

OSUM

Smart Homes

Product Installation & Programming Guide



Includes following heads:

- All Products Connection Diagram
- Required Tool Kit
- Products Installation
- Wired BUS & Electricals Wiring & Connections
- Wi-Fi Configuration Steps of SL-Products
- Nodes Addressing Steps
- Group Creation, Add Scenes & Add Nodes
- Individual Nodes Programming
- Scene Controller Programming
- Technical Support Numbers

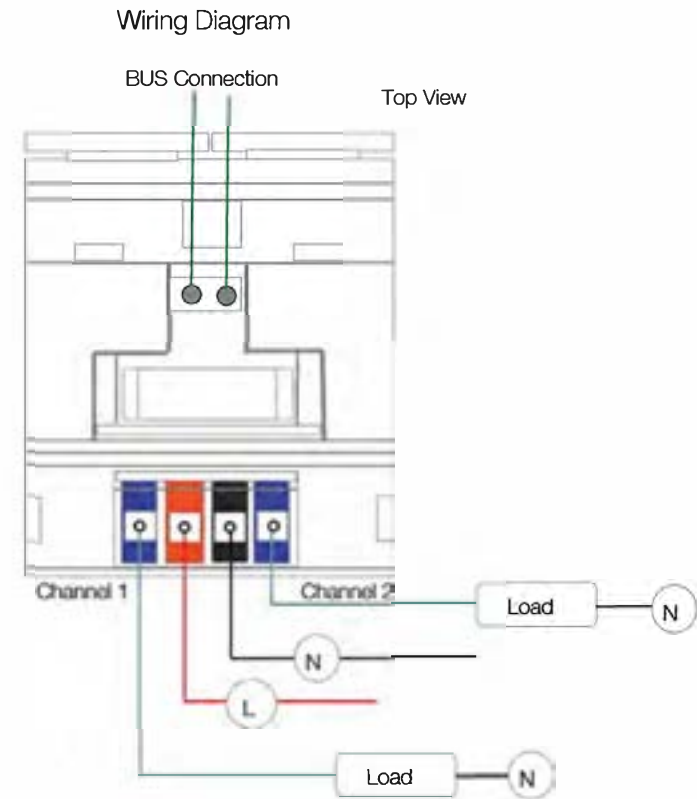
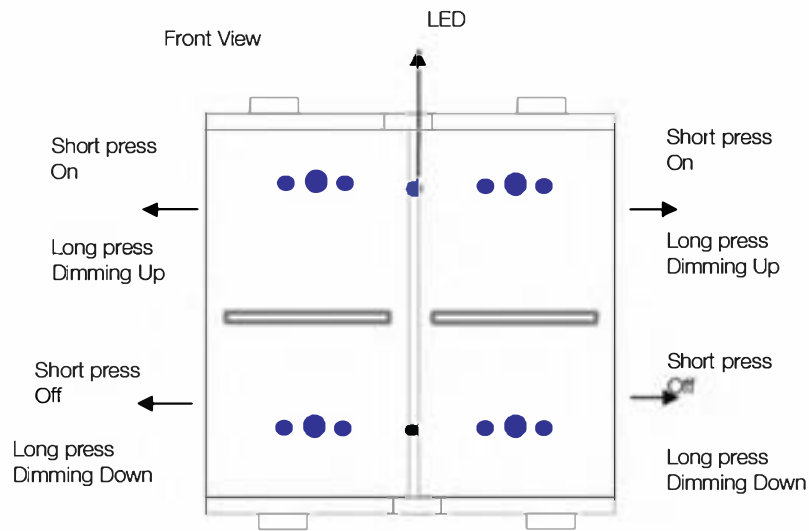


All Products Connection Diagram

- OS-SS-2CH-TRI-2M Dual Channel Dimmable Switch
- OS-SS-2CH-REL-2M Dual Channel Relay Switch
- OS-SS-CMC-CTL-2M Curtain Motor Controller- Standard
- OS-SS-DLC-CTL-2M Door Latch Controller- Standard
- OS-SS-IRB-CTL-2M IR Blaster- Standard
- OS-SS-BPS-STD-2M Bus Power Supply- Standard
- OS-SS-SCN-BPS-2M Scene Controller- With Bus Power supply
- OS-SS-SCN-CTL-2M Scene Controller- Standard
- OS-SS-SCN-CPL-BE Scene Controller- With Wired Coupler
- OS-SS-SCN-OCC-2M Scene Controller- Occupancy Sensor Support
- OS-SS-RGB-CTL-2M RGB Controller- DC PWM Based

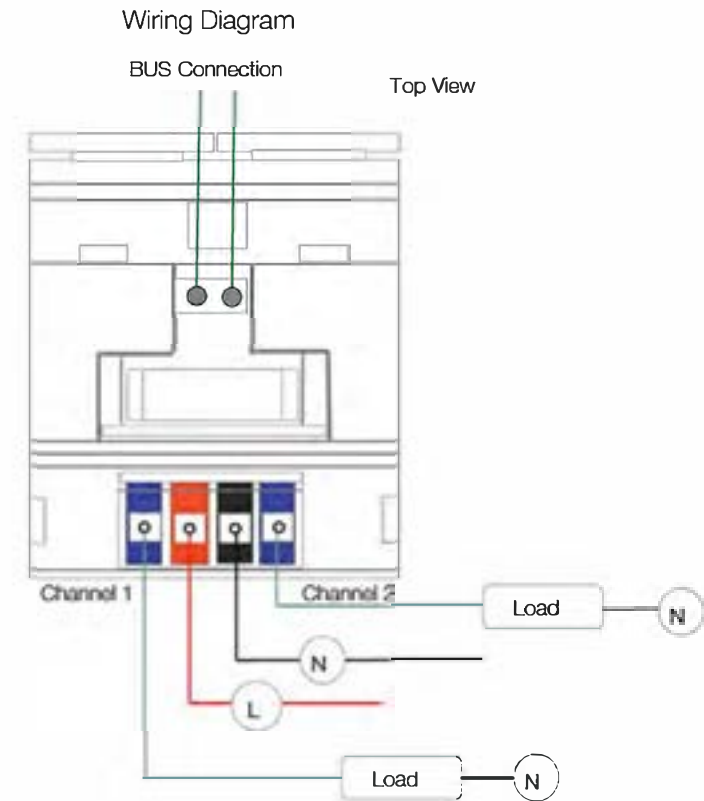
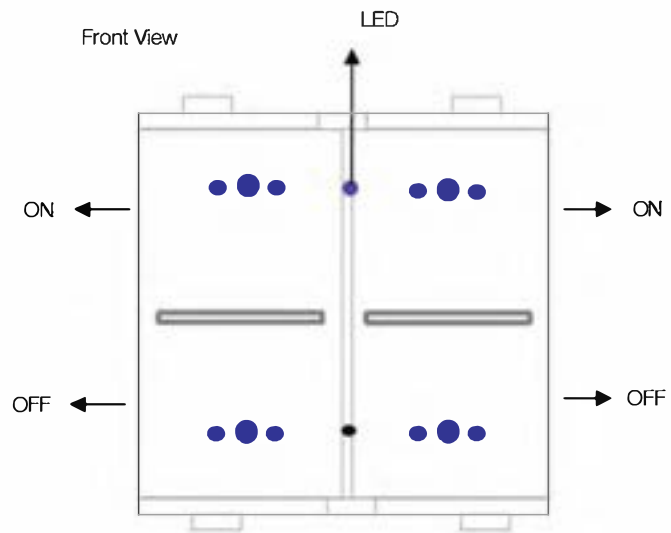


OS-SS-2CH-TRI-2M Dual Channel Dimmable Switch (Triac)



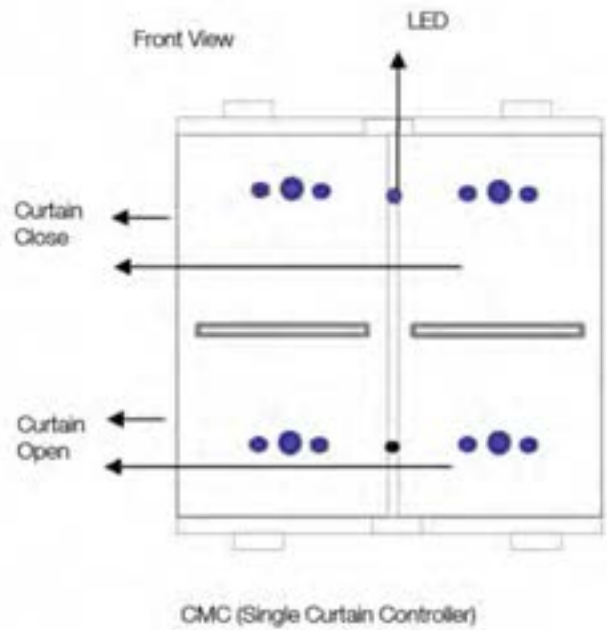


OS-SS-2CH-REL-2M Dual Channel Relay Switch

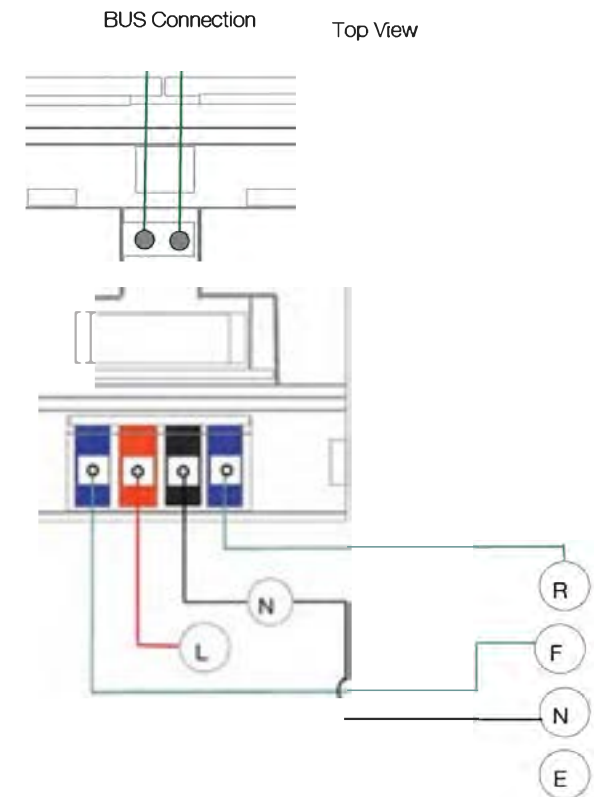




OS-SS-CMC-CTL-2M Curtain Motor Controller-Standard

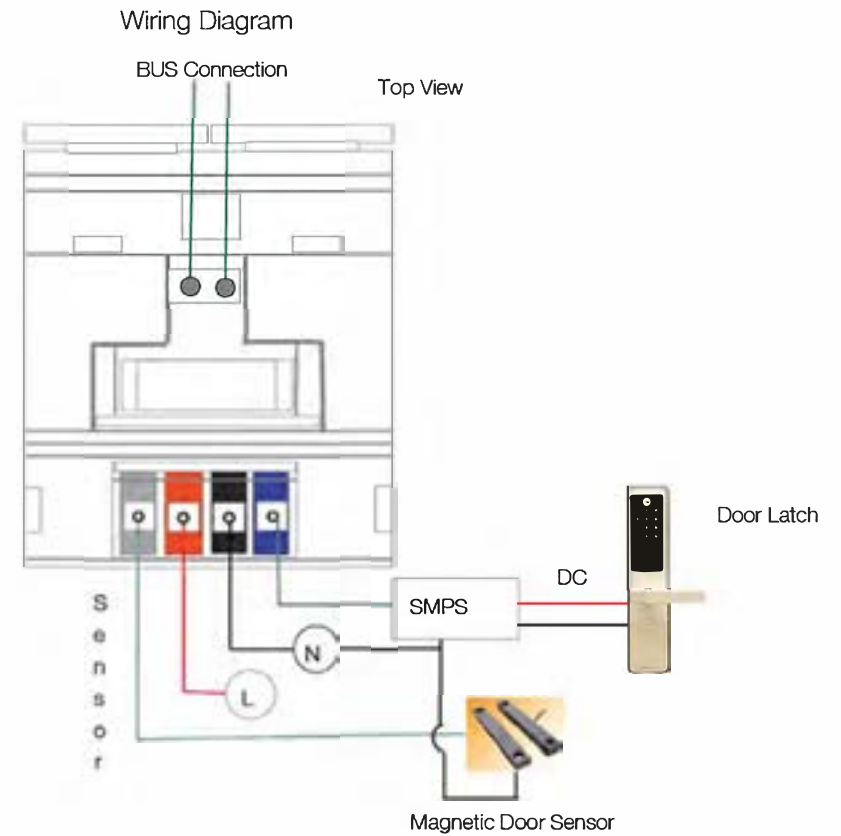
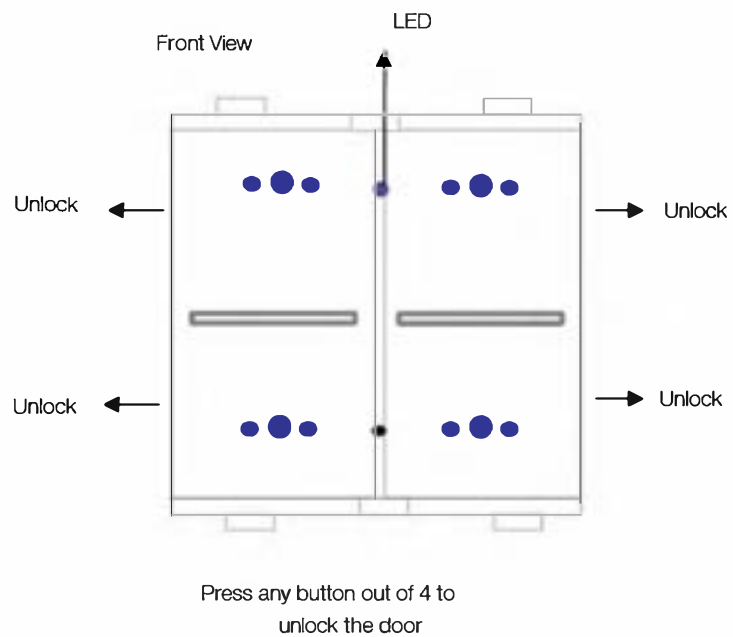


