TUTORIAL

HOW TO USE THE NODON OCTAN REMOTE WITH THE VERA EDGE

Any question, please contact support@id-rf.net

Imagine you are sitting comfortably on your sofa and want to turn off the light, adjust a comfortable temperature, put music in background, close your shutters ... Here you have a very simple solution: **Our NodOn Octan Remote.**

With it, you can control all your equipments from its 4 buttons. It is no more necessary to pull out your smartphone, unlock it, find the right app, etc... to just toggle a light!

You will find below a tutorial to use the **NodOn Octan Remote** with the **VeraEdge** gateway.

IMPORTANT NOTE:
The NodOn Octan Remote is not yet fully integrated by Vera's team. Some features are then depreciated or need some advanced technical knowledge to be implemented.

1- OVERVIEW OF THE NODON OCTAN REMOTE

The NodOn Octan Remote has 4 buttons, with 4 possible actions on each button: *Single Press, Double Press, Long Press and Release from Long Press*
You can use the NodOn Octan Remote in 2 different modes:

Standalone Mode: You control your associated devices directly, without involving a Home Automation gateway.
Two profiles are available: Mono (you control a device from 1 button) and Duo (you control a device from 2 buttons).

Gateway Mode: You control the devices included in your Z-Wave network with your **NodOn Octan Remote**, through your Home Automation gateway, using scenes or eventually direct associations.

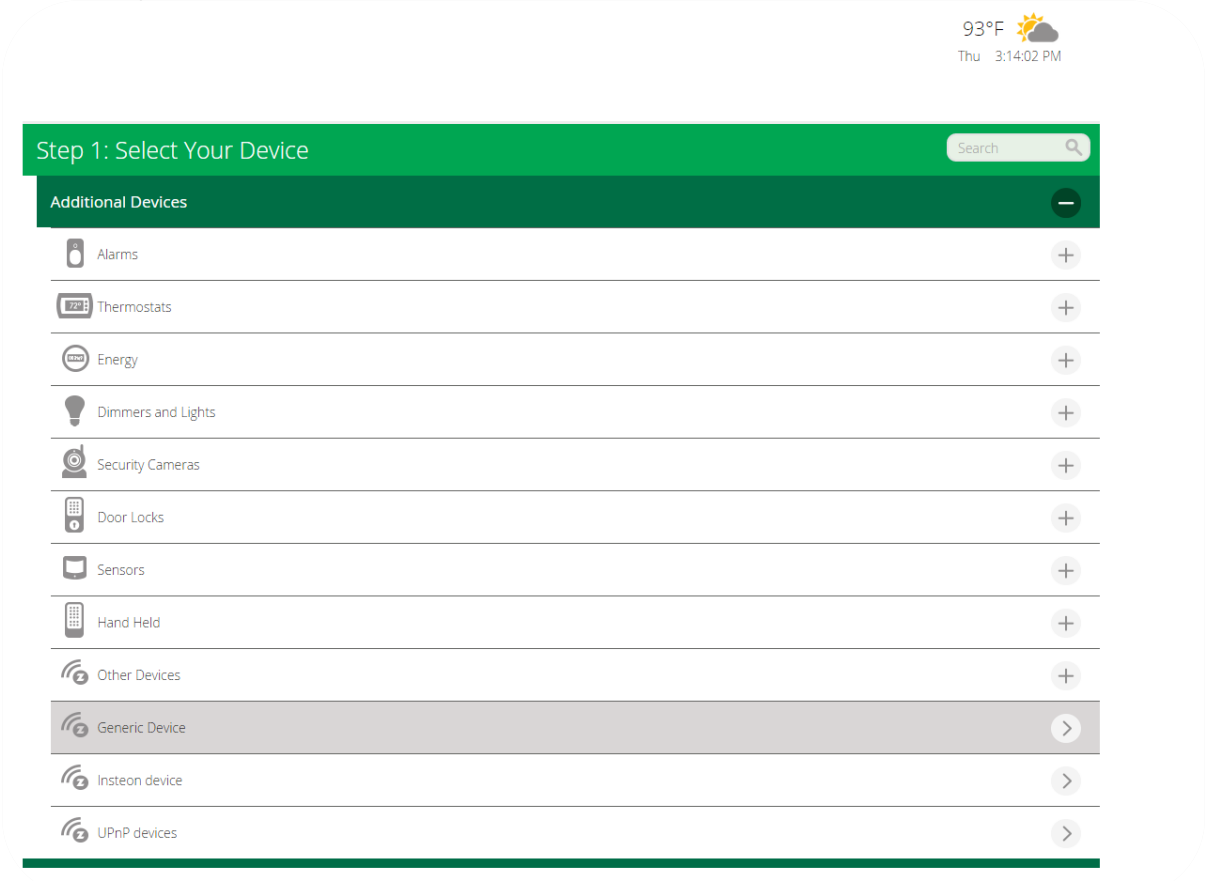
Using the advanced "Z-Wave Plus" technology, this remote can therefore easily be used in different rooms of your home thanks to its optimized communication range. With its embedded magnet, you can place your remote control on any suitable surface (refrigerator, central unit of a computer etc.) or on a wall, using its magnetic mounting support.

