity.com and execute the software. Check for the correct IP for your Infoway. (Ex: Your Infoway IP is 192.168.1.119).In this case, Open the browser and type **"192.168.1.119:6161"**.Now you will be redirected to Infoway unique serial number page.

Infomap

After finding the IP, please type the IP in any browser to login the infomap (as shown in figure 1) the default username is "milan" and password is "password"

Figure 1

After successful login you will see the following page (as shown in figure 2)

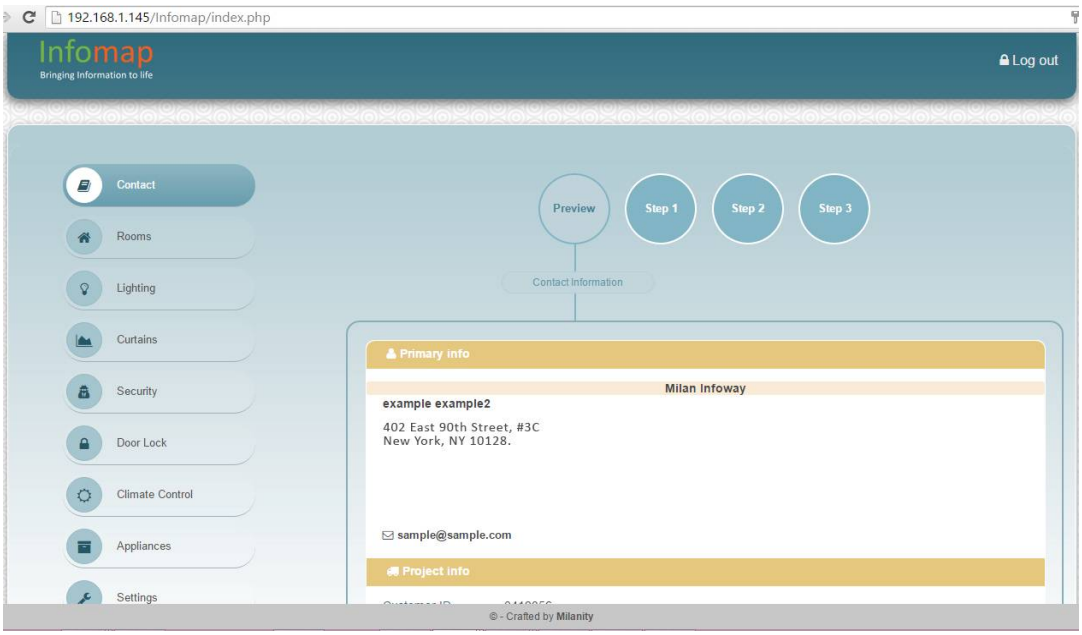

Figure 2

Z-Wave Information

Click "Settings" tab and click on "Wireless Settings" (as shown in figure 3 and figure 4)

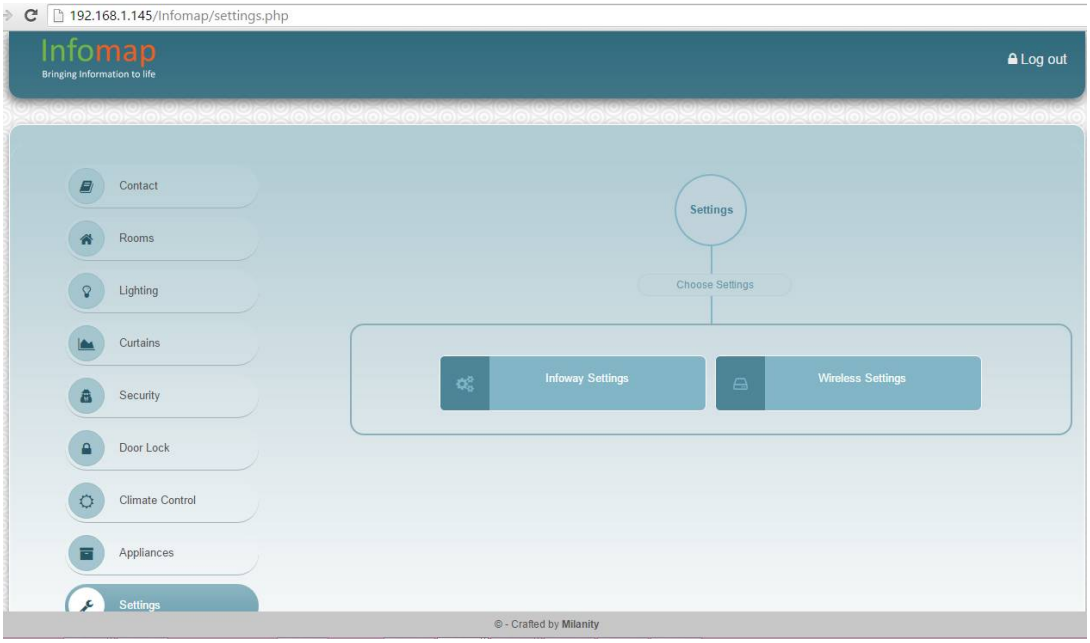

Figure 3

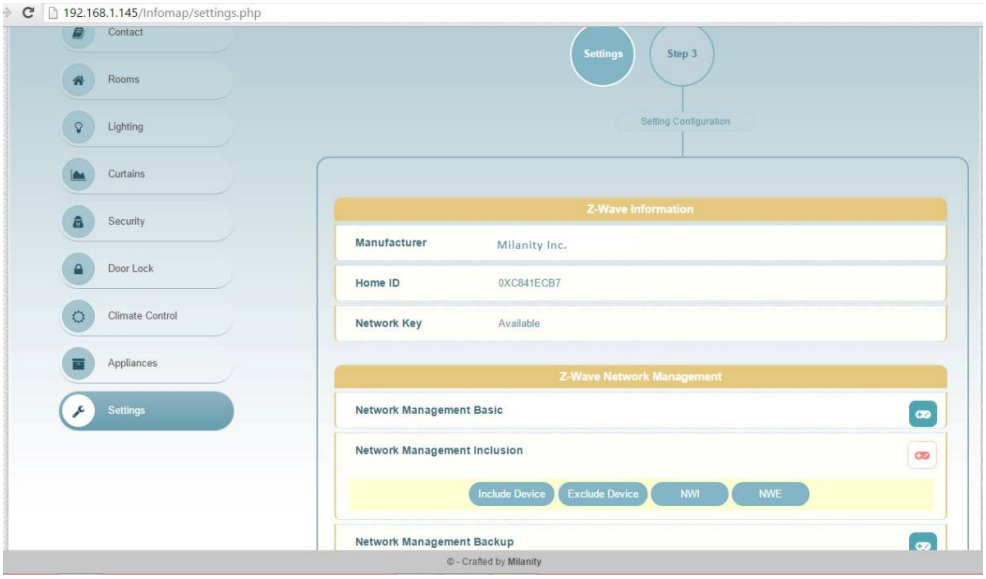

Figure 4

Wireless Lighting:

Add for inclusion/Remove for exclusion:

The inclusion/exclusion in this page is called "low power inclusion/low power exclusion"

Click on "Lighting" tab (as shown in figure 5)

Figure 5

Now Click on "Wireless Lighting" (as shown in figure 6)

Figure 6

Click on "Add/Remove" button for inclusion/exclusion of a device from a network, when you click the "Add/Remove" you will see a popup window (as shown in figure 7)

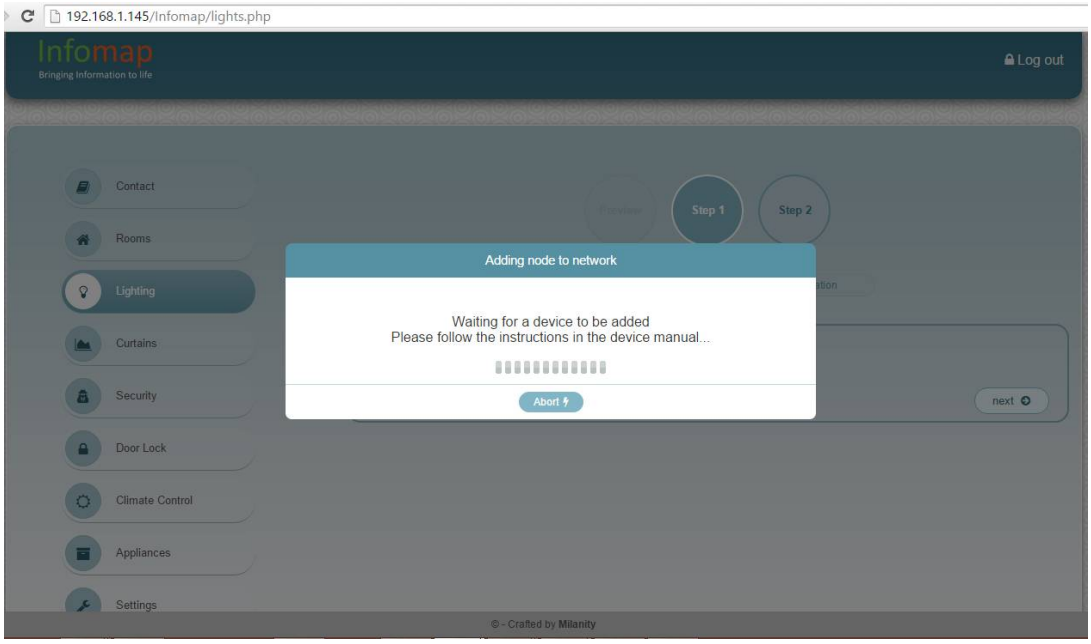

Figure 7

If you unable to press the device program switch within one minute time, the controller will be unable to add the device (as shown in figure 8)

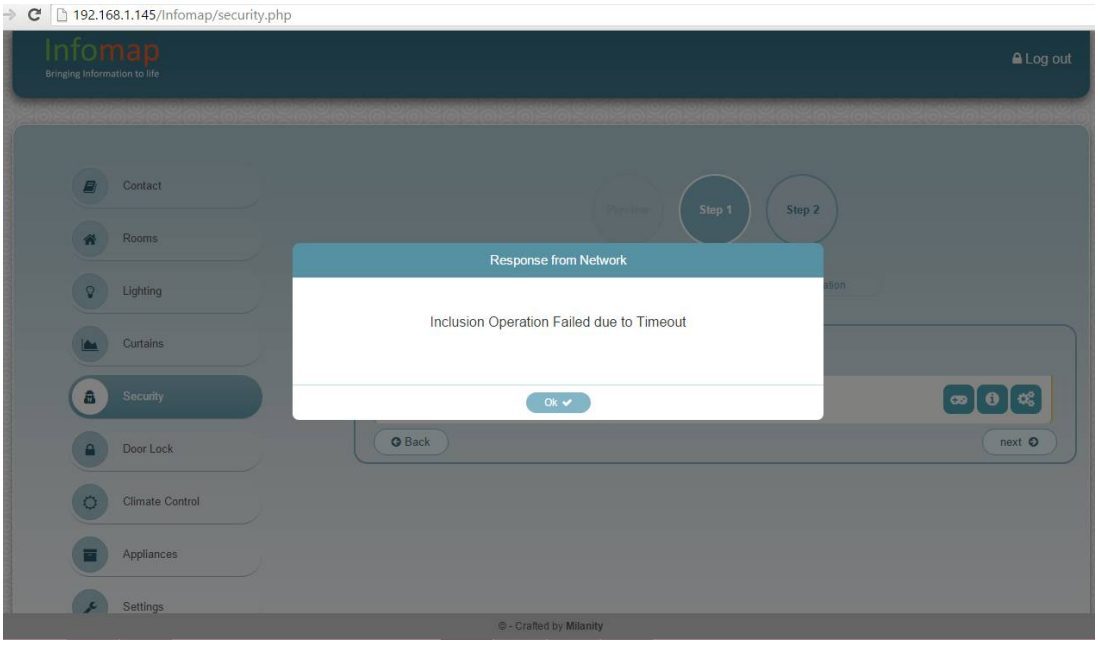

Figure 8

Remove for Exclusion:

To add a device into a network, you need to first remove it and then add for smooth inclusion.