Wiring Diagram





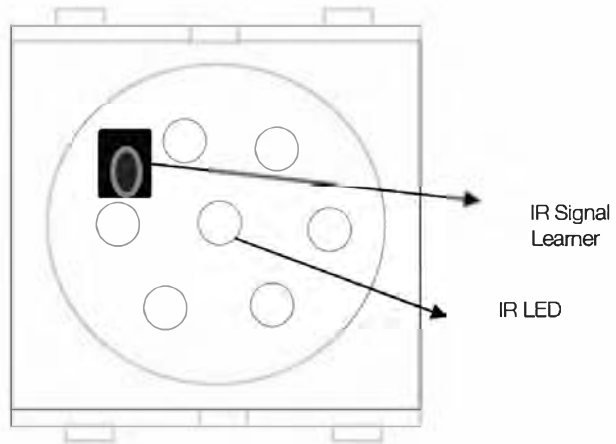
OS-SS-DLC-CTL-2M Door Latch Controller-Standard



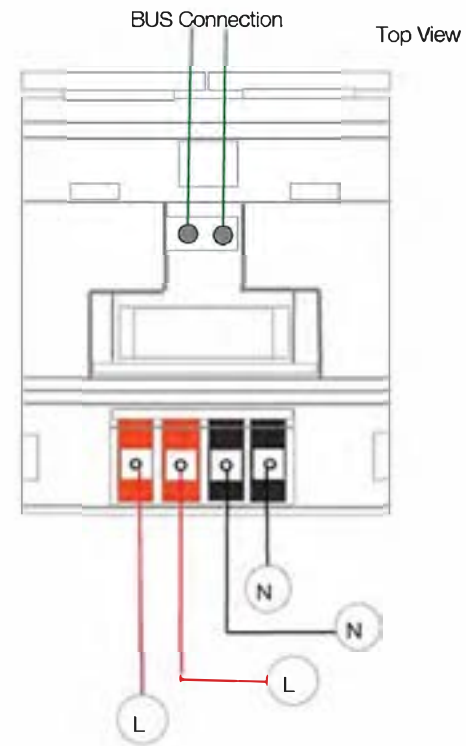


OS-SS-IRB-CTL-2M IR Blaster-Standard

Front View



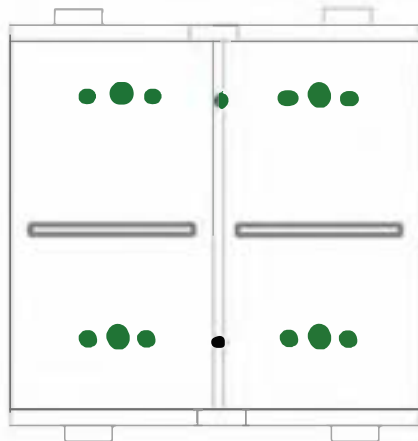
Wiring Diagram





OS-SS-BPS-STD-2M Bus Power Supply-Standard

Front View

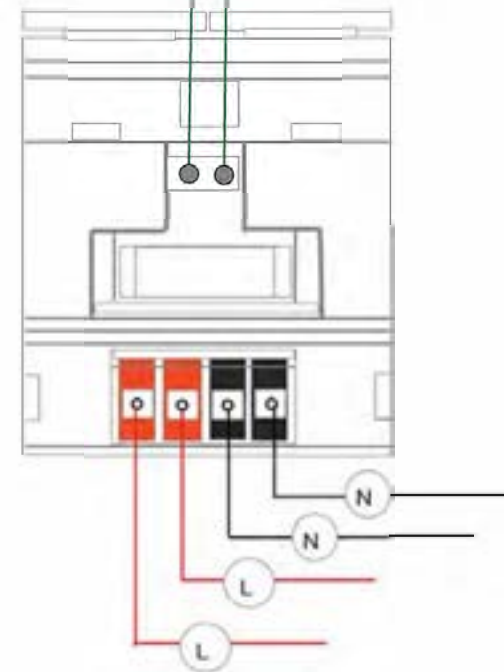


1 BUS Power Supply for max 32
Switches and 64 Controller

Wiring Diagram

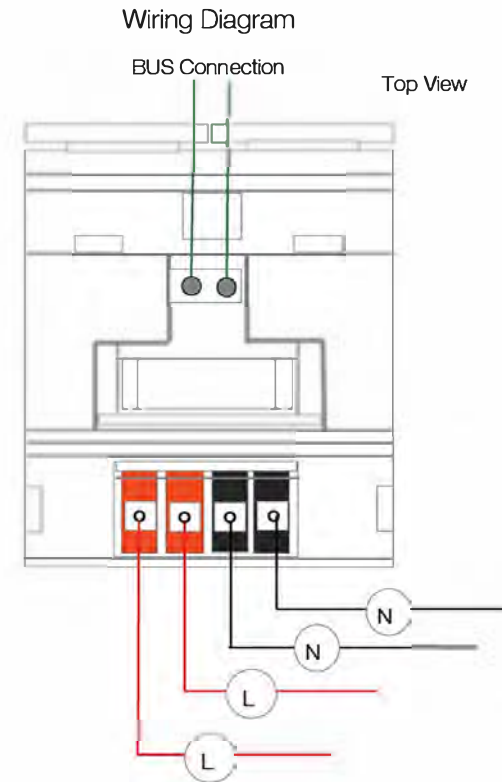
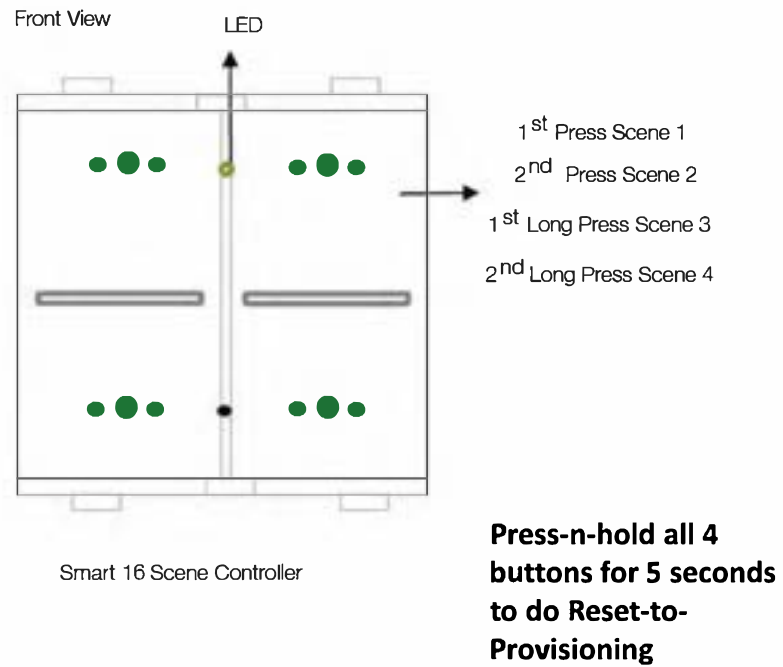
BUS Connection

Top View





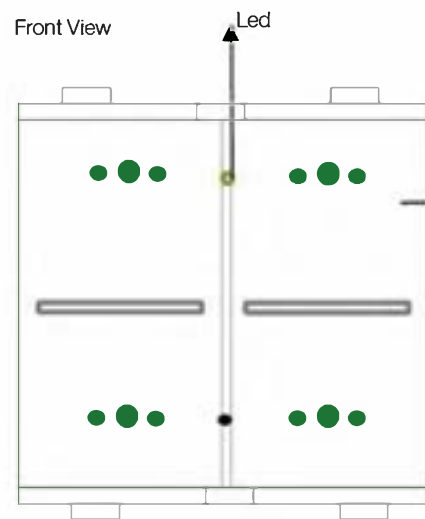
OS-SS-SCN-CTL-2M Scene Controller-Standard





OS-SS-SCN-CPL-BE

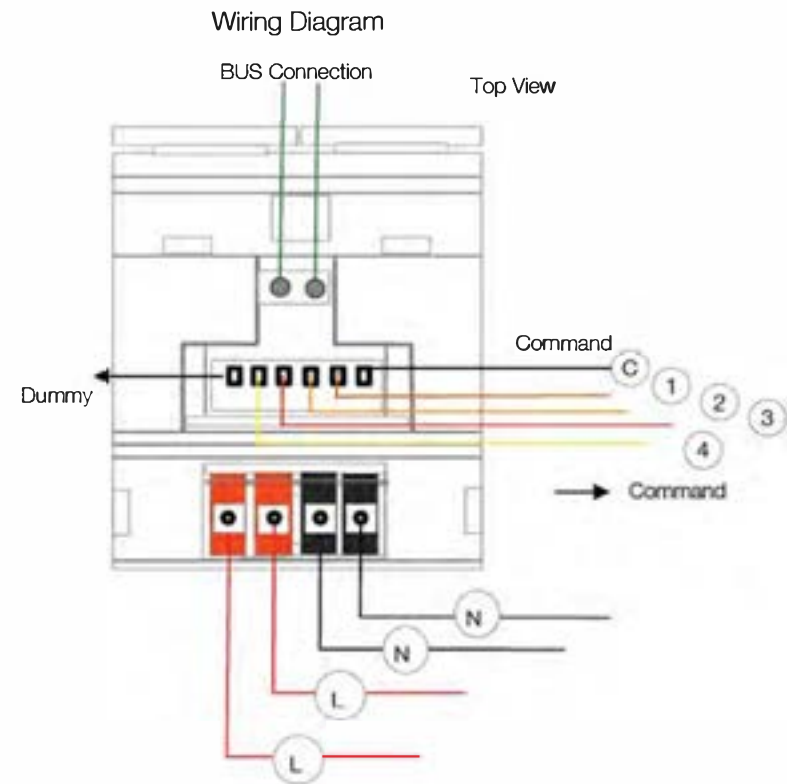
Scene Controller-With Wired Coupler. (For Third Party)



Smart 16 Scene Controller

- 1st Press Scene 1
- 2nd Press Scene 2
- Long Press Scene 3
- 2nd Long Press Scene 4

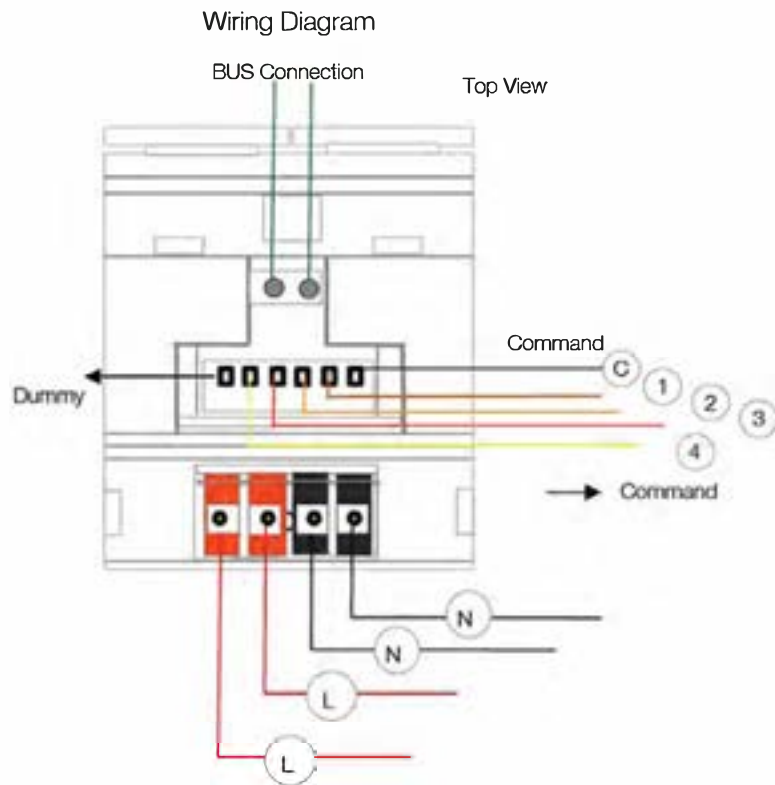
**Press-n-hold all 4
buttons for 5 seconds
to do Reset-to-
Provisioning**





OS-SS-SCN-CPL-BE

Scene Controller-With Wired Coupler. (For Third Party)



Example of third party switches

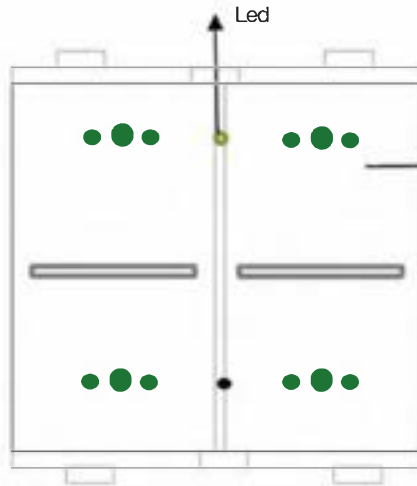




OS-SS-SCN-OCC-2M

Scene Controller - Occupancy Sensor Support

Front View

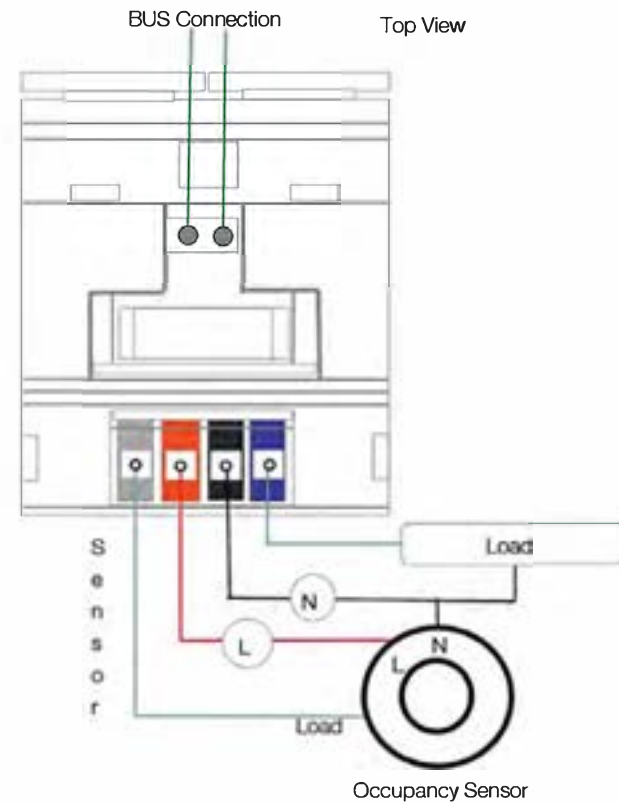


Smart 16 Scene Controller

- 1st Press Scene 1
- 2nd Press Scene 2
- 1st Long Press Scene 3
- 2nd Long press Scene 4

