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**ZA1002US-5**  
**Z-Wave Smart Gateway**

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**Installation & User Guide**  
**(For PC)**

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**VISION<sup>®</sup>**



## WELCOME

Congratulations on purchasing the ZA1002US-5. The ZA1002US-5 integrates multiple complicated control, automation and internet protocols into one simple plug-and-play device. It is a central controller that integrated and control of all wireless Z-wave devices used for home automation and keeps connect and control of your home easily, nomatter where you are. Please take a few minutes to read this guide to set up your ZA1002US-5 and Z-wave network smoothly.



### Federal Communications Commission Statement

This equipment has been followed to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna,
- Increase the separation between the equipment and receiver,
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

### IMPORTANT NOTE : (For Mobile Device Configuration)

#### FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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# Chapter 1 Introduction

**ZA1002US-5** is a central controller that integrated and control of all wireless Z-wave devices used for home automation. It also provides Gateway to connect to Internet. Through Internet you can see all kinds of devices status of your home at anytime and any place via your smartphone or PC. You can control the home devices such as lighting, air conditioning, door lock and unlock, you can also receive the alarm message of your home. Energy usage monitor of your home at any time is real-time recording to the cloud host, home alarm messages are immediately delivered to the cloud message monitoring center for the necessary treatment.

The ZA1002US-5 controls switches, dimmers, motion sensors, temperature sensors and so on many Z-Wave devices. ZA1002US-5 integrates complicated control, automation and internet protocols into one simple plug-and-play device. It provides an interface that allows you to manage your home easily, whether you are at home or not.

## 1.1 Key Features

- Provide one LAN port Router function
- Provide one USB 2.0 Host port, you can connect Zigbee USB Dongle or USB Hard Disk
- Provide WiFi IEEE 802.11b/g/n
- Provide compatible Z-Wave Plus communication protocol that connects all kinds of Z-Wave devices that includes window sensors, electric locks, lighting dimmer controls, energy usage monitor, air quality detector, temperature and humidity sensors, fire safety sensors.
- Provide a service platform to connect to the cloud service.
- Provide IP-Cam viewing interface
- Provide free download APP.

## 1.2 Technical Specifications

Technical Specifications	
<b>Hardware Specifications</b>	
USB Port	USB Host 2.0 x1
Ethernet port	RJ-45 10/100Mb , support 1 LAN
<b>Physical and Environmental Characteristics</b>	
Dimensions	137(W) x 101(H) x 30(D) mm
Weight	300g
Operating Temp.	■ Temp: 0°C~45°C (32°F~113°F)

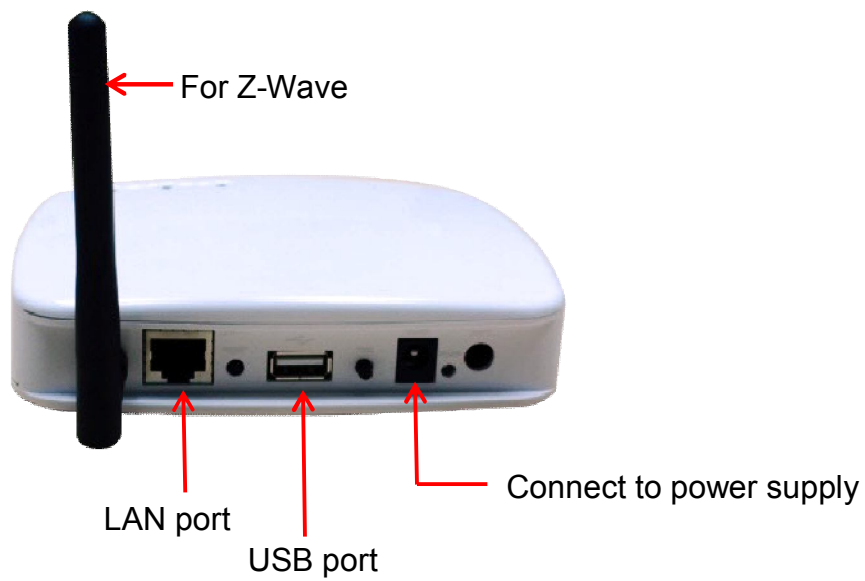
& Humidity	■ Humidity: 10%~90% relative humidity, non-condensing
Power Adaptor	■ INPUT: AC100V~240V, 50/60Hz ■ OUTPUT: DC 5V, 2.0A
outer casing	Plastic
Country of origin	Made in Taiwan
<b>Software Specifications</b>	
Protocol	Z-Wave
WiFi	IEEE 802.11b/g/n
HA Functions	Sense Control
	Lighting Control
	Door Lock Control
	Sensor Trigger Even
	Schedule setting
	Support mobile phone Push Notification
	Support Devices Place Location
	User account Management (admin and normal user)
Support Remote update software	
Z-Wave Capacity	Support 30 Z-Wave notes

## 1.3 Hardware Overview

### 1.3.1 Front Panel



### 1.3.2 Back Panel



**DC 5V/2A:** Connecting to AC adapter. Input AC 100V~240V, 50/60Hz;  
Output DC 5V 2.0A

**LAN:** RJ-45 socket, complied with Ethernet 10/100base-T.

**USB:** USB 2.0 ports, USB Type A

## Chapter 2 Quick Install

After you've created your Z-Wave network, you'll need to install your ZA1002US-5. Follow these steps:

### 2.1 Unpacking

Open the carton and unpack the items. Your package should include:

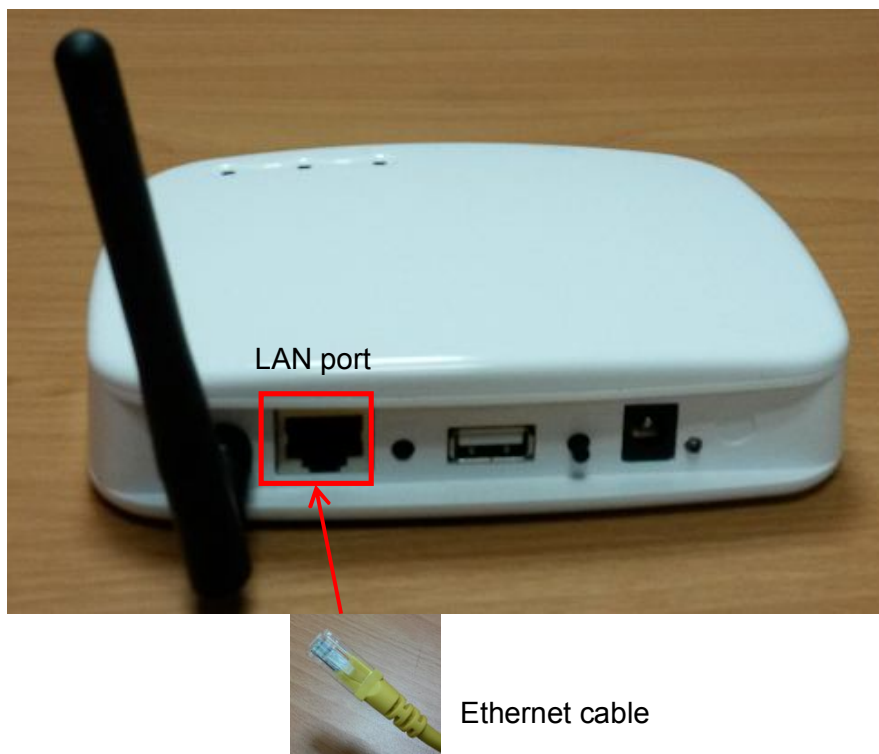
- ZA1002US-5main unit x 1 pcs

If items are missing or damaged, notify your Avadesignrepresentative. Keep the carton and packing material.

### 2.2 The Procedure of Connection

Step 1: Plug in DC power adapter to ZA1002US-5.

Step 2: Connect the Ethernet cable to your ZA1002US-5LAN port.



Step 3: Plug in AC power cord to power source.

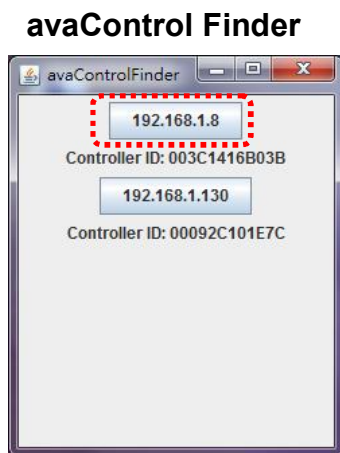
Step 4: ZA1002US-5 begins the boot process automatically.

ZA1002US-5 provides three kinds of operational platforms, Web page, Android and iOS, for users. Therefore user can configure the ZA1002US-5 by his/her PC or smart phone or tablet. The web configuration guide is available in this manual. The installation guide for smartphone/tablet with Android system or iOS system, please refer to other document.



## 2.3 Find the IP address of your ZA1002US-5

Please download the Java program file named `avaControlFinderJava` from the website of Avadesign Co., Ltd. <http://www.avadesign.com.tw/support/support.html> to your PC. Decompress the file and click it twice by left button of your mouse. Then you will see the IP address listing of all of your ZA1002US-5 as below.



## 2.4 Setup Wi-Fi for your ZA1002US-5(optional)

If you want to use Wi-Fi, please following the setup procedure described as below.

Step 1: At first, connect Ethernet cable to LAN port of ZA1002US-5.

Step 2: Type the IP address which getting from `avaControl Finder` as Sec. 2.3. For example: type `192.168.1.8` of the ZA1002US-5 in the address bar and press Enter. The screen is shown as follows.

Step 2-1: Please key in `192.168.1.8` of your AVA-88.

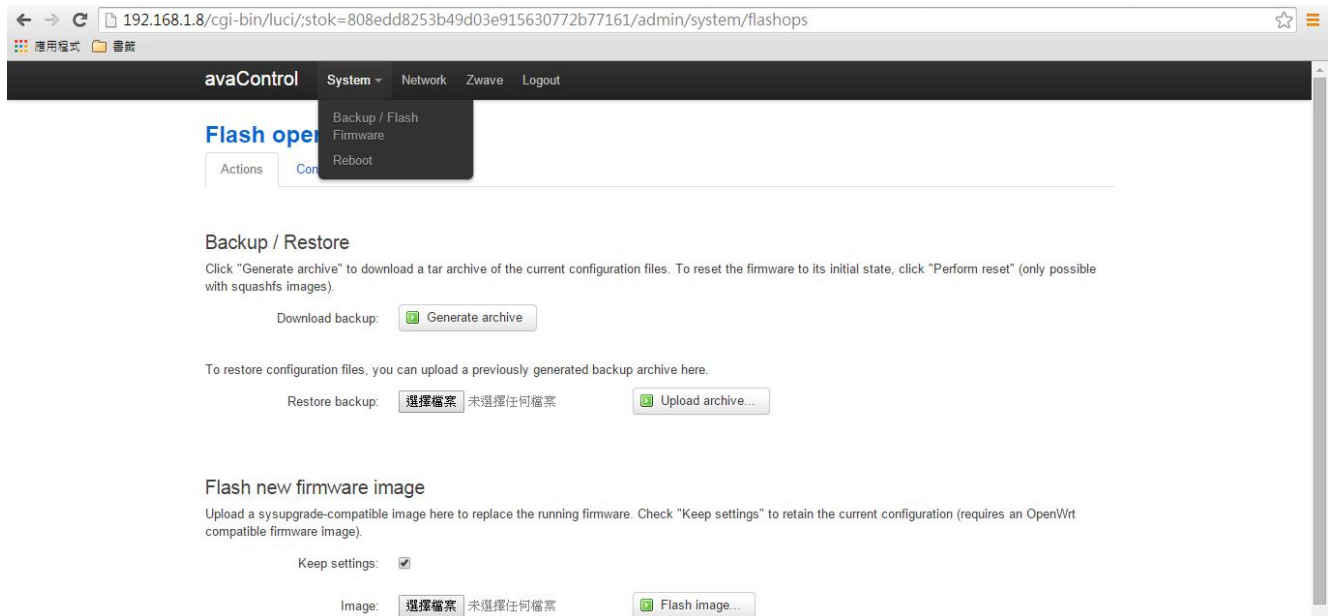


The username is `root`. Please input password: 1234 then click “Login” button on the screen. After login ZA1002US-5, you will see the login page as shown below.

Step 3: Click on **Network** function in the top menu to setup your Wi-Fi network. The detailed is described at Sec. 2.4.2.

Step 4: When Wi-Fi network configure has finished, please take off the Ethernet cable from LAN port of ZA1002US-5.

## Login page



After Login user will see the screen as above, and there are four main categories in the top menu, user can click on each category to extend detail items.

- System
- Network
- Zwave
- Logout

The various configuration menus are explained below. You can select various function listed in the first line of web page display.

### 2.4.1 System

You can backup or flash firmware in this function. This function also provides reboot the system for you.

#### Backup / Restore

You can click on "Generate archive" button on the screen to download a tar archive of the current configuration files.

To restore configuration files, you also can upload a previously generated backup archive here.

#### Flash new firmware image

You can upload a sysupgrade-compatible image here to replace the running firmware.

## Backup/Flash Firmware

Flash operations

Actions Configuration

Backup / Restore

Click "Generate archive" to download a tar archive of the current configuration files. To reset the firmware to its initial state, click "Perform reset" (only possible with squashfs images).

Download backup:

To restore configuration files, you can upload a previously generated backup archive here.

Restore backup:  未選擇任何檔案

Flash new firmware image

Upload a sysupgrade-compatible image here to replace the running firmware. Check "Keep settings" to retain the current configuration (requires an OpenWrt compatible firmware image).

Keep settings:

Image:  未選擇任何檔案

### 2.4.2 Network

The network function provides Wi-Fi network configuration for users.

