

SKYNET PLANNER V2.11

USER MANUAL

VERSION 2.11

11 OCTOBER 2013



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2

3 Startup

Upon startup of the SKYNET Planner, the Home Screen with an empty project will be displayed.

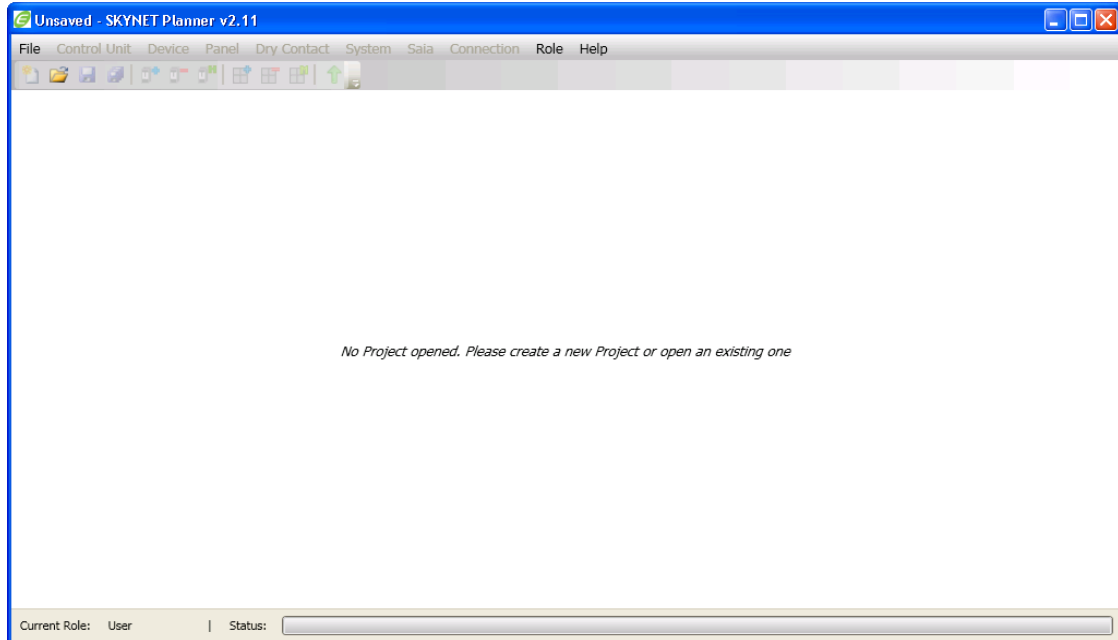


Figure 3-1 Empty Project

3.1 User Role

To operate SKYNET Planner, click Role -> Switch -> Administrator. A role switch password box will pop up. Input password "admin" and press "OK" button.

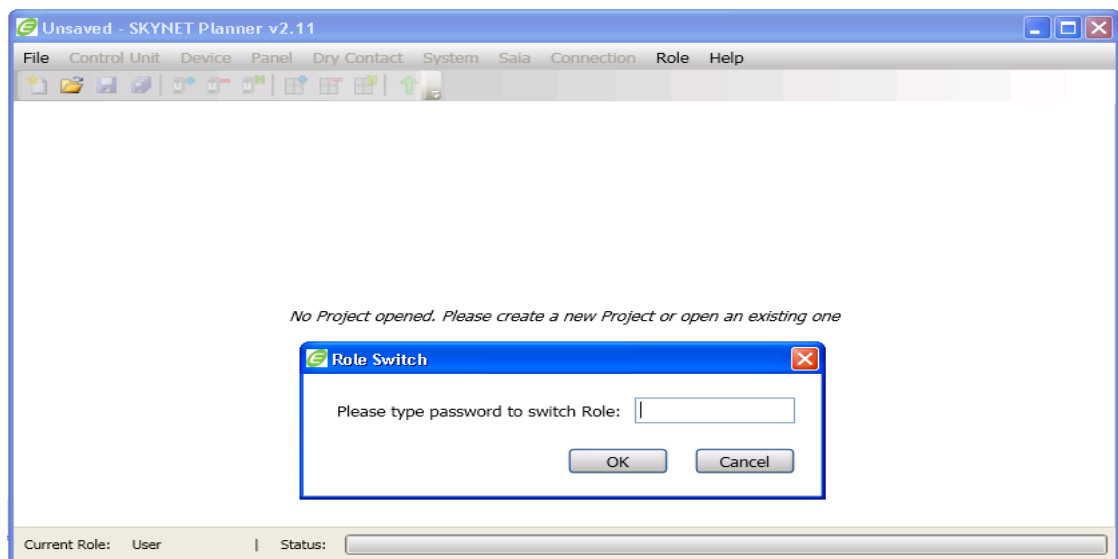


Figure 3-2 User Role

4 Managing a Project

4.1 Create New Project

To create a new project click File -> New Project or hold CTRL+N or press  icon.

By default, SKYNET Planner will set all the onboard gang to Switch function in Main Unit.

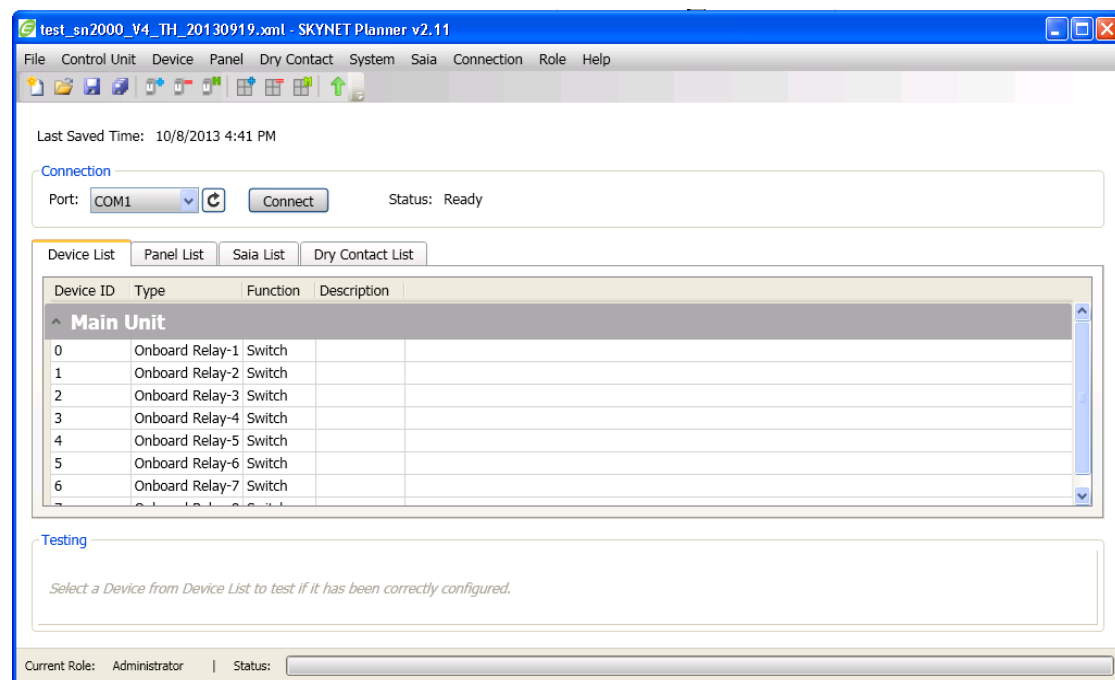




Figure 4-1 New Project

A confirmation message box will pop up to prompt the user if the project was already opened to confirm whether to save previous project and create a new project or cancel the new project.