**Press-n-hold all 4
buttons for 5 seconds
to do Reset-to-
Provisioning**

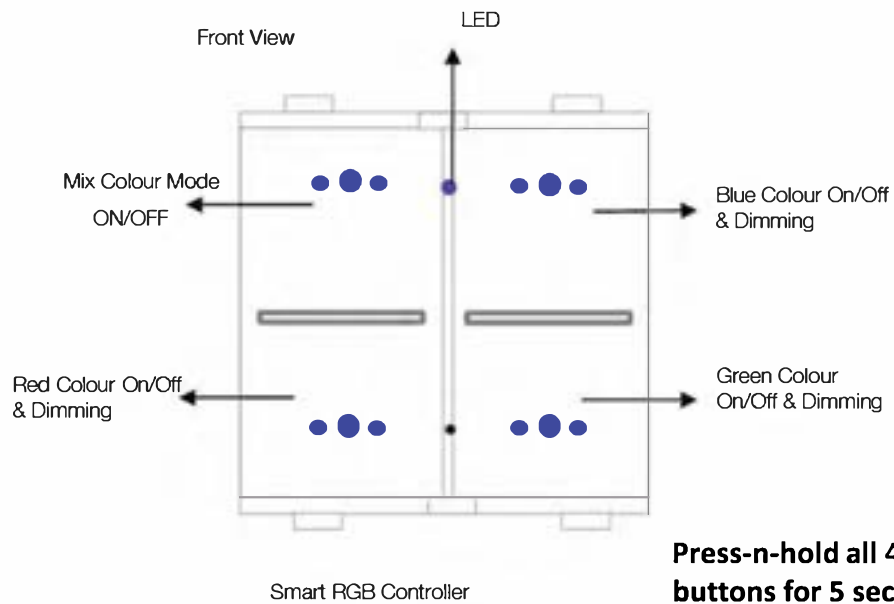
Wiring Diagram



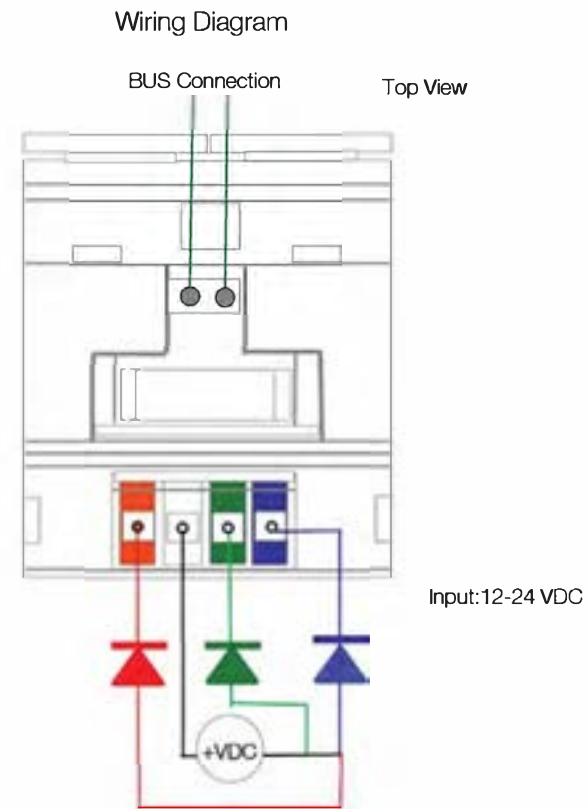


OS-SS-RGB-CTL-2M

Smart Living RGB Controller- DC PWM Based



Press-n-hold all 4 buttons for 5 seconds to do Reset-to-Provisioning





Required Tool Kit



Mostly Required Tool Kit:

- Plier:



- Needle Nose Plier:



- Stripper:



- Multimeter:



- Tester:



- Tube Level:



- Insulation Tape:



- All Types
Screwdriver Set:





Products Installation



Installation:

Switches & Controllers installation with Plates

- Please take Electrical Blank Plate (Inner Plate) as per the Module requirement



- Please Push & Lock the Switch on that plate

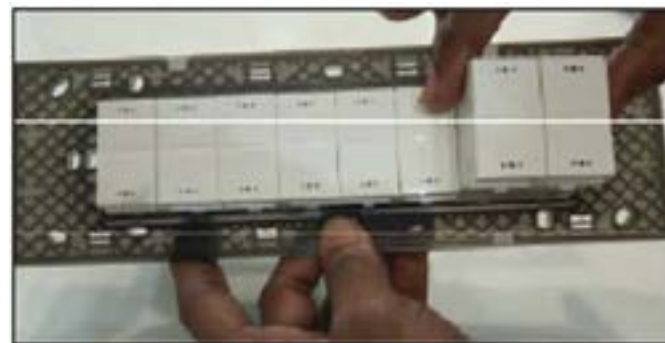




Installation:

Switches & Controllers installation with Plates

- Please get it install one by one as per the Module Requirement





Installation:

Switches & Controllers installation with Plates

- After installing Switches, it will be ready for the Bus & Electrical Connection.



Front View



Back View

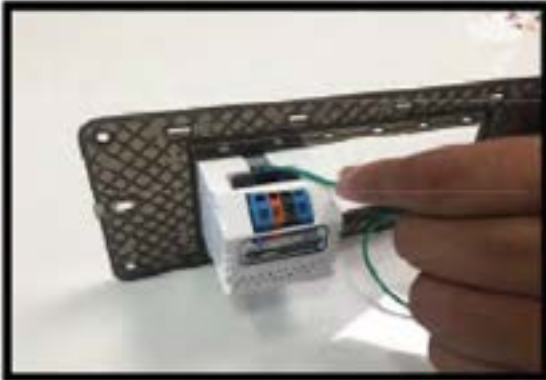


BUS & Electricals Wiring & Connections



Installation: BUS Wire

- Please take the screw driver and proper wire (single pair)



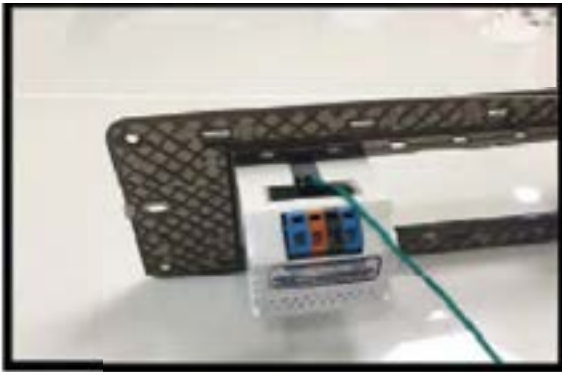
- Please Push inside that nob of connector then upper side hole will be open





Installation: BUS Wire

- Please put SL-BUS wire inside the connector hole & remove screw driver



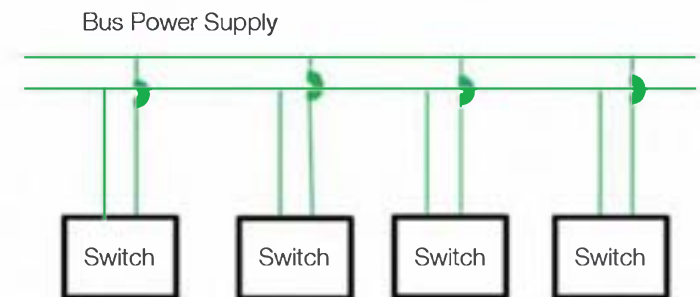
- Please make it sure by pulling up, its inserted properly or not





Installation: BUS Wire

- Please get connected SL-BUS like this as below Picture.



Circuit Diagram



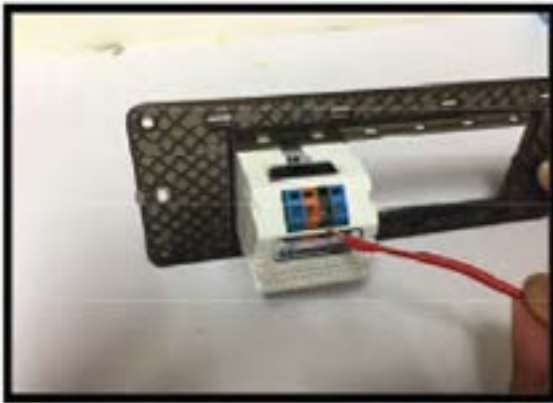
Installation: BUS Wire

- Get it done one by one as per the number of Switches at site
- Make it sure about the BUS connectivity & wire Continuity
- There is no need to follow of Polarity
- Keep in mind we cant put more than 32 Switches on single BPS.
- Maintain the Colour Code of Wired-BUS while installing the Switches.
- After connecting to the Bus power supply , please ensure that the LED indicator on BPS is on

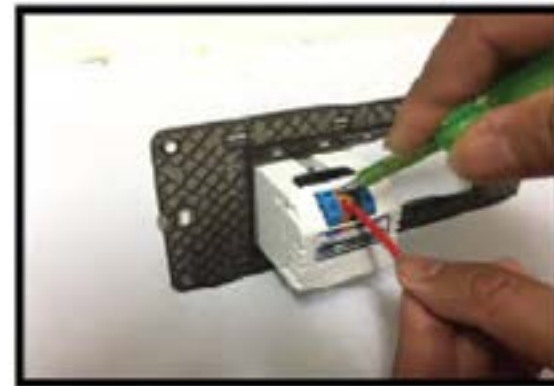


Installation: BUS Wire

- Please take 1.5 gauge red colour wire for phase supply like this as below picture



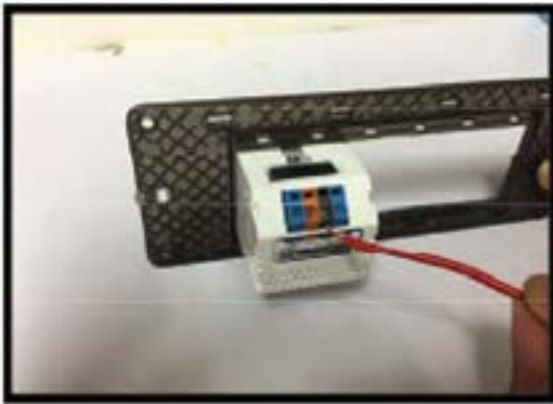
- Please put small screw driver in upper hole of electrical connector, then down wire connector will be open
- Please put electrical wire in down hole of connector & remove the screw driver



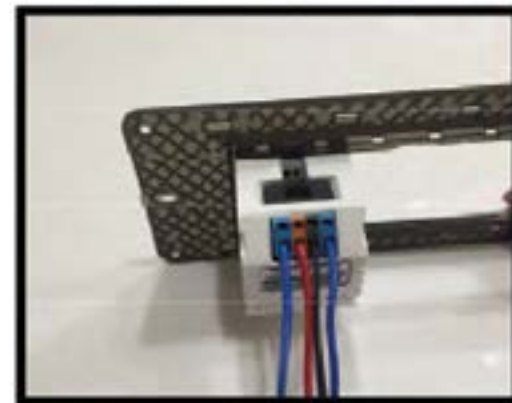


Installation: BUS Wire

- Please get connected phase supply like this as below picture



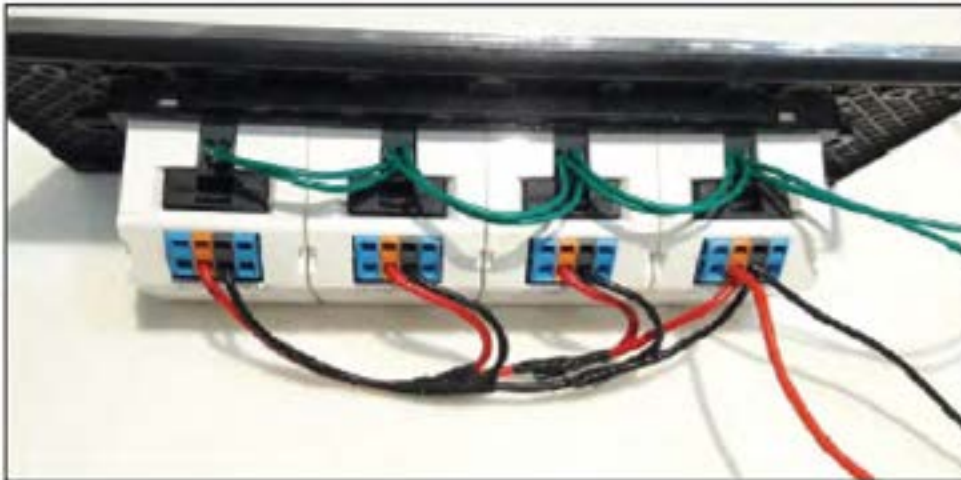
- Please put all wire like as per previous slide.
Put electrical wire as per colour code:
Orange Connector: Phase
Black Connector: Neutral
Blue Connector: Load



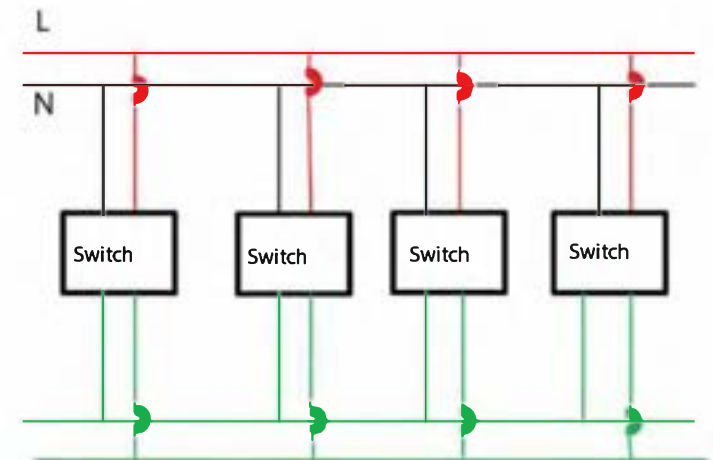


Installation: Electrical Wires

- Please get connected electrical wiring like this as below picture



Circuit Diagram



Bus Power Supply



Wi-Fi configuration



Programming & configuration: Configure New Devices in Wi-Fi

Please connect your phone with local Wi-Fi & then open your smart living configurator application & click on new device