#### Network page

Network page

192.168.1.8/cgi-bin/luci/stok=808edd8253b49d03e915630772b77161/admin/network

avaControl System **Network** Zwave Logout AUTO REFRESH ON

Wired

LAN

Network	Status	Actions
LAN br-lan	Uptime: 2h 26m 5s MAC-Address: 00:3C:14:16:B0:3B RX: 8.10 MB (74918 Pkts.) TX: 13.23 MB (18854 Pkts.) IPv4: 192.168.1.8/16	<input checked="" type="button" value="Edit"/>

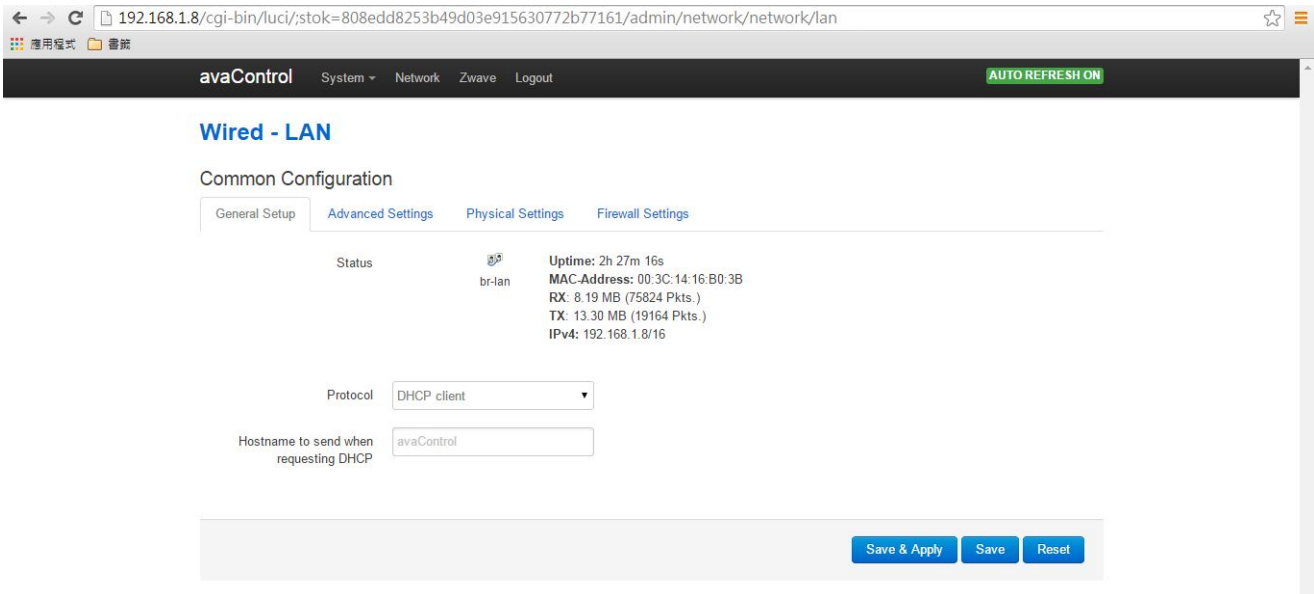
Global network options

IPv6 ULA-Prefix:

Click on "Edit" button, you can do general setup, or advanced settings, or physical settings and Firewall settings.

#### 2.4.2.1 General Setup

# General Setup

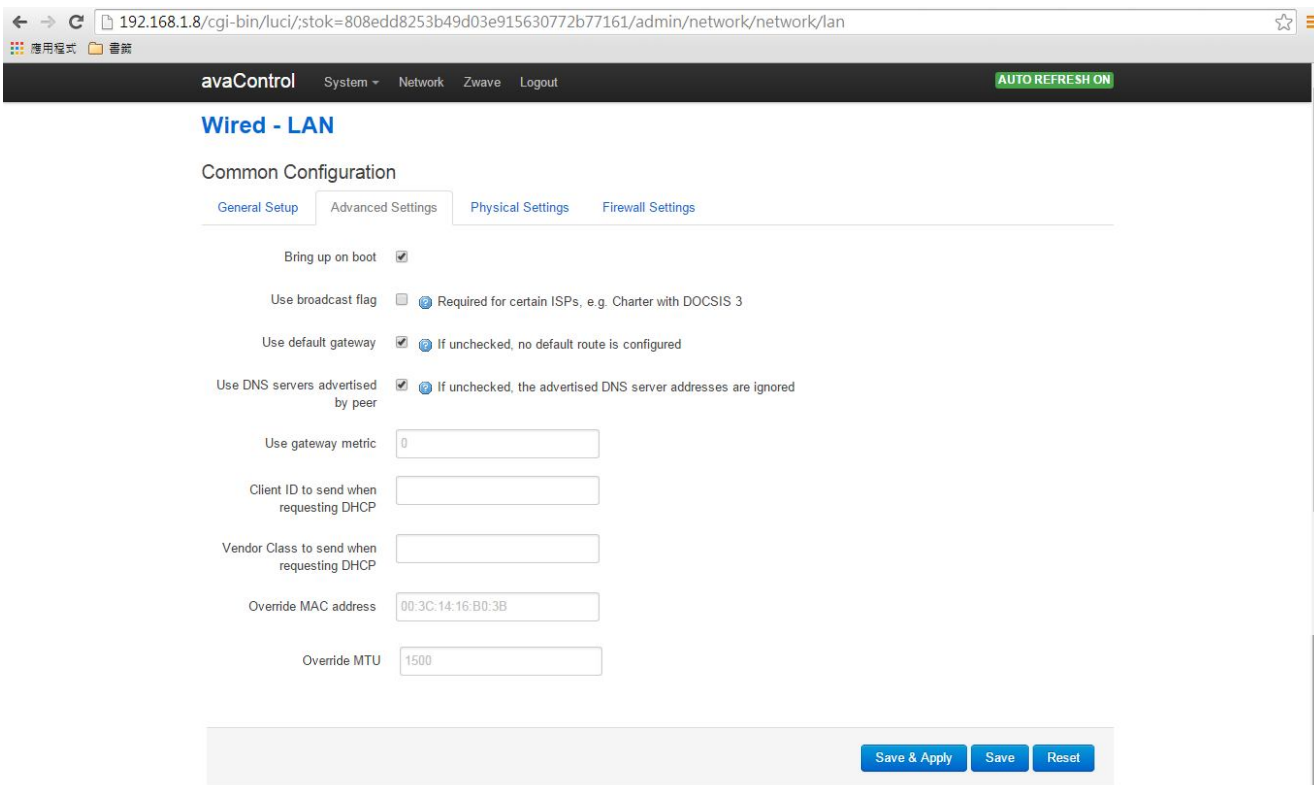


You can select which protocol you need. ZA1002US-5 provides a protocol listing of static address, DHCP client, unmanaged, PPP, PPTP, PPPoE, PPPoATM, UMTS/GPRS/EV-DO and L2TP for your choice.

## 2.4.2.2 Advanced Settings

You can do advanced configuration by clicking on “Advanced Settings” function.

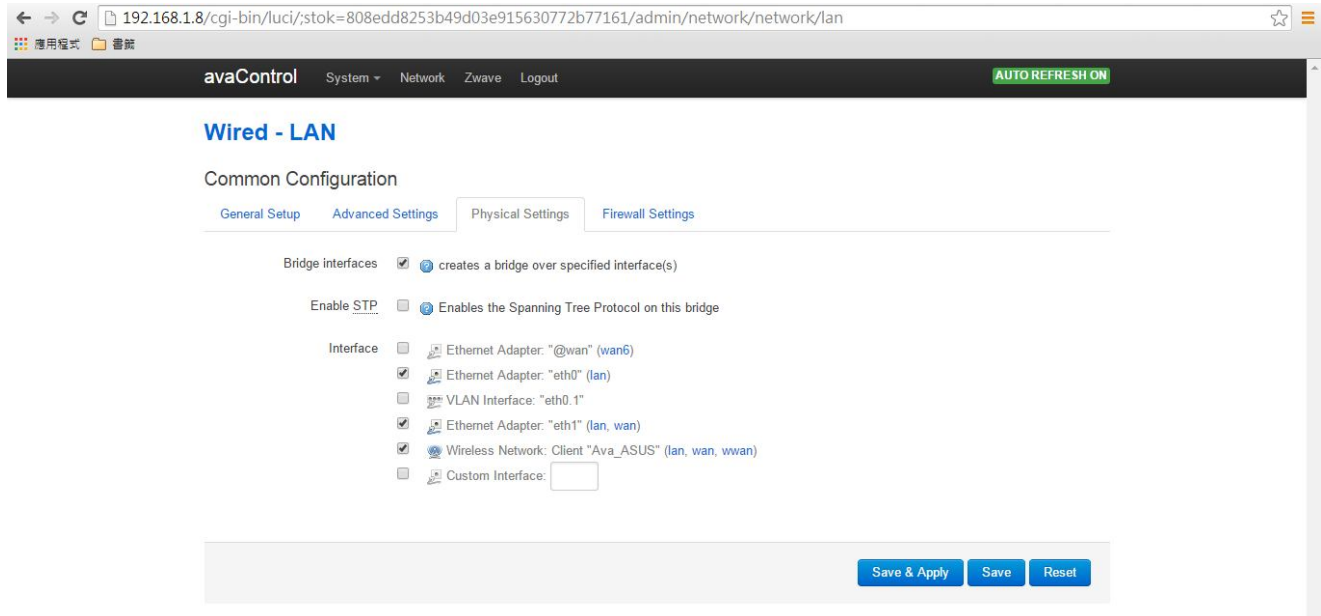
## Advanced Settings



### 2.4.2.3 Physical Settings

You can create a bridge over specified interface and enables the Spanning Tree Protocol on this bridge. You also can select which interface you needed by clicking the check squares.

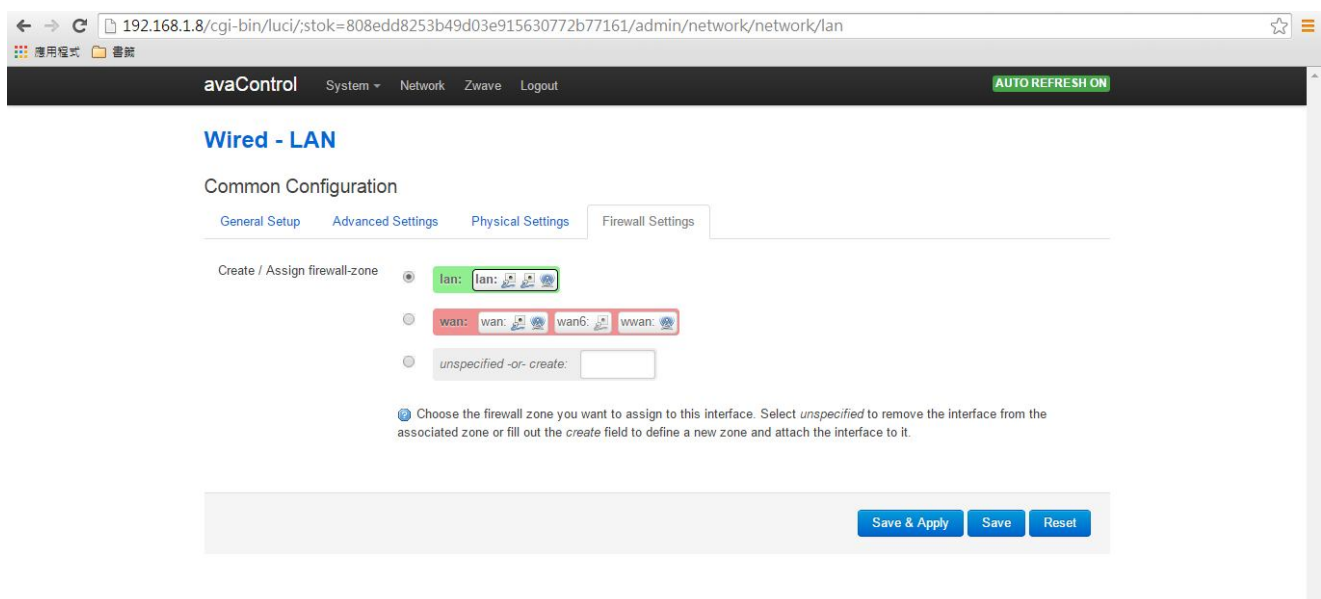
#### Physical Settings



### 2.4.2.4 Firewall Settings

Choose the firewall zone you want to assign to this interface by clicking on "Firewall Settings" function. Select "unspecified" to remove the interface from the associated zone or fill out "create" field to define a new zone and attach the interface to it.