4.2 Saving Project

To save all the changes made to a project, click File -> Save or hold CTRL+S or press  or  icon.

A dialog box will pop up for selecting the location where the project will be saved. If the project has previously been saved, then the project will be saved automatically and no dialog box will pop up.

Alternatively, the user can also click File -> Save As. This will prompt the user with a location to save the project no matter whether the project has previously been saved before or not.

4.3 Open Project

To make changes to a previously saved project, click File->Open Project or hold CTRL-O or press  icon.

A confirmation message box will pop up to prompt the user whether to save previous project and open the project or cancel to open the project.

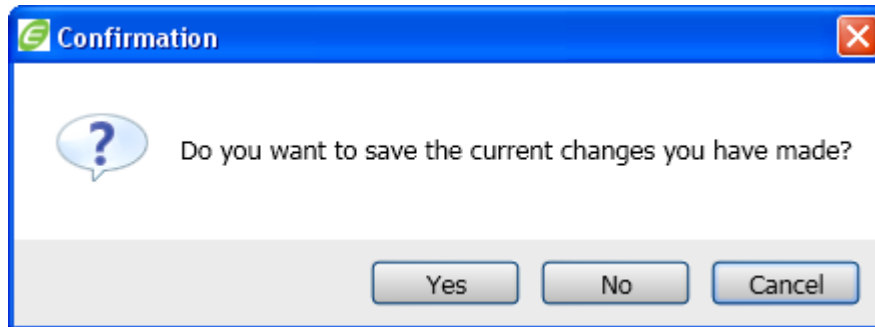


Figure 4-2 Confirmation Message Box

5 Control Unit

5.1 Add Control Unit

To add a new Control Unit, click Control Unit -> Add or press  icon.

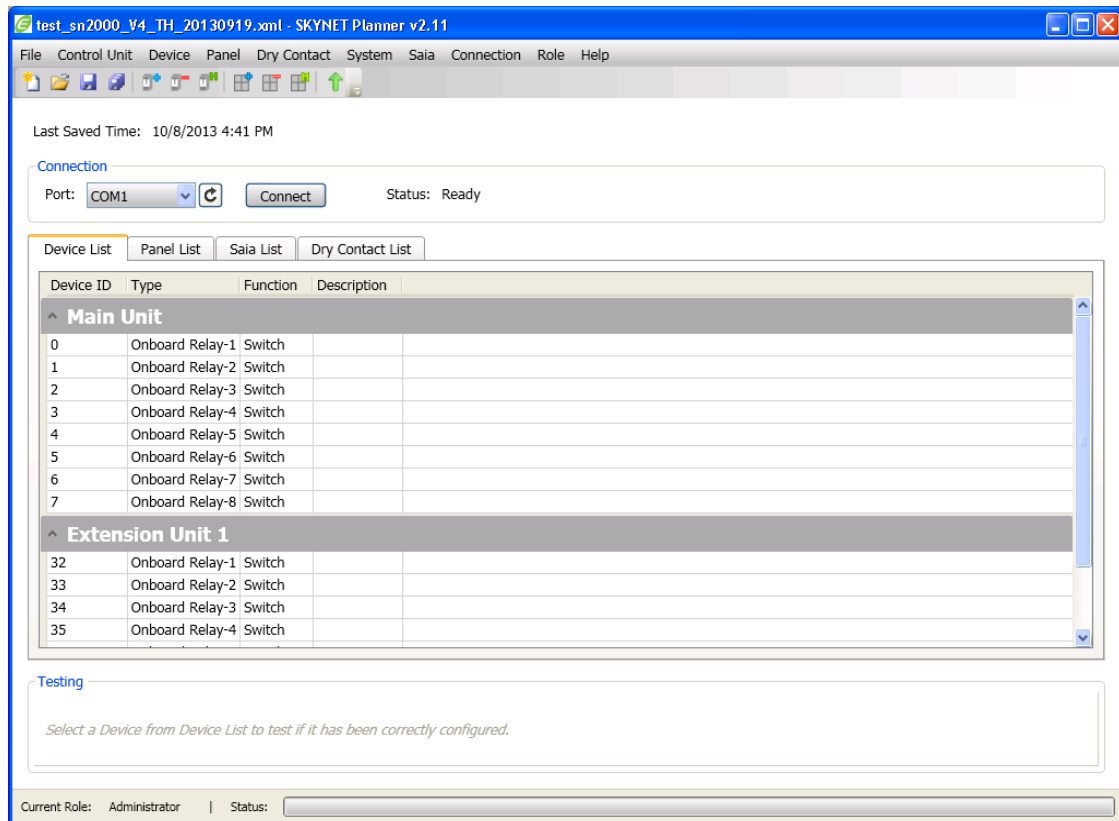




Figure 5-1 New Control Unit


In the above figure, a new Extension Unit has been added. The default setting shows all onboard gangs set to the Switch function.

 **NOTE:** Clicking on the corresponding "Description cell" can modify the Description of all devices.

5.2 Delete Control Unit


In order to delete a previously created Control Unit, click Control Unit -> Delete or press  icon.

A "Delete a Control Unit" box will pop up. Select the extension unit and press "OK" button to delete or press "Cancel" button to ignore delete.

 **NOTE:** Main Unit is not allowed to delete.

A confirmation message box will pop up to prompt the user whether to delete the Unit or cancel to delete the project.

5.3 Modify Control Unit

To modify the functions of each individual gang in a control unit, click Control Unit -> Modify or press  icon.

Select the Unit and press "OK" button to modify control unit or press "Cancel" button to ignore modification.