Product must be in provisioning mode before clicking new device button



Programing & configuration: Configure New Devices in Wi-Fi

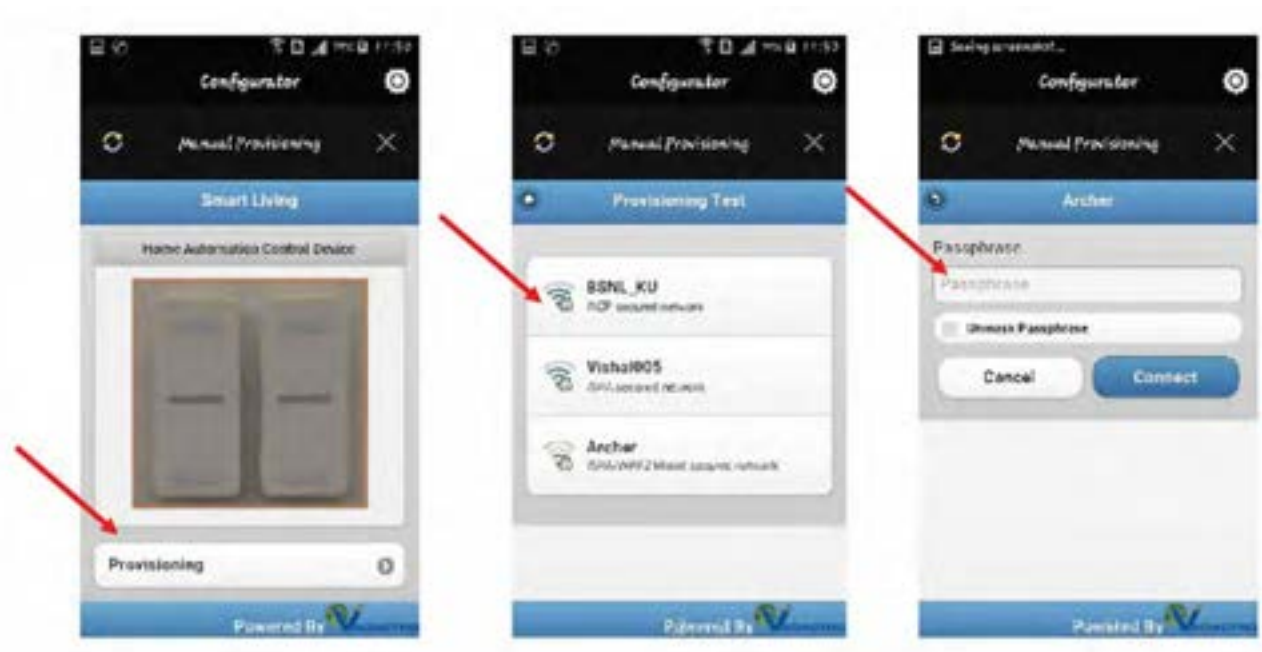
You will get the controller list, please select the controller for manual provisioning.
It will be automatically redirect on provisioning page





Programing & configuration: Configure New Devices in Wi-Fi

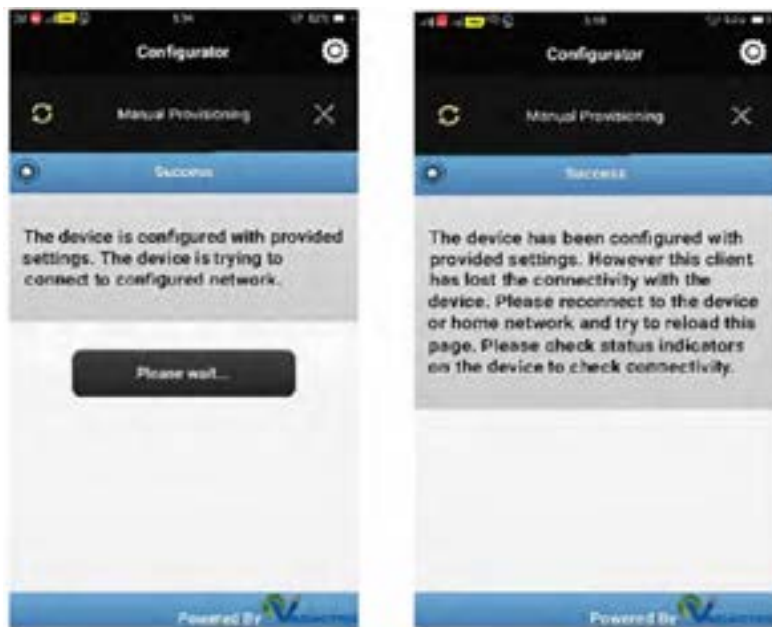
It will show you Provisioning page, just click on 'provisioning' then it will show Wi-Fi availability list, please choose your own Wi-Fi & put the password then click connect





Programing & configuration: Configure New Devices in Wi-Fi

It will give the two success alert on the screen, like below images...



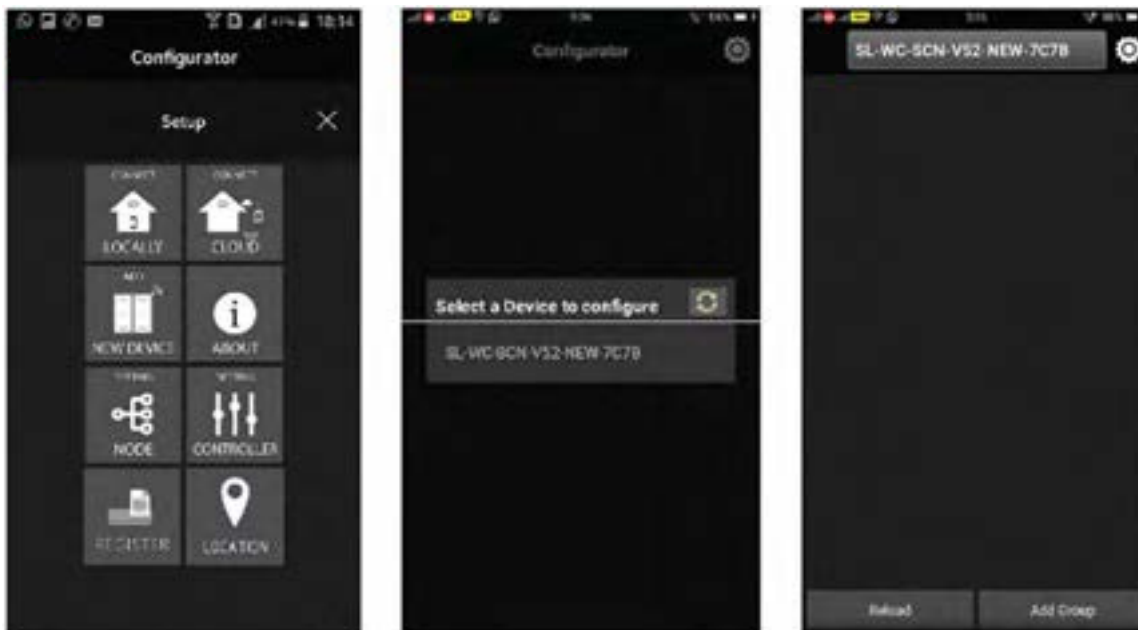


Nodes Addressing Steps



Addressing: Controller Configuration with Configurator

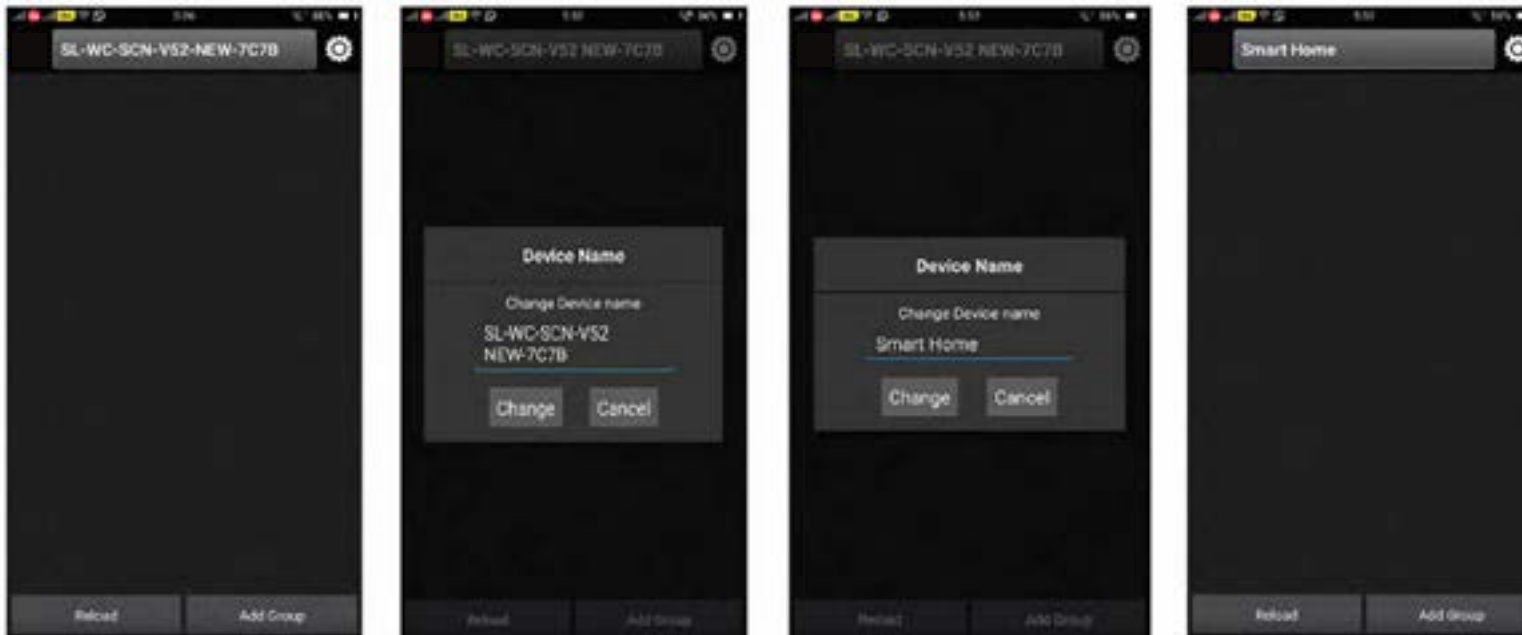
Open Configurator App. & then click on locally, then "Select a device to configure" this page will be opened after that click on that controller name, then your will get main page of configuration of that particular controller





Addressing: Controller Configuration with Configurator

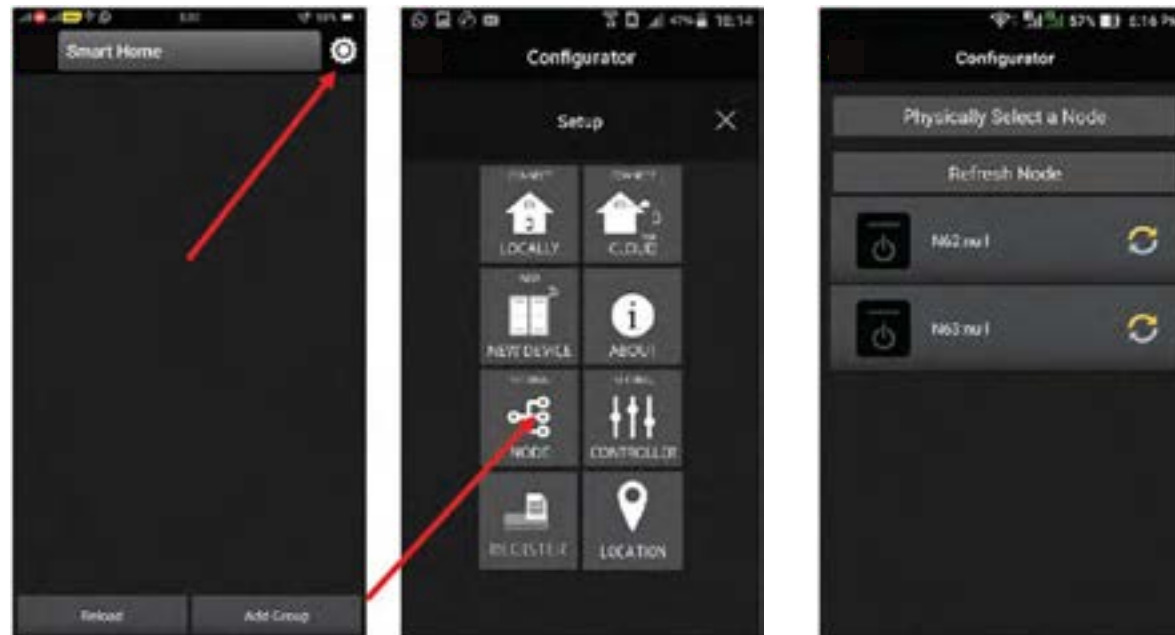
Open Configurator App. & then click on locally, then "Select a device to configure" this page will be opened after that click on that controller name, then your will get main page of configuration of that particular controller





Addressing:

Just click on setting, you will get the setup page, then click on 'NODE'
You will get the Node list





Addressing:

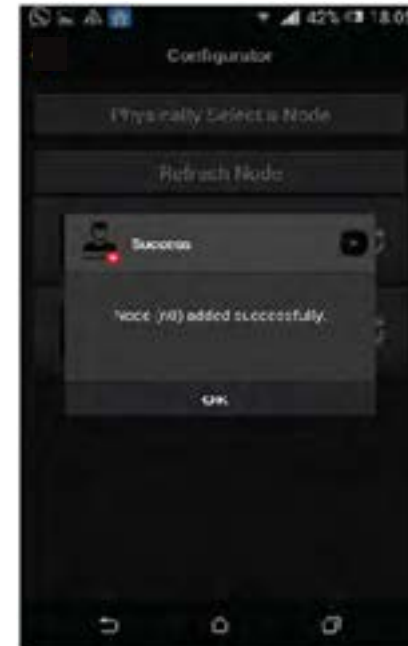
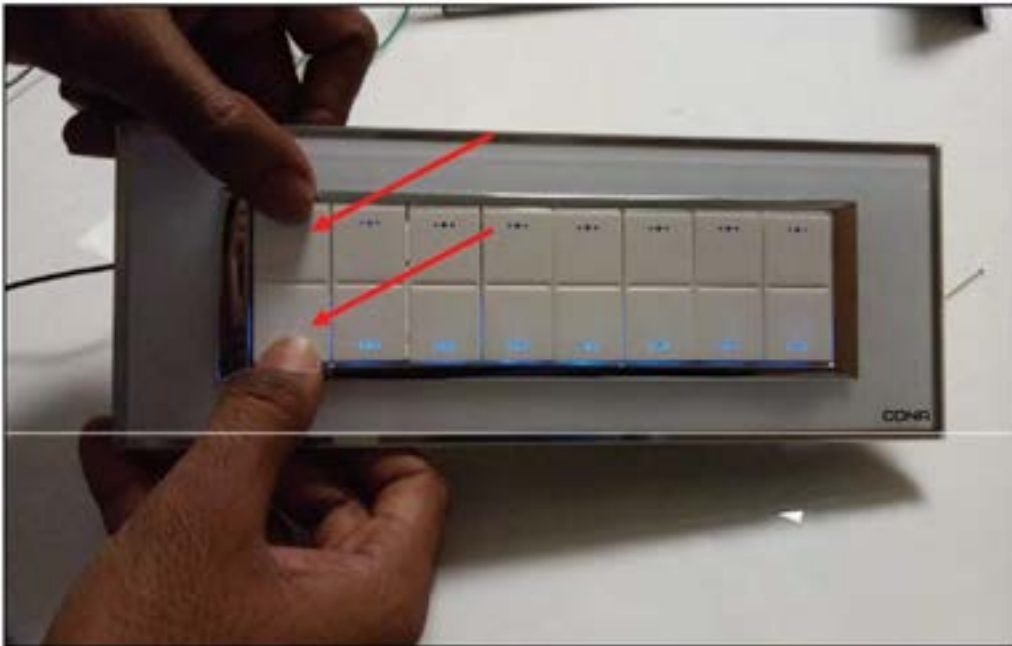
Default Node no. will be N62, N63, so first time you will get Node No. only N62, N63
For the addressing first you have to click on "Physically Select a node" then you have to select the Node no. from physical node list. Like n0





Addressing:

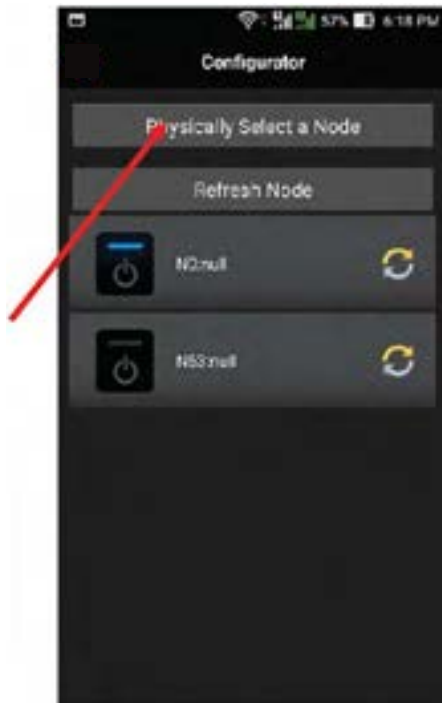
Press up & down button simultaneously, you will get success alert message on display like, "Node (n0) added successfully" Give Address to all switches one by one. Following by above steps





Addressing:

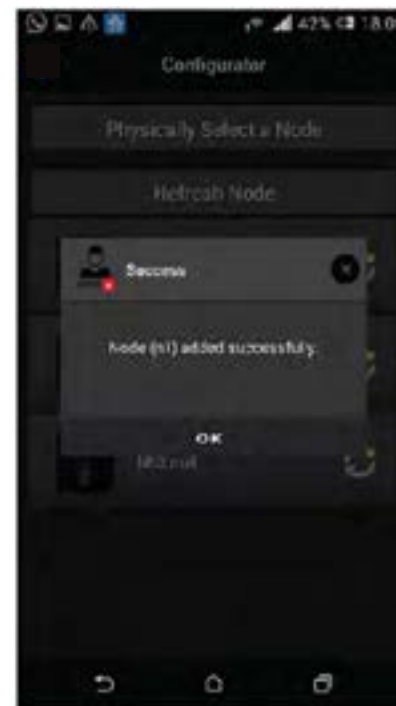
Step 1. Press Physical Select Node



Step 2. Select the node no. from Node list



Step 3. Success Alert Msg. on Display



Step 4. Final node list will be open



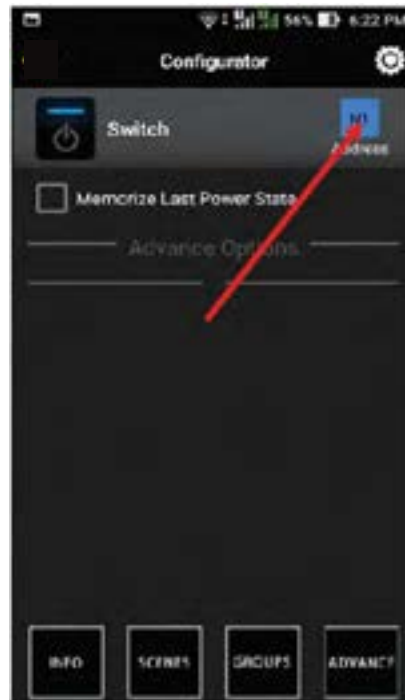


Addressing:

Step 1. Press & hold Node to changing Address



Step 2. Just Click on N1 node



Step 3. Select New node Address N5



Step 4. Final node N5 will be display





Addressing:

Step 5. Just Click on Refresh node



Step 6. Node will be refreshing



Step 7. Showing new node address number like N5





Addressing:

When we connect IR-blaster device to bus then node will be shown like as shown in image. IR blaster device not take physical node selection. We can change its node address as per suitable





Addressing:

How to change IR-blaster node address

Step 1. Press & Holding N9 Node



Step 2. Click on N9 address node



Step 3. Select node as per suitable



Step 4. New node N6 will be shown





Addressing:

How to change IR-blaster node address

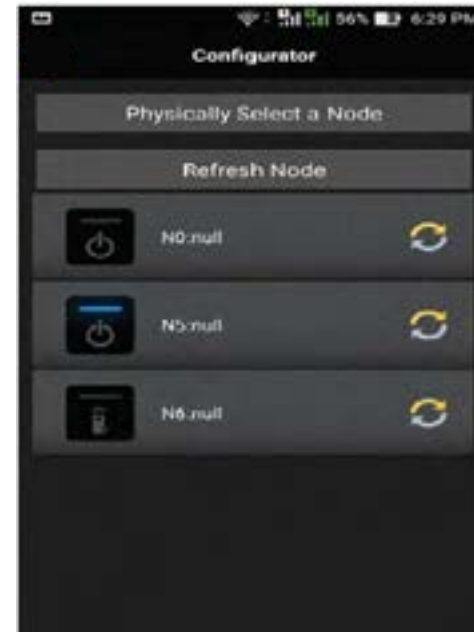
Step 5. Select Refresh Node



Step 6. Node will be refresh



Step 7. Finally shown N6 node to IR Blaster





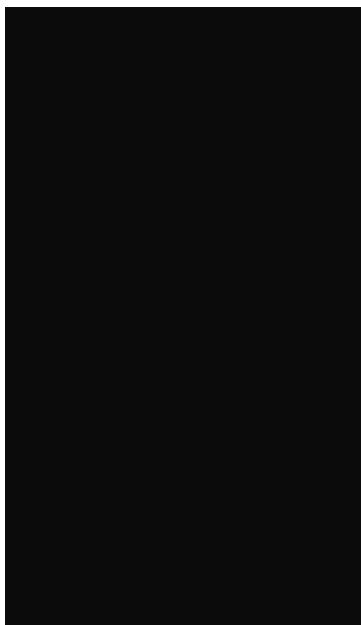
Group creation, Add Scenes & Add Nodes



Programming & configuration: How to Create a Group

Again open your configurator app. Then click on locally, select the device for the configuration. Then main configuration page will be open

Step 1. Open the app



Step 2. Click on Locally



Step 3. Select Controller



Step 4. Main page will be open





Programming & configuration: How to Create a Group

Just click on 'Add Group' name window will be open, then give the name as per the area name like living room, kitchen, dinning, bedroom, etc. & then click on add

Step 1. Click on Add Group



Step 2. Name Window will be open



Step 3. Give the name as your room or area



Step 4. Main page with group





Programming & configuration: How to Create a Group

Step 1. Click on
Add Group



Step 2. Name Window
will be open



Step 3. Give the name
as your room or area



Step 4. Main page
with group





Programming & configuration: How to Create a Group

Step 1. Click on Add Group



Step 2. Name Window will be open



Step 3. Give the name as your room or area



Step 4. Main page with group





Programming & configuration: How to Create a Group

Step 1. Click on
Add Group



Step 2. Name Window
will be open



Step 3. Give the name
as your room or area



Step 4. Main page
with group





Programming & configuration: How to Create a Group

- Add the group as per the site requirement like, Living Room, Kitchen, Dinning, Master Bed, Passage, Etc.
- While doing the configuration, you have to keep all notes whatever you are doing
- Coding In UI for group is g0, g1, g2. But you can note down Like g0-Livingroom, g1 -Kitchen, g2-Dinning
- For the Door Lock tab in UI, you have to add g-15 as access control, g-15 group reserved for Door Latch controller



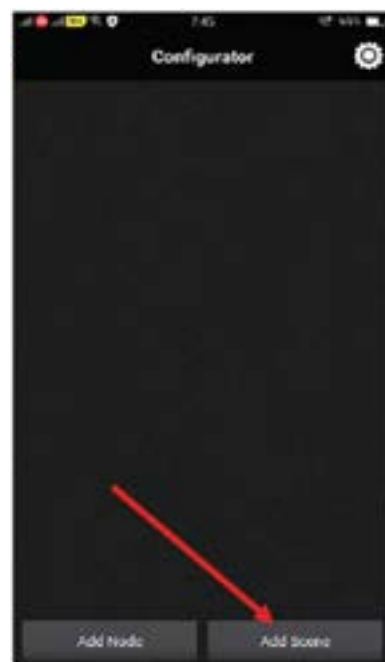
Programming & configuration: How to Create a Scene in Group

Just click on Group 'Living room' then blank page will be open, after that click on 'Add Scene' & give the name of scene, like All on, All off, Relax Mode, Movie Mode. Max 16 scene in single group we can make.

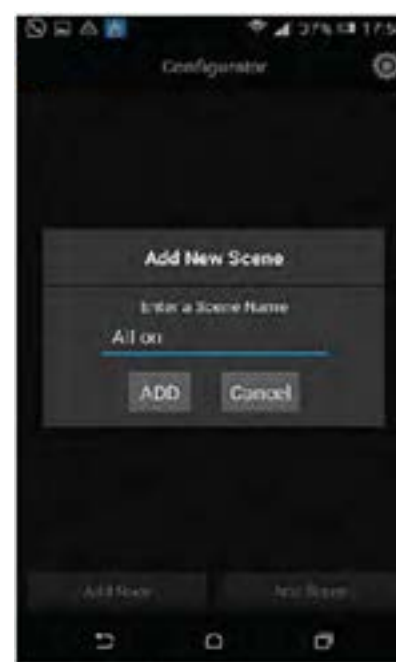
Step 1. Click on Add Group



Step 2. Click on 'Add Scene' option



Step 3. Give the name of Scene as requirement



Step 4. Scene has been added like this





Programming & configuration: How to Create a Scene in Group

Step 1. Click on
Add Group



Step 2. Name window
will be open



Step 3. Give the name
of Scene as requirement



Step 4. Scene has been
added like this





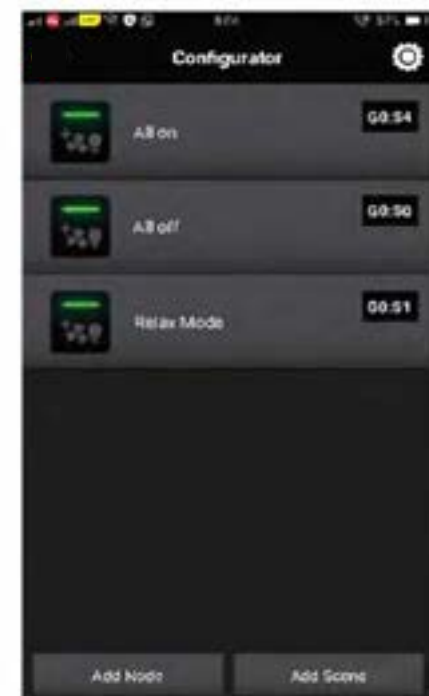
Programming & configuration: How to Create a Scene in Group

Step 1. Click on
Add Group

Step 2. Name window
will be open

Step 3. Give the name
of Scene as requirement

Step 4. Scene has been
added like this

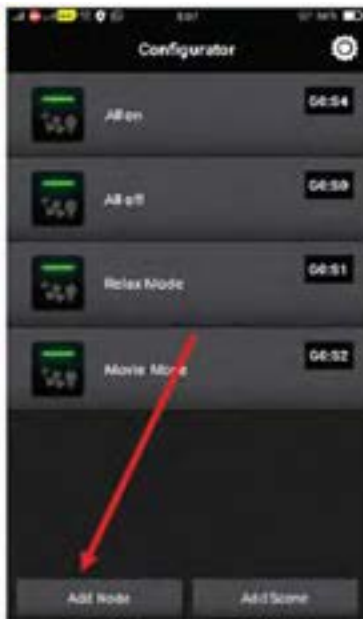




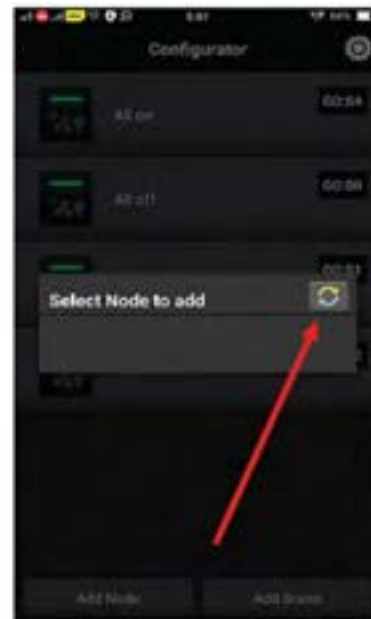
Programming & configuration: How to Add Nodes in Group

Click 'Add Node' then node page will be open, after that click on refresh button as per the step no. 2, then complete node list will be open. Just press & hold the node tab, name window will be opened.

