Z-Wave Certification App User Guide

Overview & Limitations

This guide documents explain how to use Z-Wave Certification Application to test Z-Wave functionalities. Z-Wave Certification Application only can be run on android framework, and use IoTService(android service, automatically started when android boot up)
So, if android don't boot up completely, this application couldn't be run properly.

Run Application

1. Turn On Device & Enter Android home.

a. Connect HDMI cable to any TV or Monitor.

b. Connect Power cable.

c. Wait some minutes until android boot up.

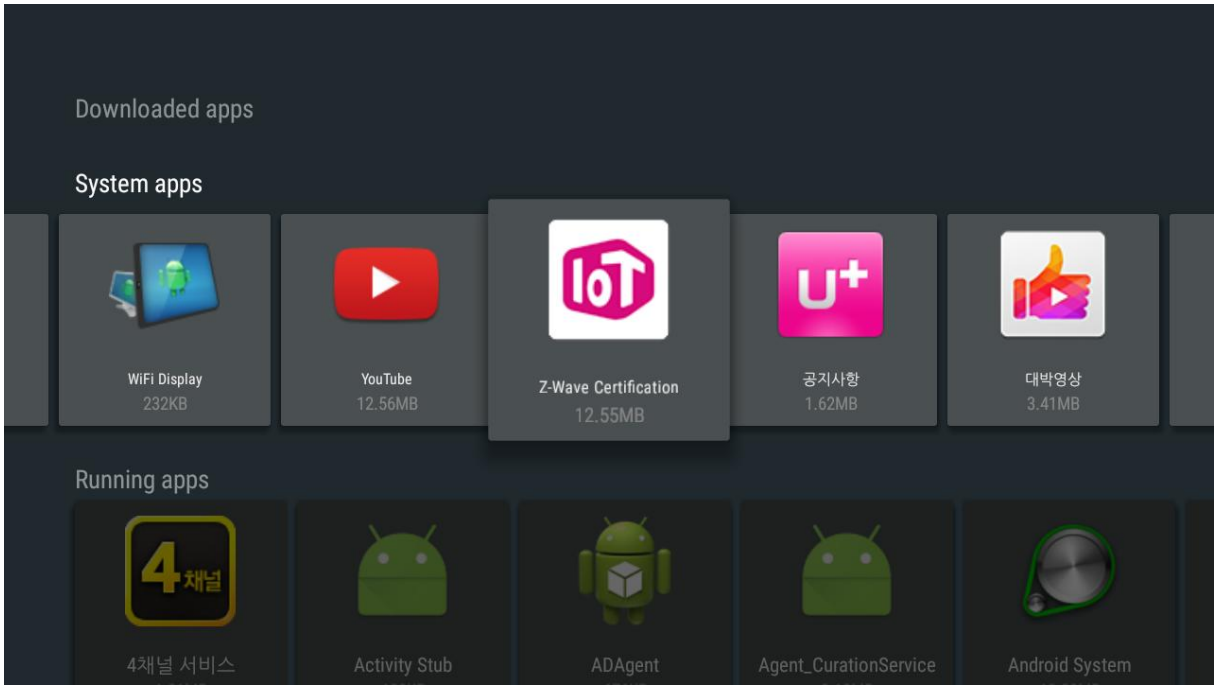
d. Push "O" button on remote controller to enter android home.

Run Application

2. How to run Z-Wave Certification

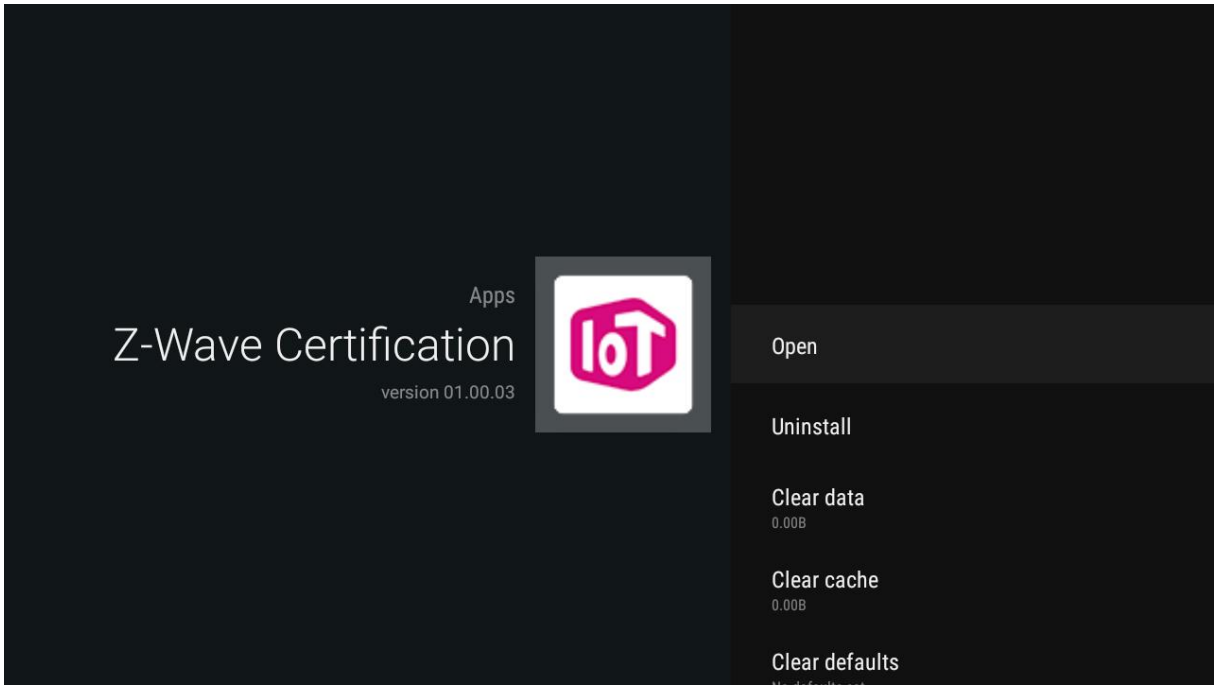
a. move : Settings -> Apps -> System Apps -> Run Z-Wave Certification

b. Select Z-Wave Certification



Run Application

c. Select "Open"



Inclusion & Exclusion

This Chapter describe how to add node for inclusion and remove for exclusion.