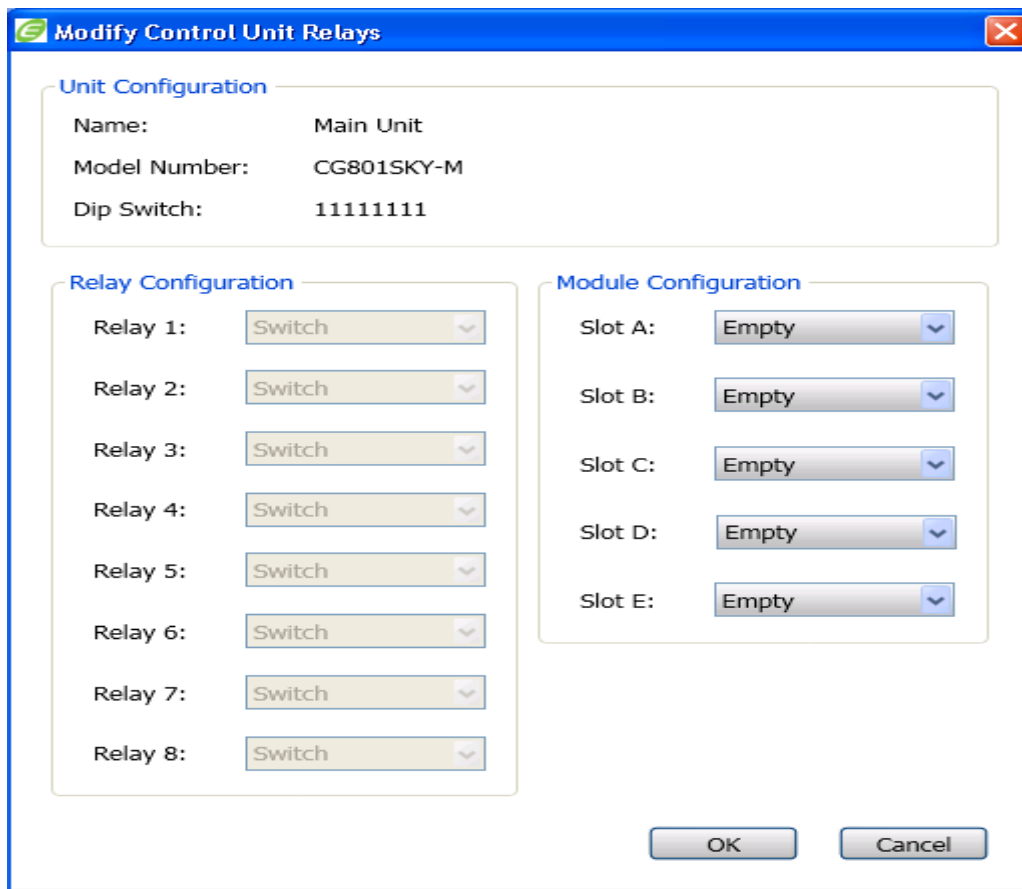


Figure 5-2 Modify Control Unit

5.3.1 Unit Configuration

In Unit configuration, it displays Unit information as shown in Figure 3-2.

5.3.2 Relay Configuration

In Relay configuration, it is set to Switch by default as shown in Figure 3-2.

5.3.3 Module Configuration

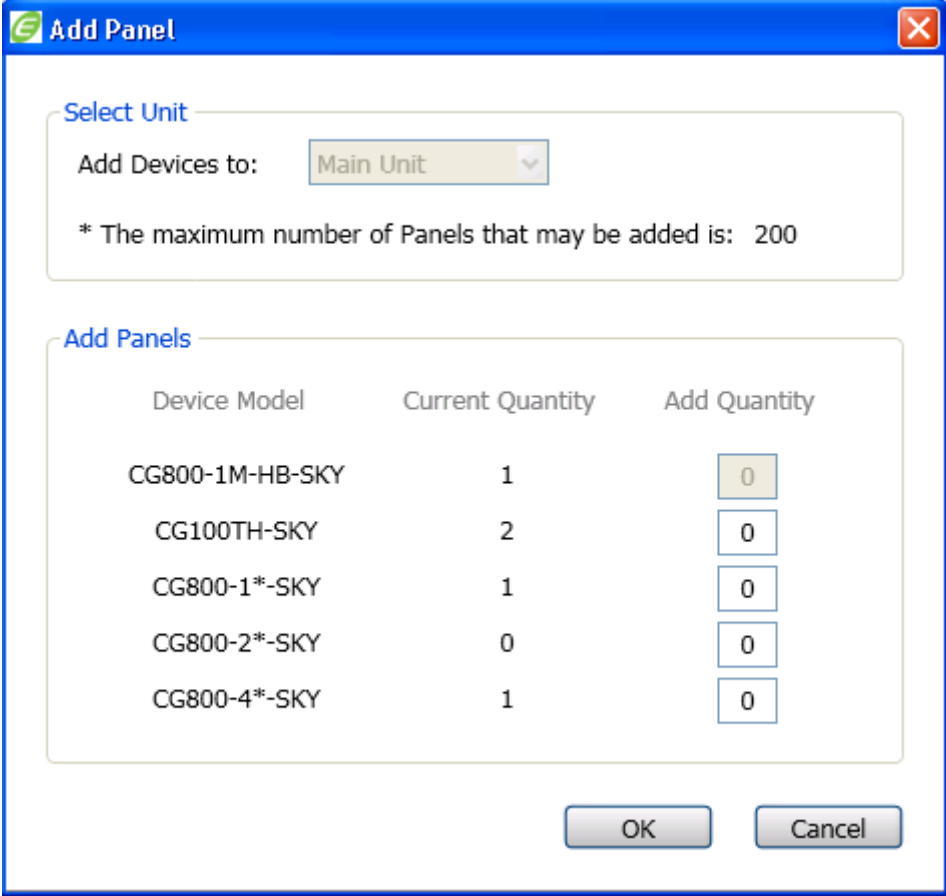
In Figure 3-2, there are five modules that can be configured. The options for each module are as follows:

- Empty
- 4SW-Module (Switch)
- Dim-Module (Dimmer)

6 Panel

6.1 Add New Panel

To add a new Panel, click Panel -> Add or press  icon.



Device Model	Current Quantity	Add Quantity
CG800-1M-HB-SKY	1	0
CG100TH-SKY	2	0
CG800-1*-SKY	1	0
CG800-2*-SKY	0	0
CG800-4*-SKY	1	0

Figure 6-1 Add New Panel

The Panel models that can be added to a Main Unit are as follows:

- CG800HB (Door Bell Control Panel)
- CG100TH (Temperature Control Panel)
- CG800H4-MD (4 Gang Mood Control Panel)
- CG800H1 (1 Gang Control Panel)
- CG800H2 (2 Gang Control Panel)

Select the desired panel for modification. User can input the description name for each panel by doing a single click in the “Description Cell”. Each panel has its own address indicating by Dip Switch as shown below in Figure 4-3 Panel List.

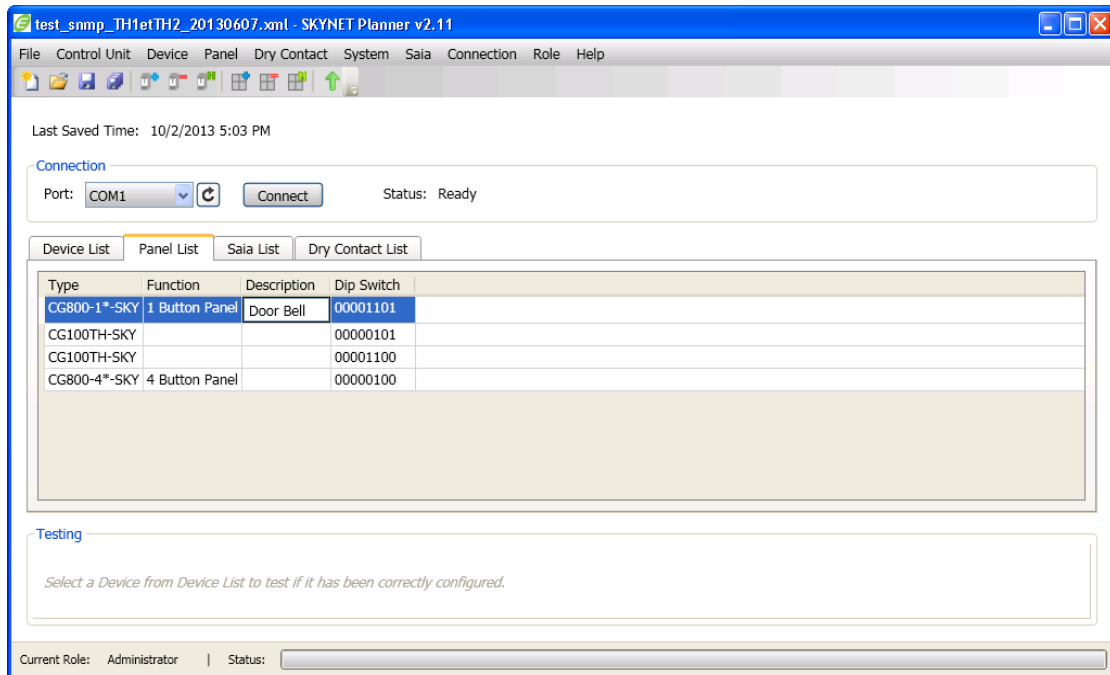




Figure 6-2 Panel List

The figure above shows 4 newly created Panels, 1 CG800-1, 4 CG800-4 and 2 CG100TH.