Now click "Remove" button in the "Wireless Lighting" in "Lighting" and you will see the pop up window (as shown in figure 9)

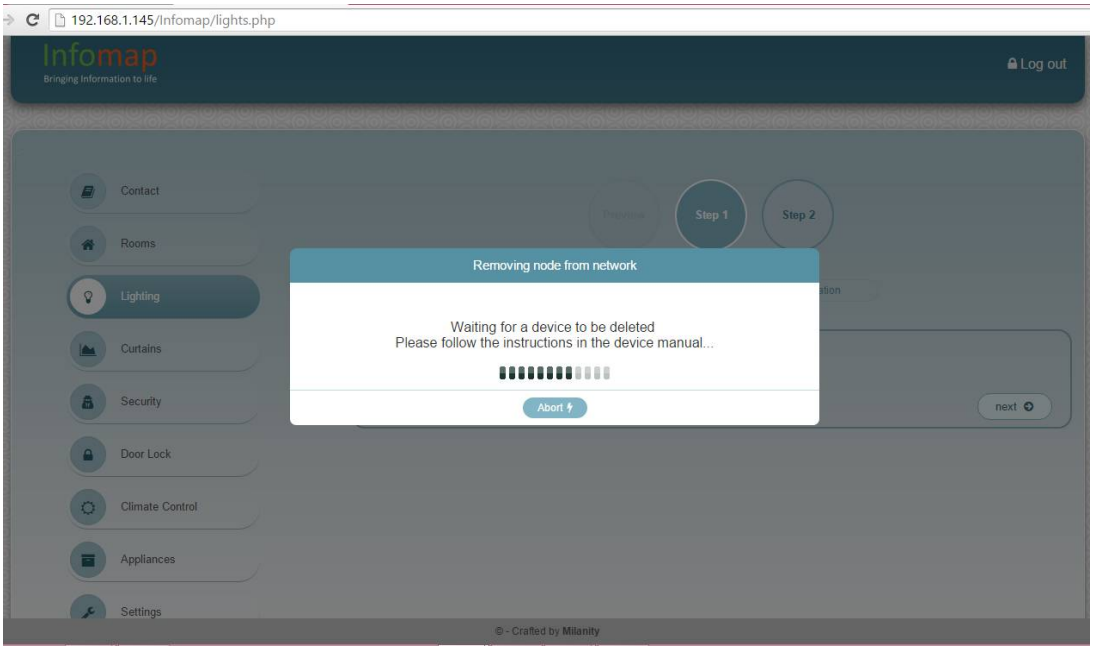

Figure 9

When you press the program switch in quick session for three times, after successful removal of node you will see another pop up window (as shown in figure 10)

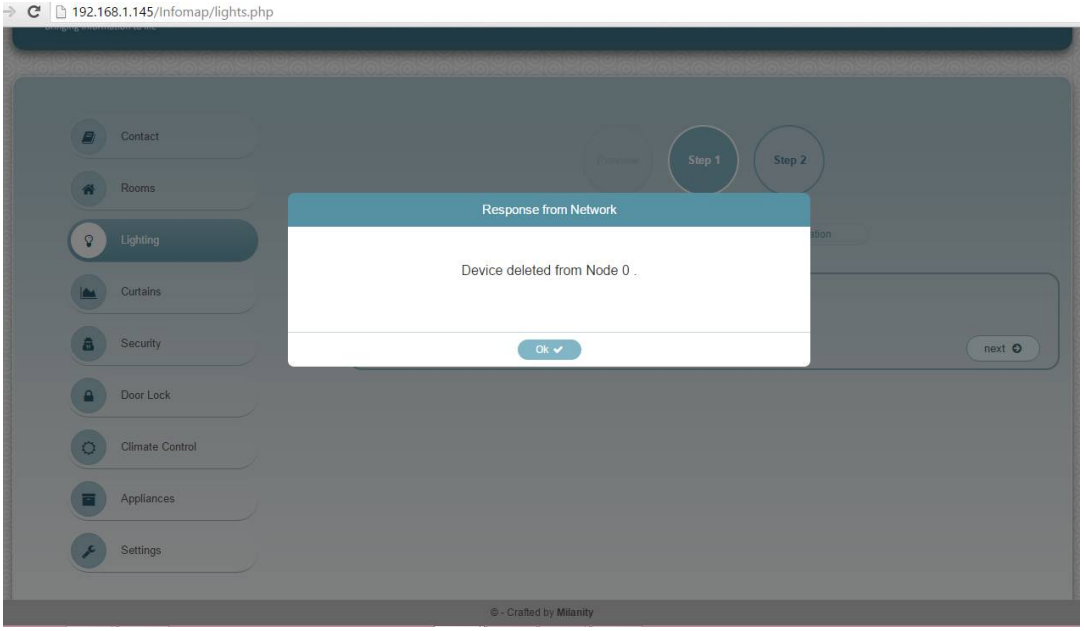

Figure 10

Add for Inclusion:

Click "Add" button and you will see the pop up window (as shown in figure 11)

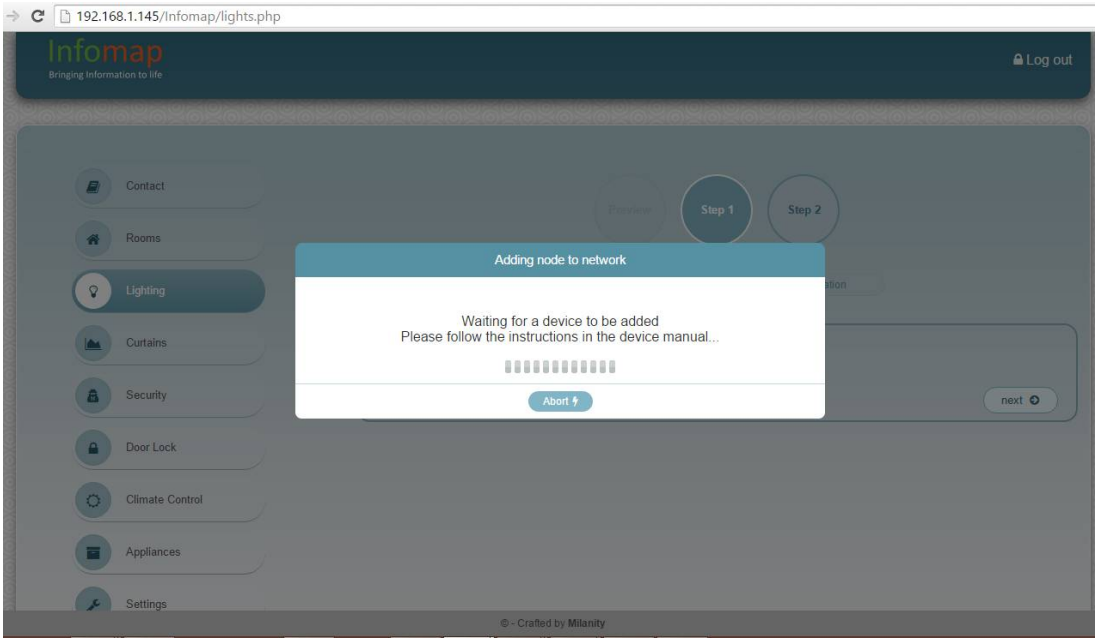

Figure 11

When you press the program switch in quick session for three times, after successful addition of node you will see another pop up window (as shown in figure 12)

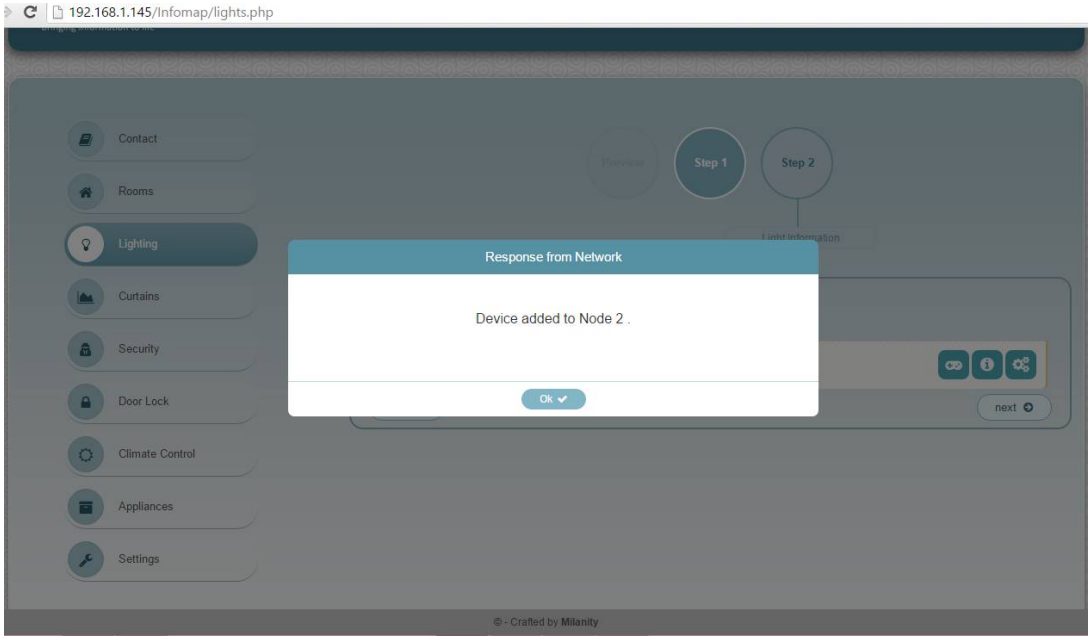

Figure 12

When the node is added to z-wave network, we need to configure the node and in the mean time we can check the node functionality

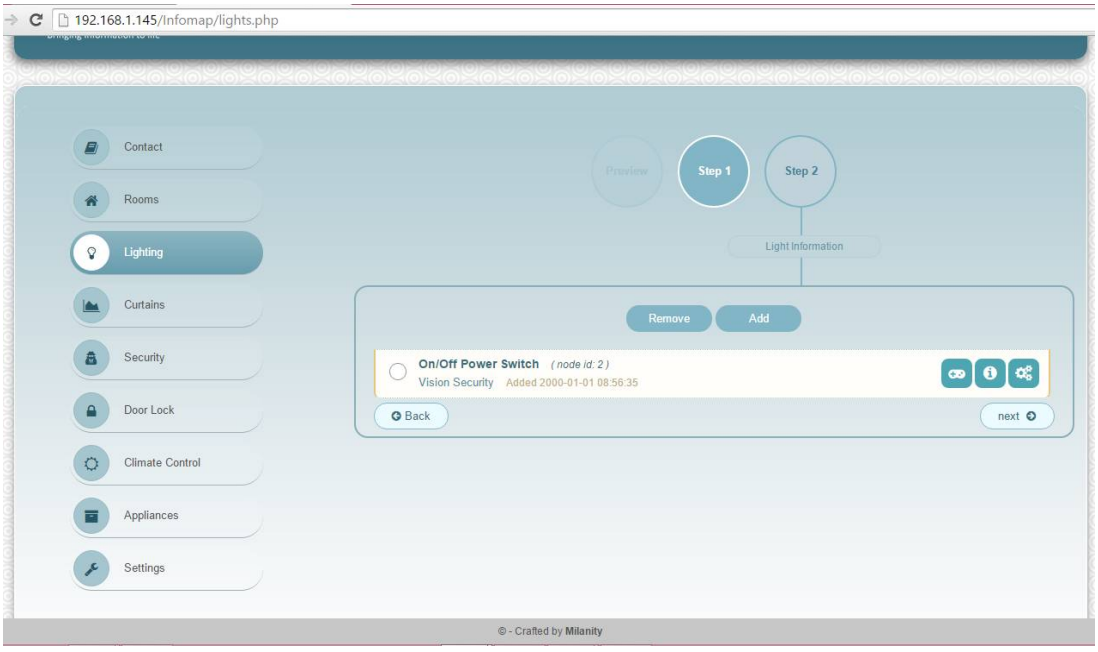

Figure 13

To check the added node click on "control" icon (as shown in figure 14) and just click on "ON" or "OFF" to check the functionality