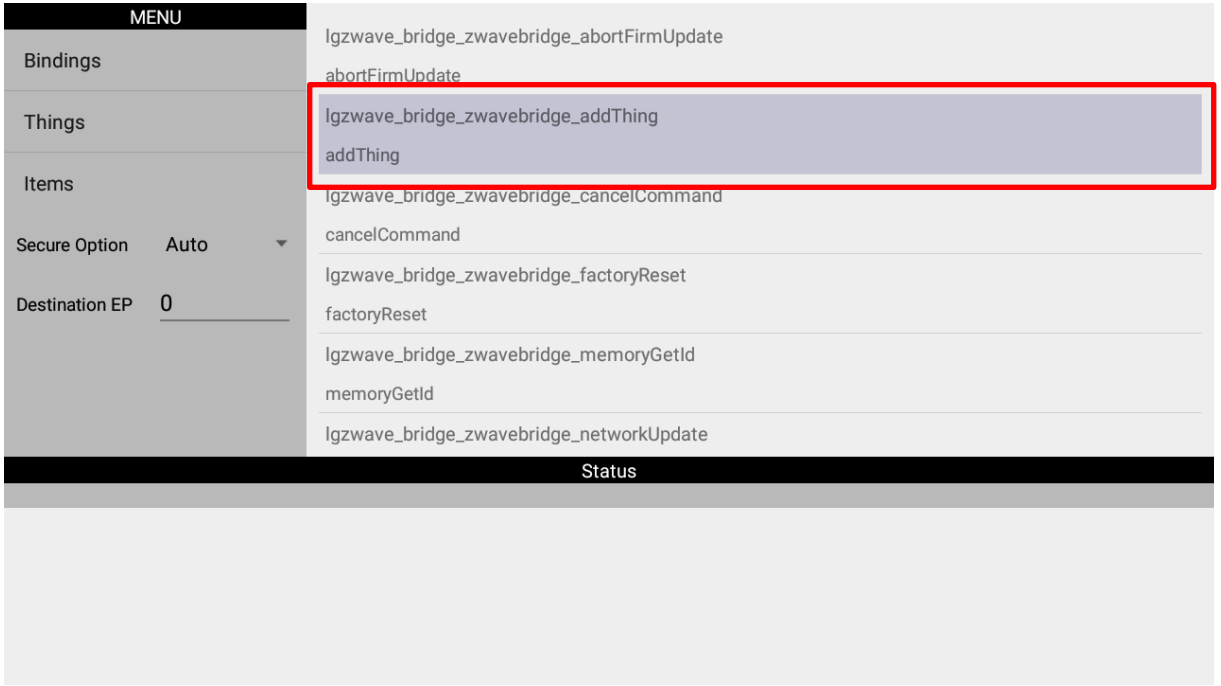
1. How to include Z-Wave devices

a. Select “Things” in the left MENU

b. Select “bridge” (lgzwave:bridge:zwavebridge)
- command list will be appeared on the right list.

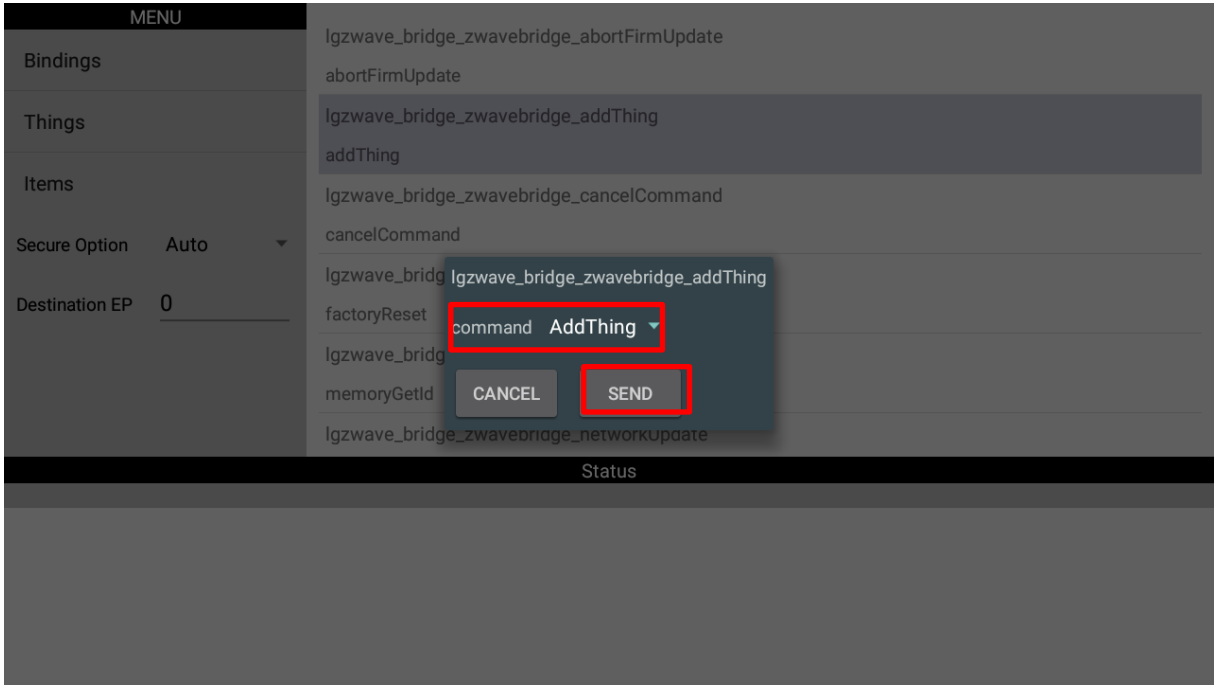
Inclusion & Exclusion

c. Select "addThing" on the right list



Inclusion & Exclusion

d. When you select "AddThing", Send Command Dialog popped up.