6.2 Delete Panel

In order to delete a panel, highlight the selected panel and click Panel -> Delete or press  icon. The selected panel will be removed from the panel list.

6.3 Modify Panel

In order to modify a panel, highlight the selected panel and click Panel -> Modify or press  icon or double click the highlighted panel in panel list.

6.3.1 Control Panel

The number of buttons in panel depends on the selected model. To add devices to a Control panel, double click any one of the buttons.

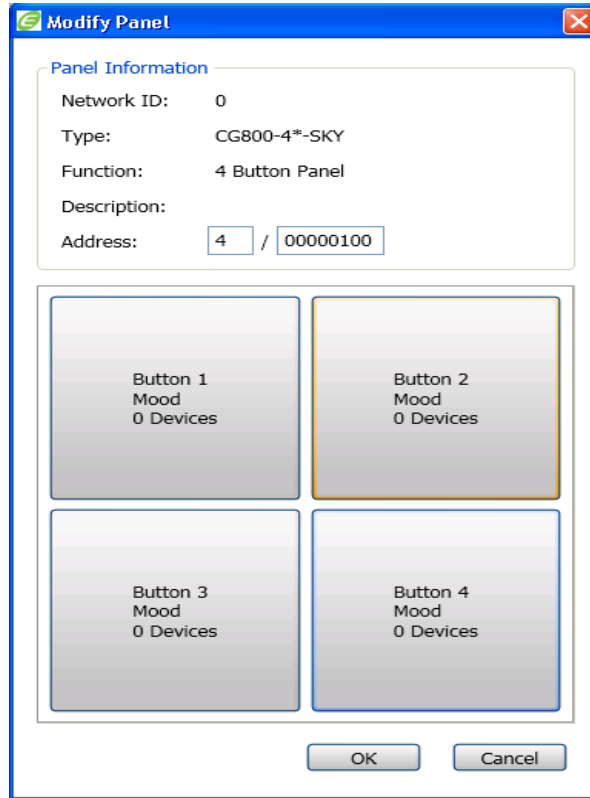


Figure 6-3 Modify Panel

The figure above shows an example of the Modify Panel screen. The example used is a 4 Button Panel. This panel screen shows the panel information such as Network ID, Panel Type, Panel Function, Panel Description and the Panel address.

6.3.1.1 Set Address

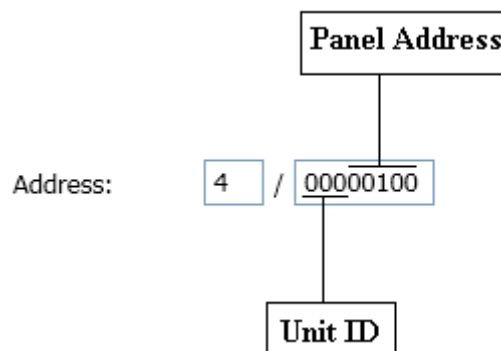


Figure 6-4 Set Address

There are two ways of setting address in SKYNET Planner. After confirming the address, the user should set the Dip Switch at the back of panel.

On the right hand side of the address information is similar to dip switch pins. The panel address has only 5 bits from right to left on the least significant bits and the units Network ID has only 3 bits from right to left on the Most significant bits.

For example:

Setting address 4 in panel for Unit ID "0".

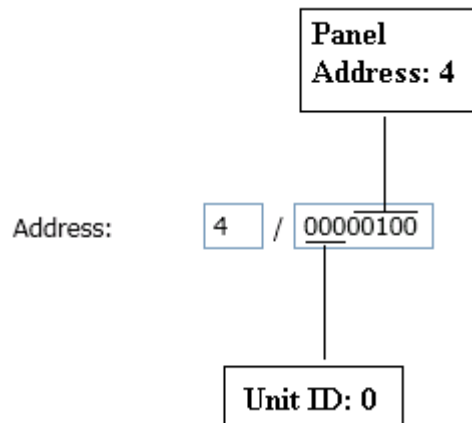


Figure 6-5 Setting Address in Bit Format

Setting address 4 in panel for Unit ID "1".

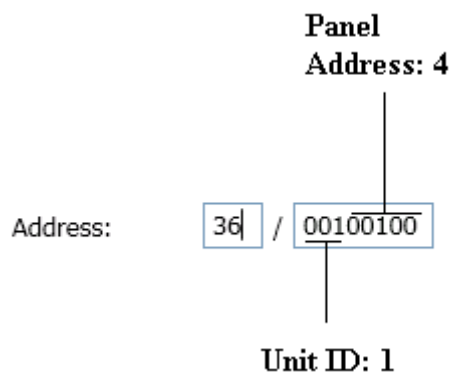


Figure 6-6 Setting Address in Decimal Format

On the left hand side of the address information is the decimal number of the panel address.

6.3.1.2 Map Devices in Panel

To map devices to a specific button, double click anyone of the button to bring up a new screen. For more details refer to section [“4.3.1 Control Panel”](#)