Step 1. Click on Add Group



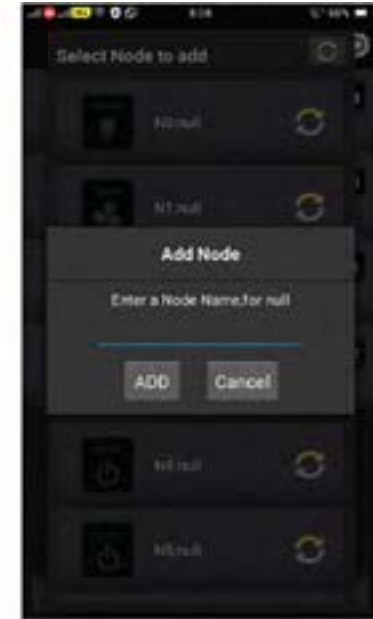
Step 2. Click on Refresh button



Step 3. Press & hold the Node Tab for Add



Step 4. Name window will be open





Programming & configuration: How to Add Nodes in Group

Click give the name as per the Circuit & Click on Add like dimmable light, fan, AC curtain, hanging light, tab will be added as per the step no. 2

Step 5. Give Name as per the requirement



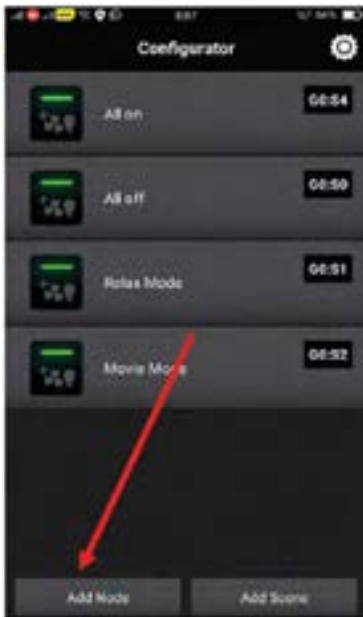
Step 6. Node will be Added like this



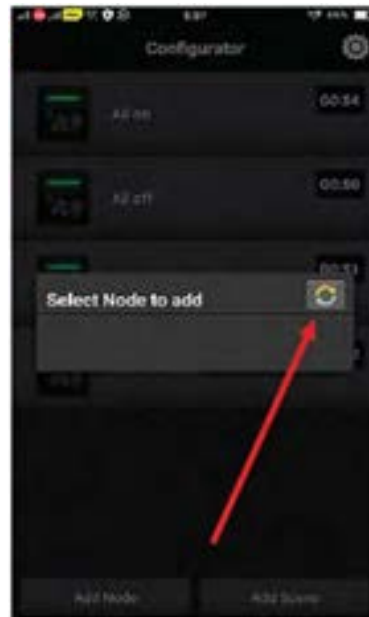


Programming & configuration: How to Add Nodes in Group

Step 1. Click on Add Group



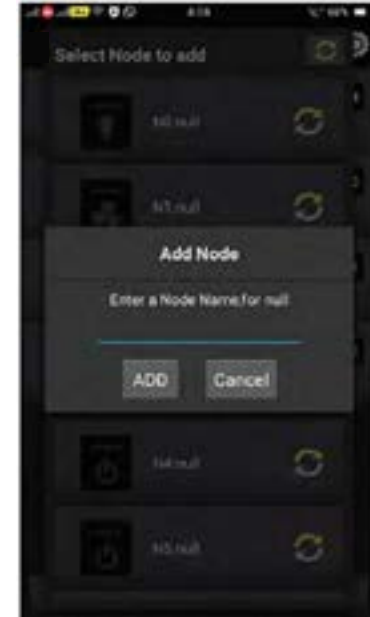
Step 2. Press & hold the Node Tab for Add



Step 3. Name window will be open



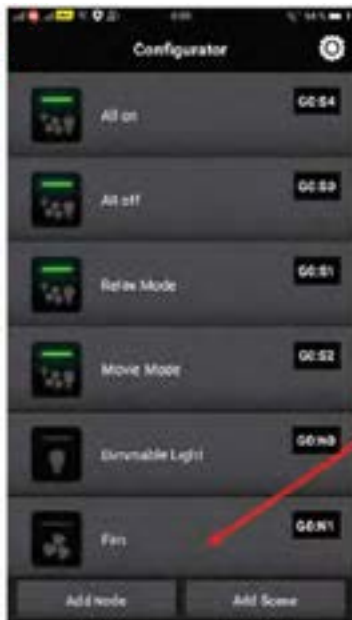
Step 4. Give name as per the requirement





Programming & configuration: How to Add Nodes in Group

Step 5. Node will be added like this





Individual Nodes Programming



Programming & configuration: Node Programming

Click on Setting Option then Setup Page will be opened, just click on Node option

Step 1. Click on Add Scene



Step 2. Press the Node tab for Node list



Step 3. Node list will be opened



Step 4. Check the Node list at the last





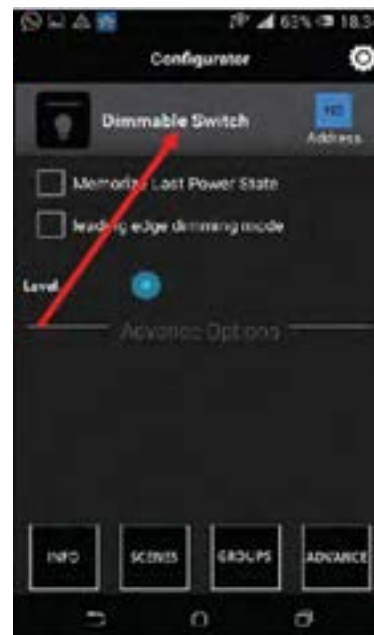
Programming & configuration: Node Programming

Press & hold on the particular tab as per the Step 1... Main configuration page will be opened, then click on Switch Name Tab & Select the device type as switch, fan, dimmable switch & plug.

Step 1. Press & hold the Node Tab for Config.



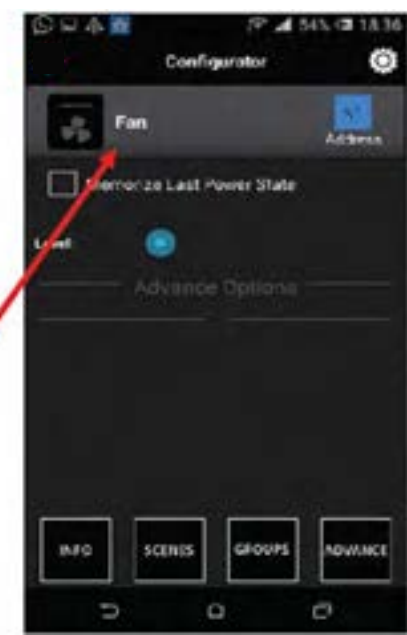
Step 2. Press the Node tab for Change type



Step 3. Change the device as fan or any



Step 4. Device tab has been change like this

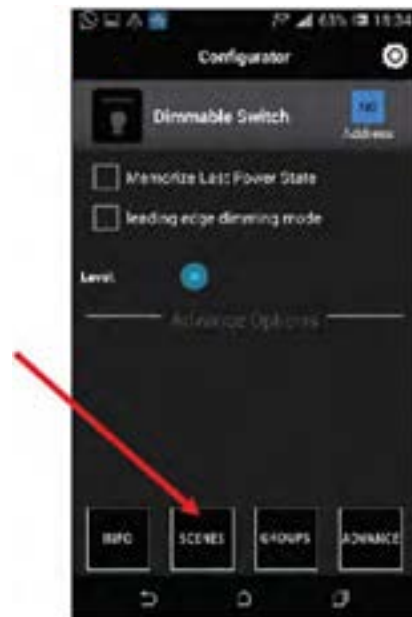




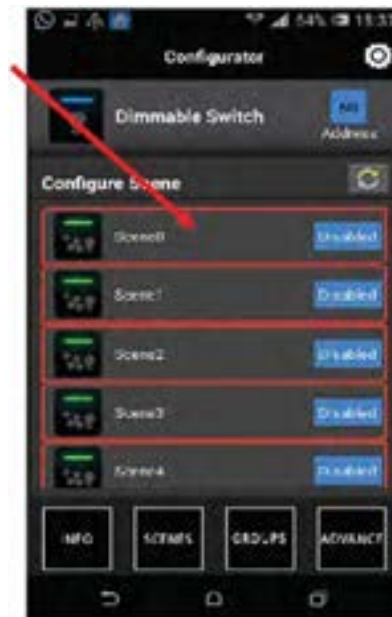
Programming & configuration: Node Programming

Click on 'Scenes' then configuration scenes page will be opened .. Just set the value of that scene & click on add. For example first scene 'All on'-s0

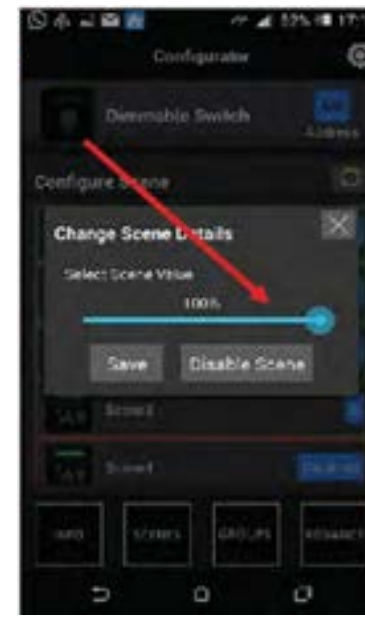
Step 1. Click on Scenes first



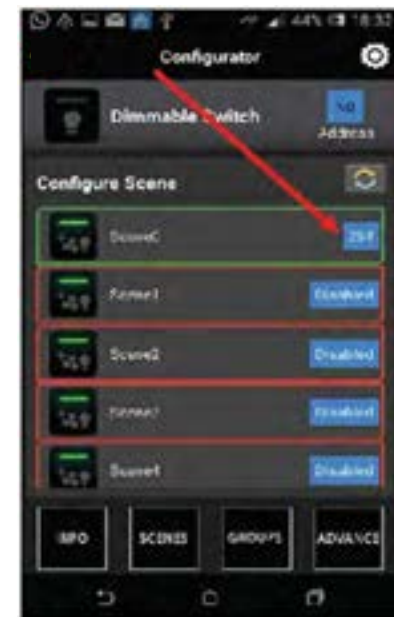
Step 2. Press click on Scene first like 'Scene0'



Step 3. Change the value of that Scene



Step 4. Final value of the Particular Scene





Programming & configuration: Node Programming

Scene -s 1. All off

Step 1. Press Click on Scene first like 'Scene 1'



Step 2. Change the value of that Scene



Step 3. Final value of the particular Scene





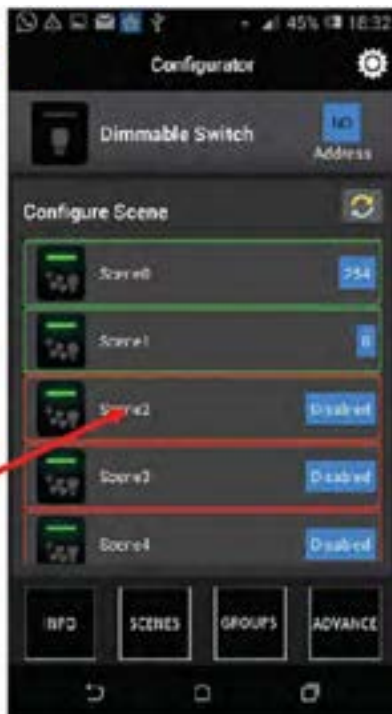
Programming & configuration: Node Programming

Scene -s2. Relax Mode

Step 1. Press Click on Scene first like 'Scene 2'

Step 2. Change the value of that Scene

Step 3. Final value of the particular Scene





Programming & configuration: Node Programming

Scene -s3. Movie Mode

Step 1. Press Click on Scene first like 'Scene 2'



Step 2. Change the value of that Scene



Step 3. Final value of the particular Scene





Programming & configuration: Node Programming

- Change the device type as Dimmable Light, Fan, Switch & plug or requirement & Program the All nodes as per the above steps.
- WSW2CH-TR, WSW2CH-RL, WIRB, WDLC, WCMC, WWLC, these products no will be detect as node in configurator
- Configure the all nodes as per the Scene Or Room Wise, you have to keep all notes with you .. For Example check the next page.
- As per the Requirement of Scene, set the value of that particular scene on particular dimming level.(if dimmable)
- You should know always what is Node numbers & where is located.



Programming & configuration: Node Programming

For Example: As per the below details you have to keep notes, how many living room & what group created in living area, need to keep notes for area name & all nodes as light circuit. Like n0 to n7 is circuit of Living room.

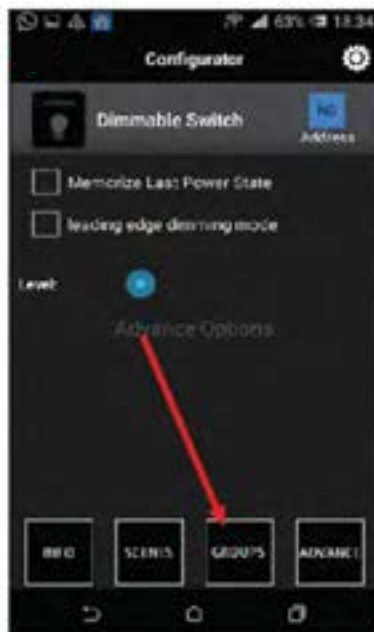
g-0: LivingRoomnode	g-0: LivingRoomgroup
n0-Dimmablelight-1	All On
n1-Fan	All Off
n2-Hanging Light	Relax Mode
n3-W& Lamp	Movie Mode
n4-TV Point	
n5-Curtain	
n6-Dimmablelight-2	
n7-Dimmablelight-3	



Programming & configuration: How to make Group Member

Just press the Group button then group information window will be opened, just check that group option for membership, for example: if NO (Node-0) is living room circuit so just give the membership of g0 (g0-Livingroom).