e. And then Check Command & Push "SEND" Button

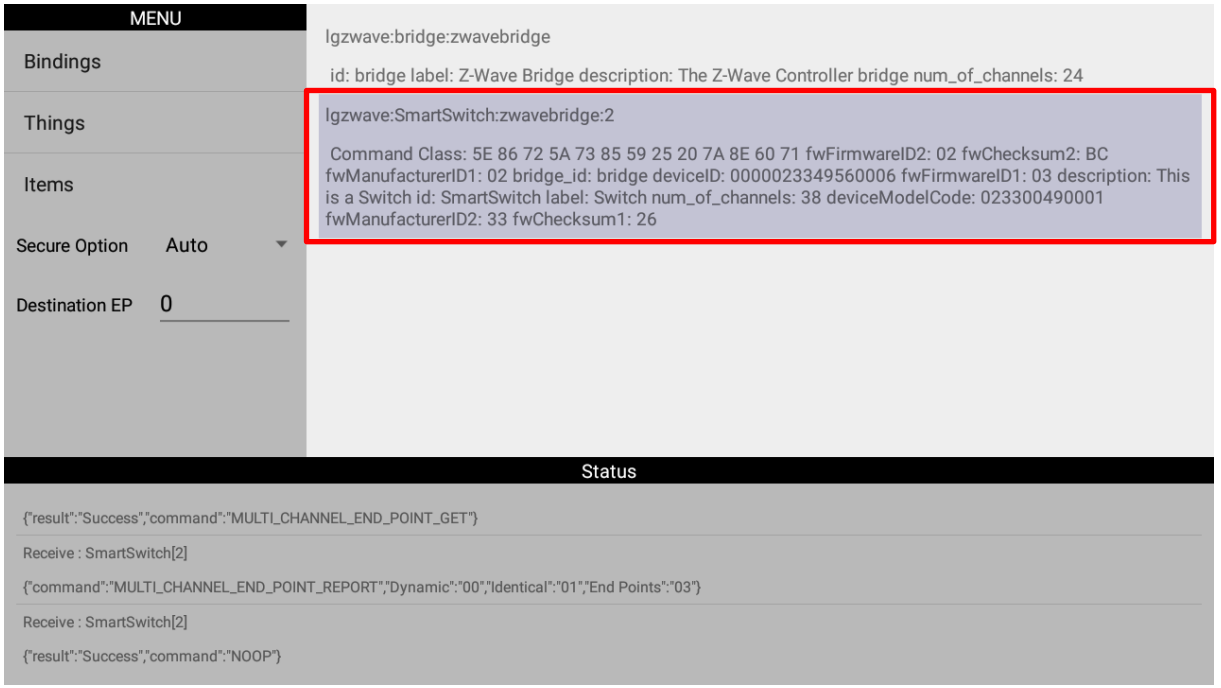
f. after that, command will be sent, and wait until attached another Z-Wave node

Inclusion & Exclusion

g. If Node is attached successfully, “success comment” is added Status list.