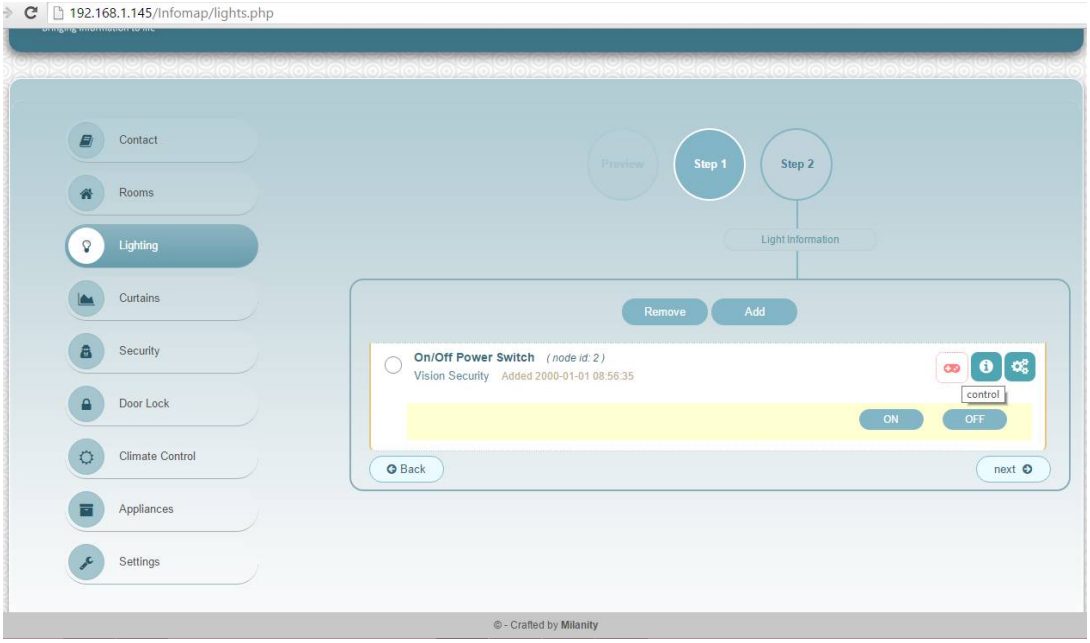

Figure 14

To check the device status, click on "status" icon (as shown in the figure 15) and you will see the "Device Status" as alive when the device is powered and "Switch Value" as 0 (as shown in figure 16) or 255 (as shown in figure 17) depends on the light status.

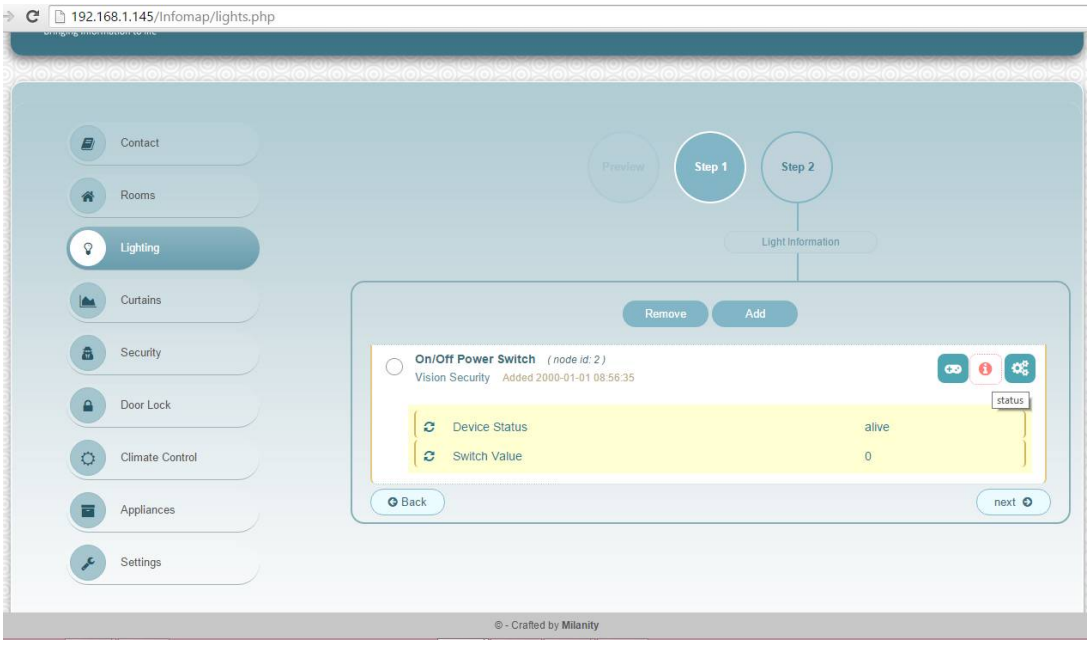

Figure 15

Device is in OFF state, the switch value is 0

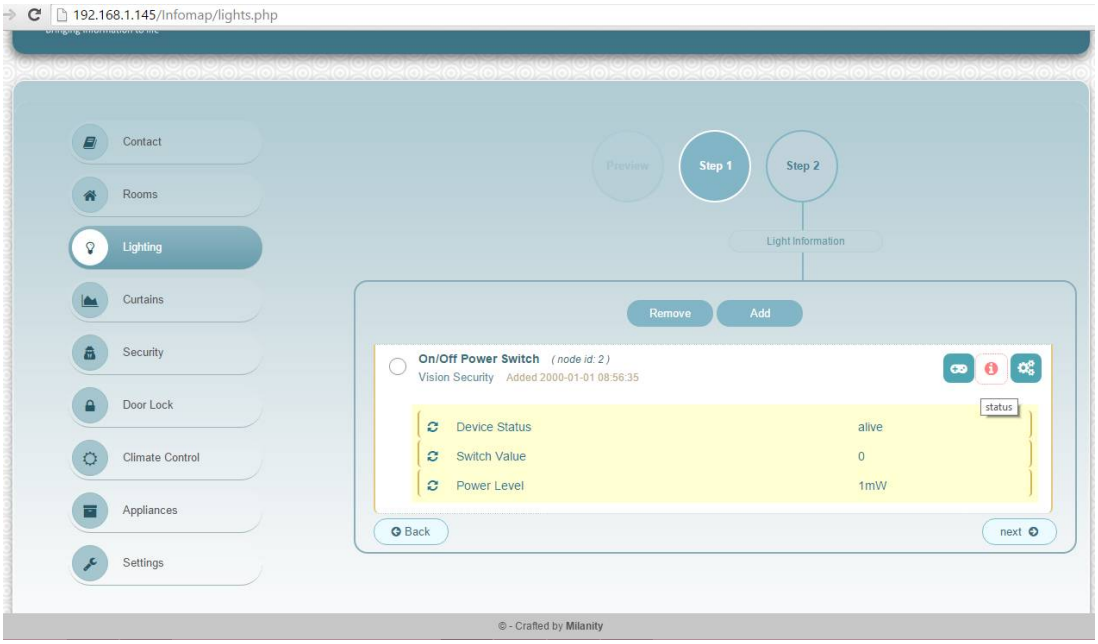

Figure 16

Device is in ON state, switch value is 255

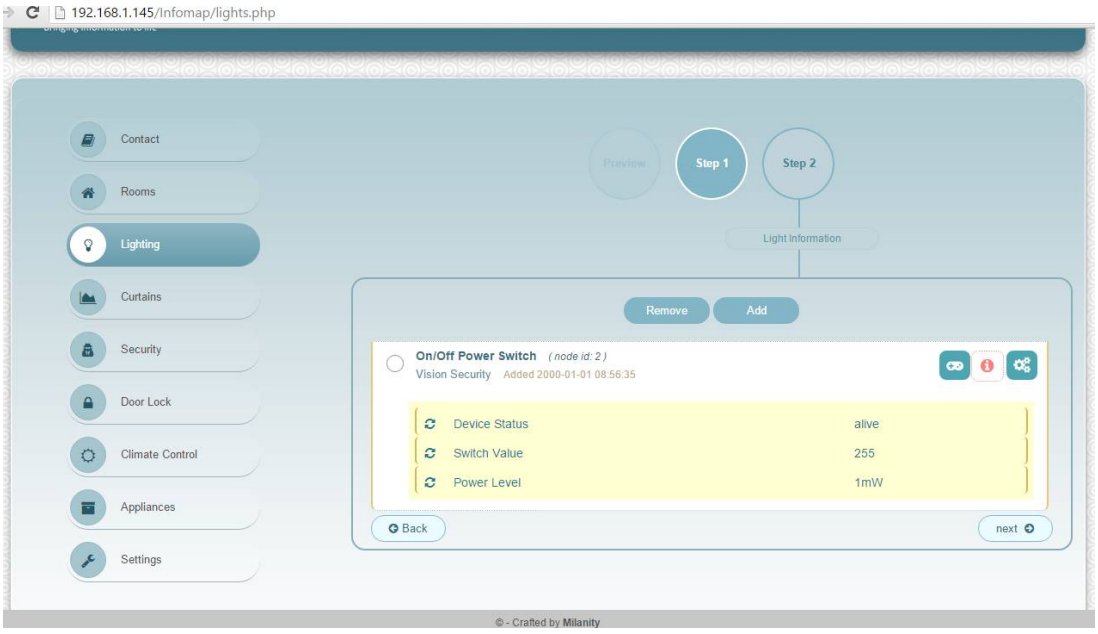

Figure 17

To check the device settings, click on "settings" icon (as shown in figure 18) and you will see the following options

CHECK POWER USAGE - Gives power usage details as "level" (as shown in figure 18),"power undefined" (as shown in figure 19)