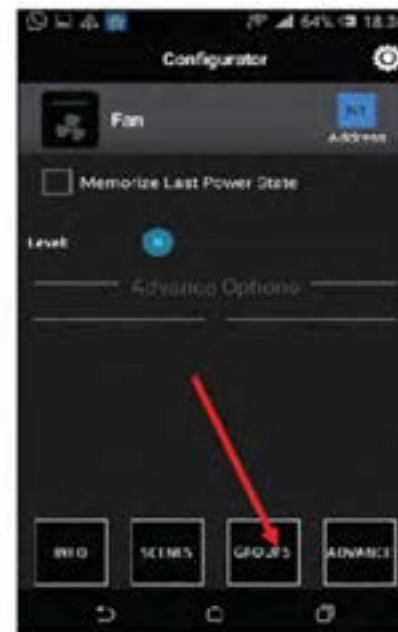
Step 1. Just press the Group button



Step 2. Give the Membership of Group



Step 3. Just press the Group button



Step 4. Give the Membership of Group

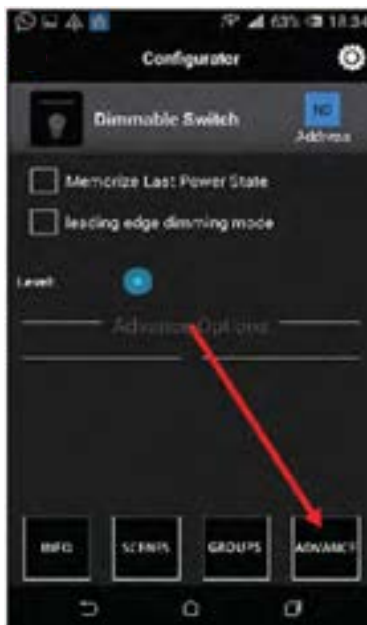




Programming & configuration: Advance Page Configuration

Press the 'Advance' button configuration page will be open, you can set the intensity of front indication led of product, you can set the wired, wireless & auto mode ..
Once you press the button of mode so wait for four to five second then do reboot..

Step 1. Just press the Advance button



Step 2. Give the Membership of Group



Step 3. Change the mode of setting of protocol



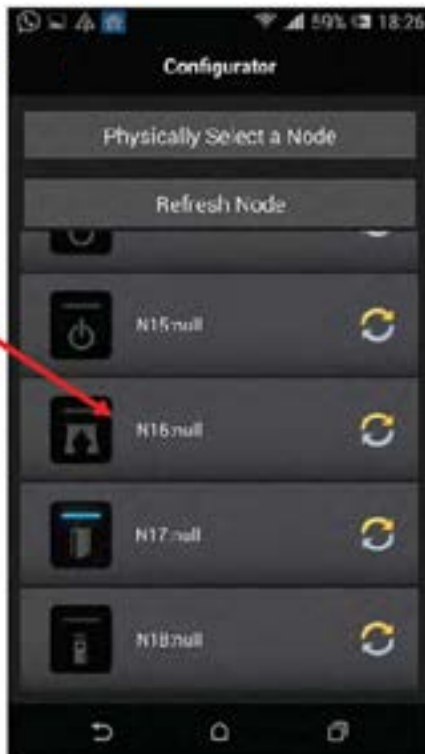
Step 4. Reboot after four second





Programming & configuration: CMC Configuration

Press & hold curtain node tab, then configuration page will be open, need to set 'Max Swing time' as per the curtain setting on site & follow the same steps for scenes creation & group membership.





Programming & configuration: DLC Configuration

Press & hold Latch node tab, then configuration page will be open, you can change the setting as per the requirement & follow the same steps for scenes creation & group membership.





Programming & configuration: IRB Configuration

Press & hold IRB Node Tab, then config. page will be open, just press that 'construct remote' tab then blank remote will be opened as per the image no. 3 & just press the key of button whatever you wanted to program select the background image then front symbol & set the centre & all as per the requirement then click on save.

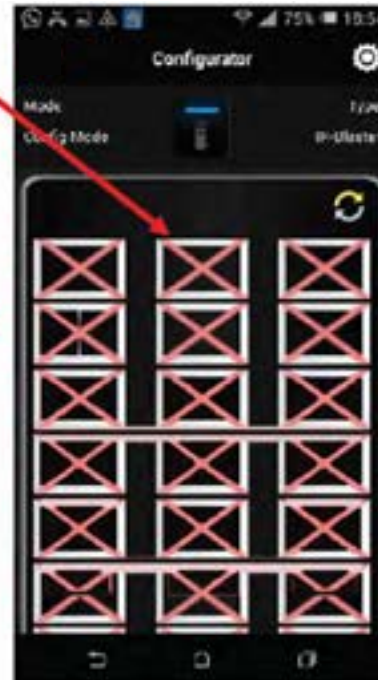
Step 1.



Step 2.



Step 3.

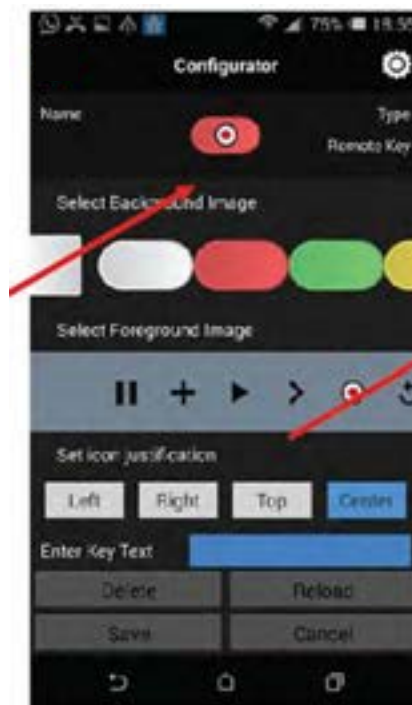


Step 4.



Programming & configuration: IRB Configuration

Step 5. Select the button as per the requirement



Step 6. Button will be added like this just press & hold



Step 7. Just press the Add code Tab



Step 8. All Blank code list will be opened





Programming & configuration: IRB Configuration

Step 9. Press & hold that key for Config IR Code



Step 10. Press change name button for change the name



Step 11 . Give the name of IR Code or as per button name on remote



Step 12. Name has been changed like this





Programming & configuration: IRB Configuration

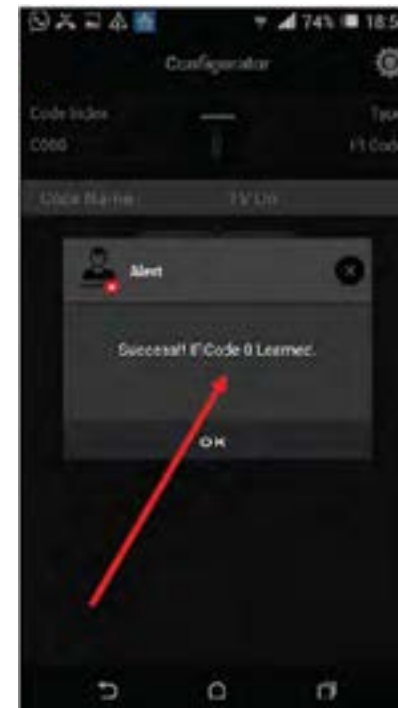
Step 13. Press the Learn tab to learn the code



Step 14. Once below msg will display, show your remote to IR Blaster & press the key



Step 15. Code Learned success msg will display



Step 16. You can test the key, its working or not.. by pressing test button





Programming & configuration: IRB Configuration

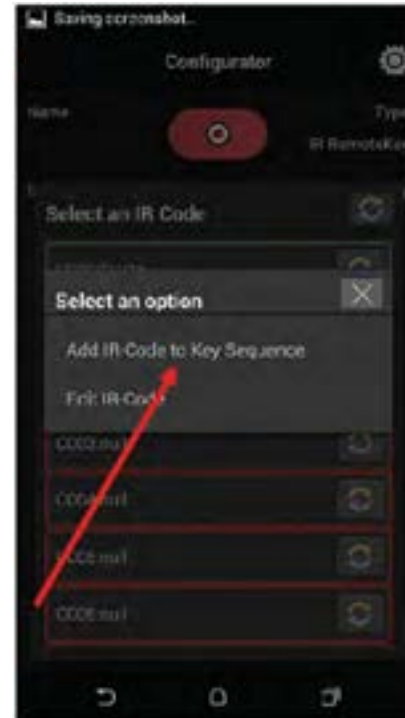
Step 17. Press after test just press save button



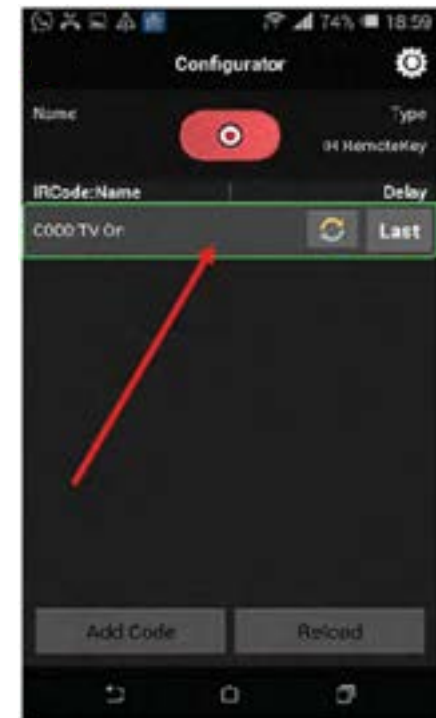
Step 18. Once saved IR list will be open, just find the name like 'TV on' & do press & hold



Step 19. Code you will get the add & edit option just press 'Add IR to key'.



Step 20. Key has been added like this to that particular button





Programming & configuration: IRB Configuration

Assigning of Multiple IRcode on single button

Step 1. Just press
movie on button



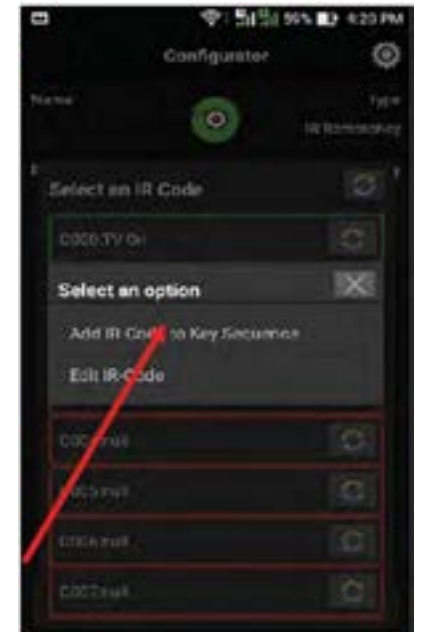
Step 2. Just press
add code button



Step 3. Press & hold
TV on IR code



Step 4. Press on IR-code
to key sequence





Programming & configuration: IRB Configuration

Assigning of Multiple IRcode on single button

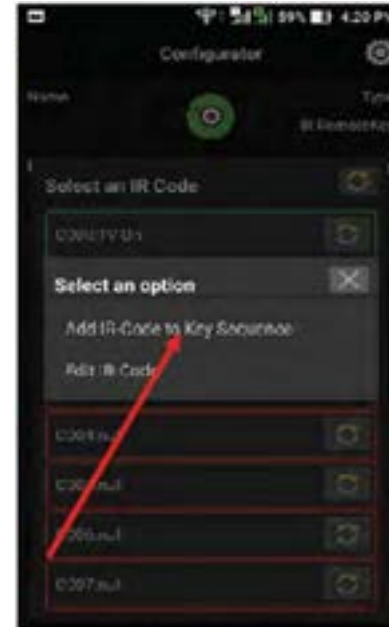
Step 5. Again press
add code button



Step 6. Press and hold
Proj on IR Code



Step 7. Select add
IR Code to key sequence



Step 8. Below page will
be open





Programming & configuration: IRB Configuration

Assigning of Multiple IRcode on single button

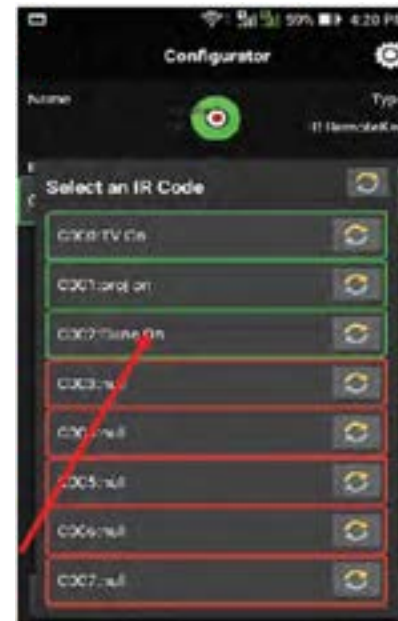
Step 9. Select seconds for time delay setting



Step 10. Adjustment of 1 second shown below



Step 11 . Press and hold done on IR Code



Step 12. Select add IR Code to key sequence





Programming & configuration: IRB Configuration

Assigning of Multiple IRcode on single button

Step 13. Select seconds for time delay setting



Step 14. Then 1 seconds will be shown



Step 15. Press and hold N20 Node



Step 16. Select Groups





Programming & configuration: IRB Configuration

Assign multiple IRcode in Scene

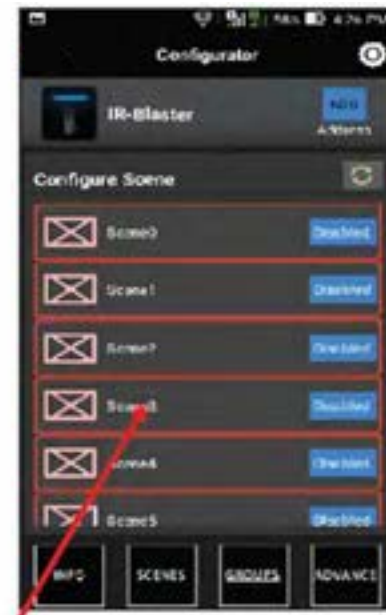
Step 13. Select group
g0 (Area)



Step 14. Select
SCENES button



Step 15. Select SCENE
number



Step 16. Select movie
on key to assign scene





Programming & configuration: IRB Configuration

Assign multiple IRcode in Scene

Step 17. Refresh Scene



Step 18. After refresh scene, scene will be key shown



In GO:S3 this scene will be operated. Using same process we can do IR and Light combination Scene. After Scene making restart our system and check, its working.