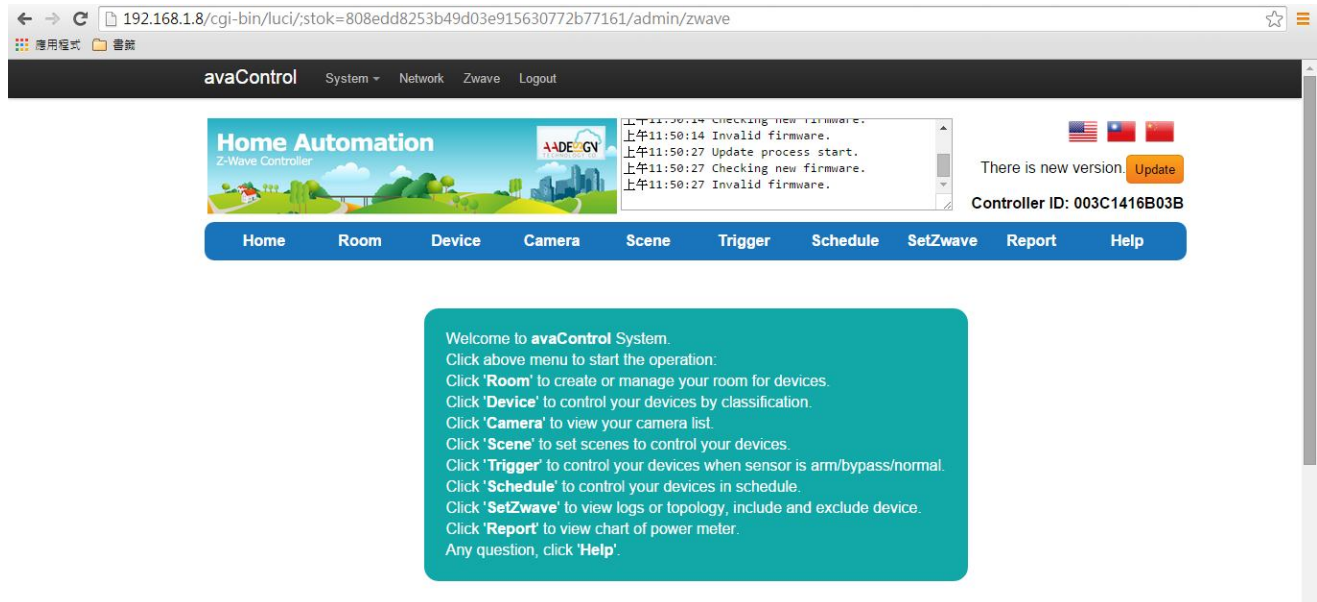
#### Firewall Settings



### 2.4.3 Zwave

You also can do Z-Wave devices setup by clicking on “Zwave” function. Please refer to Chapter 3 for the detailed description.

#### ZWave home page

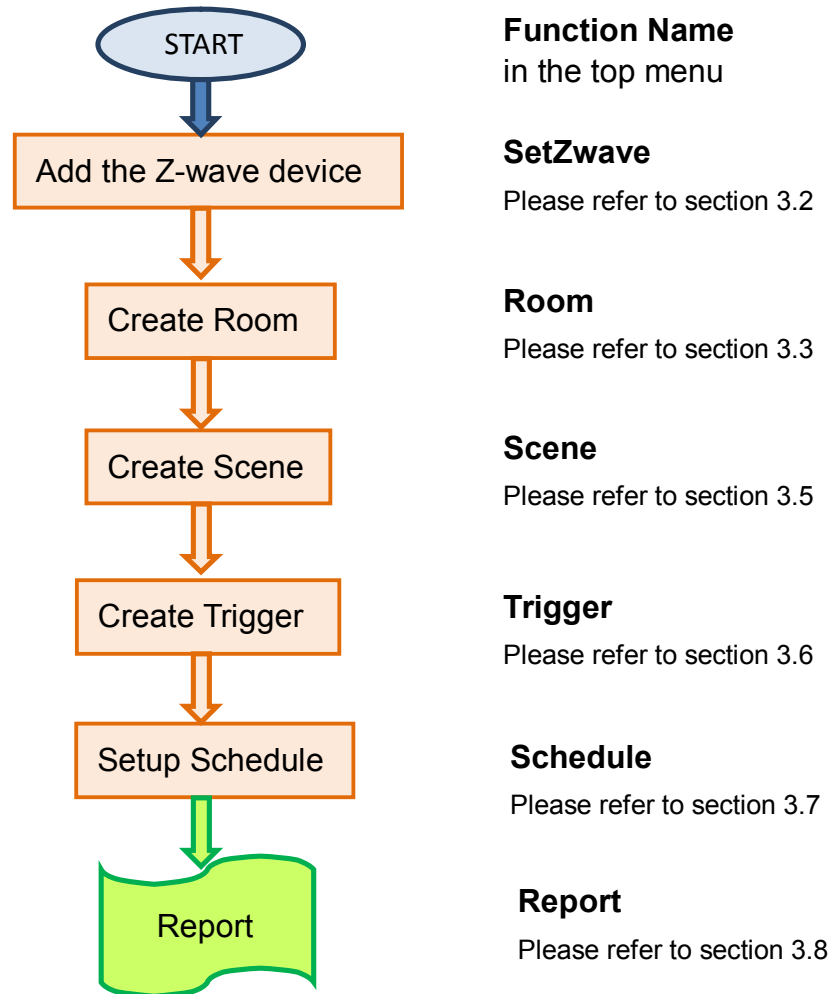


### 2.4.4 Logout

You can log out the system by clicking on “Logout” function.

## 2.5 Initial setup procedure for ZA1002US-5 web configuration

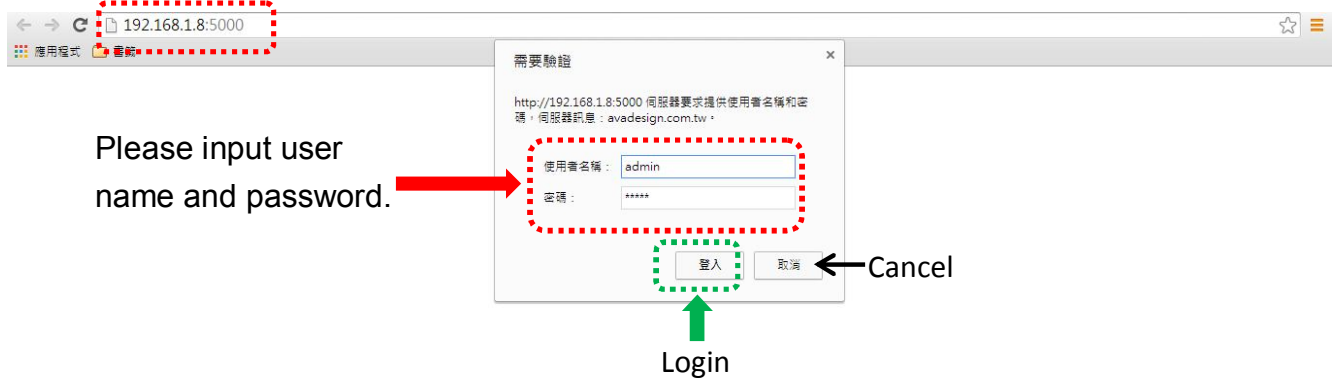
In order to set proper functions for each Z-Wave device, you can follow this flow chart before you start to configure Z-Wave devices for ZA1002US-5.



# Chapter 3 Full web configurations

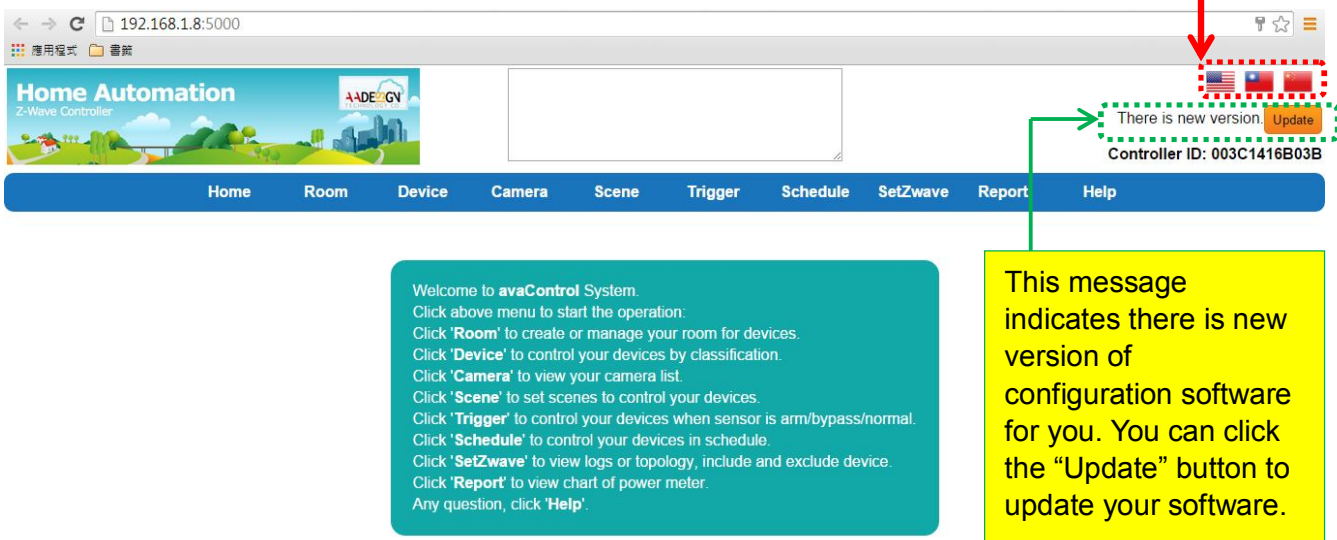
## 3.1 Enter web configure page

Move the cursor to the IP address of ZA1002US-5 on the screen and click it that as shown the diagram of avaControl Finder at section 2.3. Then you will enter the web page for configuration as follows.



Please input with username: admin and password: admin then click “Login” button on the screen. After login ZA1002US-5, you will see the home page as shown below.

Language selection: English, Traditional Chinese, Simplified Chinese



At right side of home page, you can see the national flag of different country for different language selection. Just click the national flag you will get which language you want. You also can see the orange color button with characters of update. Click “Update” button to update your configuration software. Finished the update procedure, you will see the screen as shown below. A message of “This is the newest version” displays on the screen now.



## Update procedure



Please click on “OK” button to update the AVA-88 software.

## Home Page



After Login ZA1002US-5 user will see screen as above, and there are ten main categories, user can click on each category to extend detail items.

- Home
- Room
- Device
- Camera
- Scene
- Trigger
- Schedule
- SetZwave
- Report

■ Help

The various configuration menus are explained below. You can select various function listed in the first line of Home page display.

### 3.2 SetZwave-Z-Wave device settings

One of main functions of ZA1002US-5 is control and monitoring the room. If you would like to implementation of these efforts require the help of Z-Wave devices in order to complete the task. At first, you need to add the new Z-Wave devices to ZA1002US-5 for control and monitoring the room or remove the Z-wave device which not used.

#### 3.2.1 The Z-Wave device configuration

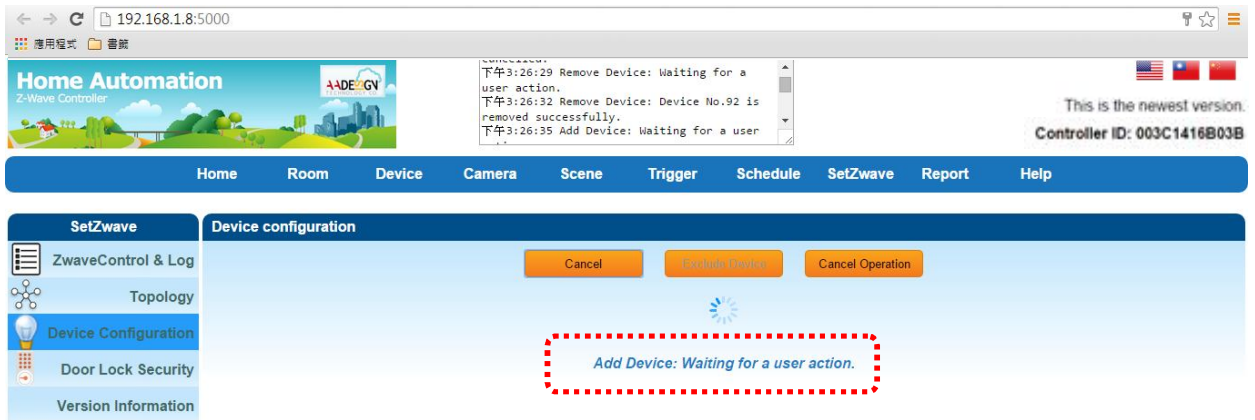
##### 3.2.1.1 Add a Z-Wave device

You can add the Z-Wave device by clicking on the category of "SetZwave" in the menu bar. The procedure of adding the Z-wave device is described as follows.

Step 1: Enter the "SetZwave" page and select "Device Configuration"

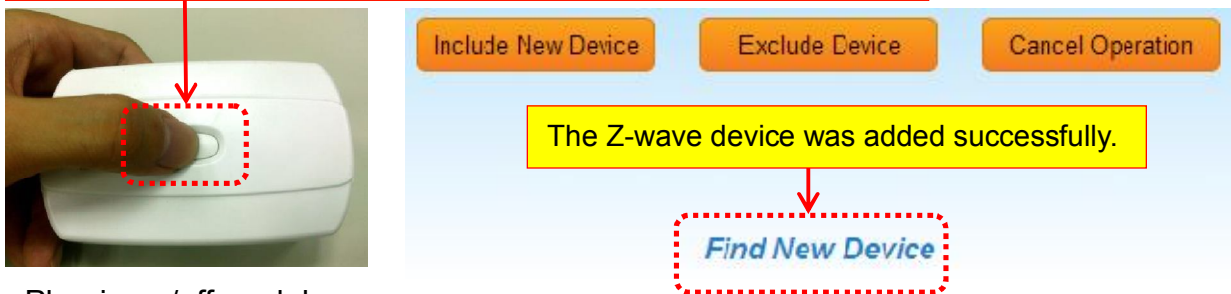
The screenshot shows the 'SetZwave - Device Configuration' web page. The browser address bar shows '192.168.1.8:5000'. The page has a blue header with a navigation menu: Home, Room, Device, Camera, Scene, Trigger, Schedule, SetZwave, Report, Help. The 'SetZwave' menu item is highlighted with a red dashed box. A yellow callout box with a red arrow points to it, containing the text: 'Step 1a: Click on "SetZwave" category of main menu.' Below the header, there is a 'Device configuration' section with three buttons: 'Include New Device', 'Exclude Device', and 'Cancel Operation'. The 'Include New Device' button is highlighted with a red dashed box. A yellow callout box with a red arrow points to it, containing the text: 'Step 2: Click on "Include New Device" button.' On the left side, there is a sidebar menu with items: ZwaveControl & Log, Topology, Device Configuration, Door Lock Security, and Version Information. The 'Device Configuration' item is highlighted with a red dashed box. A yellow callout box with a red arrow points to it, containing the text: 'Step 1b: Click on "Device Configuration" item.'