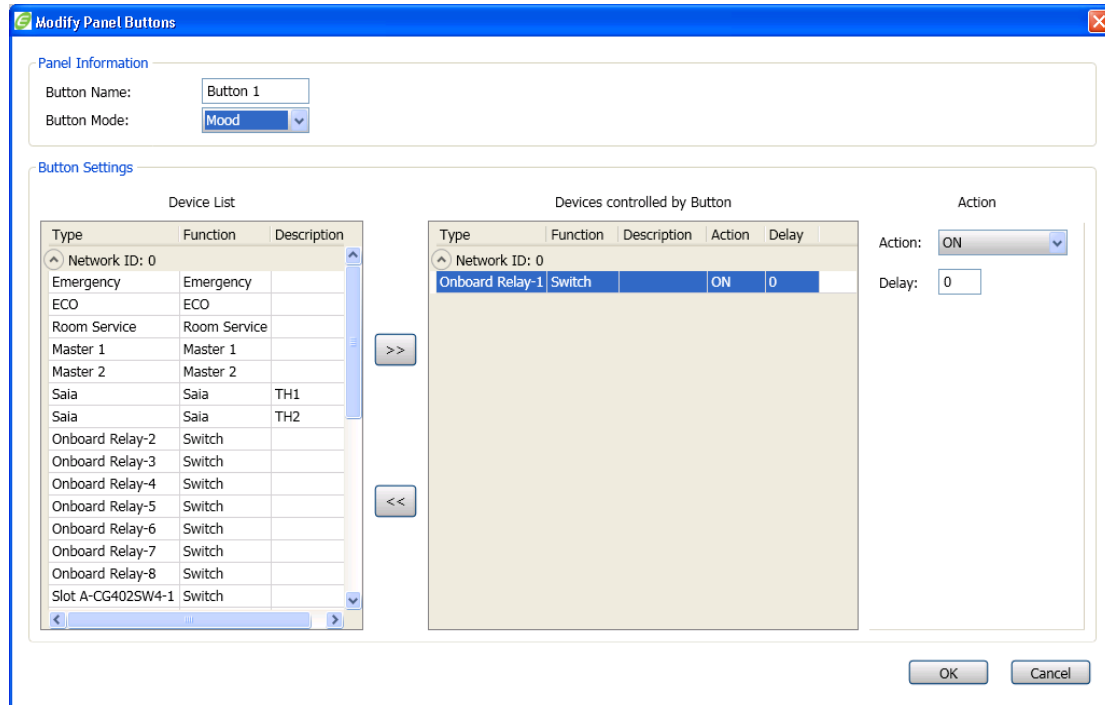




Figure 6-7 Adding Devices in Panel

The Device List shows all the devices that can be added to the button. To specify a device to be controlled by the button, highlight it and press the  button. The selected device will be shifted from the “Device List” to the “Device controlled by button” list. Similarly, to remove a device from a button, select it and press the  button.

The options that are available for button mode are as follows:

- Toggle
- Mood
- One Key Dim
- Key Card

For the Toggle, Mood and One Key Dim Button Mode, all devices can be selected. The behaviors available for each device are as follows:

- Switch: ON/OFF
- Air Conditioner: Temperature, Fan Speed (High/Mid/Low)
- Dimmer: Dim ON, Dim OFF and Dim Level (1 - 100)

For the Key Card, all devices cannot be selected from the panel.

6.3.2 Temperature Panel

Select only 1 SAIA ID for each Temperature panel. More brief for TH panel address setting is in section "[4.3.1.1 Set Address](#)".

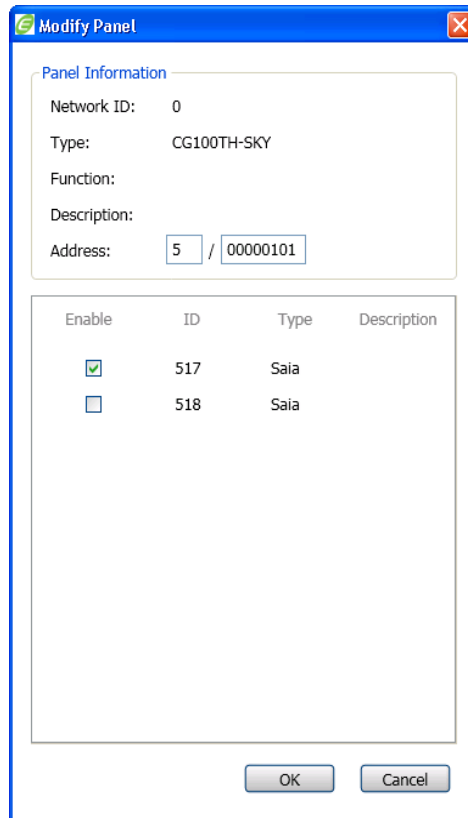


Figure 6-8 Temperature Panel

7 SAIA

7.1 Add New SAIA Device

Each CG100-TH panel has one Saia Device ID. To set the Saia Device, click Saia-> Add Saia Devices. The user can set up to maximum 8 Saia Device.

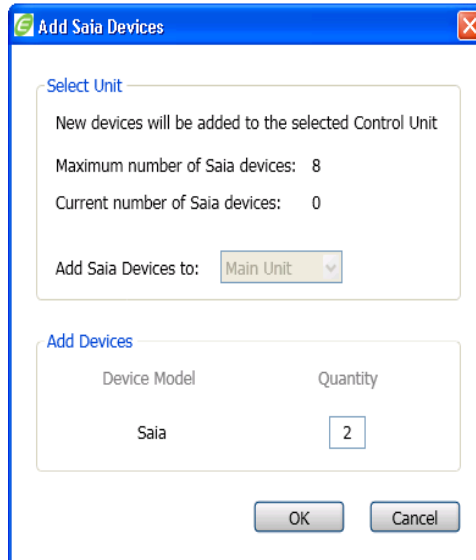


Figure 7-1 Adding SAIA Devices

After pressing “OK” button, the user can see the Saia Device in Saia list as shown below figure.

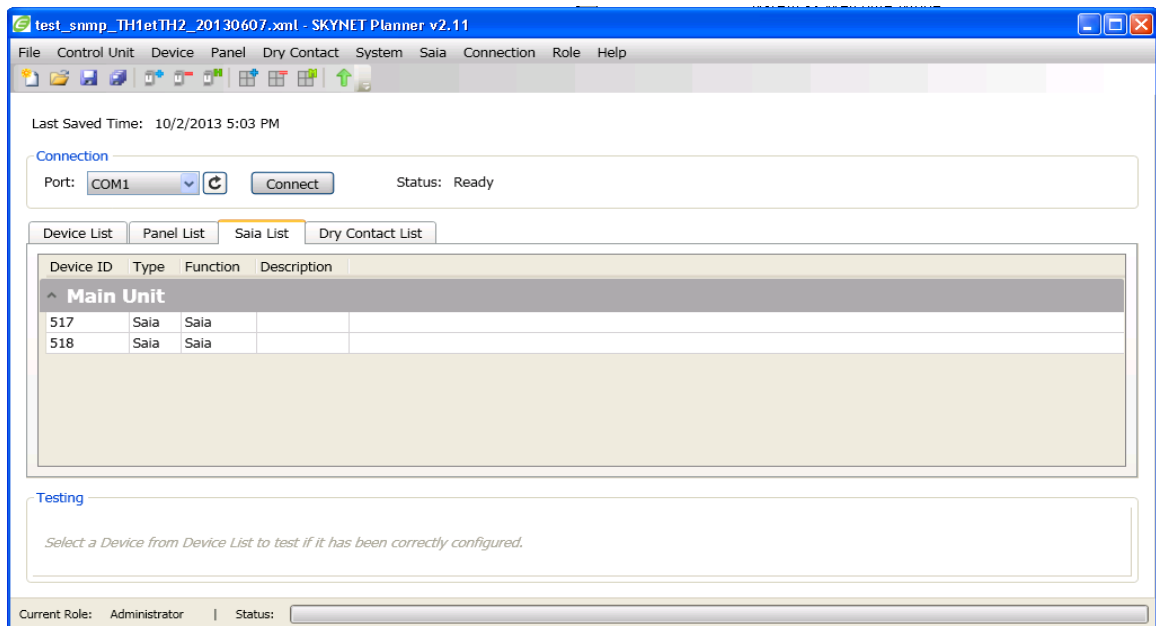


Figure 7-2 SAIA List

7.2 Delete SAIA Device

Highlight the Saia Device from the Saia List. Click Saia-> Delete Saia Device. A confirmation message box will pop up to prompt the user whether to delete the Saia Device or cancel to delete the Saia Device.