Here are the technical characteristics of this remote control:

- Power: CR2032
- Battery Life: 1.5 to 2 years
- 4 buttons
- Wall support, mounted by 3M sticker (included) or screws (not included)
- Built-in magnet for mounting on metal surface
- Operating temperature 0 °C to 40 °C / Altitude: 2000m
- Z-Wave® Radio protocol: 868.4MHz - 500 Series – Z-Wave Plus® certified
- Range: 40m indoor / outdoor 80m
- Dimension: 80 * 80 * 15mm
- Warranty: 2 years

2- INCLUSION OF THE REMOTE INTO THE VERAEDGE

Connect to your VeraEdge web interface and select "Devices" then "Add Device", then in the list pick "Generic Device".



Before Inclusion, it is advisable to make an Exclusion to ensure that the remote control is not included in another Z-Wave network. To achieve this Exclusion, Please refer to VeraEdge interface and Octan Remote User Guide.

Once the VeraEdge ask you to perform Inclusion on your Octan Remote, please follow below procedure

Simultaneously press the buttons • and + of the remote control for 1 second.

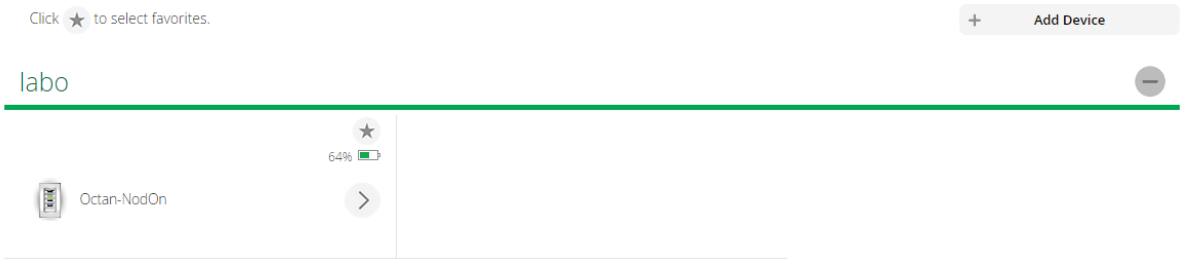
The LED glows in pink to confirm the selection. Then press the button •

The LED blinks in pink to confirm the selection, then in green to confirm the Inclusion process (after around 20sec)

For details about the Learning mode (Inclusion / Exclusion) of the Octan Remote, please refer to its User Guide.

THE INCLUSION PROCESS MUST BE DONE CLOSE TO THE VERAEDGE GATEWAY

Your NodOn Octan Remote is now included in the Z-Wave network of your VeraEdge, and is displayed on your interface.