Inclusion & Exclusion

g. you can also check in the Thing list by selecting Things on the left MENU

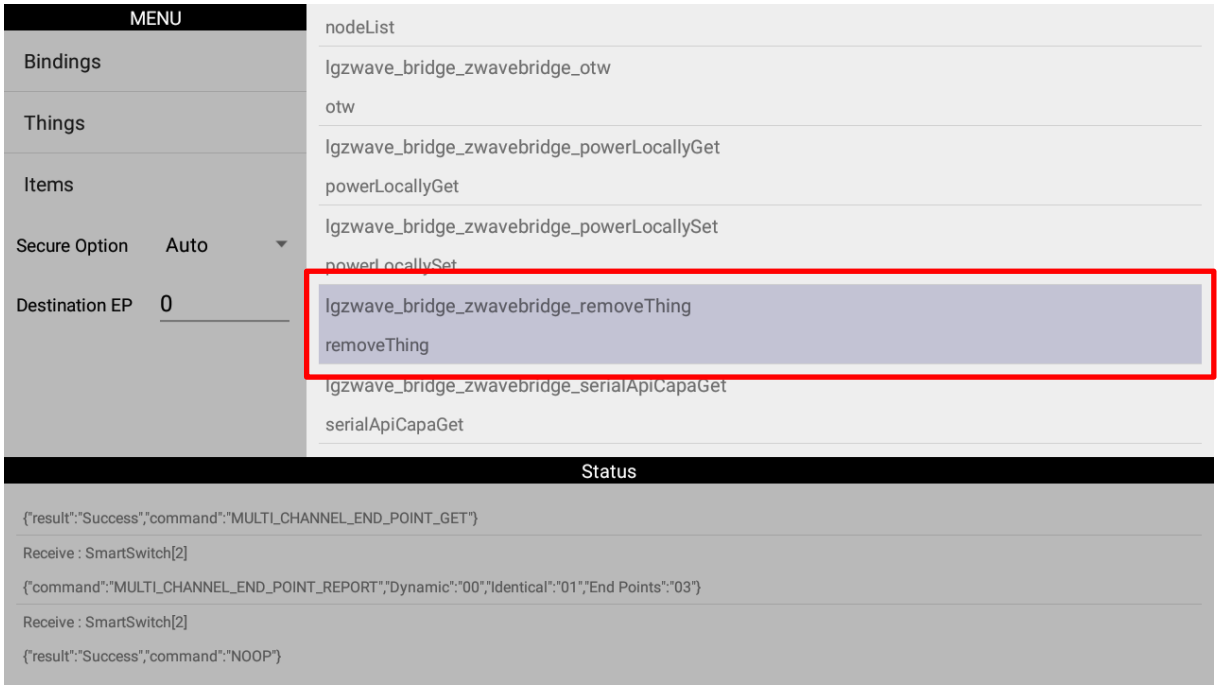


Inclusion & Exclusion

2. How to exclude Z-Wave devices

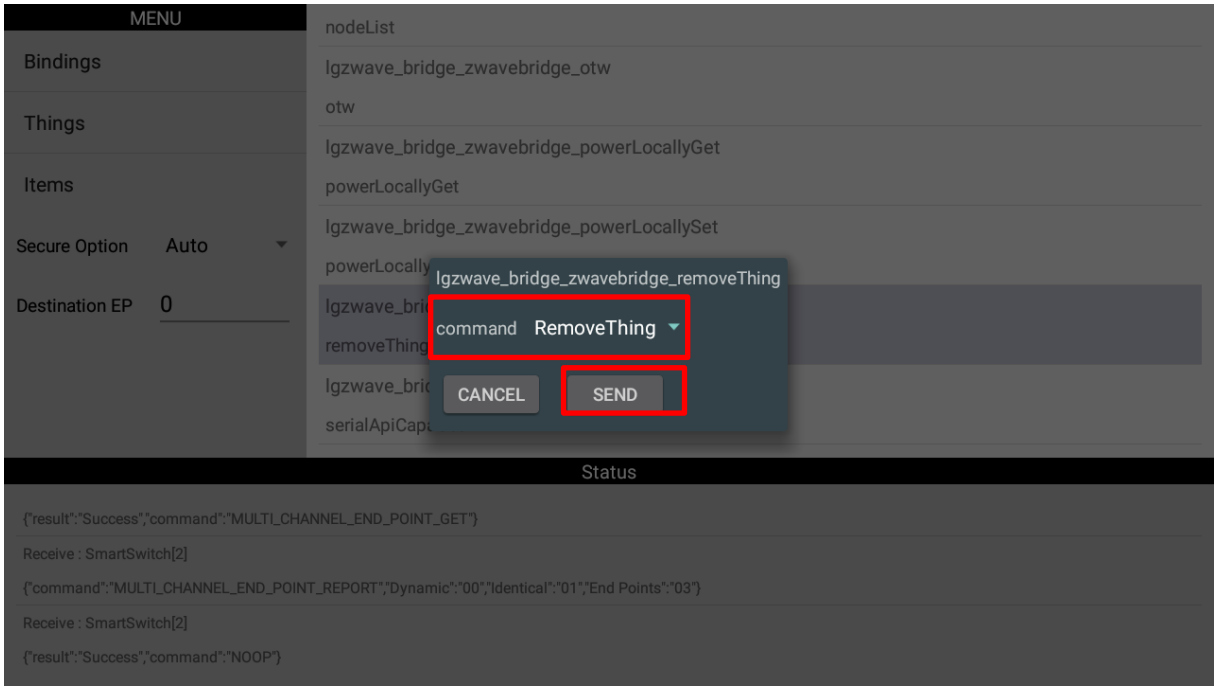
a. Select “Things” in the left MENU

b. Choose “bridge



Inclusion & Exclusion

c. Select "lgzwave_bridge_zwavebridge_removeThing"

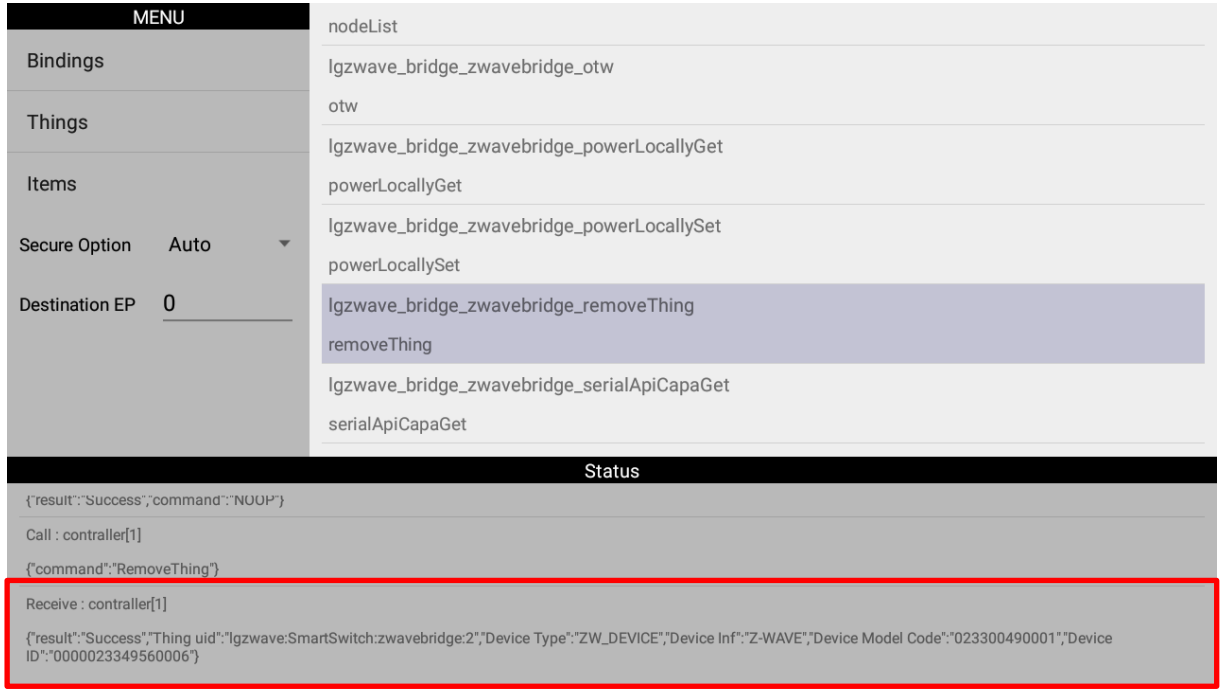


d. Check Command & Push SEND Button

e. push exclude button of Node wanted to exclude.
(in case of GasLock, "-" button push for 5 sec.)