7.3 SAIA Register Settings

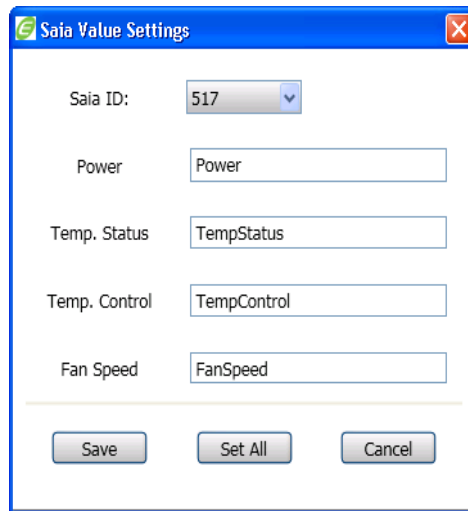
Setting	Register (OID) Number	Value
Saia ID	517	
<input checked="" type="checkbox"/> Power On	100	0
<input checked="" type="checkbox"/> Power Off	100	0
<input checked="" type="checkbox"/> Saia Temp. Status	101	
<input checked="" type="checkbox"/> Temp. Status	102	
<input checked="" type="checkbox"/> Temp. Control	103	
<input checked="" type="checkbox"/> Fan Low	104	1
<input checked="" type="checkbox"/> Fan Mid	104	2
<input checked="" type="checkbox"/> Fan High	104	3

Figure 7-3 SAIA Register Settings

To set Saia OID Settings, click Saia->Saia OID Settings. Select the Saia Device ID, which is related to the CG100-TH panel. To enable the Saia register, tick mark on each check box and input the register (OID) number. For fan speed set the Saia OID value from 1 to 3 as shown above figure.

Press "Save" button to save all the settings in SKYNET planner. Press "Set All" button to set in Main Unit. Press "Cancel" button to ignore settings.

7.4 SAIA Value Settings



The image shows a software dialog box titled "Saia Value Settings". It features a blue title bar with a close button in the top right corner. The main area contains five configuration items, each with a label and an input field:

- Saia ID:** A dropdown menu currently displaying the value "517".
- Power:** A text input field containing the string "Power".
- Temp. Status:** A text input field containing the string "TempStatus".
- Temp. Control:** A text input field containing the string "TempControl".
- Fan Speed:** A text input field containing the string "FanSpeed".

At the bottom of the dialog, there is a horizontal line above three buttons: "Save", "Set All", and "Cancel".

Figure 7-4 SAIA Value Settings

To set Saia Value Settings, click Saia->Saia Value Settings. Saia value setting is the Send trap identification string. When the Saia send the trap messages to the Main Unit, it compare with Saia value string. When it matched, it finds the Saia device ID and hence finds the related CG100-TH panel and controls the panel such as Power ON/OFF, Temperature status, Temperature control and Fan speed.

Press "Save" button to save all the settings in SKYNET planner. Press "Set All" button to set in Main Unit. Press "Cancel" button to ignore settings.

7.5 SAIA Room Status OID Settings

	ON Register	ON Value	OFF Register	OFF Value
DND	200	1	200	0
Make-Up Room	202	1	202	0
Keycard	204	1	204	0
Room Service	206	1	206	0
Emergency	208	1	208	0
ECO	210	1	210	0
Master 1	212	1	212	0
Master 2	214	1	214	0

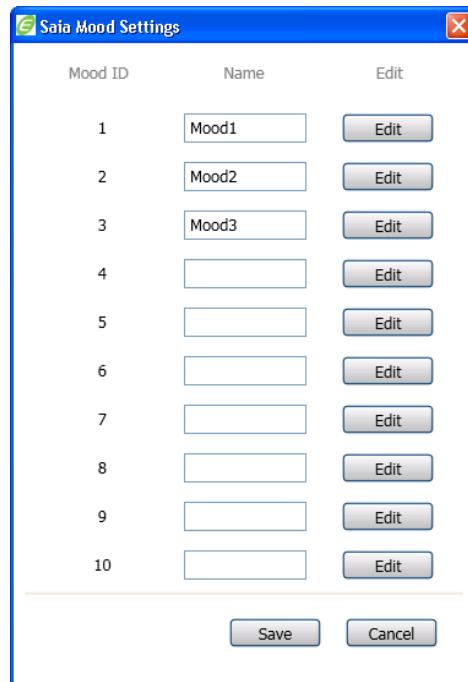
Save Set Cancel

Figure 7-5 SAIA Room Status Settings

To set the Saia room status OID settings, click Saia->Saia Room Status OID Settings. Input the Saia register (OID) number and ON/OFF values as shown in Figure 5-5. These Saia register number and its value are sending to Saia, when the room status changes.

Press "Save" button to save all the settings in SKYNET planner. Press "Set" button to set in Main Unit. Press "Cancel" button to ignore settings.

7.6 SAIA Mood Settings



Mood ID	Name	Edit
1	Mood1	Edit
2	Mood2	Edit
3	Mood3	Edit
4		Edit
5		Edit
6		Edit
7		Edit
8		Edit
9		Edit
10		Edit

Save Cancel

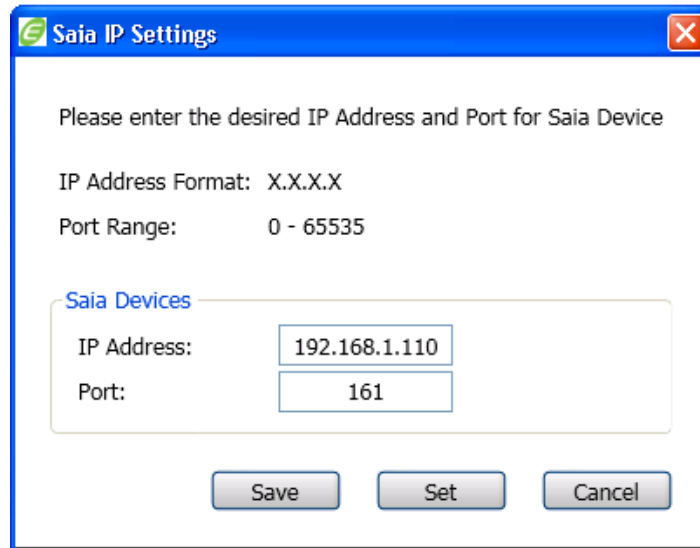
Figure 7-6 SAIA Mood Settings

To set the Saia mood settings, click Saia->Saia Mood Settings. Saia mood name is the send trap identification string. When mood name in SKYNET planner matched with Saia send trap, it controls the devices.

To map devices to the specific mood, press the “Edit” button. For more detail go to section [“4.3.1.2 Map Devices in Panel”](#).

Press “Save” button to save all the settings in SKYNET planner. Press “Cancel” button to ignore settings.