3- SET-UP THE OCTAN REMOTE

Important:
To enjoy fully the Octan Remote, we advise you to use "Scene" instead of Direct Associations. VeraEdge currently support 2 types of Scene: Central Scene and Scene Activation.
Central Scene mode is the default mode of the Octan Remote
If you want to pass to Scene Activation mode, you need to modify Configuration Parameter #3

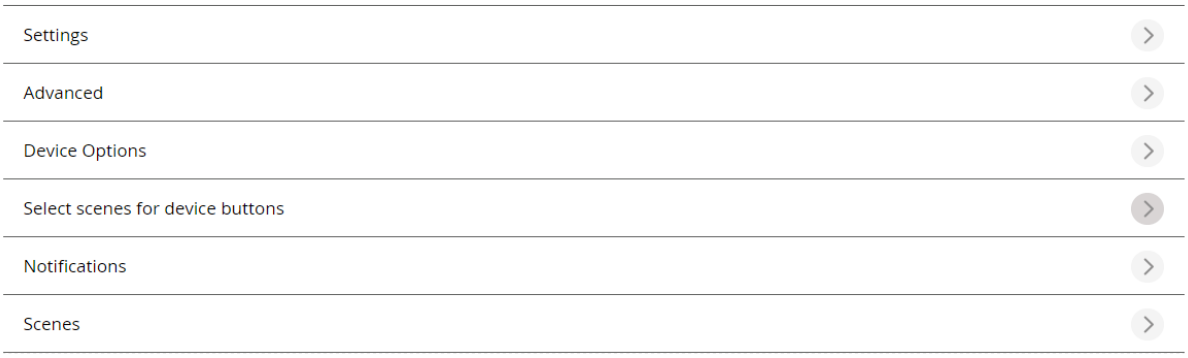
A. Central Scene Mode (Default Mode)

In this mode, the VeraEdge can currently understand 4 scenes from the Octan Remote, 1 for a Single Press on each button. The VeraEdge currently ignores double Press, Long Press and Release.

There are 2 ways to set up scene in this mode

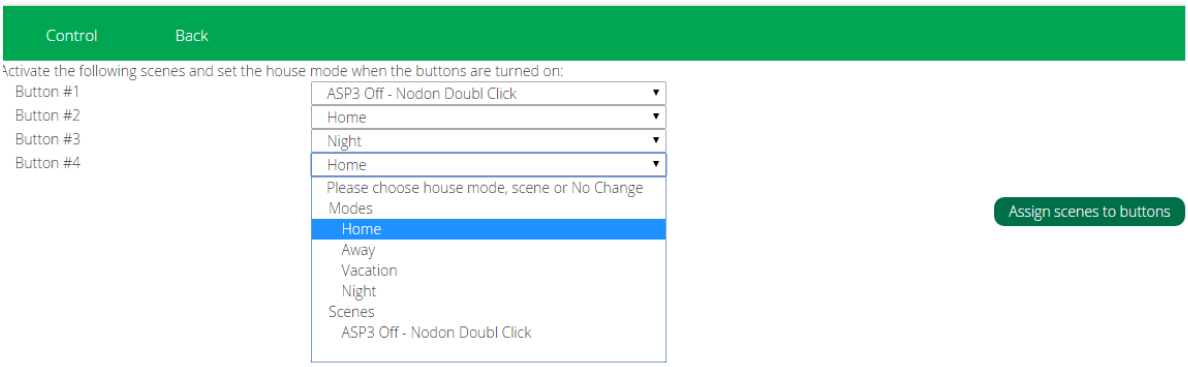
- You already have scene and you want to trig them with the Octan Remote
- You want to trig something else than a scene

Go to "Devices" menu and choose the Octan Remote, and then click on "Select scenes for device buttons" in the menu.



The interface will ask you how many buttons you have, please enter "4".

Once performed, you will have 4 lists of choices where you can assign one action for each button (It can be scene trigger or change the mode of the VeraEdge, such as from "Home" to "Away").