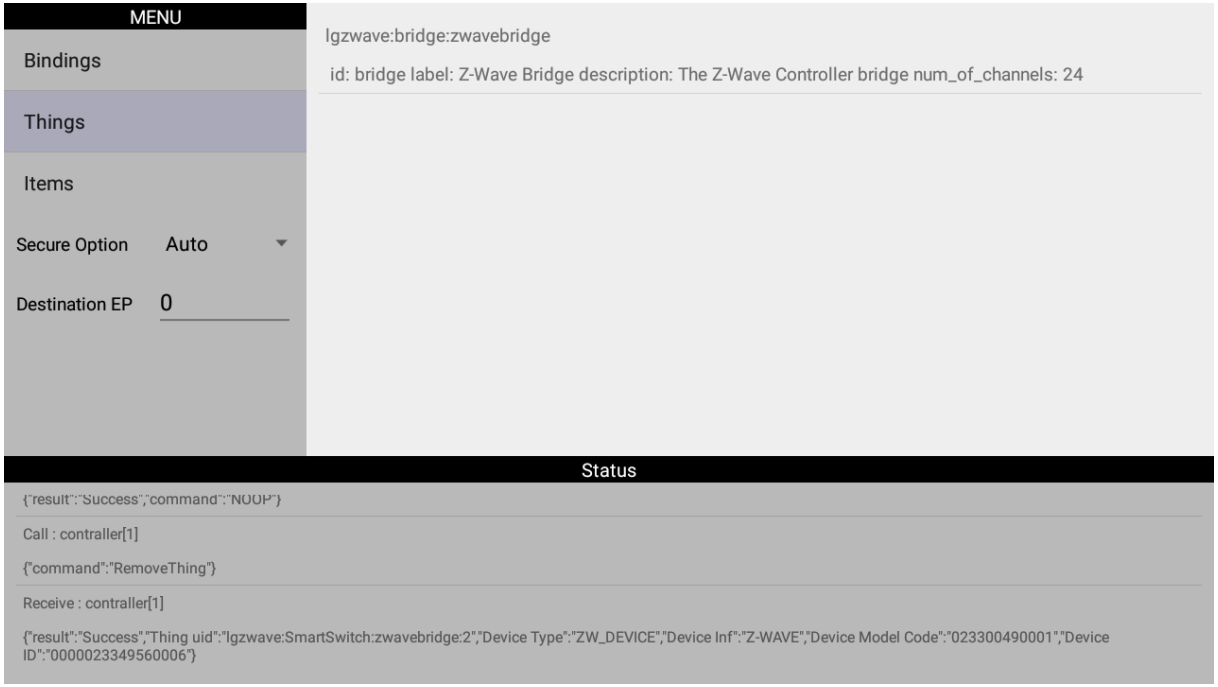
Inclusion & Exclusion

f. Check “Success Comment”



Inclusion & Exclusion

g. And also you can see what the Node is excluded on Things list

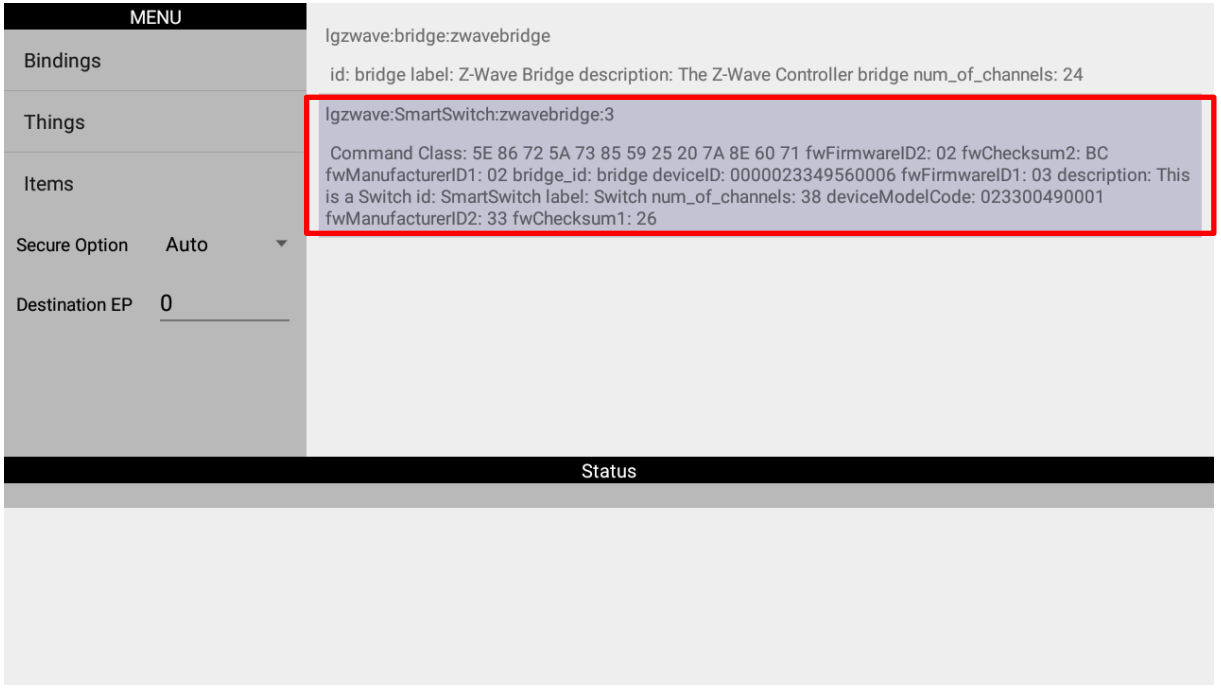


Send & Receive Command

This Chapter describe how to send command to Z-Wave Node. at first, describe full sequence with basic Command, and another command also can be sent like basic Command.