RESET LOCALLY- It is useful to reset internally

DEVICE STATUS- It will give you the device status

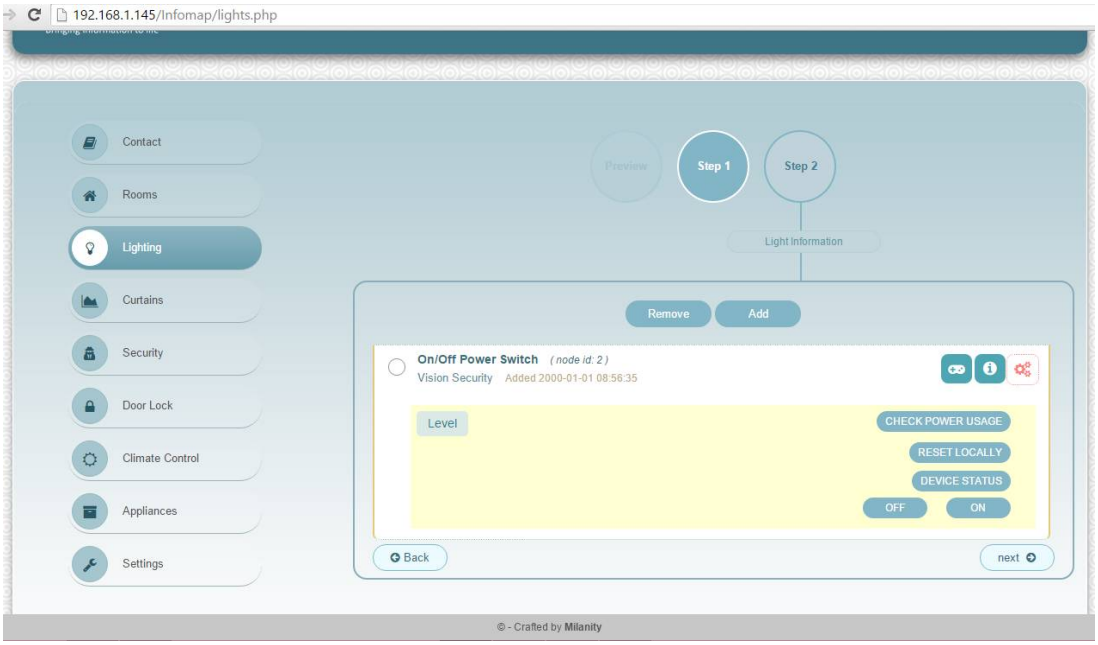

Figure 18

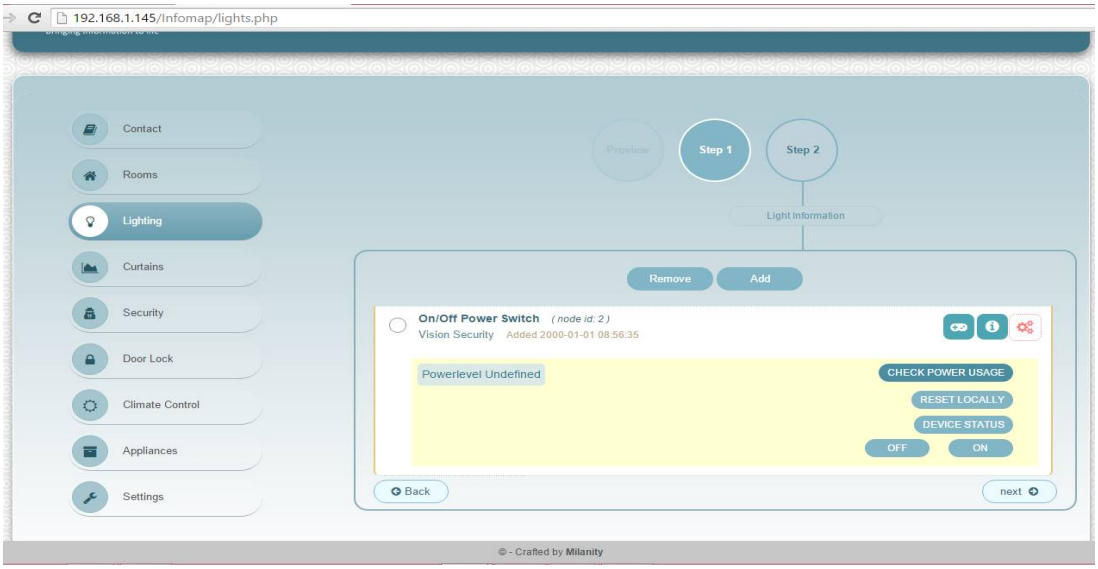

Figure 19

When you pressed the "CHECK POWER USAGE" in "settings" tab, you can see the "Power Level" in "information" tab (as shown in figure 20)

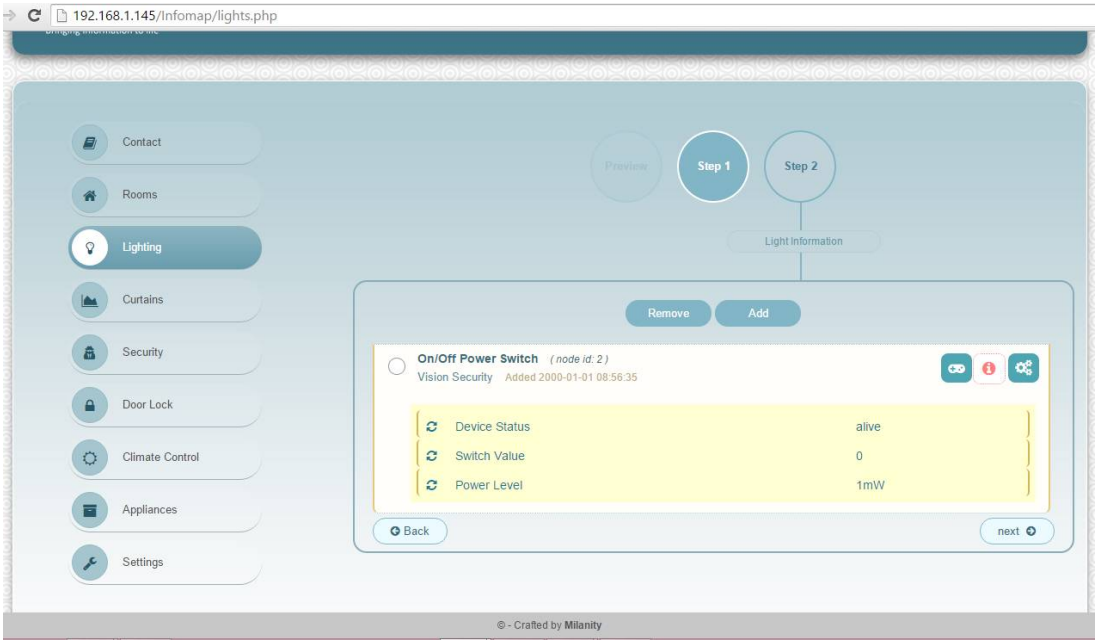

Figure 20

After getting the device powered ON, then you can see the "Check Power Usage" as 1mW (as shown in figure 21)

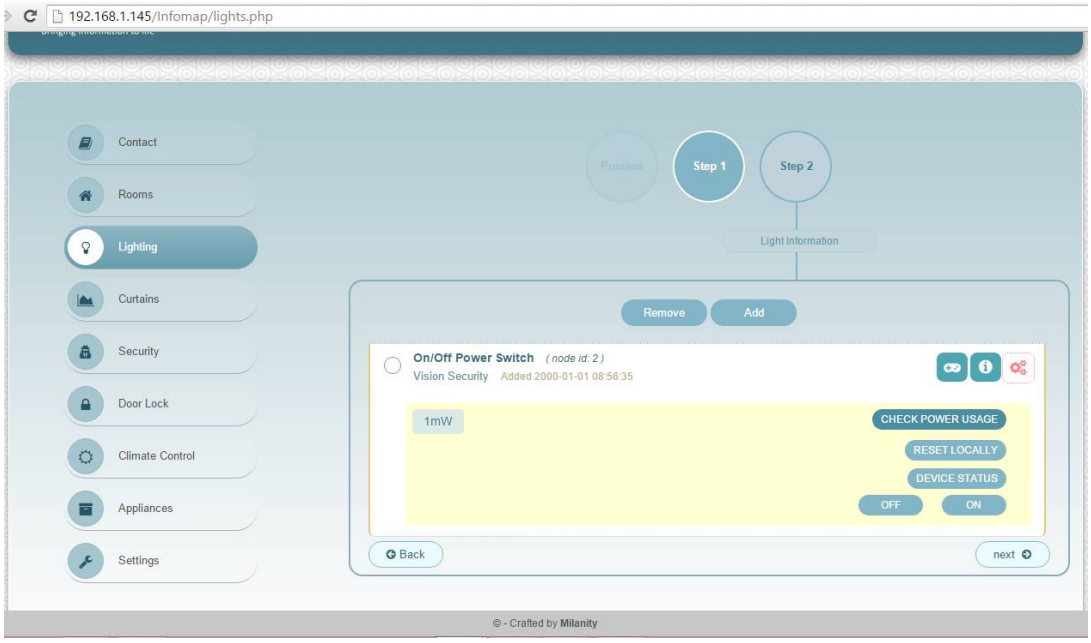

Figure 21

If you click on "DEVICE STATUS", you will see a pop up (as shown in figure 22)

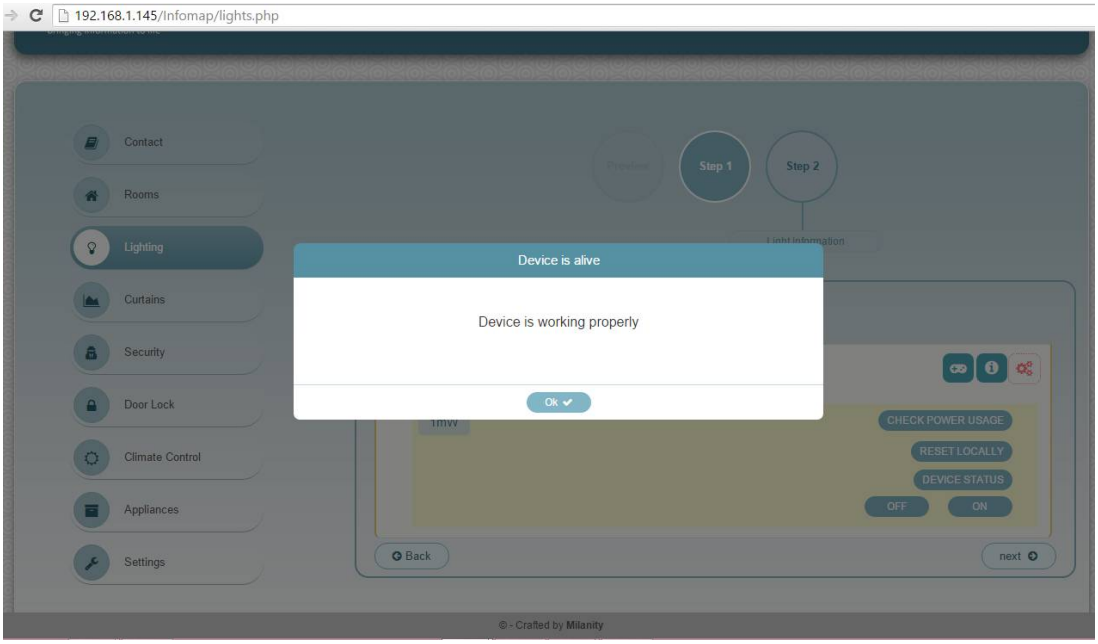

Figure 22

Configure the device by giving a friendly name to it (as shown in figure 23)

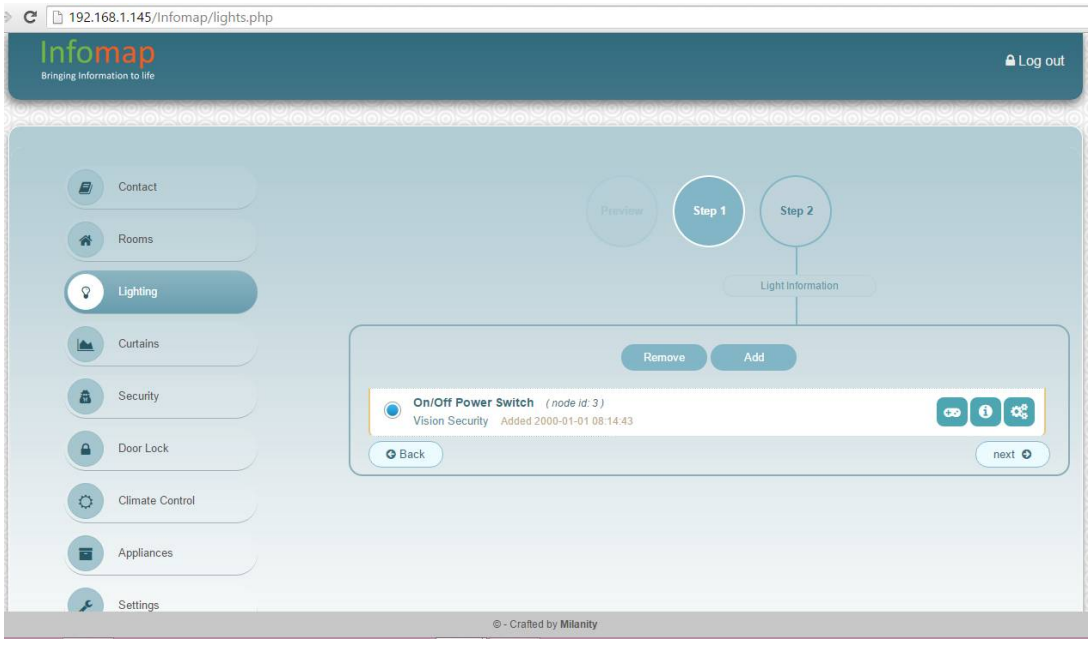

Figure 23

Click on "next" and you can see a new window (as shown in figure 24)