Step 2: Click on the "Include NewDevice", the screen will appear "Add Device: Waiting for a user action."



Step 3: Press the programming switch button on the Z-Wave device for connection. The location of programming switch button depends on the type of Z-Wave device that you use. Please refer to the user manual of the Z-Wave device.

Step 3: Press the programming switch button on the Z-wave device.



Plug-in on/off module

p.s. You also can buy these Z-Wave devices such as Plug-in on/off module, Door sensor, PIR sensor, Wireless siren...etc. from Avadesign Technology.

Step 4: When your Z-Wave device has added successfully, the message of "Add Device: Command has completed successfully" will display on the screen.

Step 5: When the new Z-Wave device was found, you can modify the name and room settings as shown below.



Step 6: Then click "device", the new Z-wave device is ready to use now.



### 3.2.1.2 Remove a Z-Wave device

You also can remove the Z-Wave device by clicking on the category of "SetZwave" in the menu bar. The procedure of removing the Z-wave device is described as follows.

Step 1: Enter the "SetZwave" page and select "DeviceConfiguration"

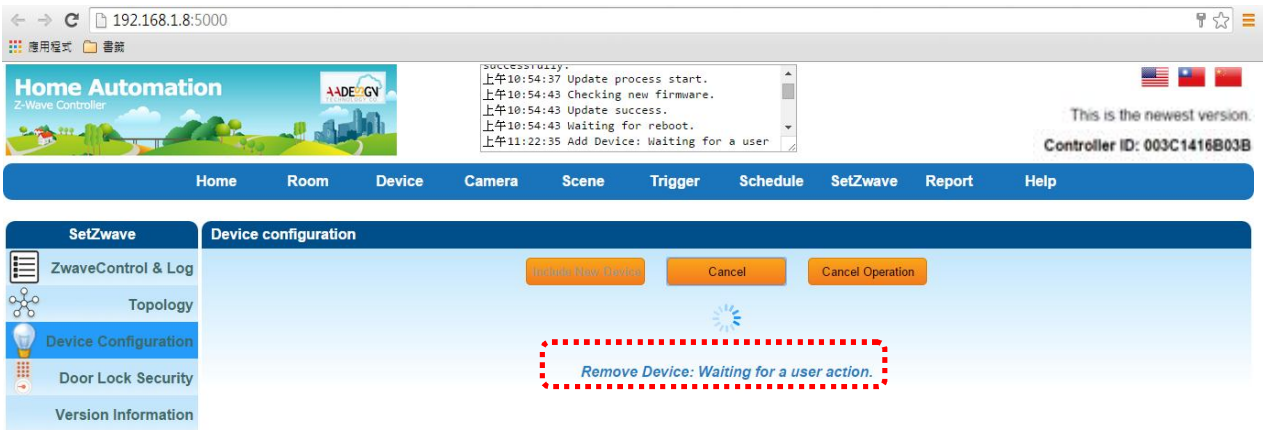
**SetZwave – Device Configuration**

**Step 1a: Click on "SetZwave" category of main menu.**

**Step 1b: Click on "Device Configuration" item.**

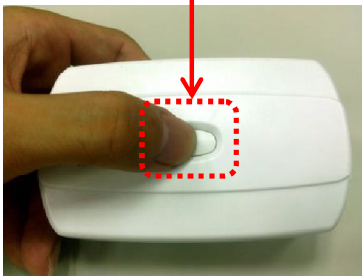
**Step 2: Click on "Exclude Device" button.**

Step 2: Click on the "Exclude Device", the screen will appear "RemoveDevice: Waiting for a user action."



Step 3: Press the programming switch button on the Z-Wave device for removing. The location of programming switch button depends on the type of Z-Wave device that you use. Please refer to the user manual of the Z-Wave device.

Step 3: Press the programming switch button on the Z-wave device.



Plug-in on/off module



The Z-wave device was removed successfully.

Step 4: When your Z-Wave device has removed successfully, the message of "Remove Device: Command has completed successfully" will display on the screen.



### 3.2.2 Z-Wave Control and Log

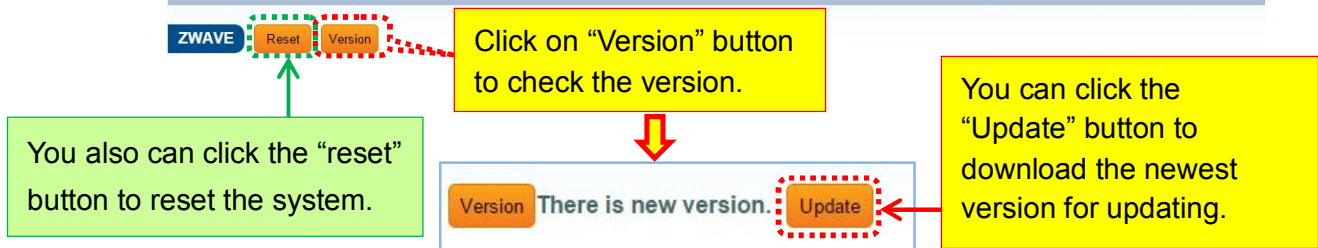
ZA1002US-5 provides alarm records of all Z-Wave control devices for user as follows.

#### SetZwave – ZwaveControl& Log

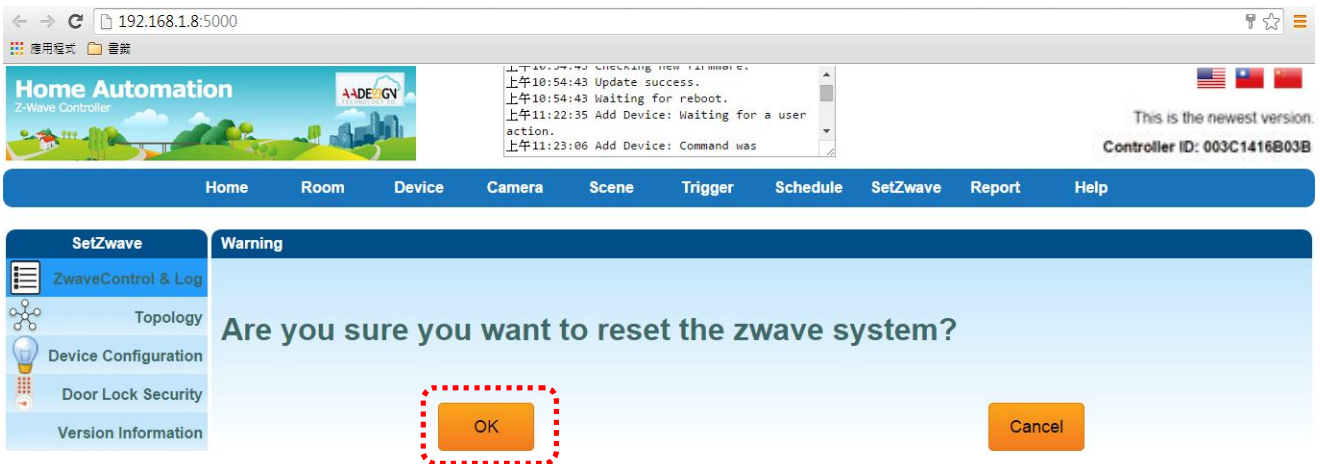
Time	Node ID	Node Name	Event Type	Alarm Type	Alarm Level	Notify Type	Notify Event
Wed Dec 10 07:08:32 GMT 2014	2	Wireless Door/Window Sensor	Alarm	0x0	0x0	Home Security	Intrusion, Unknown Location
Wed Dec 10 02:06:26 GMT 2014	2	Wireless Door/Window Sensor	Alarm	0x7	0xff	Home Security	Intrusion, Unknown Location
Wed Dec 10 02:04:05 GMT 2014	2	Wireless Door/Window Sensor	Alarm	0x7	0xff	Home Security	Intrusion, Unknown Location
Wed Dec 10 02:02:12 GMT 2014	2	Wireless Door/Window Sensor	Alarm	0x7	0xff	Home Security	Intrusion, Unknown Location
Wed Dec 10 02:01:55 GMT 2014	2	Wireless Door/Window Sensor	Alarm	0x7	0xff	Home Security	Intrusion, Unknown Location
Wed Dec 10 02:01:35 GMT 2014	2	Wireless Door/Window Sensor	Alarm	0x7	0xff	Home Security	Intrusion, Unknown Location
Wed Dec 10 01:51:32 GMT 2014	2	Wireless Door/Window Sensor	Alarm	0x7	0xff	Home Security	Intrusion, Unknown Location
Wed Dec 10 01:38:14 GMT 2014	2	Wireless Door/Window Sensor	Alarm	0x7	0xff	Home Security	Intrusion, Unknown Location
Wed Dec 10 01:37:49 GMT 2014	2	Wireless Door/Window Sensor	Alarm	0x7	0xff	Home Security	Intrusion, Unknown Location
Tue Dec 9 10:09:03 GMT 2014	2	Wireless Door/Window	Alarm	0x7	0xff	Home	Intrusion, Unknown

When you click on “Update” button, you will see the listing of software version updated. Clicking on the “Version” button at the end of screen, the system will check the software version of ZA1002US-5 for you automatically.

Time	Version
Tue Dec 9 03:55:17 GMT 2014	sw-win32-0.3.6.7-config-1.39-20141208
Thu Nov 20 10:54:41 GMT 2014	sw-win32-0.3.6.4-config-1.38-20141120
Mon Nov 17 13:24:49 GMT 2014	sw-win32-0.3.6.2-config-1.37-20141117
Mon Nov 17 12:11:15 GMT 2014	sw-win32-0.3.6.1-config-1.37-20141117
Fri Oct 31 21:39:25 GMT 2014	sw-win32-0.3.6.0-config-1.35-20141016
Thu Oct 16 11:14:22 GMT 2014	sw-win32-0.3.6.0-config-1.35-20141016
Tue Oct 14 02:50:46 GMT 2014	sw-win32-0.3.5.5-config-1.34-20141013
Tue Sep 30 03:29:50 GMT 2014	sw-win32-0.3.5.3-config-1.31-20140926
Wed Sep 24 12:23:29 GMT 2014	sw-win32-0.3.5.1-config-1.31-20140924



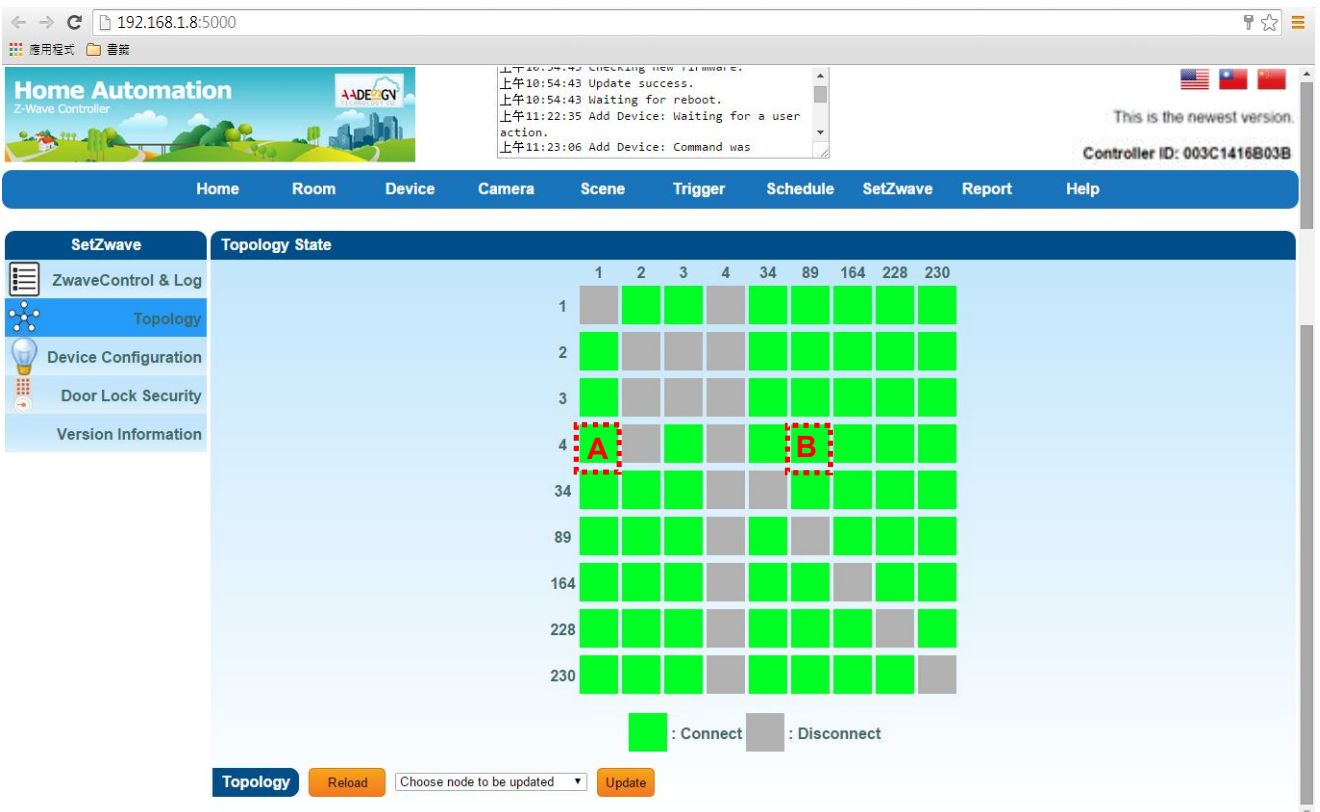
You also can click the “reset” button to reset the system shown as above diagram. Then you can click on “OK” button to reset the system or “Cancel” button to quit the reset process.