1. Send Basic Command & Receive

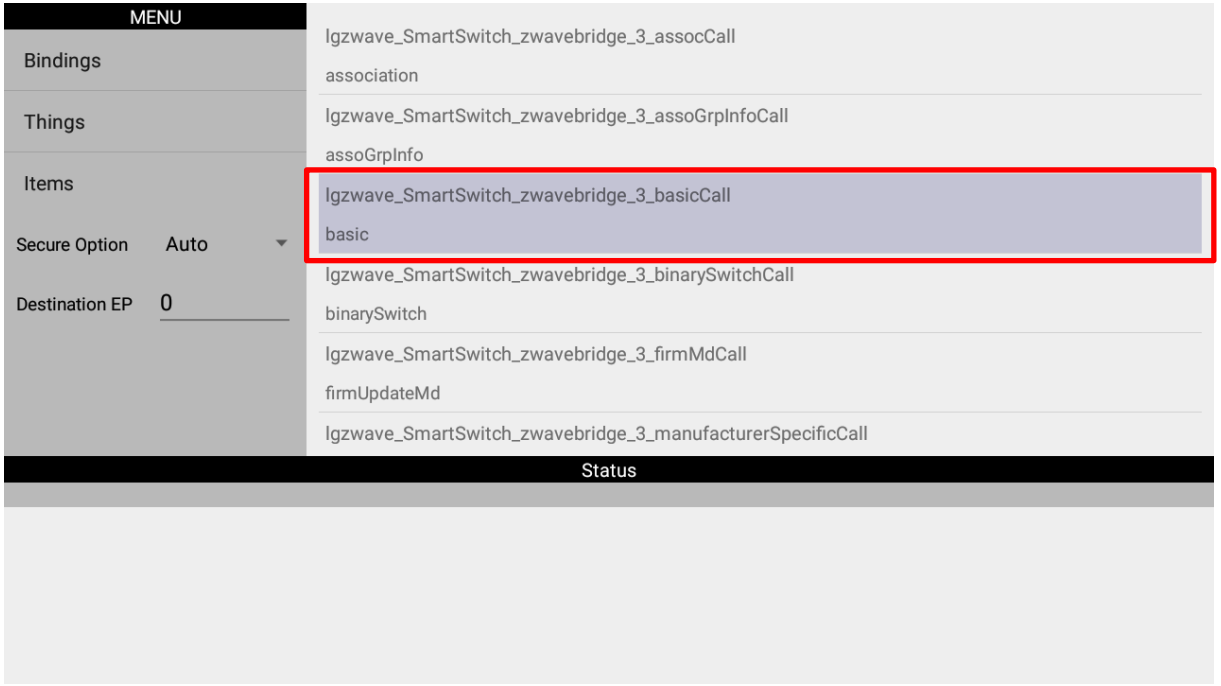
a. Choose specific Thing on Things List



Send & Receive Command

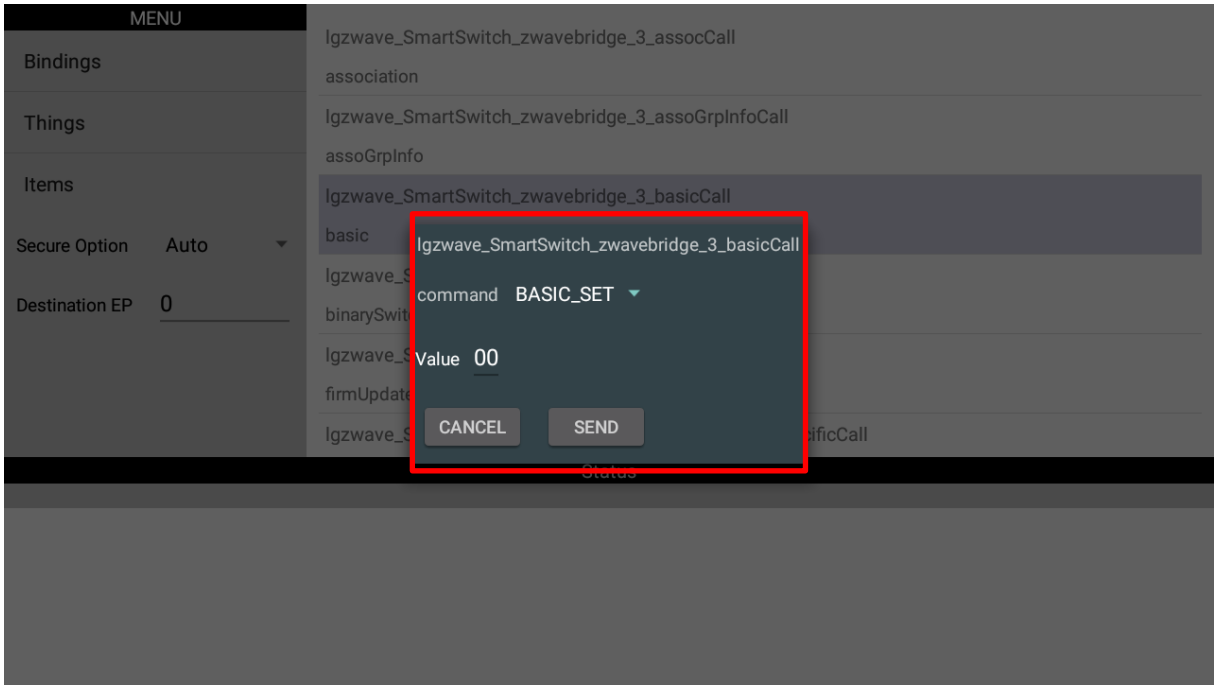
b. Commands List are appeared on the right list

c. Select a Command that you want to call.(at this time, Choose basicCall)