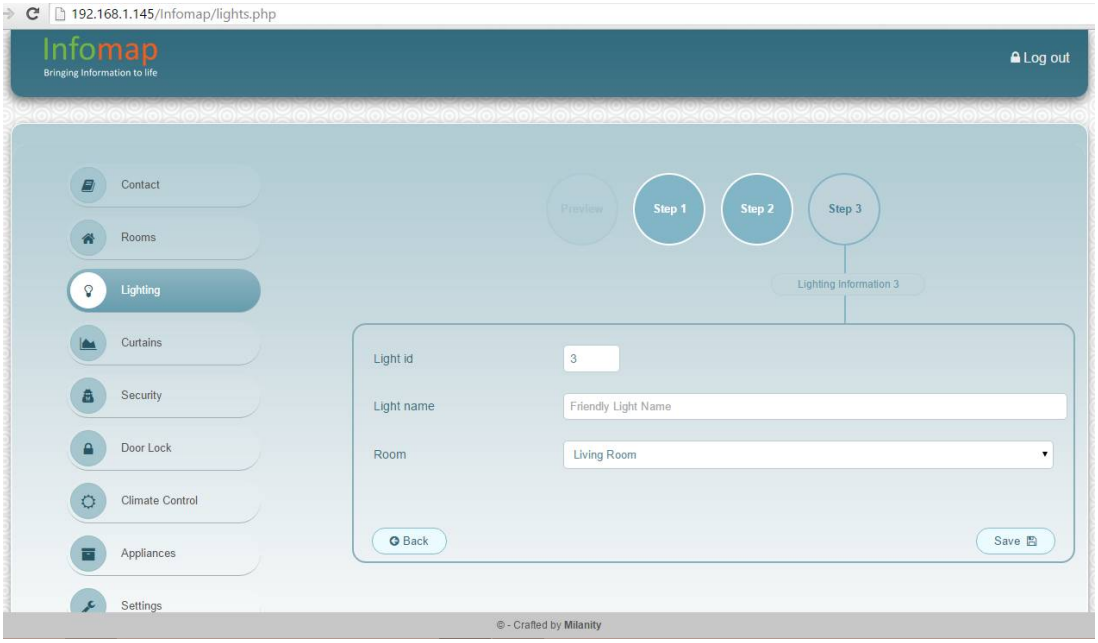

Figure 24

Give a friendly name to it (as shown in figure 25) and click on "save"

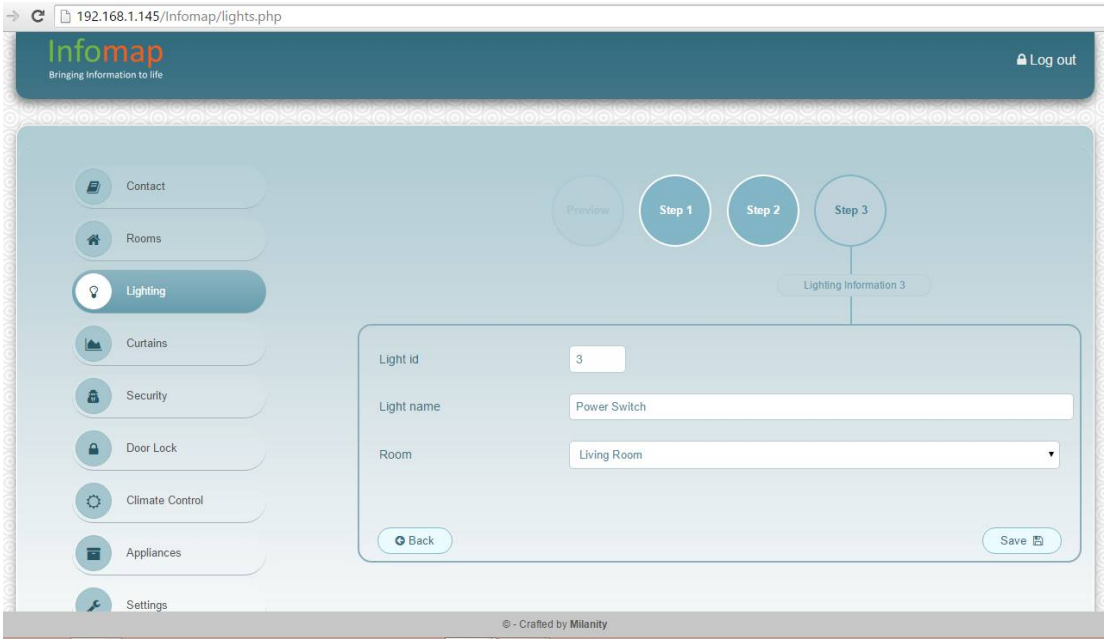

Figure 25

You can see the configured light name (as shown in figure 26), in this you can also able to edit and delete this node, to see this los user interface please refer Milan Infospace manual.

Figure 26

Security:

To add any notification sensor, click on "Security" (as shown in figure 27)

Figure 27

Click on "Wireless Security" (as shown in figure 28) and When successfully added a sensor you can see the node id of it and you can also see the association of the sensor by click on "settings" (as shown in figure 29)

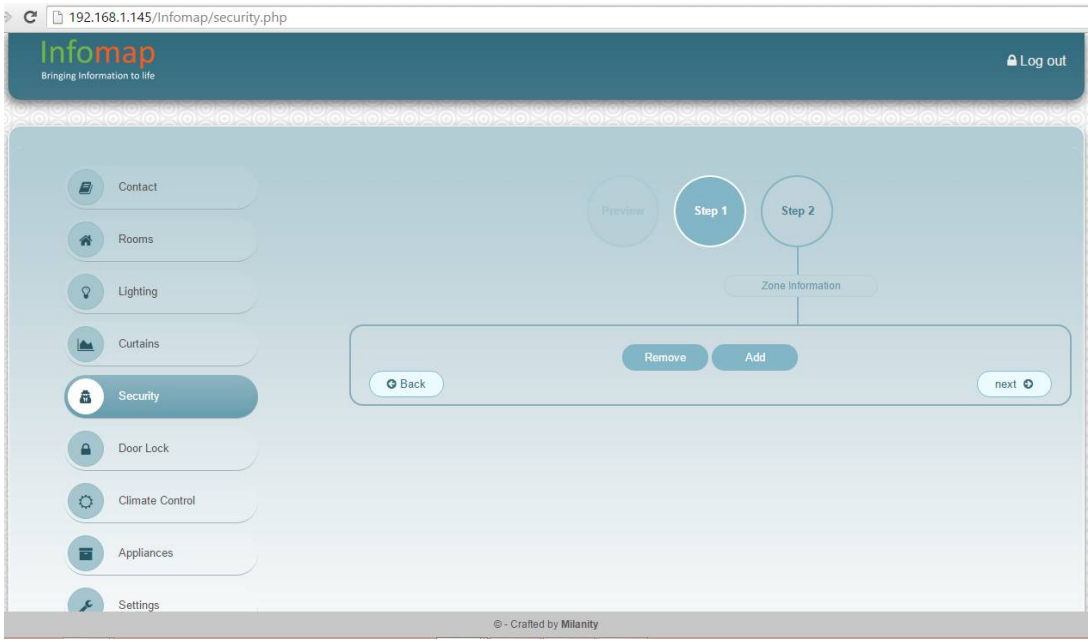

Figure 28

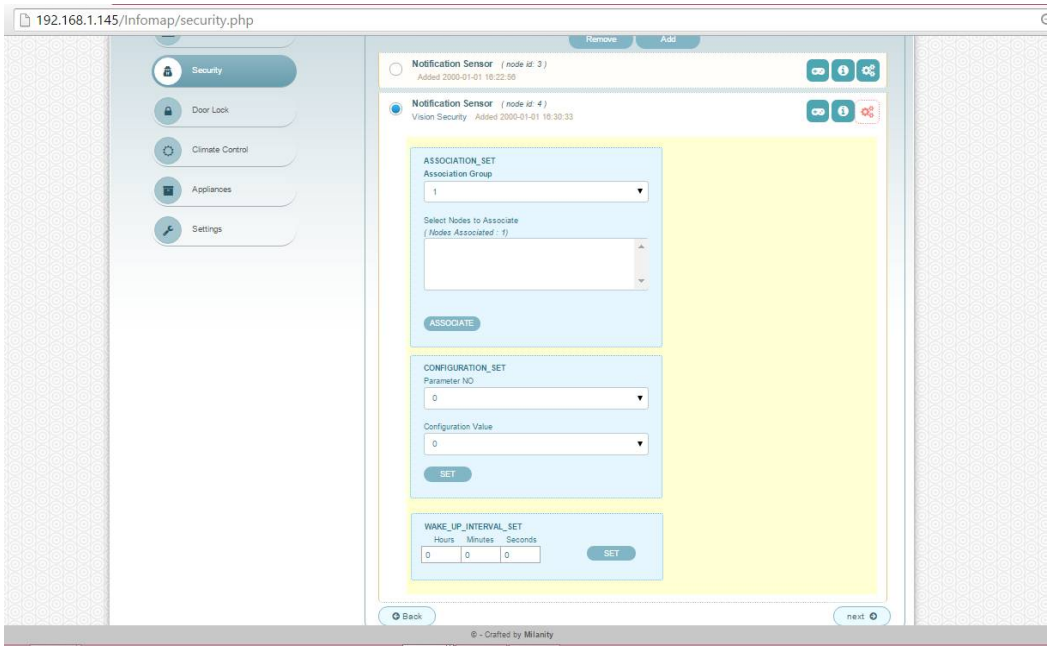

Figure 29

The Normal Power Inclusion/ Exclusion:

Now to add/exclude a powered device from a long range you can use "Normal Power Inclusion/Exclusion"

To access this function, click on "Settings" and click on "Network Management Inclusion" under this you can find a "Include Device", "Exclude Device", "NWI" and "NWE" (as shown in figure 30)