### 3.2.3 Topology

The topology diagram shows the connection relationship of ZA1002US-5 and all of Z-wave devices. The small square at row 1 and column 1 represents the ZA1002US-5. The small square at row 1 and column 2 represents a Z-Wave device. Applying the topology diagram, user can decide the control path of ZA1002US-5 and each Z-Wave device. For example, the ZA1002US-5 can control the remote device B indirectly by device A.

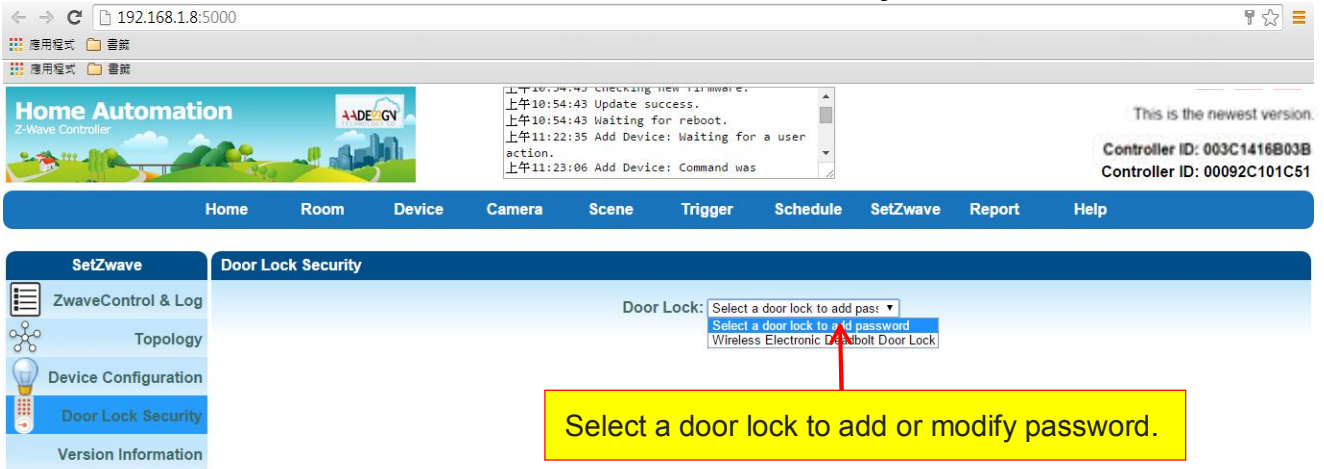
#### SetZwave – Topology



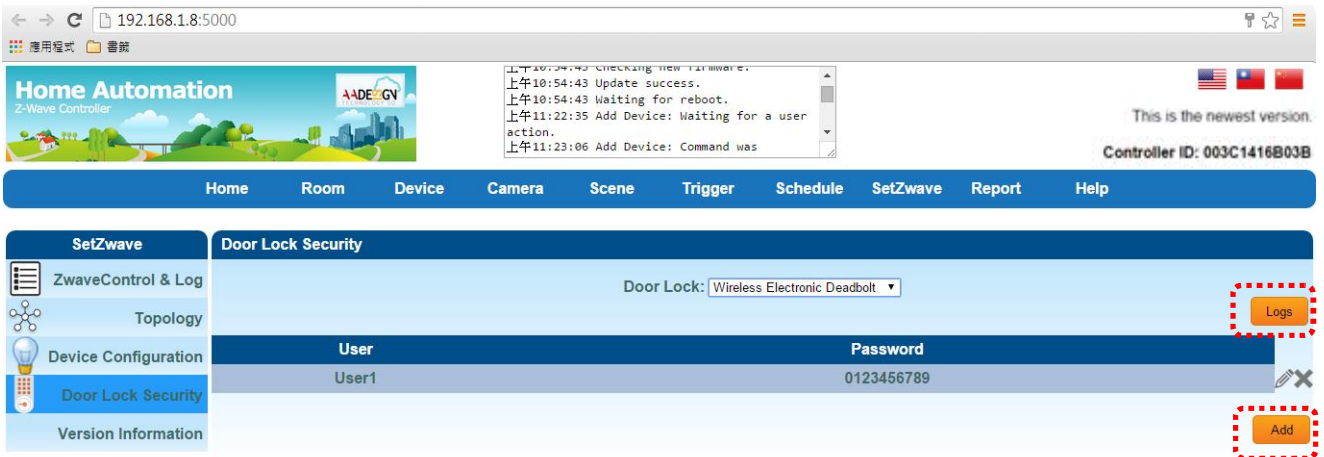
### 3.2.4 Door Lock Security

You can select a door lock to add password or modify password.

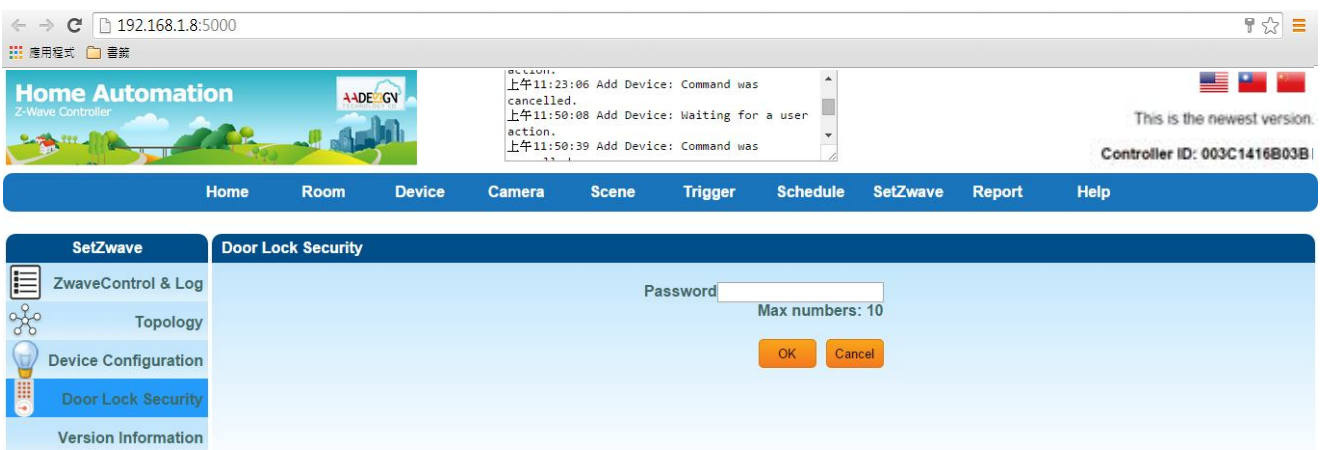
#### SetZwave – Door Lock Security



Then you will see the listing of user name and password. Clicking on the pen icon to modify the password. You also can click on the X symbol to delete the password.

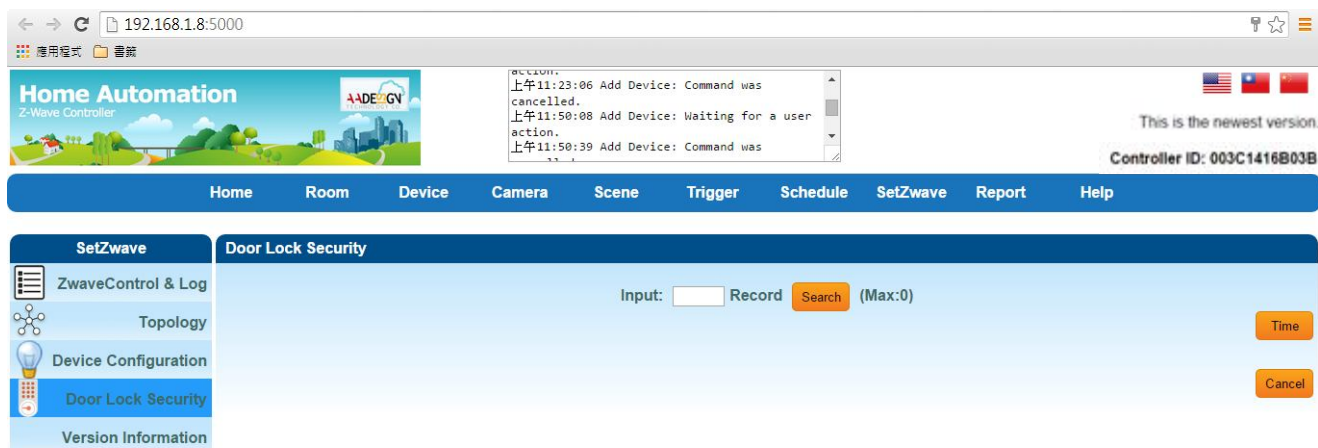


You can click on the “Add” button to add new password as below. The maximum length of password is 10 digits and you can input numeric 0 ~ 9.

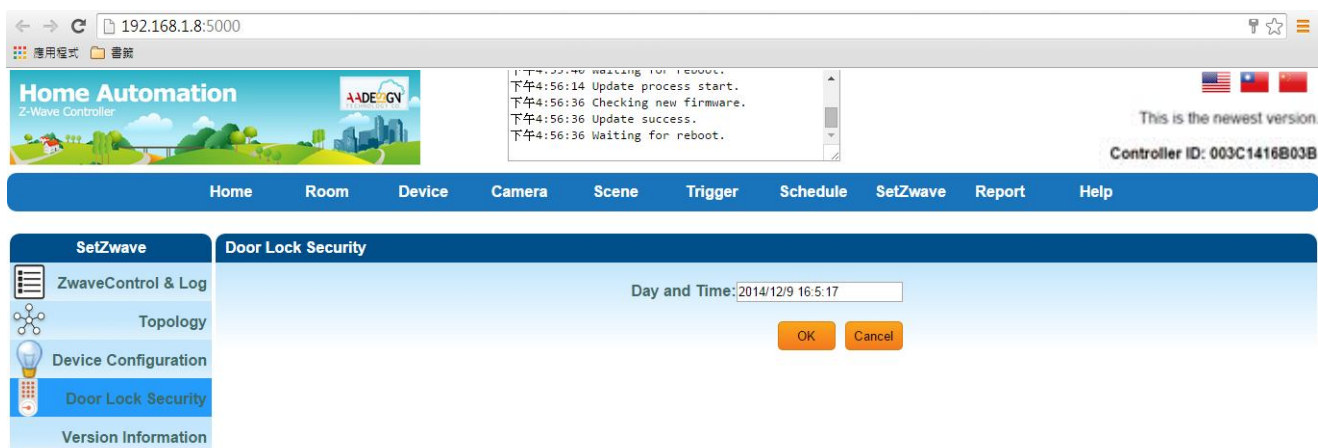




You can click on the “Log” button to get the door lock records as below. The maximum number of logs is 5. Please input the record number that equal or less than 5 then click on “Search” button.



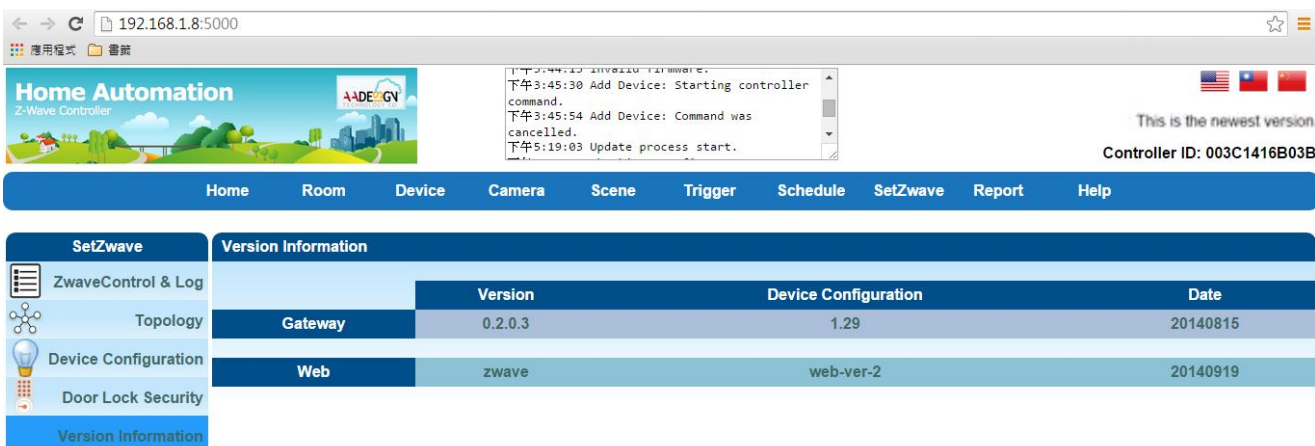
The “Time” button on the right side of screen is used for time setting by manually. You have to input the right date and time by yourself. When you replace the battery of Electric Deadbolt, please remember to modify the date and time here.



### 3.2.5 Version Information

Clicking on “Version Information” item, you will get the information of software version.

#### SetZwave – Version Information



### 3.3 Room setting

ZA1002US-5 can classify and integrate all kinds of Z-Wave devices to do home automation includes room, scene, trigger, schedule and report.