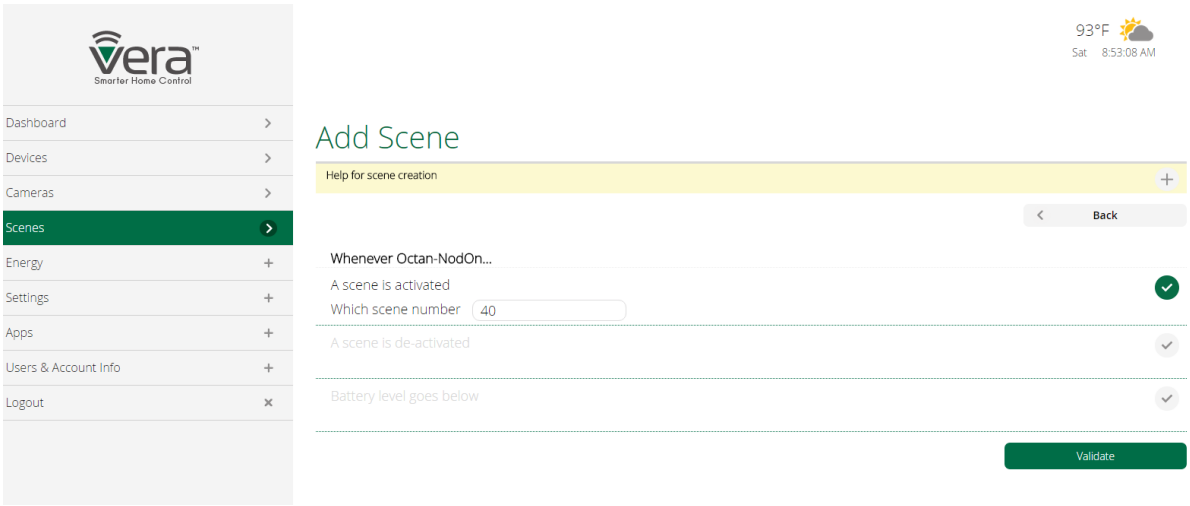


Note:

A known VeraEdge's bug is that instead of displaying "Button #1", "Button #2", etc. the web interface displays 4 times the name "False". In this case, consider that the first "false" is Button #1, the second Button #2, etc.

You can also create a Scene through the scene menu and select the Octan Remote as a trigger. For this, choose Option "A scene is activated" and specify

- 10 for button •
- 20 for button +
- 30 for button 0
- 40 for button –



B. Scene Activation Mode (Advanced Mode)

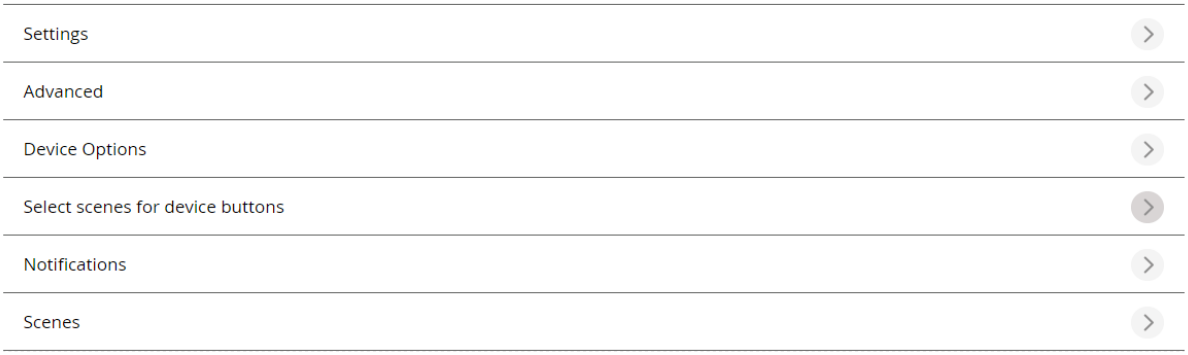
As mentioned above, in order to enjoy the 16 scenes of the Octan Remote, you can use Scene Activation Mode and LUA script.
We're working with Vera's team to make this feature more user-friendly and convenient in the shortest time. Do not hesitate to contact our technical support and the one of Vera if you have questions.