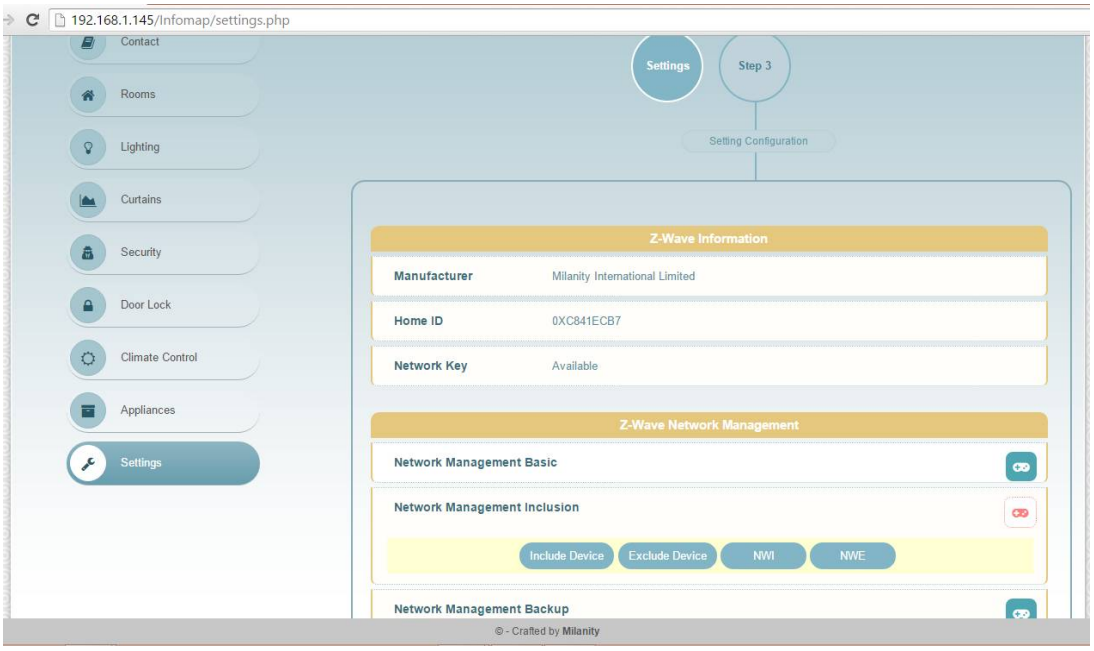

Figure 30

To exclude a device, click on "Exclude Device" (as shown in figure 31)

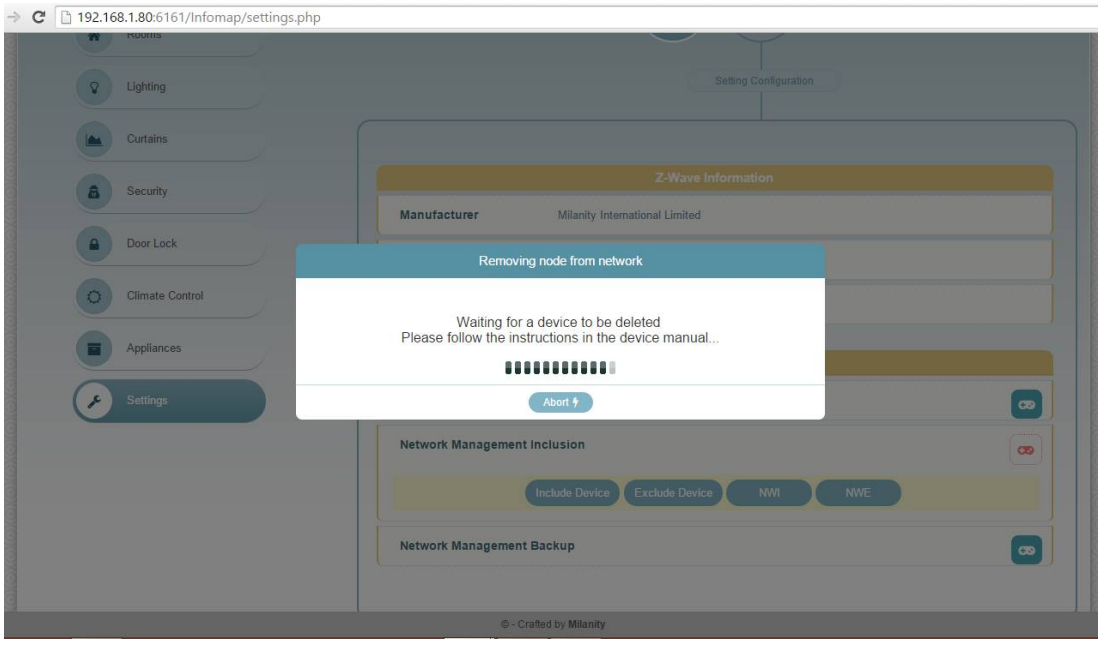

Figure 31

When you press the program switch in quick session for three times, after successful removal of node you will see another pop up window (as shown in figure 32)

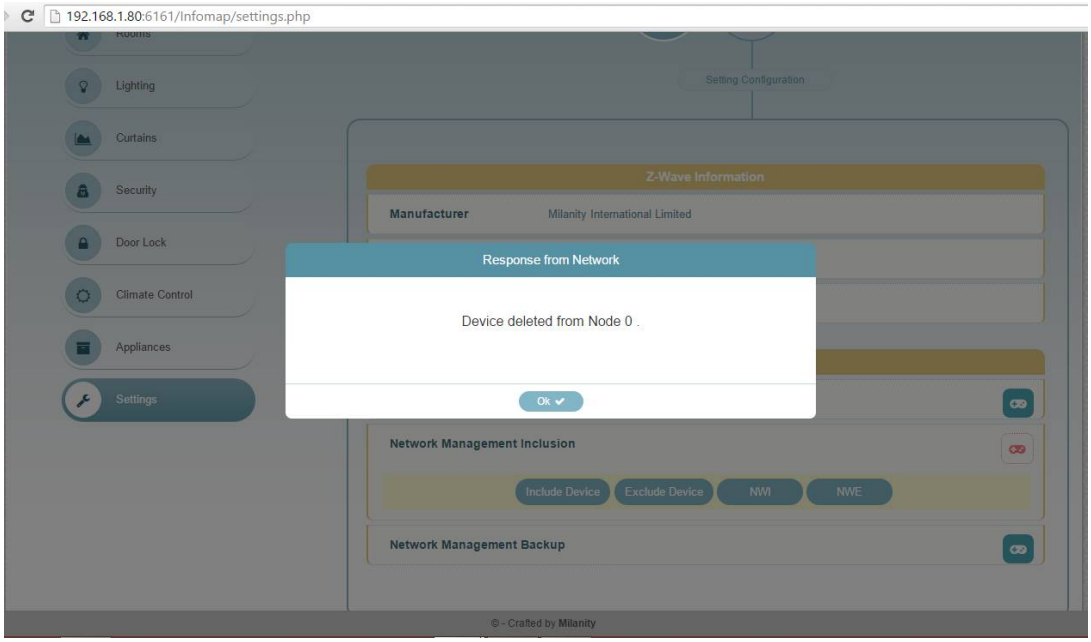

Figure 32

To include a device, click on "Include Device" (as shown in figure 33)

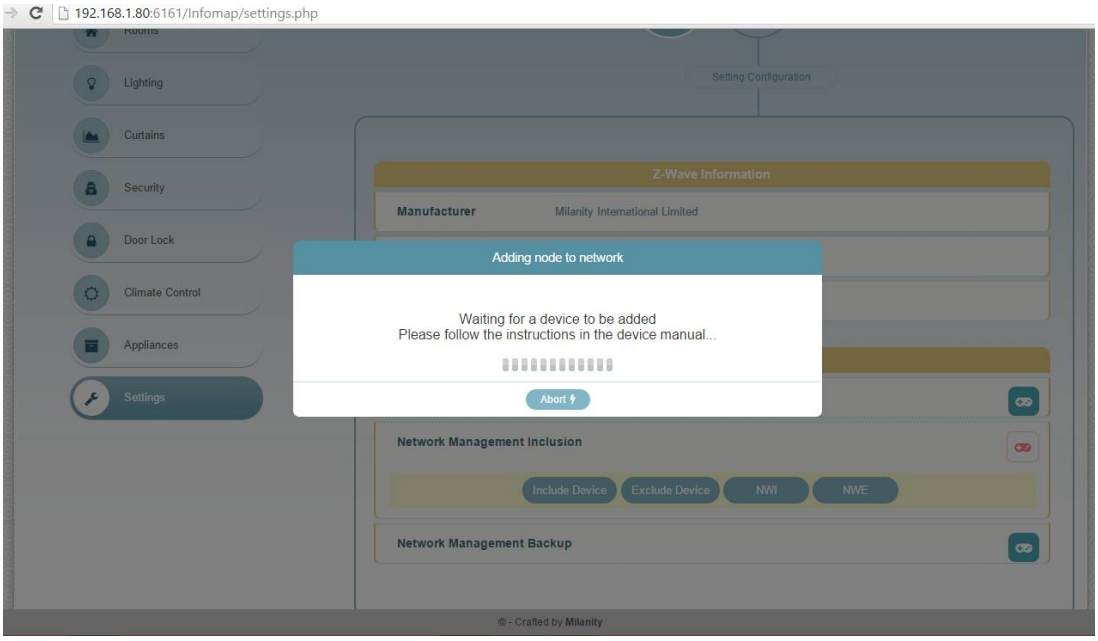

Figure 33

When you press the program switch in quick session for three times, after successful addition of node you will see another pop up window (as shown in figure 34)

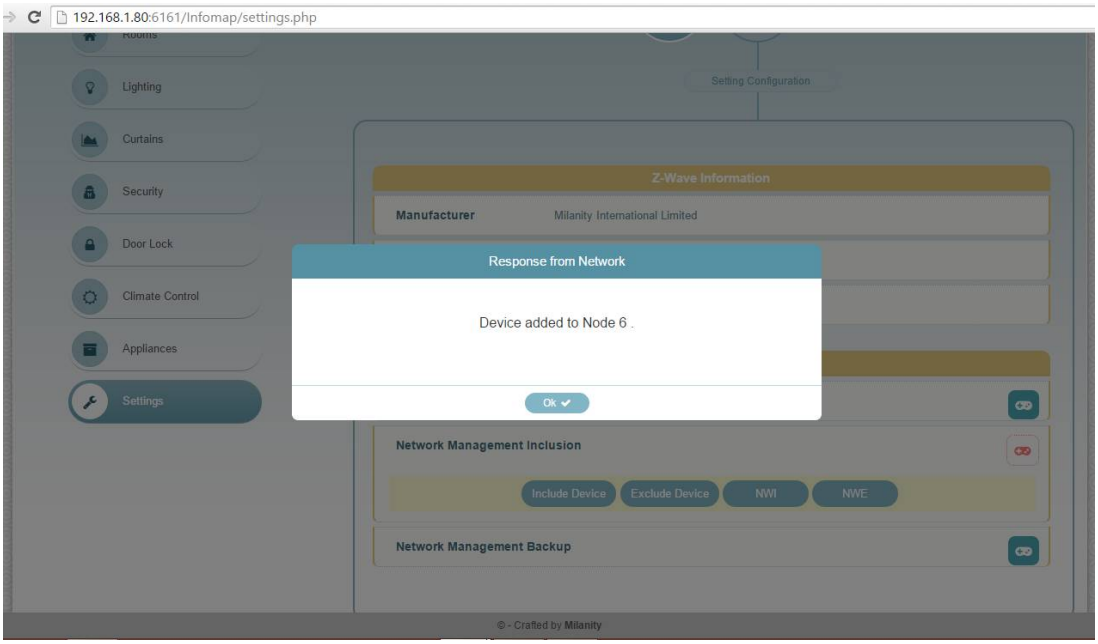

Figure 34

Reset of z-wave controller:

Should you ever need to reset the controller, click on "Settings" and click on "Network Management Basic" and click on "Controller Reset" (as shown in figure 35)