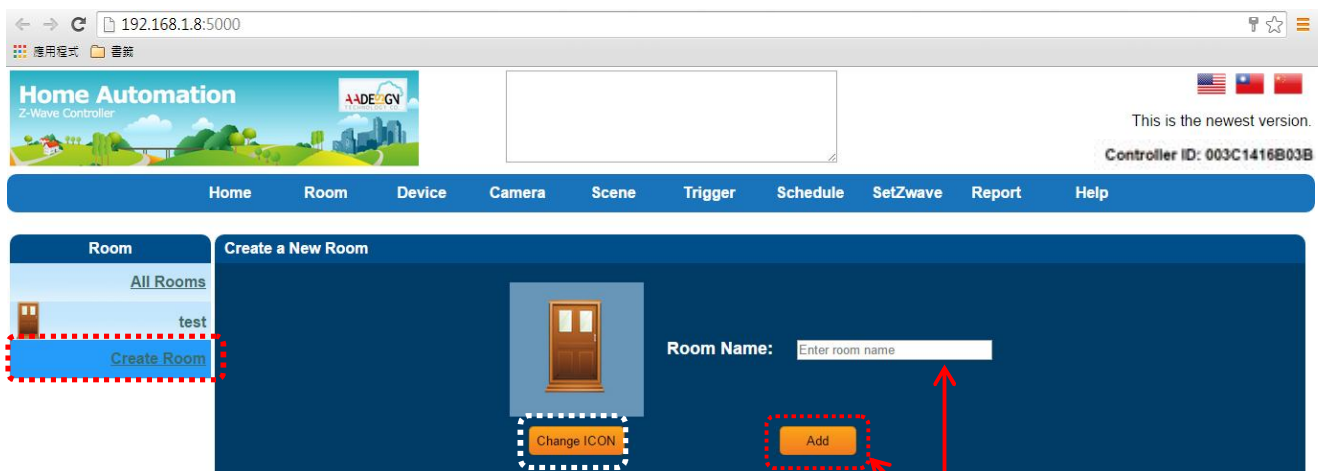
#### 3.3.1 Create room

##### Create rooms to distribute Z-Wave devices

According to the different room in the family, you can distribute the Z-Wave devices to each room. And you can learn which room was invaded or controlled household appliances quickly.

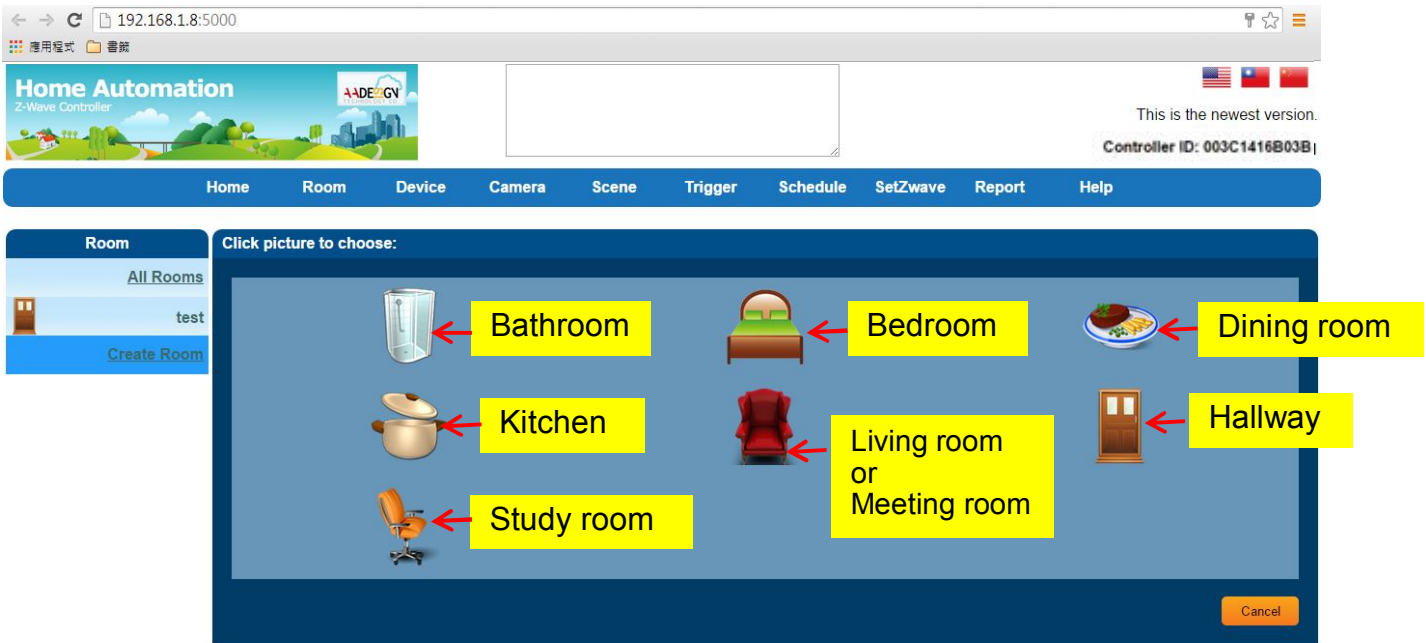
Now, you can create a new room by clicking on “Create Room” item. Then input the room name and click on “Add” button.

#### Room – Create Room

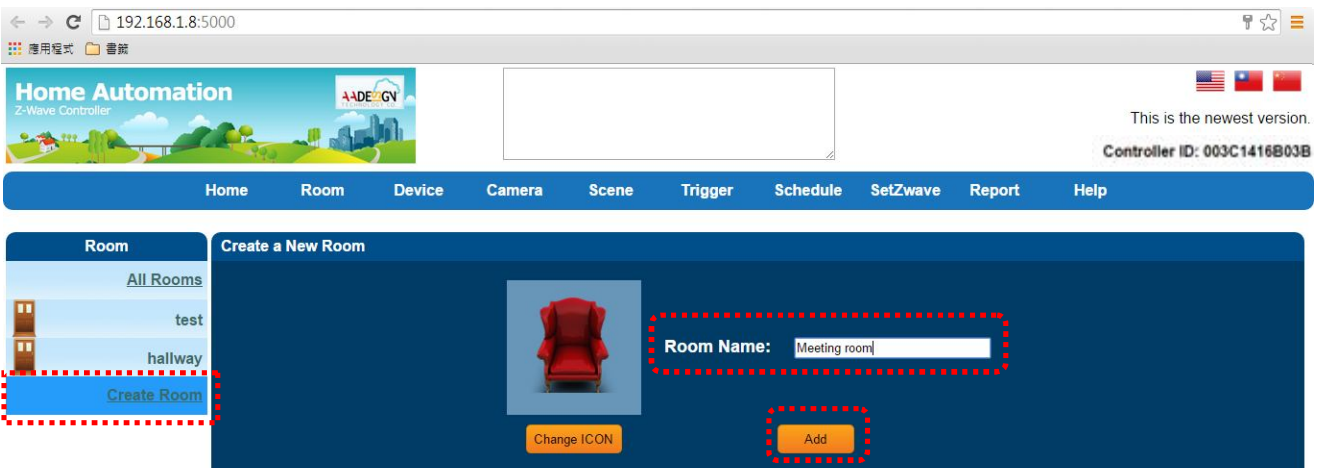


Please input the room name. Then click on “Add” button to create a new room.

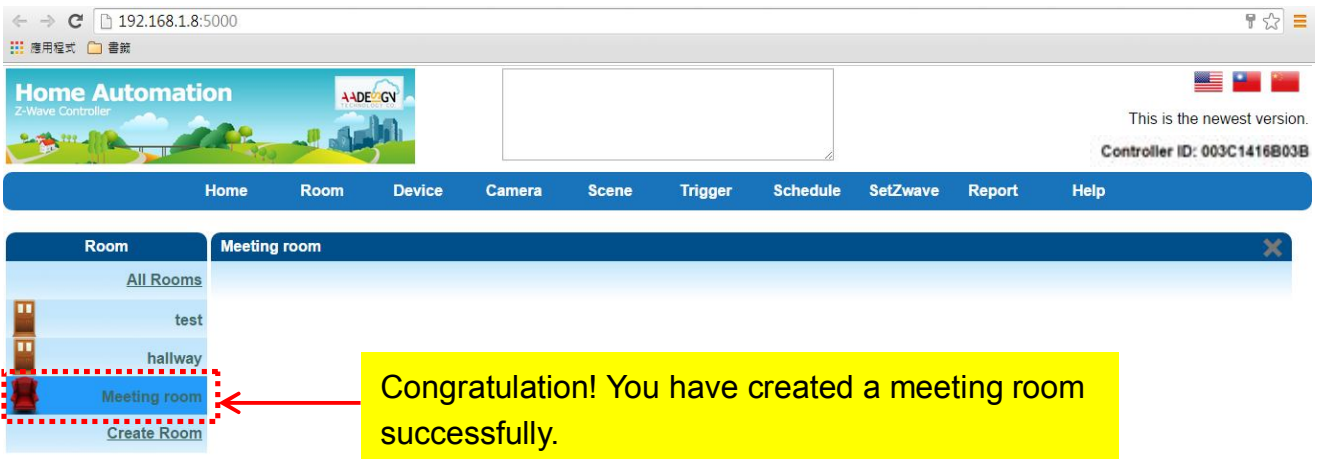
You also can change the icon of the room by clicking on “Change ICON” button. Then you will see some pictures that you can choose for the proper room as below screen.



If you change icon and input “meeting room” in the field of room name, and click on “Add” button.

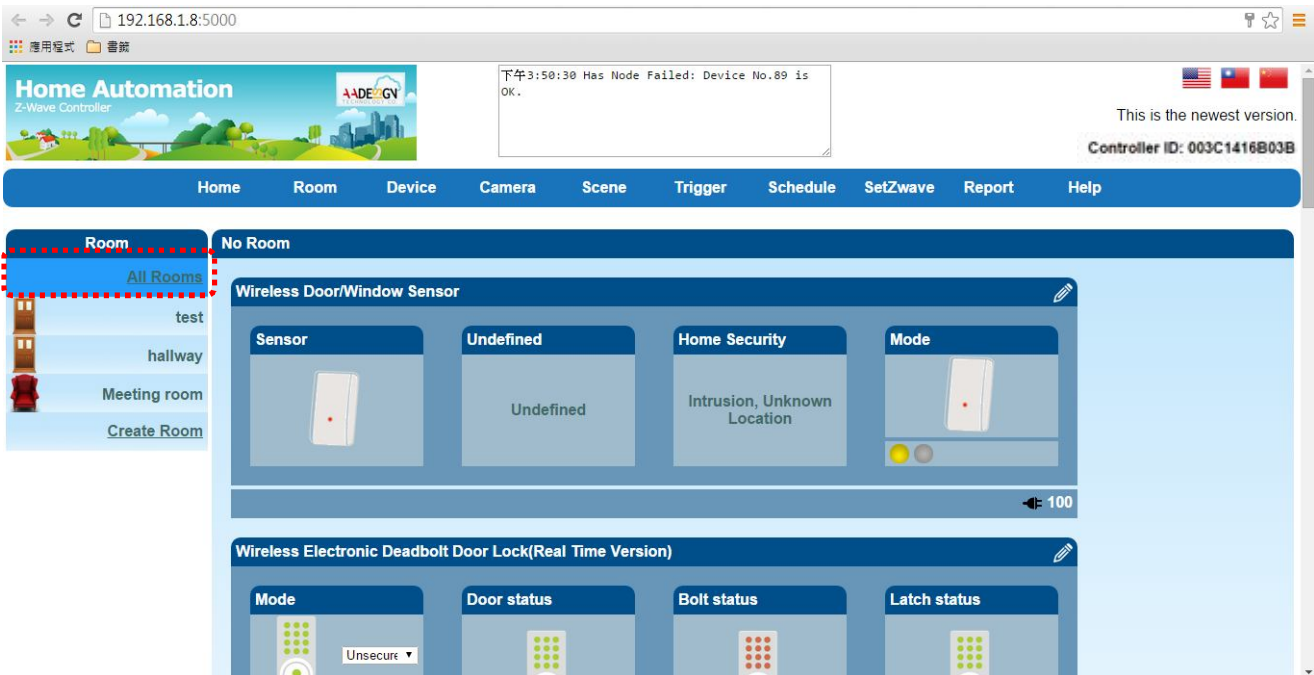


Then you will see the meeting room appear on the left side of screen.



### 3.3.2 All rooms

You can see the device status in each room easily by clicking on “All rooms” item.



### 3.4 Device setting

You can place the Z-wave device in the right room by selecting device function in the top menu and choosing a device which you want.

For example, you create a meeting room at section 3.3, and you would like to place light device in this room. The setting procedure is described as following:

Step 1: Select “Device” function and clicking on “All Devices” item to show all of the Z-Wave devices on the screen.

Step 2: Choose the device that you need and click on the icon of pen to edit the content of device. For example, you place light device in this room.

Please refer to the following screen.