To activate the "Scene Activation" mode, you will need to do the following steps

1. Add configuration parameter to the Octan
2. Ask the VeraEdge to apply your configuration
3. Fix a known VeraEdge bug with some LUA script. Indeed, natively the VeraEdge doesn't extract the right Scene ID, so you must get it using Script.

1. *Add configuration parameter*

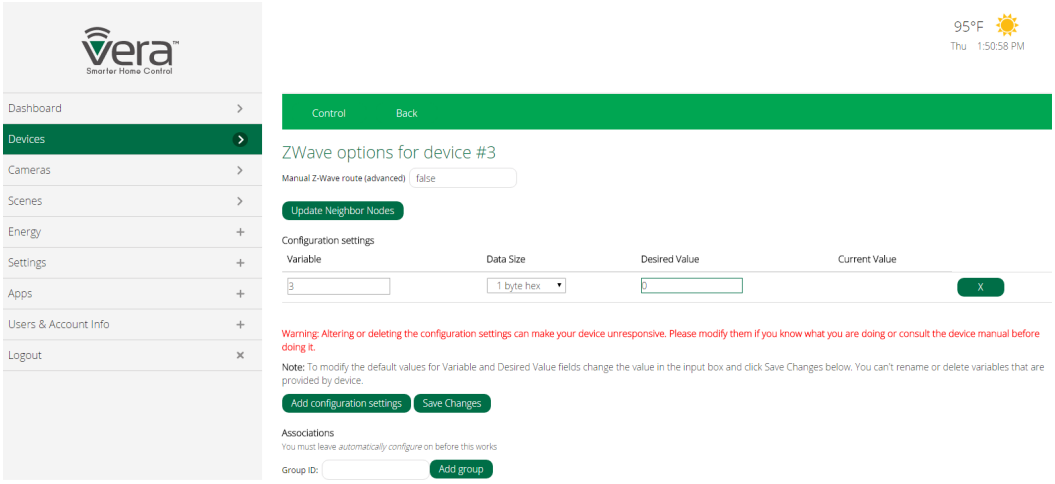
Select the Octan Remote in the "Devices" menu and then click on the menu called "Device Options".



Then you should arrive on a menu where you can see a button called "Add Configuration settings". Click on it and you should be able to set up a new configuration setting.
According to the Octan Remote User Guide, below the inputs

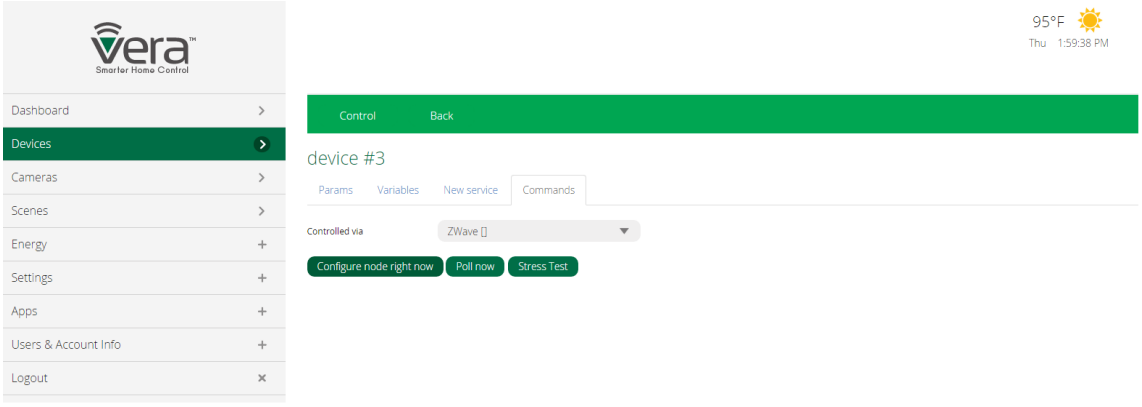
- Number: 3
- Data size: 1 byte hex
- Value: 1 (Scene Activation Mode)

Confirm the setting and save it.