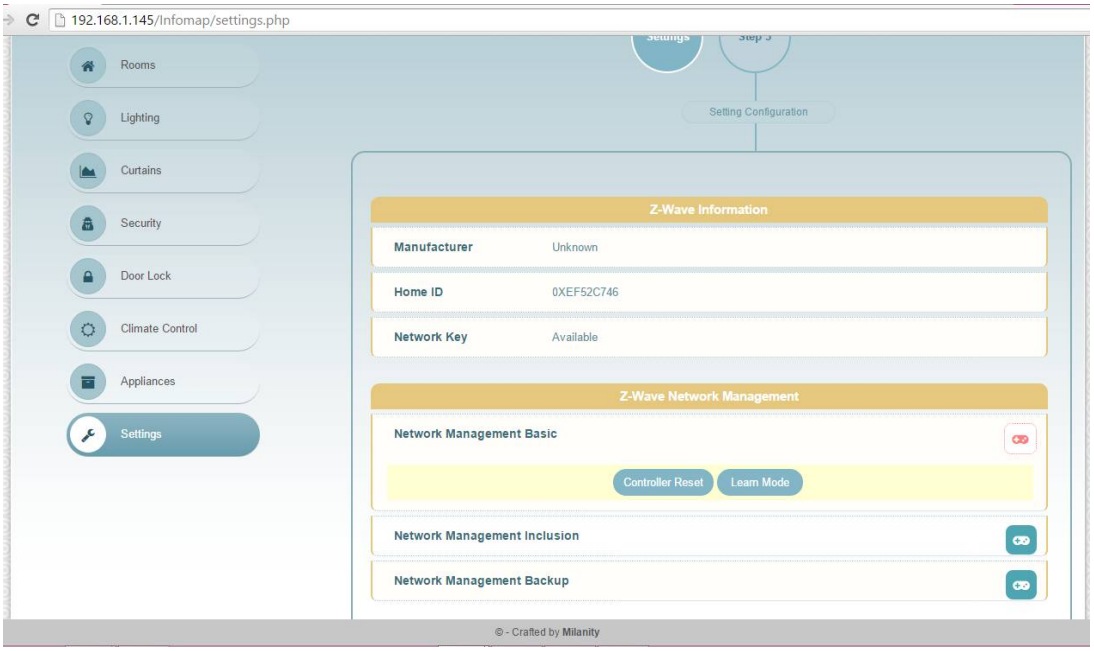

Figure 35

You will be alerted with a popup for reconfirmation about controller reset (as shown in figure 36) and click on "Yes"

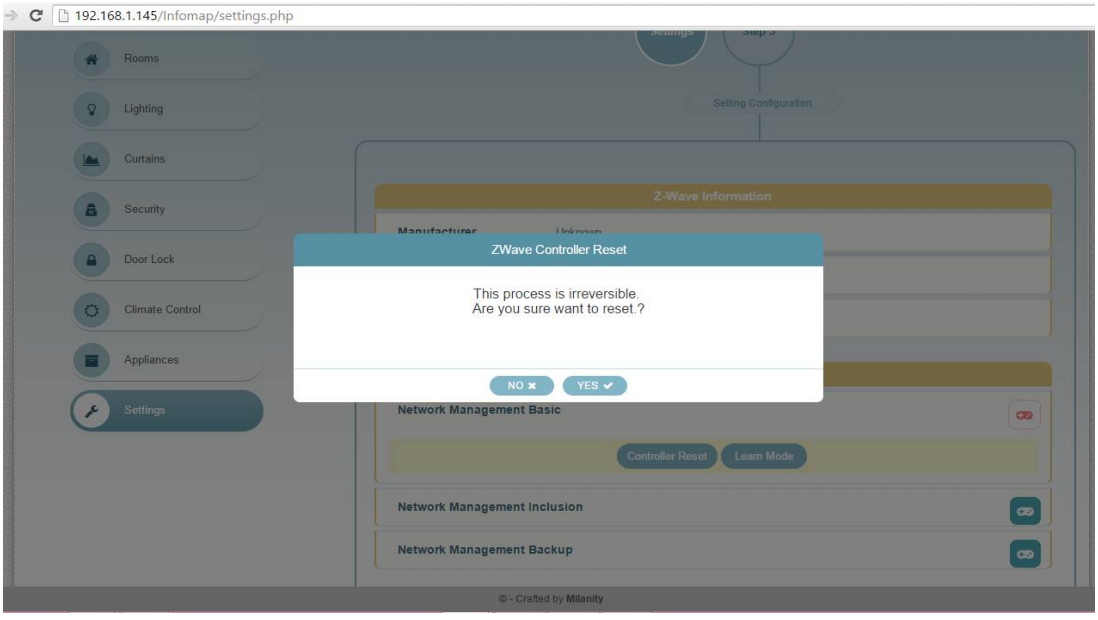

Figure 36

Next you need to enter "Password" (default password is "password") and click on "Reset" (as shown in figure 37)

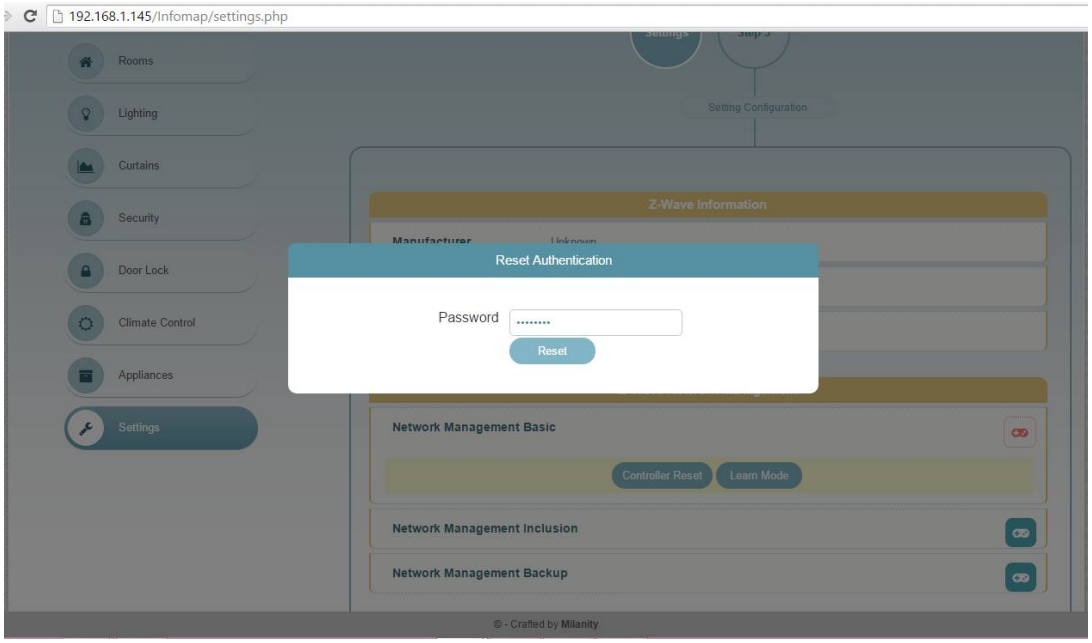

Figure 37

Please do not refresh or power off the controller when it is under process of reset

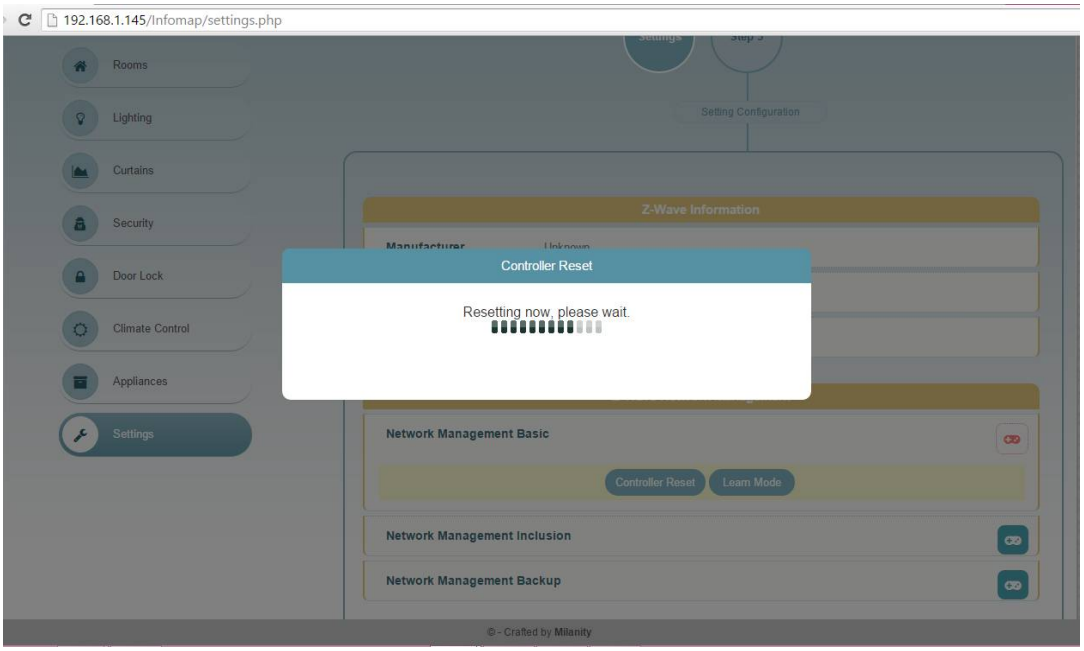

Figure 38

After successful reset you can see a popup (as shown in figure 39) and click "Ok"

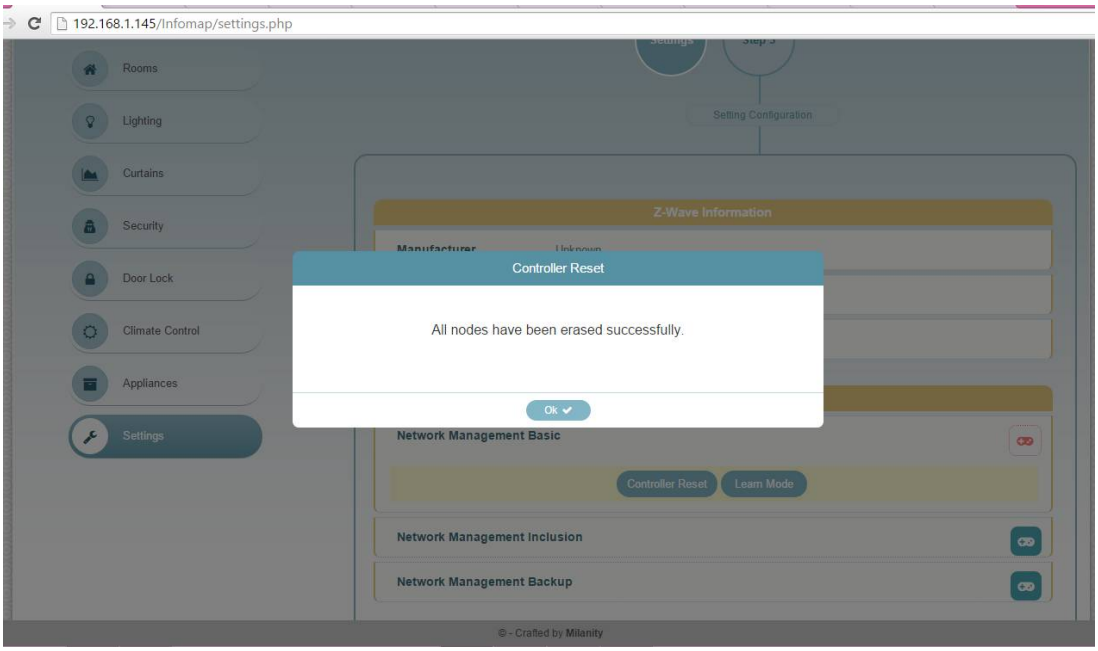

Figure 39

Learn Mode:

In learn mode, the controller will become a slave to another controller. After successful learn mode the controller will not be able to add/remove any node.