Programming & configuration: IRB Configuration

Add one by one key as per the no. of key requirement of On UI remote from your Normal remote, by following above steps... For learning Configuration ..

If you are promoting or installing IR Blaster on site & your not getting line of side for IR Devices, so you can use IR emitter kit for configuration.





Scene Controller Programming



Programming & configuration: Scene Controllers Configuration

Press setting button, again set up page will be open, just go into the controllers, after that controller list will be open. Just press and hold that controller, you will get the 'Button & Switches' tab.

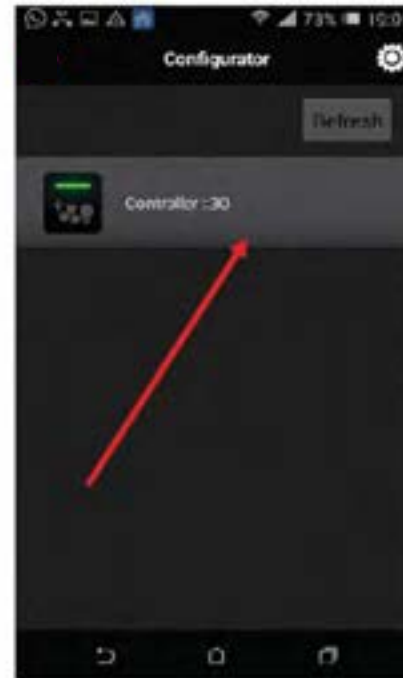
Step 1. Just Pressing Setting tab



Step 2. Setup Page will be opened



Step 1. Change Press & hold the Controller Tab



Step 2. Button & Switches tab will be opened





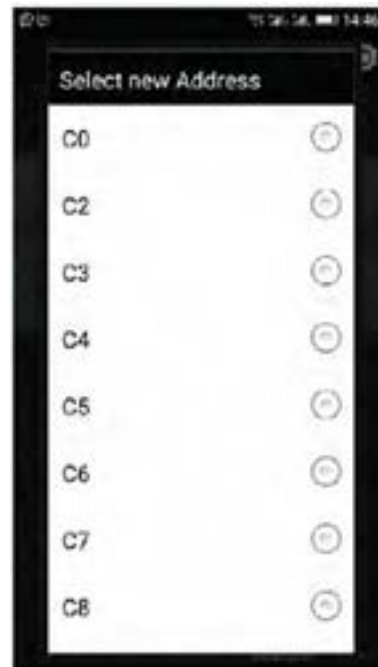
Programming & configuration: Scene Controllers Configuration

Select C30 address for changing controller address, select new address page will be open, just click & select the address as per the requirement, and address will change

Step 3. Just click on C30 for Re-addressing



Step 4. Address Page will be opened



Step 5. Select the address from address list



Step 6. Button & Switches tab will be opened





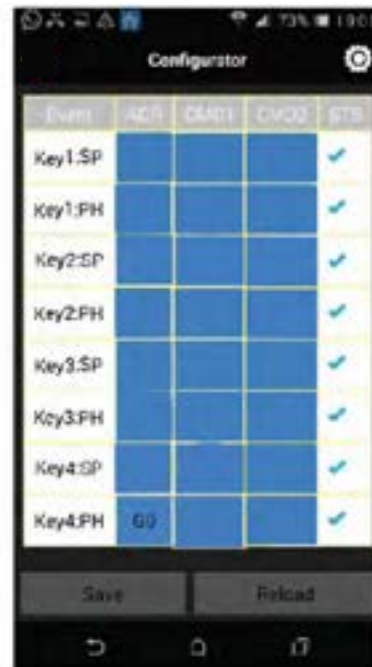
Programming & configuration: Scene Controllers Configuration

Press & hold the button & switches tab, main key config page will be open, just click & select the group as per the area you want on wall scene controller keys.

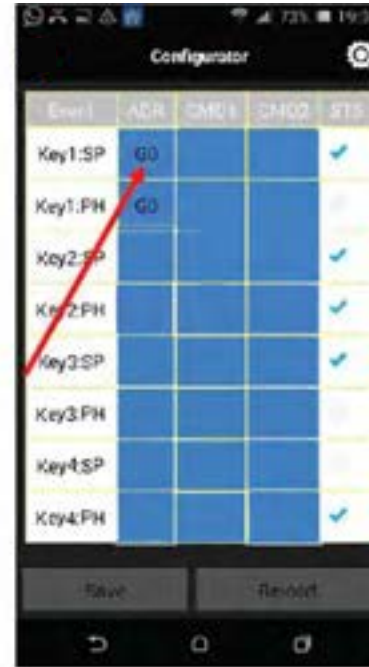
Step 7. Just press buttons switches key



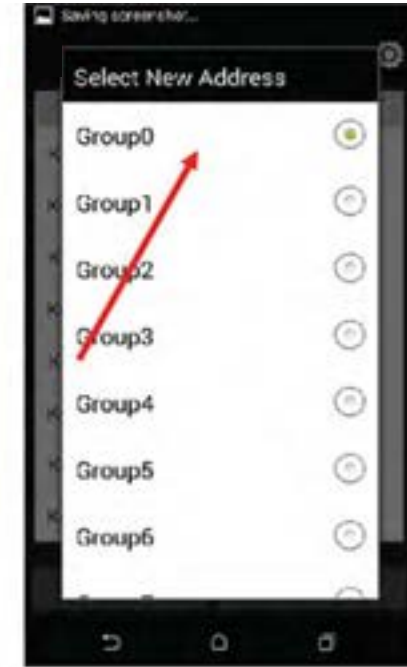
Step 8. Key set up page will be opened



Step 9. Just click on GO for selecting group



Step 6. Select the group from group list



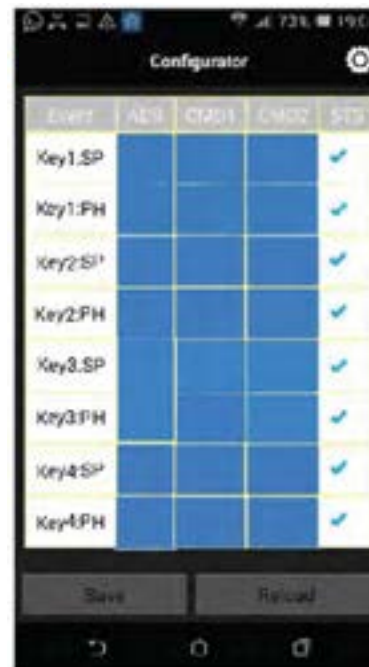


Programming & configuration: Scene Controllers Configuration

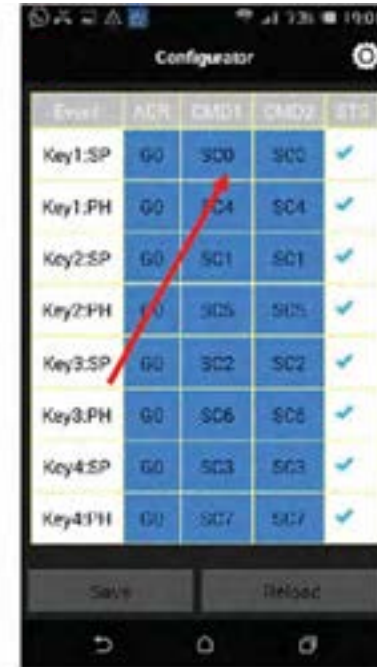
On the main key config page, just click & select the scene as per the scenes you want on wall scene controller keys.

Note: If more than one Scene Controllers on the single bus, just click on that particular tab of controller & see which one SCN is flashing. Once we click on that tab. SCN will starting to flash. So you can locate the SCN for configuration.

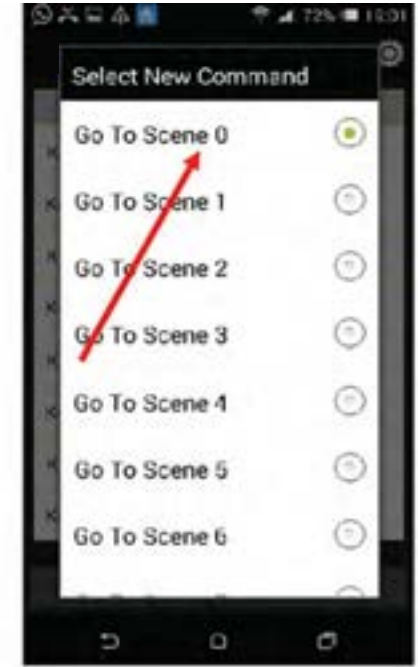
Step 11. Key set up page will be opened



Step 12. Just click on SCN for selecting scene



Step 13. Select the Scene from group list



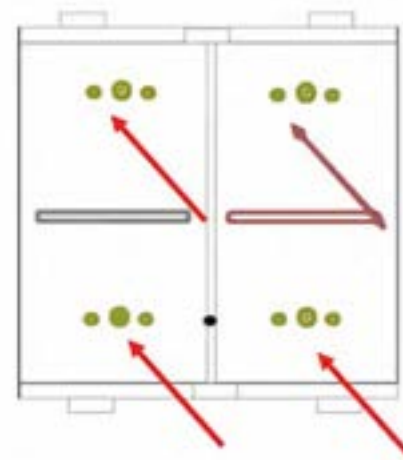


Programming & configuration: Scene Controllers Configuration

Note: If more than one Scene controllers on the single bus, just click on that particular tab of controller & see which SCN is flashing. Once we click on that tab. SCN will be starting to flash. So you can locate the SCN for configuration.



Click on
controller tab



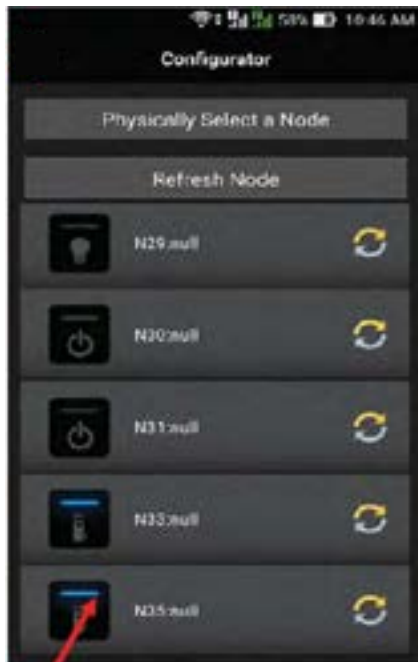
This four LED
will start to flash
automatically

Smart 16 Scene Controller



How to make IR command scene

Step 1. Just press & hold IR Blaster Node



Step 2. Just Press SCENE function



Step 3. Just press Scene4



Step 4. Assign Scene operation





Assign IR Command Scene in Scene Controller Unit

Step 1. Just press & hold button & switches key



Step 2. Key Setup page will be opened & select GS address

Configurator

Event	ADR	CMD1	CMD2	ETS
Key1:SP	G5	SC3	SC1	<input checked="" type="checkbox"/>
Key1:PH	N21	SC14	SC15	<input checked="" type="checkbox"/>
Key2:SP	G5	SC1	SC1	<input checked="" type="checkbox"/>
Key2:PH	N21	SC1	SC1	<input checked="" type="checkbox"/>
Key3:SP	G0	SC2	SC2	<input checked="" type="checkbox"/>
Key3:PH	G0	SC6	SC0	<input checked="" type="checkbox"/>
Key4:SP	G0	SC3	SC3	<input checked="" type="checkbox"/>
Key4:PH	G0	SC7	SC7	<input checked="" type="checkbox"/>

Save Reload

Step 3. Address page will be open



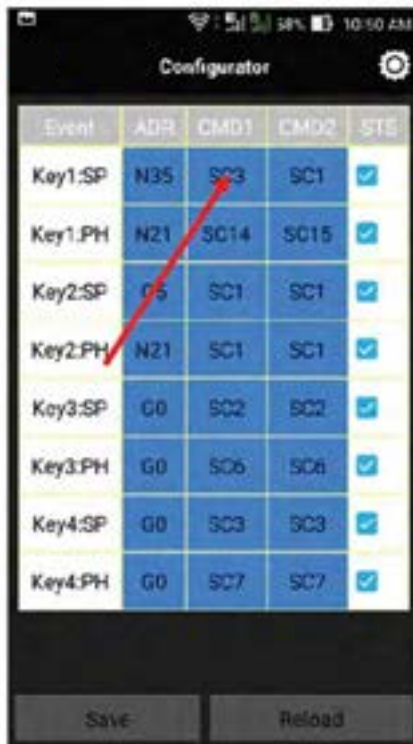
Step 4. Select Node 35 which is IR-Blaster node





Assign IR Command Scene in Scene Controller Unit

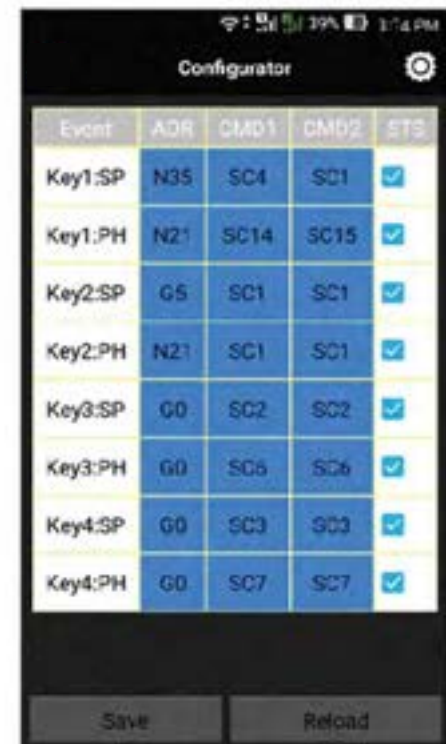
Step 5. Select CMD1 to assign Scene



Step 6. Select new command page will open. Select Scene 4



Step 7. New command SC4 shown





Technical Support Numbers

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it's an  OSUM
feeling

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