7.7 SAIA IP Settings



Please enter the desired IP Address and Port for Saia Device

IP Address Format: X.X.X.X
Port Range: 0 - 65535

Saia Devices

IP Address: 192.168.1.110
Port: 161

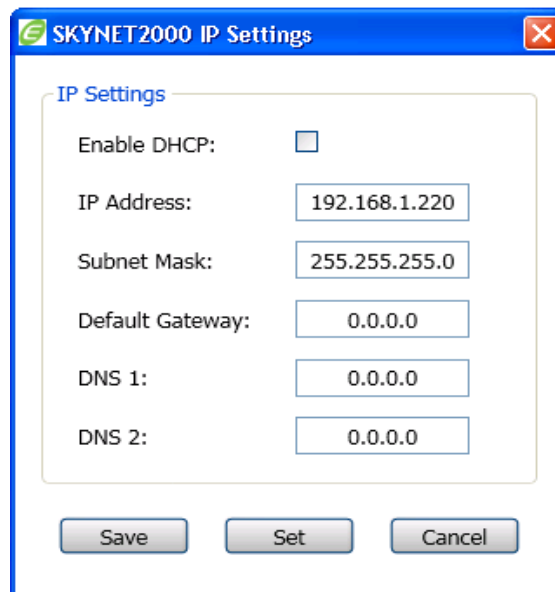
Save Set Cancel

Figure 7-7 SAIA IP Settings

To set the Saia IP settings, click Saia->Saia IP Settings. User selects the Saia device IP address and port number.

Press "Save" button to save all the settings in SKYNET planner. Press "Set" button to set in Main Unit. Press "Cancel" button to ignore the settings.

7.8 Ethernet Settings



SKYNET2000 IP Settings

IP Settings

Enable DHCP:

IP Address: 192.168.1.220
Subnet Mask: 255.255.255.0
Default Gateway: 0.0.0.0
DNS 1: 0.0.0.0
DNS 2: 0.0.0.0

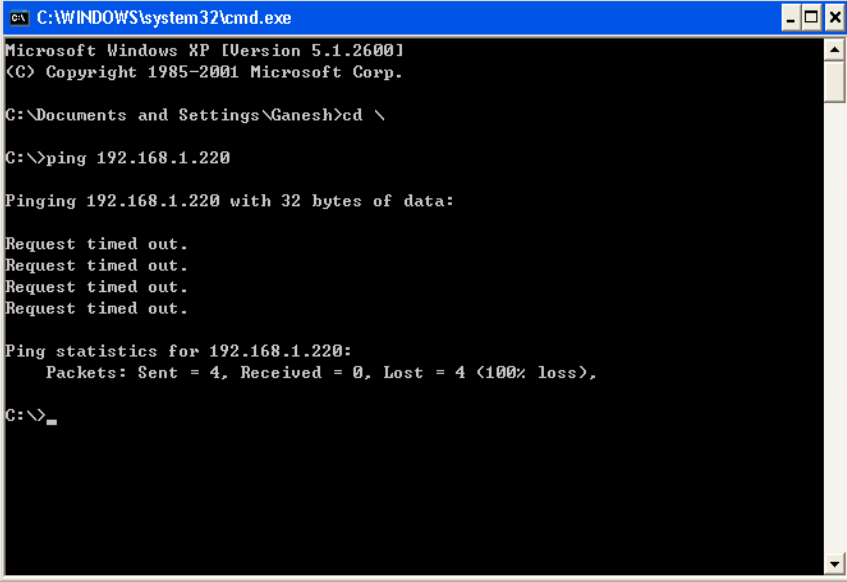
Save Set Cancel

Figure 7-8 Main Unit Ethernet Settings

To set the Ethernet settings, click Saia->SKYNET2000 IP Settings.

a) Fixed IP address

Before setting the fixed IP address, first open the DOS command prompt. Type “ping IP address” as shown below figure.