click on "Settings" and click on "Z-Wave Network Management" (as shown in figure 40)

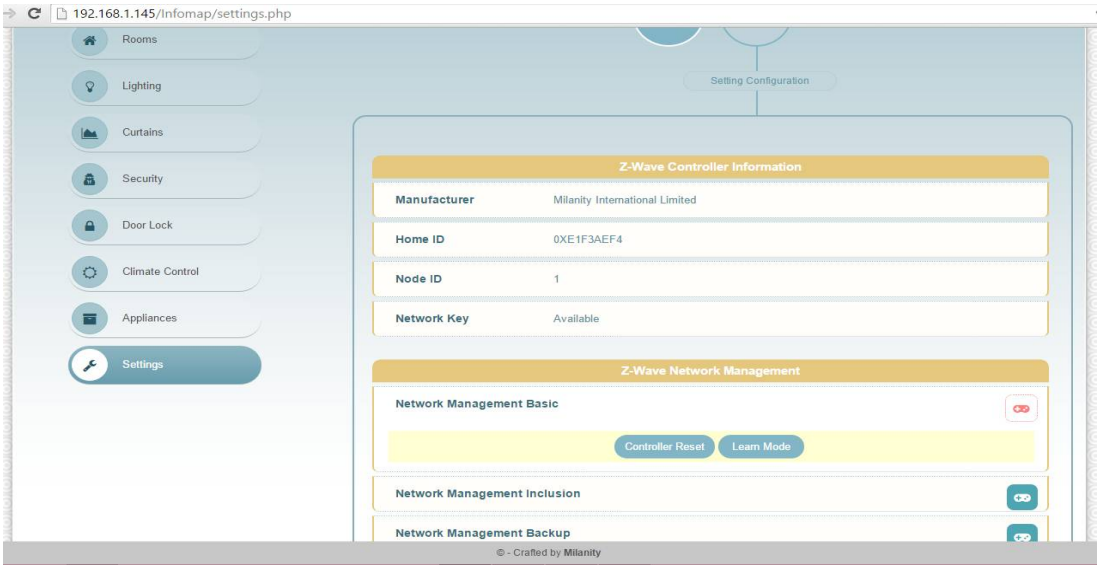

Figure 40

Now click on "Learn Mode", you can see a pop up (as shown in figure 41) and click on "YES"

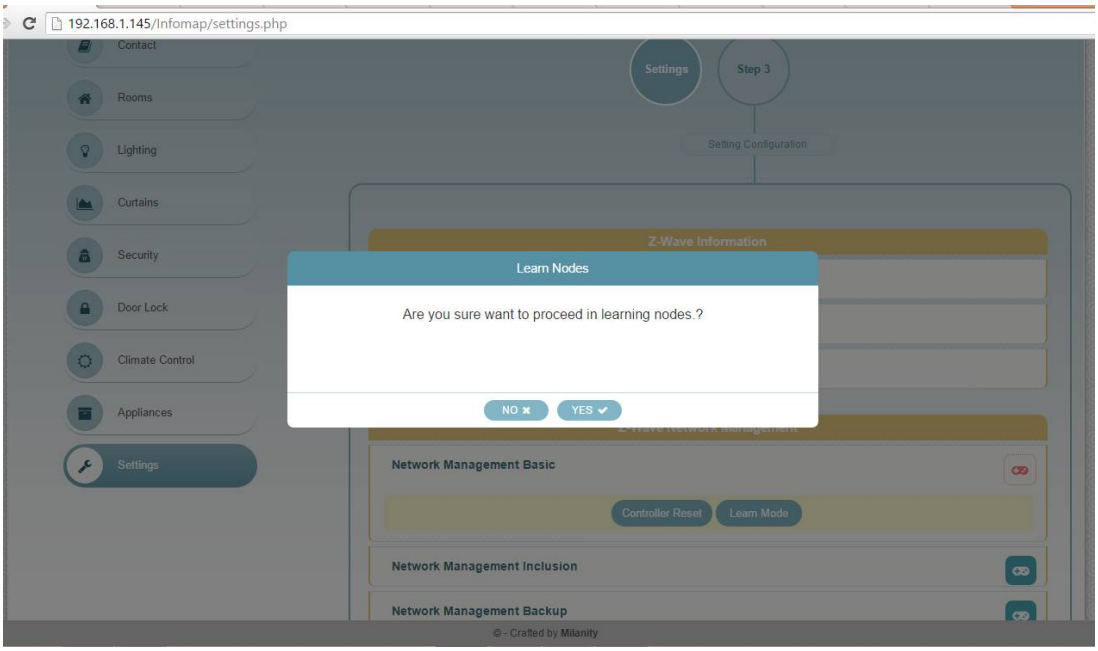

Figure 41

Now you can observe the process

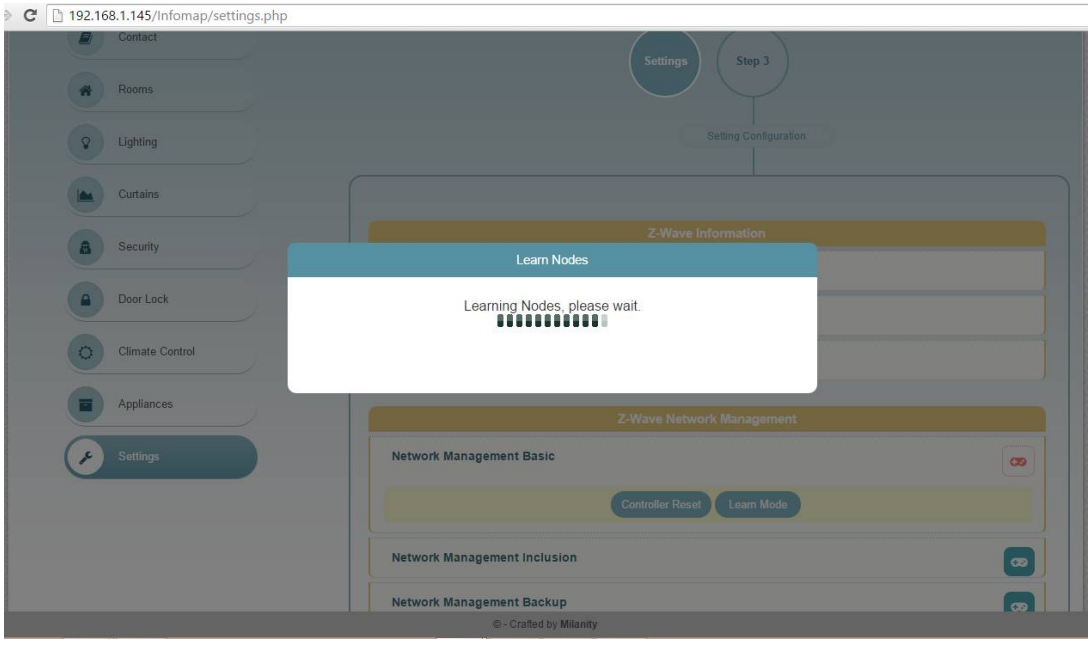

Figure 42

After successful learning, you can see popup (as shown in figure 43)

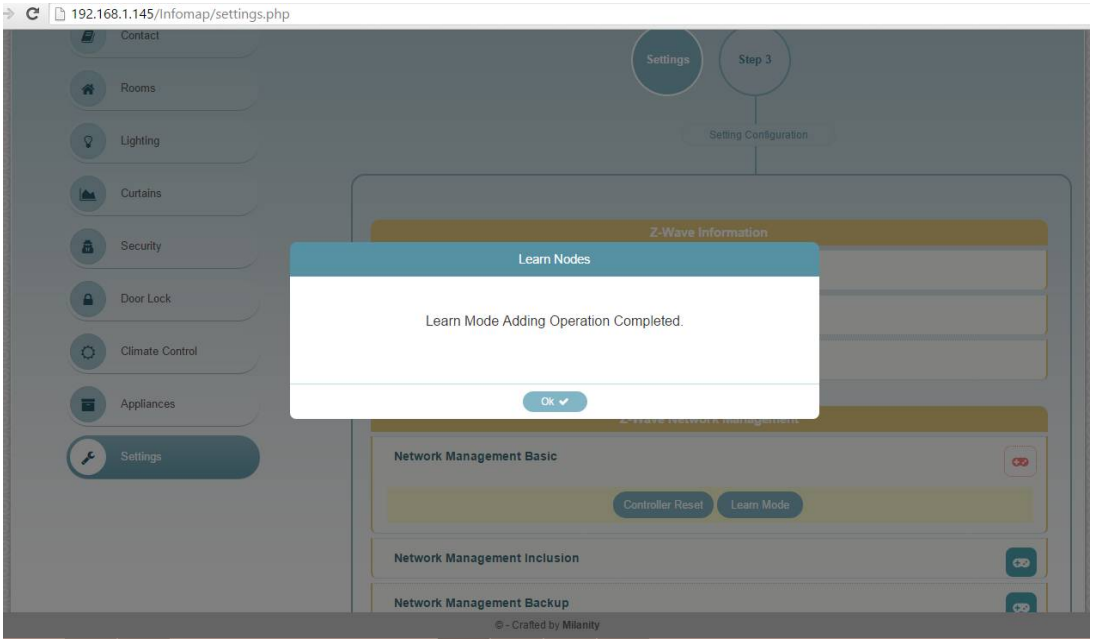

Figure 43

The controller which is added as a slave to another controller and you can see the devices which are added into that controller and you see the disabled "Remove" and "Add" buttons (as shown in figure 44)

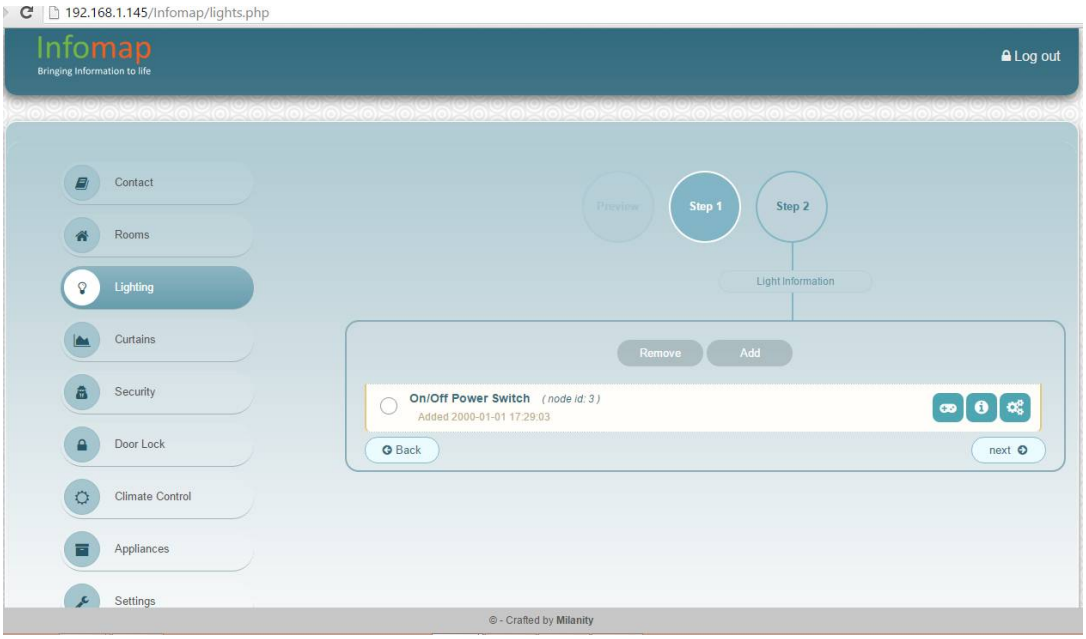

Figure 44