2. *Ask VeraEdge to apply your configuration*

Go back to the main menu of the Octan Remote and click on the button called "Advanced". Go to the tab called "Commands"



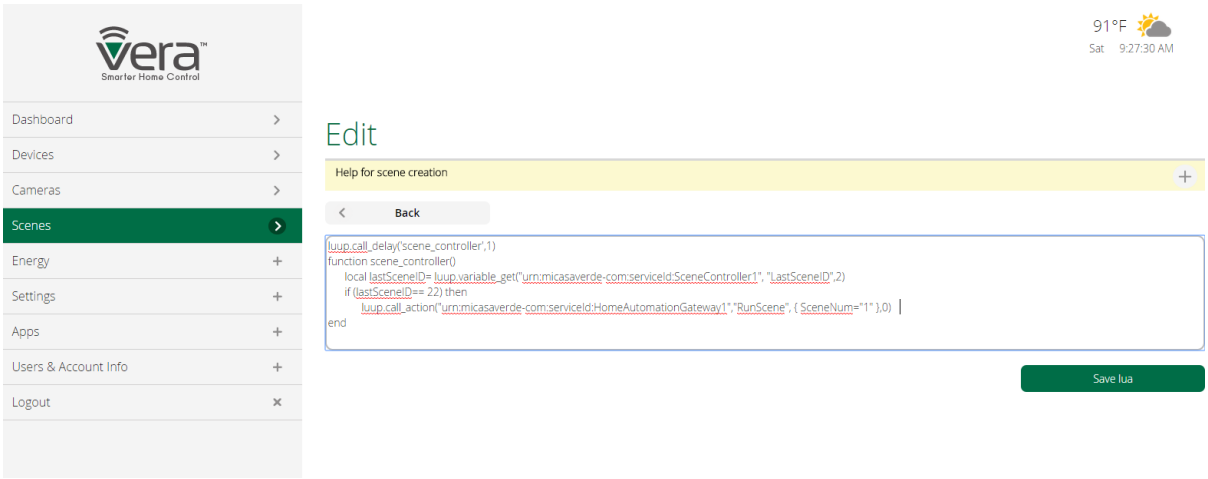
Once in the menu, click on "configure node right now".
Once you receive the confirmation that the VeraEdge got the command, please wake up the Octan Remote by pushing any of its buttons
Make sure you are close enough to the VeraEdge while doing this.

Please wait until VeraEdge configures it according to your need.

3. *Create a Scene with LUA Script*

To finish, you need now to create a Scene. Chose the Octan Remote as a trigger and put a scene ID of 0
Then, in the step "Finish the Scene" of you scene creation, please add a LUUP code by clicking on "Luup Code defined".
You need to reach the LastSceneID that contain the right value of which button was pressed with what kind of press.

Below an example




```
-------------------------------------------------------------------------
luup.call_delay('scene_controller',1)
function scene_controller()
   local lastSceneID = luup.variable_get("urn:micasaverde-
com:serviceId:SceneController1","LastSceneID",#DEVICE_ID#)
   if (lastSceneID == "#REMOTE_BUTTON_ID#") then
      luup.call_action("urn:micasaverde-
com:serviceId:HomeAutomationGateway1", "RunScene", {SceneNum =
"#scene_num#"}, 0)
   end
end
-------------------------------------------------------------------------
```

#DEVICE_ID# replaced with your Octan Remote ID
#REMOTE_BUTTON_ID# replaced with button ID (ex 10,20,30,40,...)
#scene_num# replaced with Vera Scene ID

If you want to launch Scene #1 while the Scene Activation ID 22 is detected (it's a long press on button +).

- #DEVICE_ID# = Octan Remote (or the name you chosed)
- #REMOTE_BUTTON_ID# = 22
- #scene_num# = 1

Here is the summary table of the corresponding IDs for each of the 16 possible actions on your remote
For correspondence between buttons' number and symbol, please check the User Guide of the Octan Remote.