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\Ganesh>cd \

C:\>ping 192.168.1.220

Pinging 192.168.1.220 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 192.168.1.220:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>_
```

Figure 7-9 Test of IP Address

If ping request time out that means you can use that IP address. Input Subnet Mask and Default Gateway.

b) Enable DHCP

For DHCP setting, select DHCP only.

Press “Save” button to save all the settings in SKYNET planner. Press “Set” button to set in Main Unit. Press “Cancel” button to ignore the settings.

8 Dry Contact

8.1 Enable Dry Contact

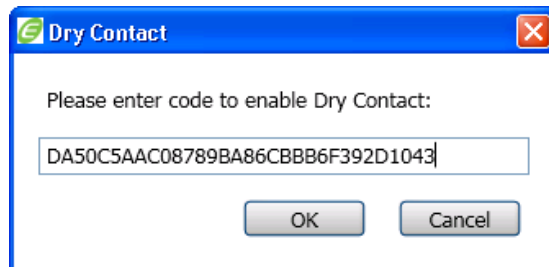


Figure 8-1 Key Setting for Dry Contact

To enable the Dry Contact, click Dry Contact->Enable. The Dry Contact window pop up and input the encrypted key in the text box and press “OK” button. The CityGrow System Ltd provides the encrypted key.

A “Success” message box pop up.

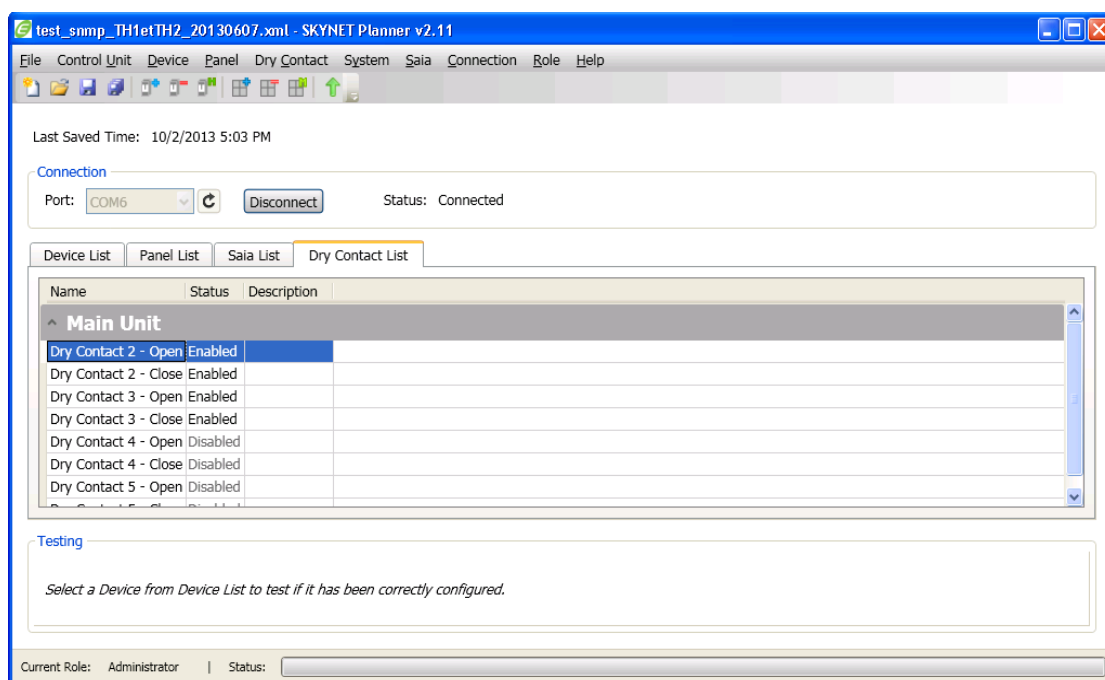


Figure 8-2 Dry Contact List

Above figure shows the Dry Contact 2 (Open/Close) are being enabled and as well as Dry Contact 3.

To map devices to the specific Dry Contact, highlight the selected Dry Contact and click Dry Contact ->Modify. For more detail go to section [“4.3.1.2 Map Devices in Panel”](#).

9 System

9.1 Welcome Mode

The Welcome Mode in SKYNET2000 is activated when a keycard button is pressed in panel. To map devices to the Welcome mode, click System->Welcome Mode. For more detail go to section "[4.3.1.2 Map Devices in Panel](#)".

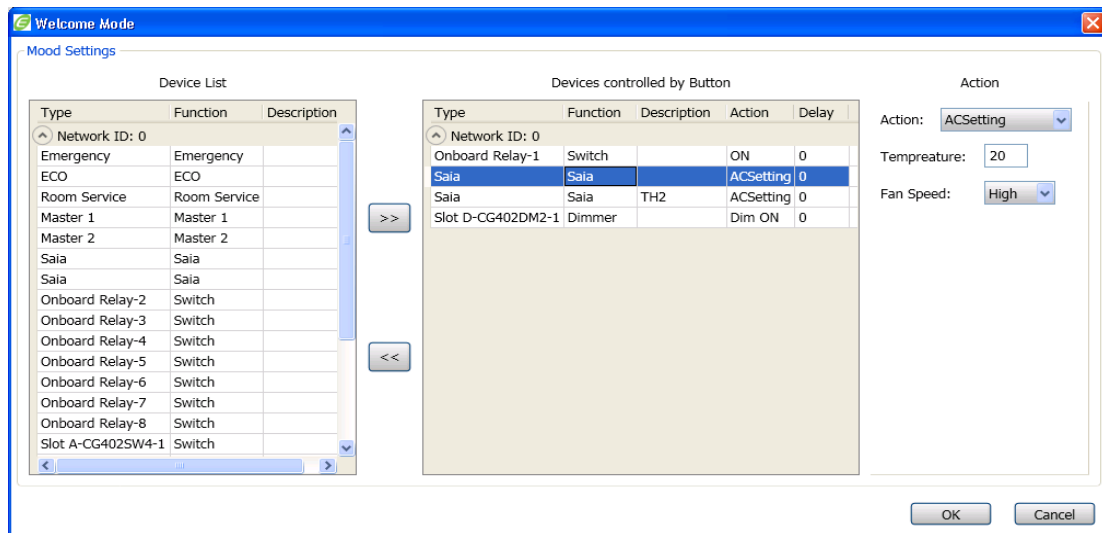


Figure 9-1 Welcome Mode Setting

9.2 All-Off Mode

The All-Off Mode in SKYNET2000 is activated when a keycard button is pressed in panel. To map devices to the All Off mode, click System->All Off Mode. For more detail go to section "[4.3.1.2 Map Devices in Panel](#)".

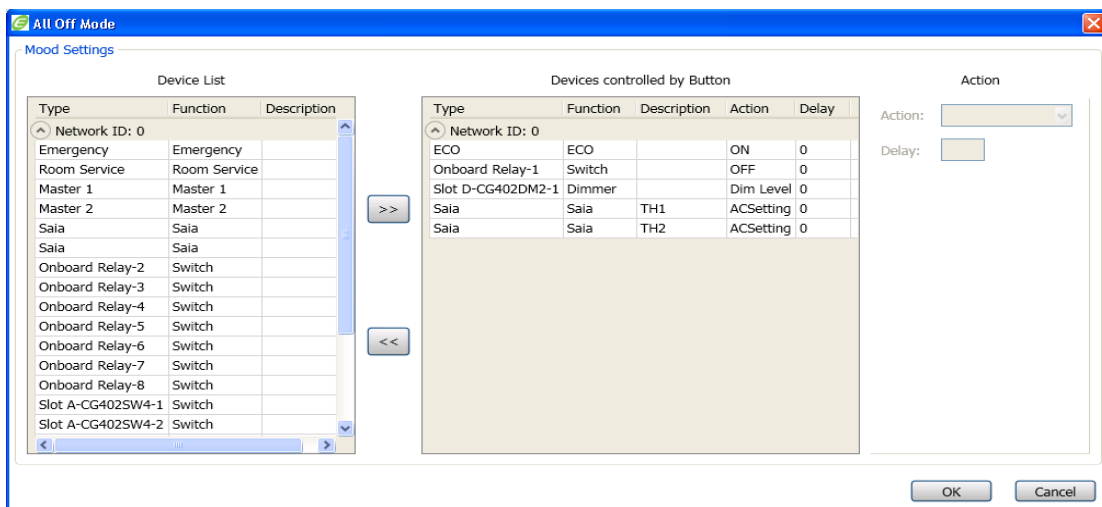



Figure 9-2 All-Off Mode Settings

9.3 Upload Settings

Once all Control Units and Panels have been added and set correctly in the project, the next step is to configure the SKYNET2000 system.

Connect the PC and Main Unit together with the PC to SKYNET Tools. If this has been connected correctly, then a new COM will appear in the dropdown box. Select the new COM, and press Connect.

Click System -> Upload Settings to begin sending the settings to the system. A progress bar will display how much longer it will take for the sending to complete.

Another way of uploading the settings is by pressing the  icon.

9.4 System Preference

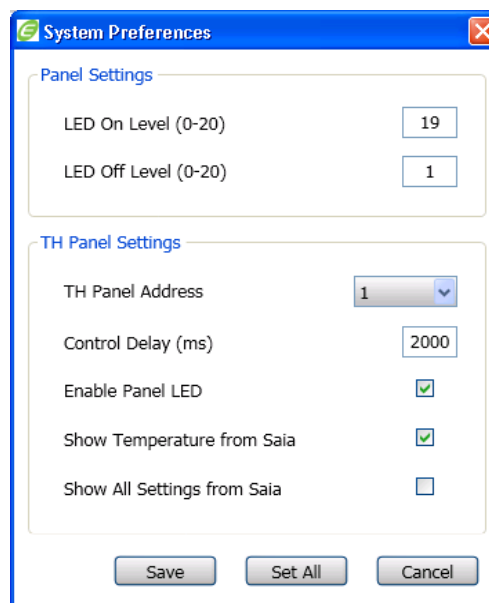


Figure 9-3 System Preferences Settings

To set the System Preference, click System->System Preferences.

a) For Panel Settings:

Set LED On level = 19 and LED Off level = 1, gives the brighter led.
Set LED On level = 10 and LED Off level = 1, gives the dimmer led.



NOTE: Addition of LED On level + LED Off level should not exceed above 20.
For TH Panel Settings:

b) Select the TH panel address.

Set Control Delay in milliseconds. Control delay is the timer delay for displaying the settings such as fan speed value, Current temperature value and Setting temperature value.

1. Tick mark on Enable panel led check box will turn ON the panel led background.
2. Tick mark on Show Temperature from Saia check box will display the temperature from Saia.
3. Tick mark on Show All Settings from Saia check box will display the Current Temperature and Fan Speed from Saia.