# Device – All Devices

192.168.1.8:5000

Home Automation Z-Wave Controller

Step 1

Controller ID: 003C1416B03B

Home Room **Device** Camera Scene Trigger Schedule SetZwave Report Help

Device All Devices

All Devices

Switch

Sensor

Meter

Thermostat

Others

Wireless Door/Window Sensor

Sensor Undefined Home Security Mode

Intrusion, Unknown Location

Wireless Electronic Deadbolt Door Lock(Real Time Version)

Mode Door status Bolt status Latch status

Unsecure

In-Wall Switch, 1 Relays

Hidden Type On/Off Module

Light

Step 2: Edit

Wireless Siren and Strobe Alarm Battery Power

Switch Power

Smart Energy Switch

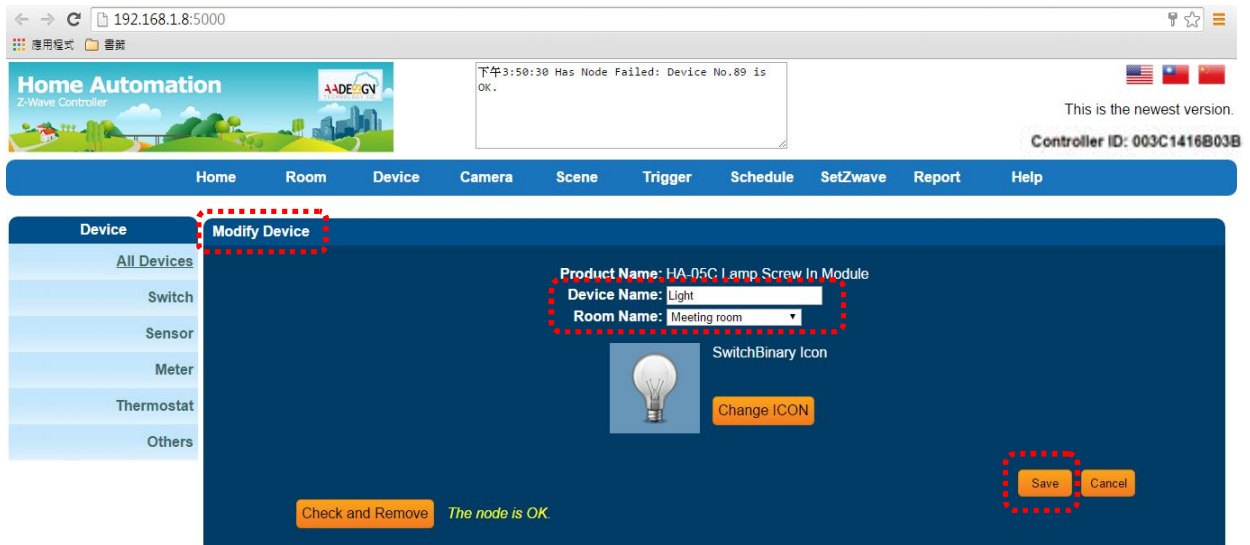
Switch Power Voltage Energy

Rate Type Power Rate Type

Appliance On/Off Module(Power Plug In Type)

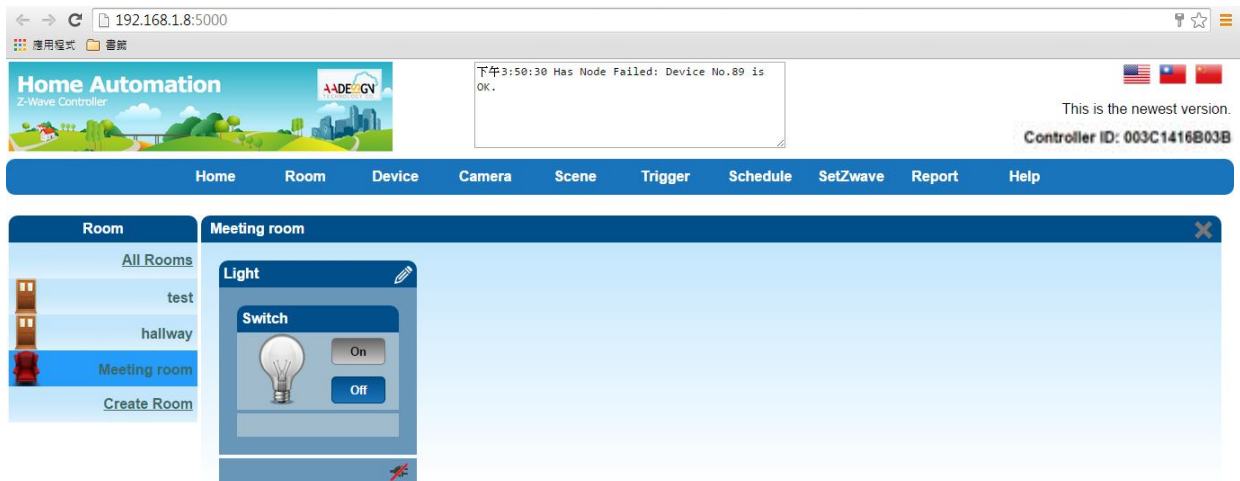
Switch

Step 3: Edit the content of light device. Please input the device name and room name. Then click on “Save” button to save the configuration. You also can check this node by clicking on “Check and Remove” button and the message of “The node is OK” displays on the screen.



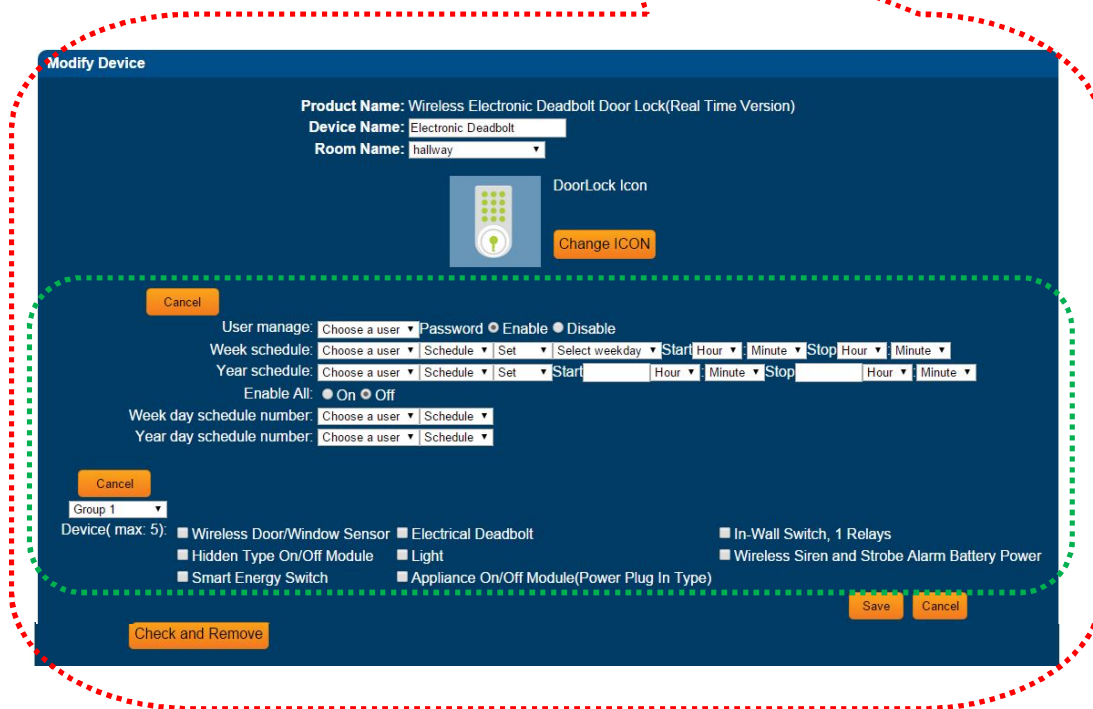
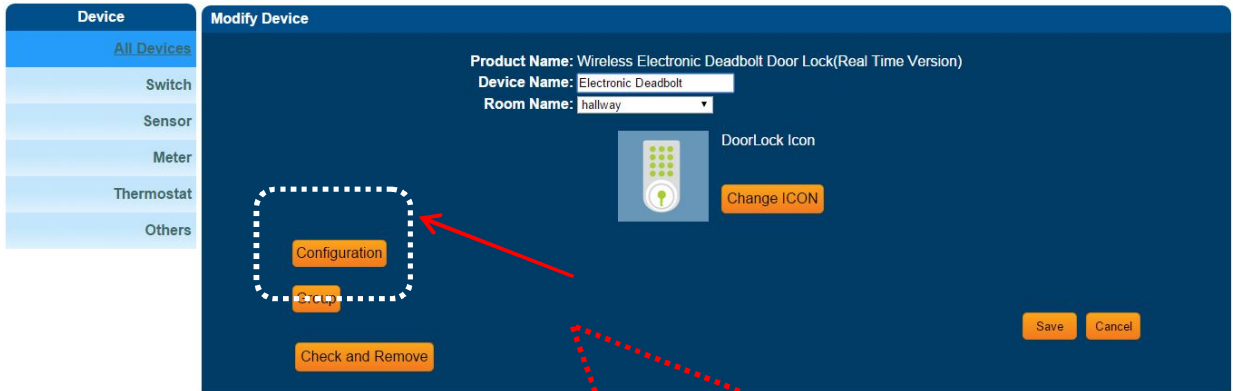
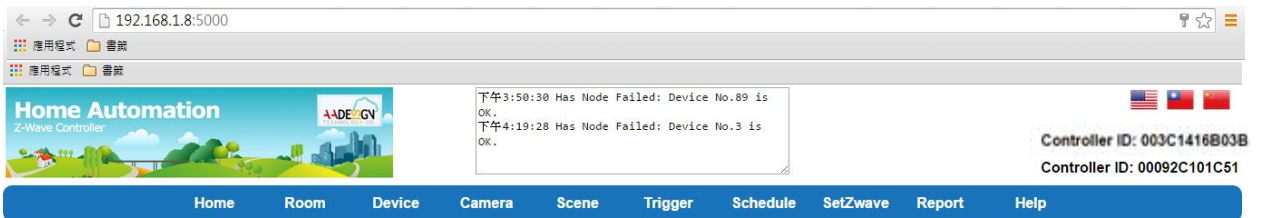
Step 4: Go back to “Room” function and click on “Meeting room” item, then you will see the light device

### Room – Meeting room

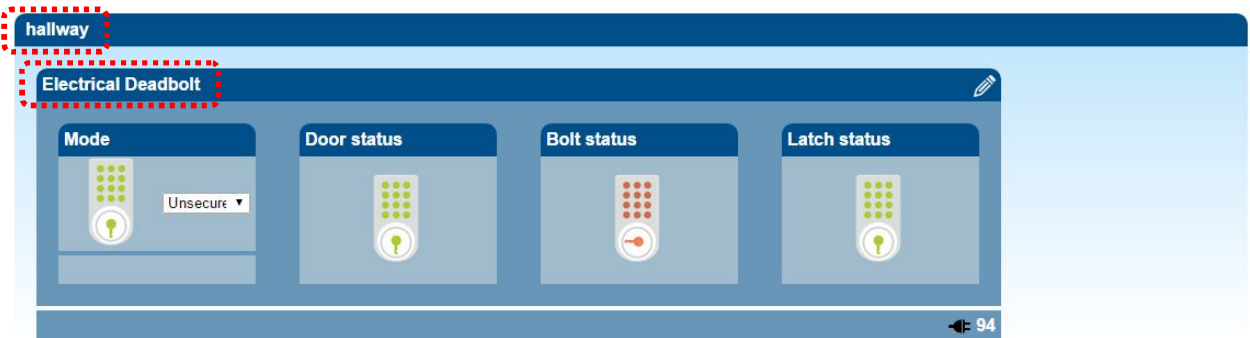


Now, you can place another device to other room continuously. For example, you want to place electronic deadbolt in hallway. Please refer to the following screens.





Then you will find the electronic deadbolt in hallway now.



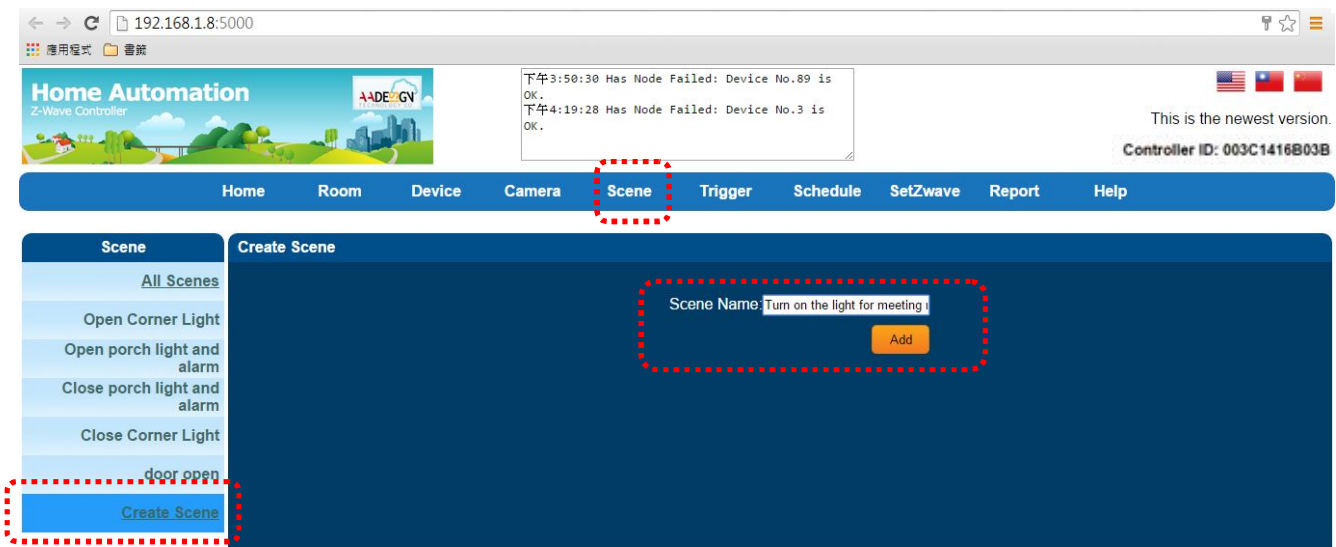
### 3.5 Scene Setting-Control Z-Wave devices

You can control and combine a number of Z-Wave devices together and execute a designed operation action by clicking one key only.