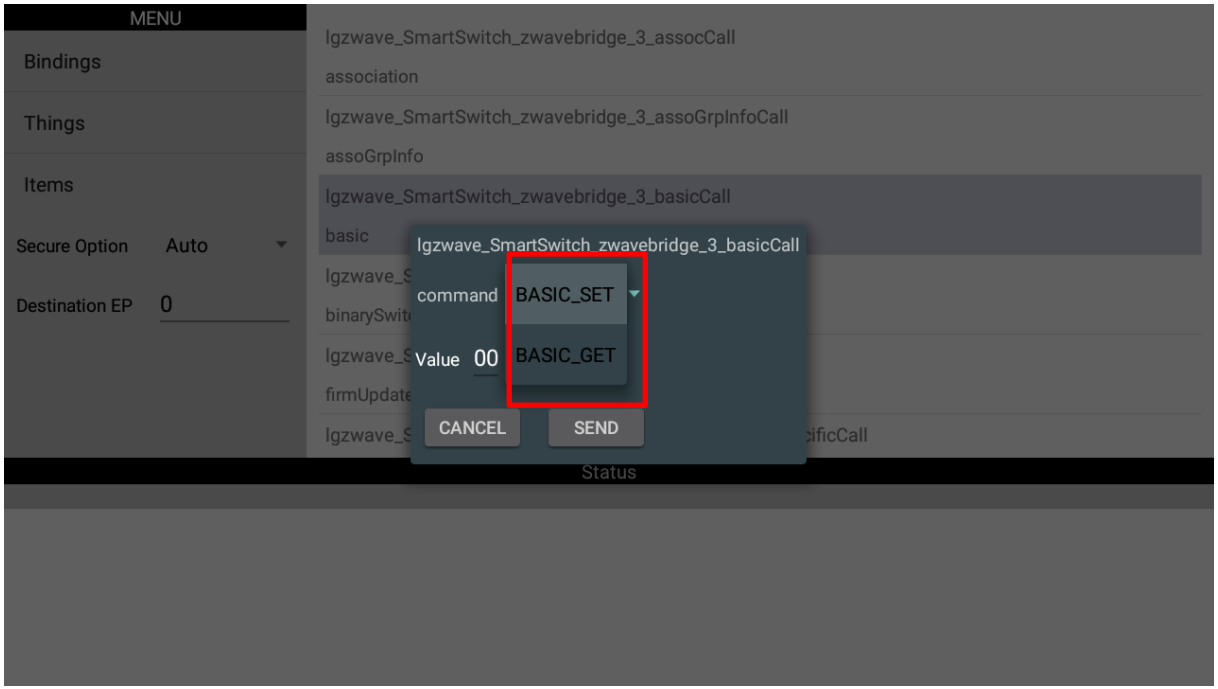
Send & Receive Command

d. “Send Command Dialog” is popped up.



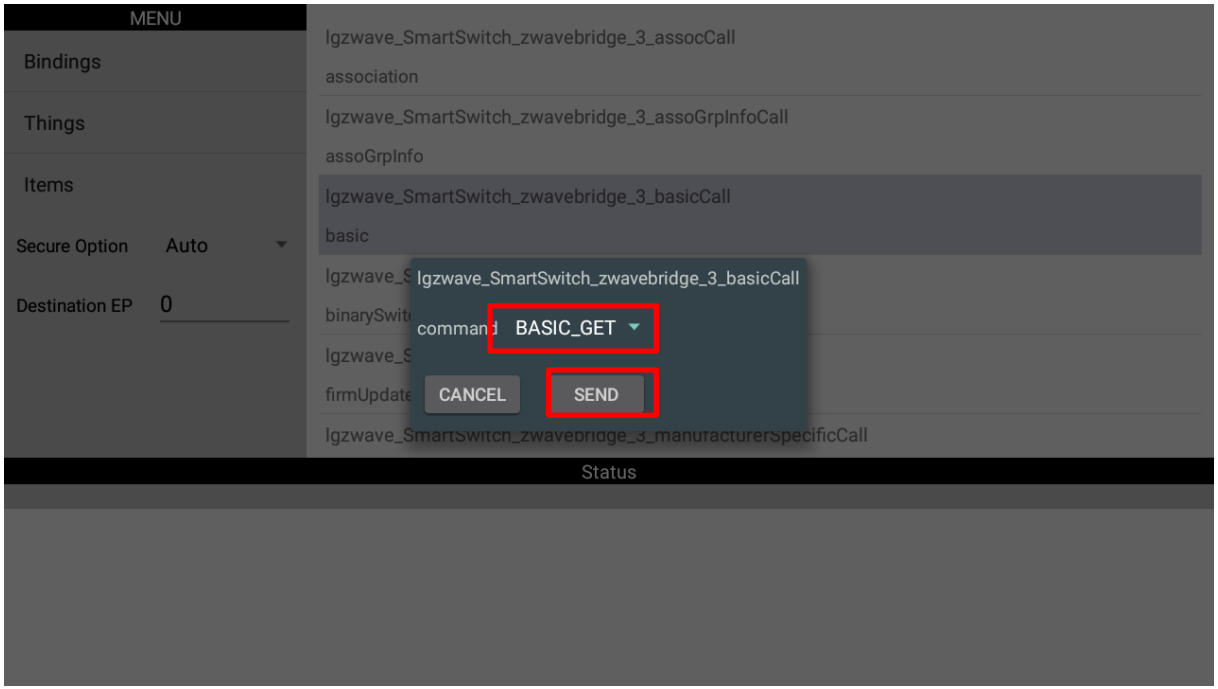
Send & Receive Command

e. Choose Command(BASIC_SET, BASIC_GET)