Action / Button pushed	Single Press	Double Press	Hold Press	Hold Released
Button 1	0x10	0x13	0x12	0x11
Button 2	0x20	0x23	0x22	0x21
Button 3	0x30	0x33	0x32	0x31
Button 4	0x40	0x43	0x42	0x41

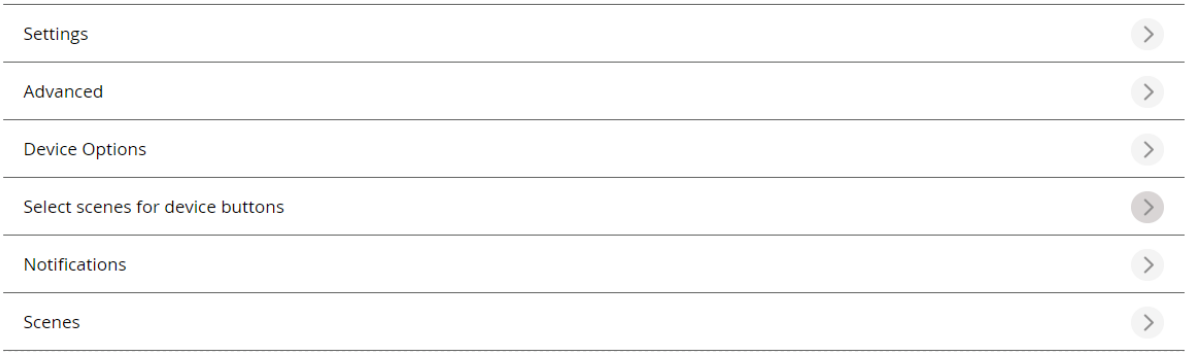
C. Direct Association Mode

To activate the "Direct Association" mode you need to do the following step :

1. Set the configuration parameters to the desired value (Mono, Duo, etc...)
2. Associate the device you want to control in the desired group of the Octan Remote

For details about Configuration parameters and Association groups, please check the user guide of the Octan Remote.

First, you have to add configuration parameter to the Octan Remote.
Select your Octan Remote in the "Devices" menu and then click on the menu called "Device Options"



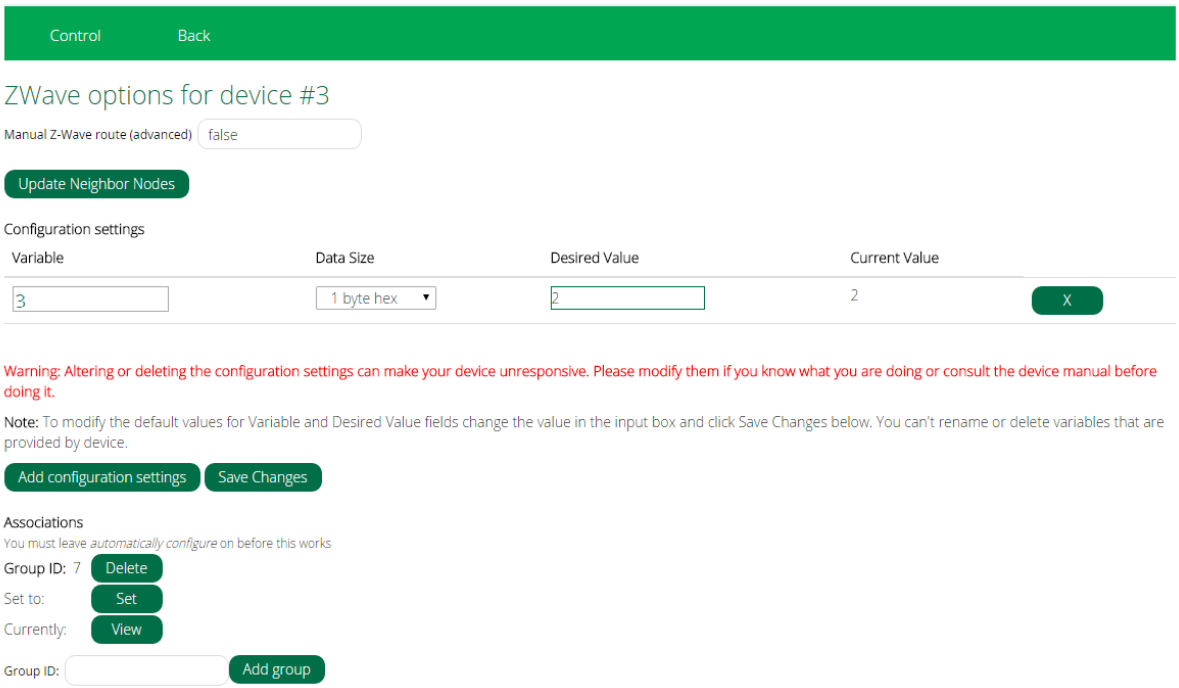
Then you should arrive on a menu where you can see a button call "Add Configuration settings". Click on it and you should be able to set up a new configuration setting.