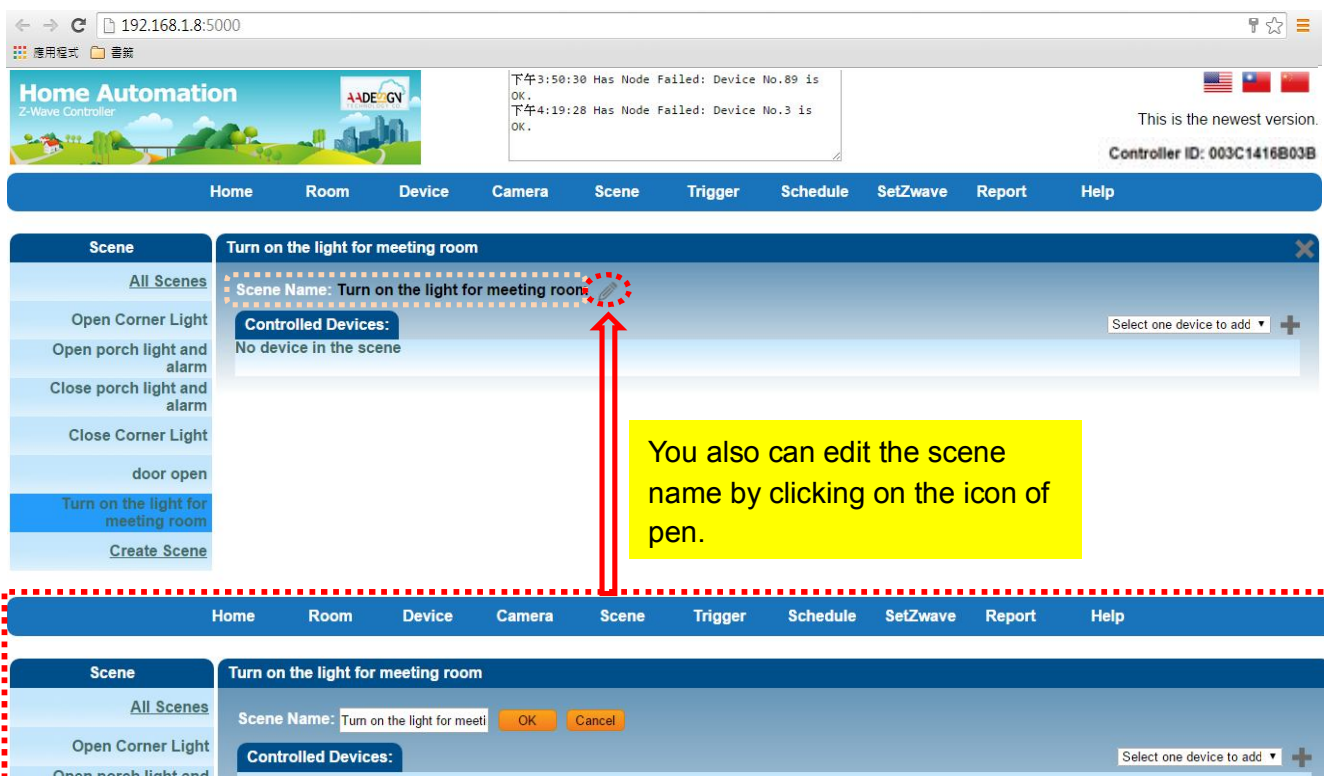
#### 3.5.1 Create Scene

Step 1: Select "Scene" function in the top menu on the screen. Then click on "Create Scene" item. Please input the scene name and click on "Add" button.

#### Scene – Create Scene

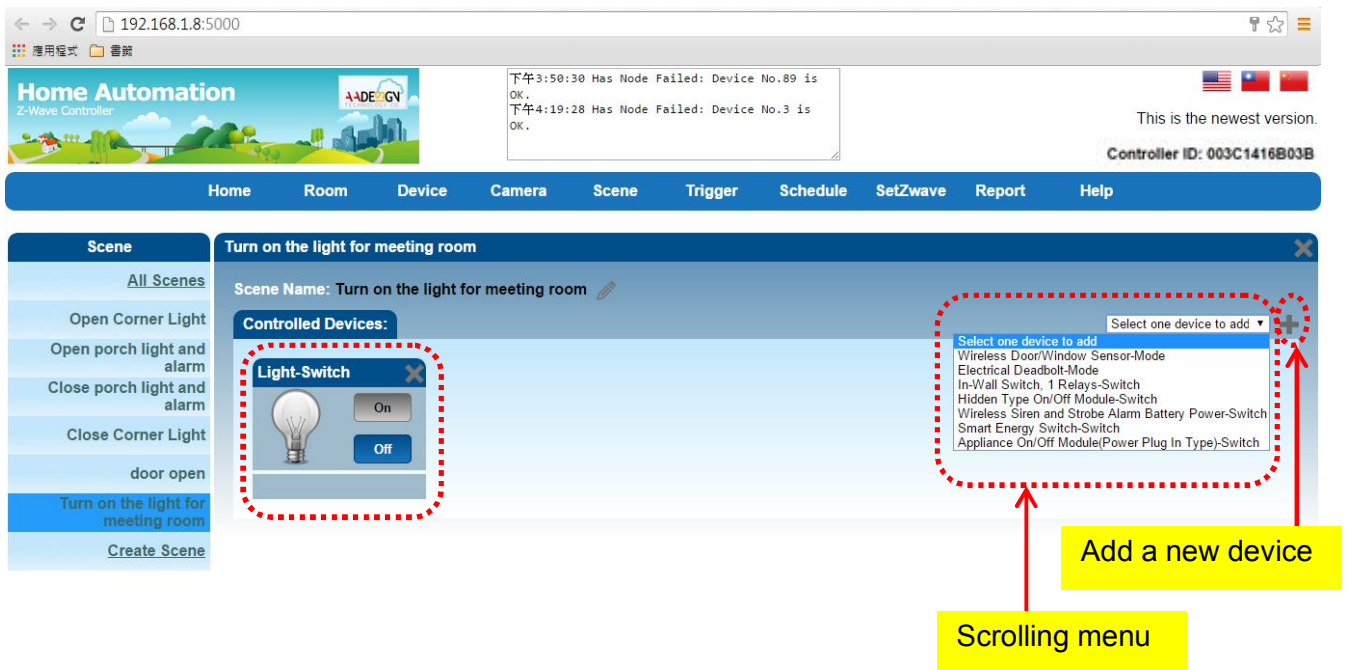


Step 2: Now, you can see the scene was created and named as "Turn on the light for meeting room". You also can edit the scene name by clicking on the icon of pen.

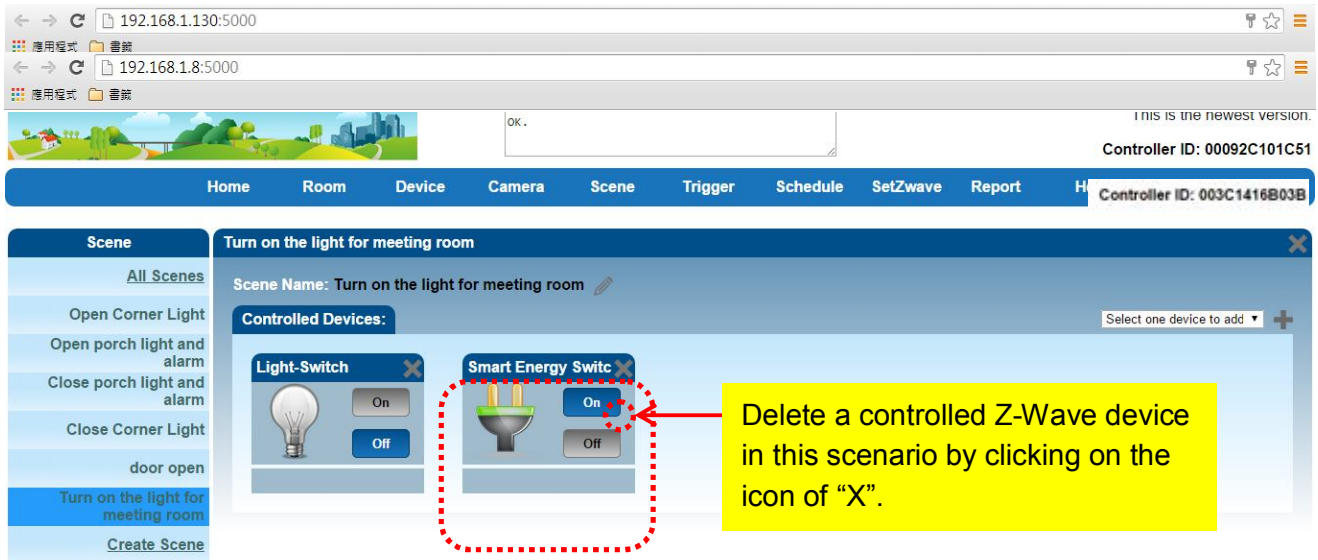




Then add controlled Z-Wave devices in this scenario that shown as below. For example: you add a switchof light in this scenario.

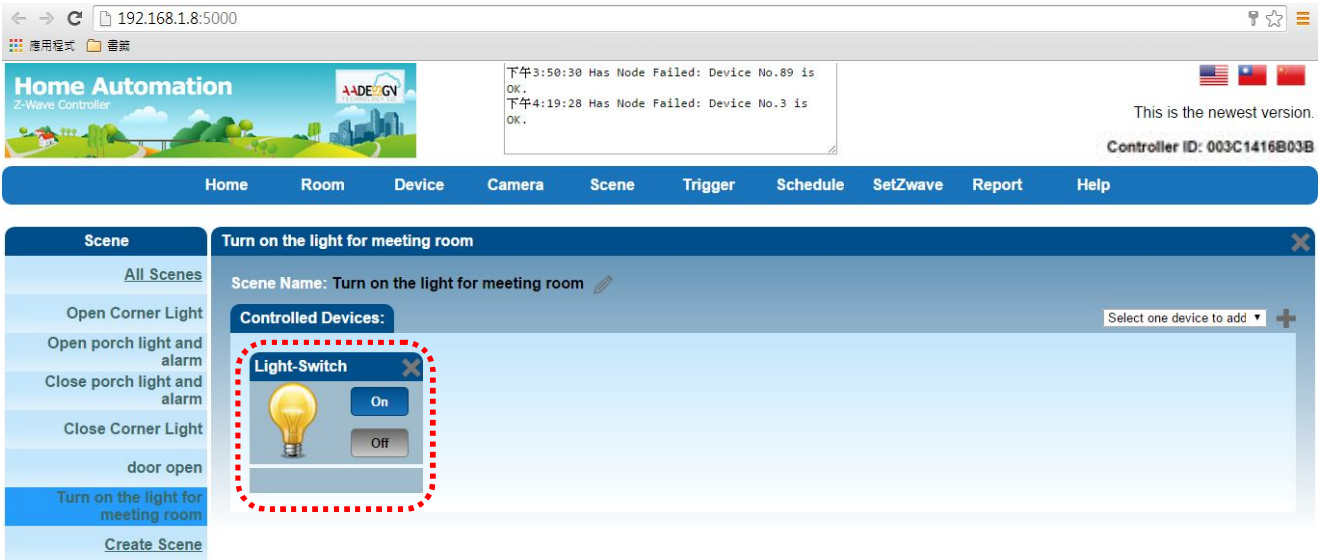


You can add more controlled Z-Wave devices in this scenario by selecting one device in the scrolling menu and clicking on the icon of plus sign on the screen. Then you will see a new controlled device display on the screen now.

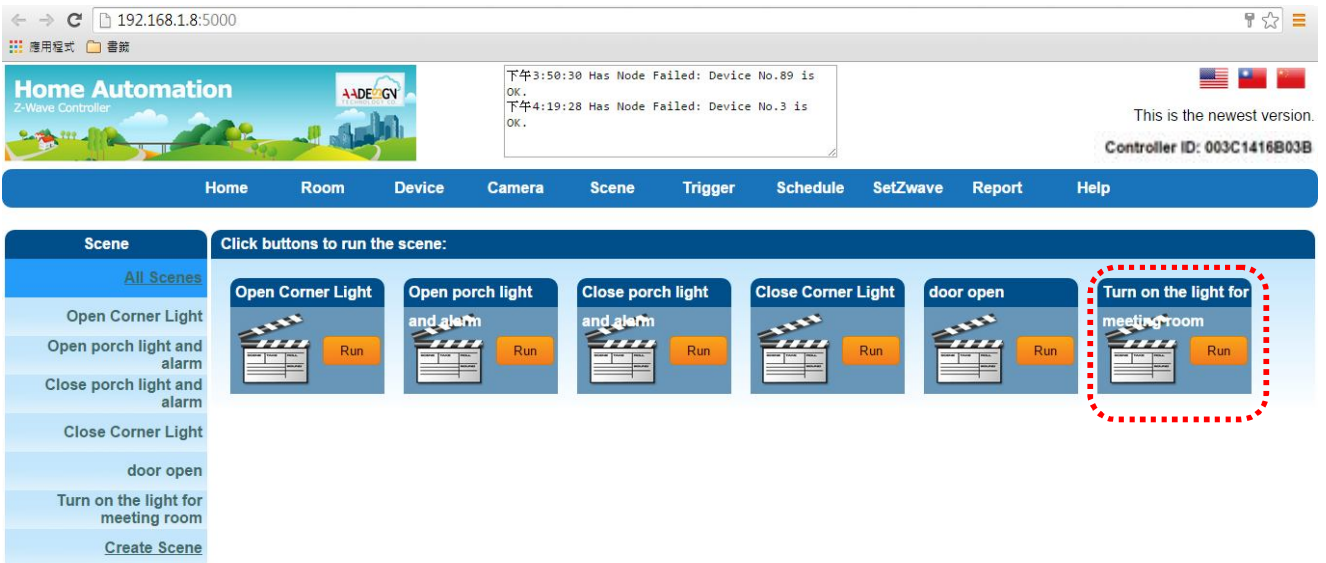


You also can delete a controlled Z-Wave device in this scenario by clicking on the icon of "X". Then you will see this controlled device disappear on the screen now.

Step 3: Setting the proper action for each device. For example: you can turn on the light by clicking on "On" button. Then you will see the color of light has changed to bright yellow.



Step 4: You can click on “Run” button of the scene that has set by yourself. The corresponding Z-Wave device will be used.



#### Federal Communications Commission Statement

This equipment has been followed to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna,
- Increase the separation between the equipment and receiver,
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

#### IMPORTANT NOTE : (For Mobile Device Configuration)

#### FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.