Example of direct Association configuration
Let's say we want to use buttons "+" and "–" in Duo Mode to control a Smart Plug. According to user guide we need to set-up 2 things

- Parameter #2 corresponding to the button "+" and "-" into Duo mode
    - Number: 2
    - Data size: 1 byte hex

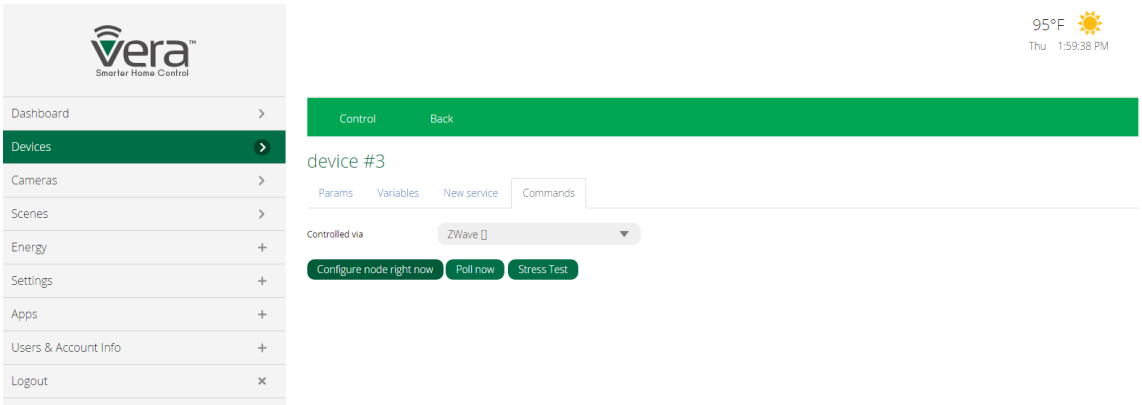
- Value: 2 (Duo Mode)

- Place the device you want to control (The Smart Plug) in the Group 7
  - Write "7" in the Group ID field
  - Click on "add group"
  - The group appears on the screen, then click on "Select" to add the device (already included in your VeraEdge network) that you wan to control with buttons "+" and "-"



Confirm the setting and save it.

Then go back to the main menu of the Octan Remote and click on the button called "Advanced". Go to the tab called "Commands"



Once in the menu, click on "configure node right now".
Once you receive the confirmation that the VeraEdge got the command, please wake up the Octan Remote by pushing any of its buttons.

Make sure you are close enough to the VeraEdge while doing this.

Please wait until VeraEdge configures it according to your need.

4- CONCLUSION

We've displayed above some solutions to use the Octan Remote with VeraEdge gateway. Some features can be considered as "tricky", we're currently working and pushing with Vera's team to make this more user-friendly and easy to use.

The 2 others portable controllers of NodOn (Soft Remote and Wall Switch) are working in the exact same manner as the NodOn Octan Remote, once the Inclusion is done. You can apply above tutorial. For Learning modes (Inclusion / Exclusion) of the Wall Switch and the Soft Remote, please refer to the relevant User Guide.

Soft Remote NodOn (Z-Wave Plus®)

Wall Switch NodOn (Z-Wave Plus®)

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