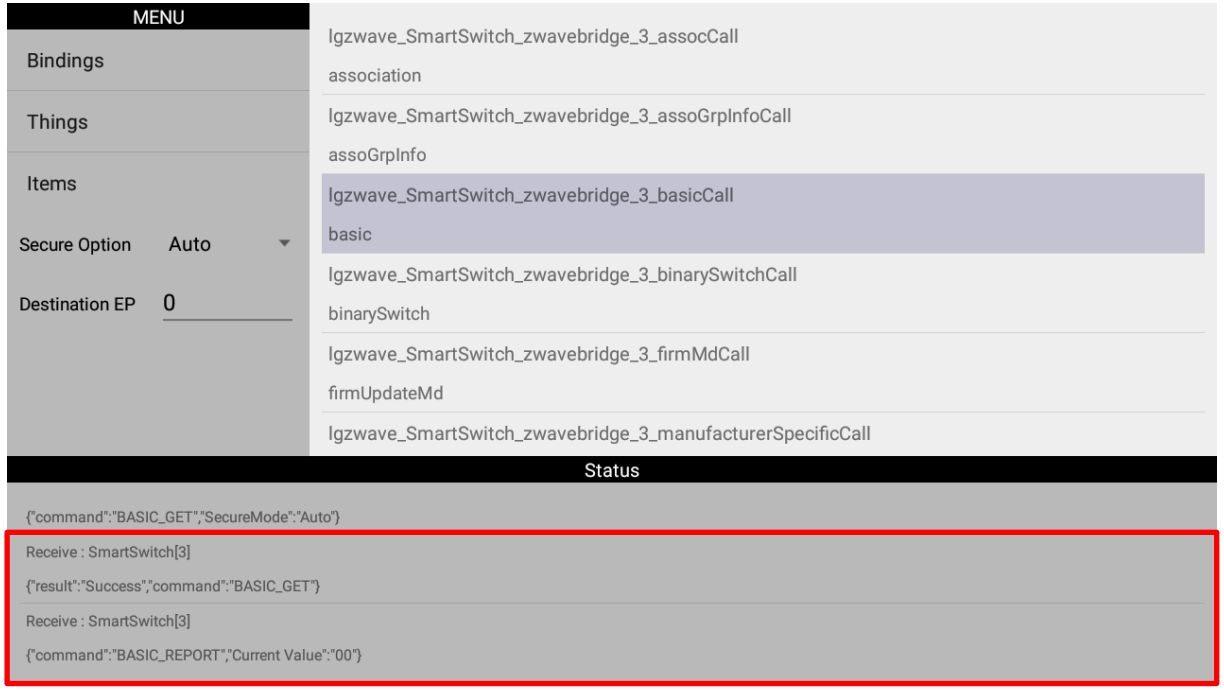
Send & Receive Command

e. Choose BASIC_GET & PUSH “SEND” Button



Send & Receive Command

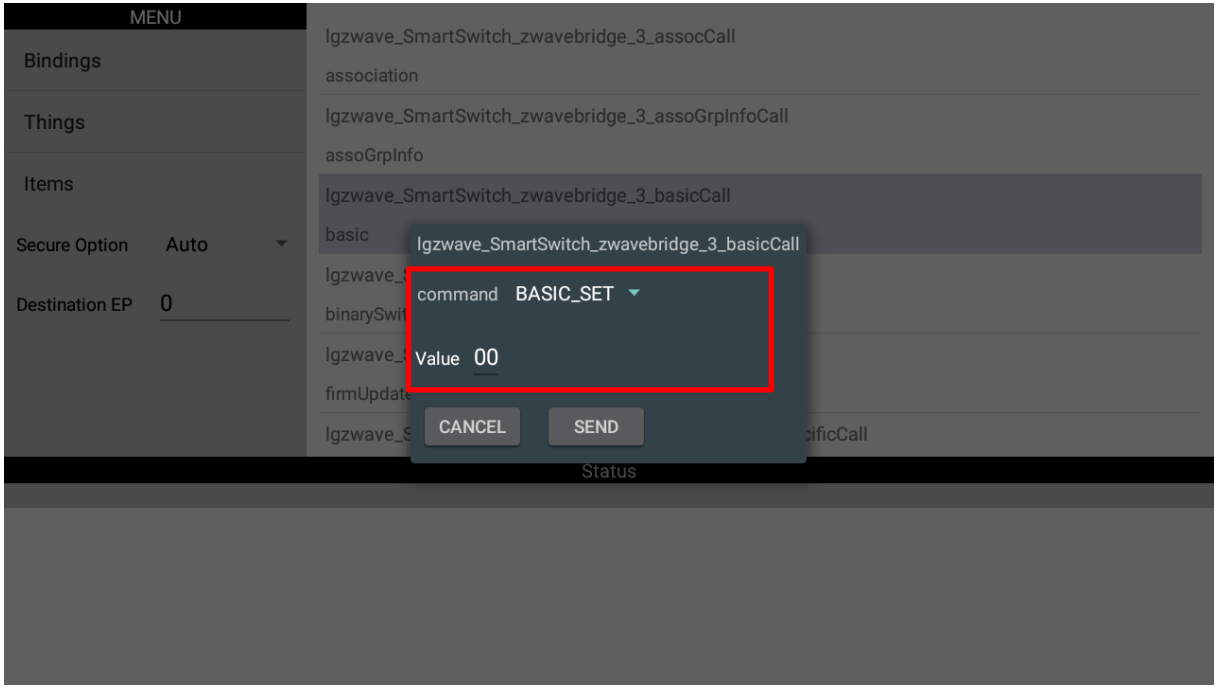
e. Check Success comment & Check value



f. Now Current Value : FF

Send & Receive Command

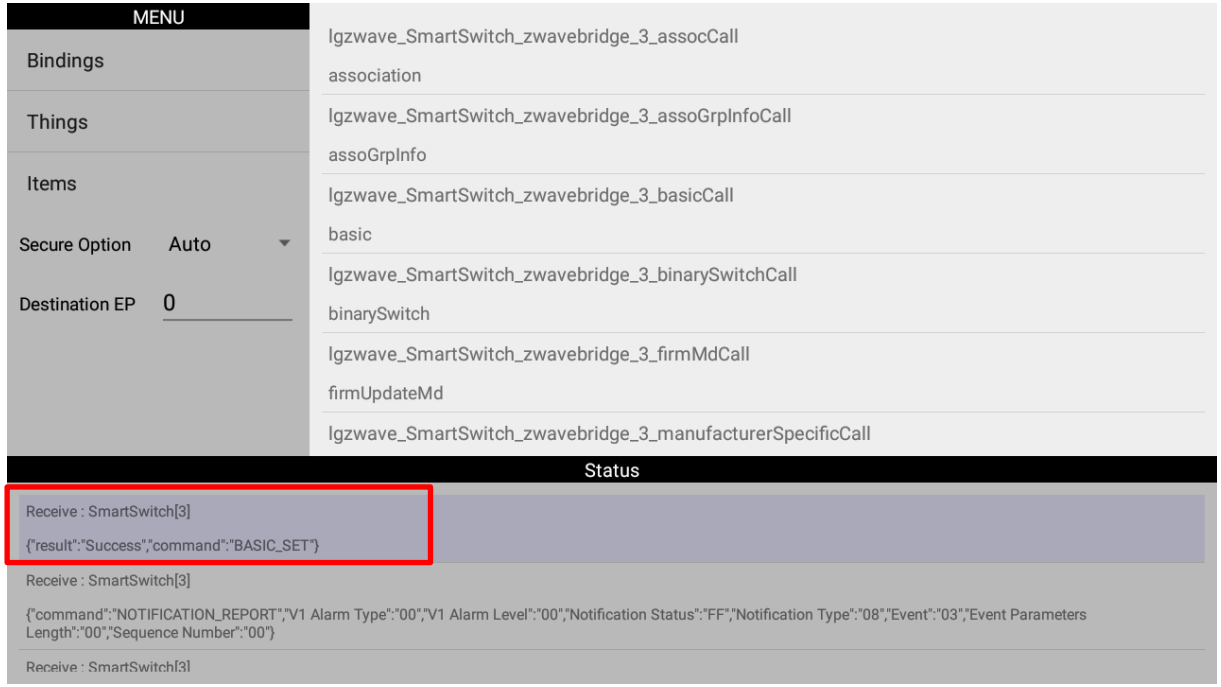
e. Choose “BASIC_SET” command, Input Value to “00”(Value have to be hexadecimal)



f. Push “SEND” Button

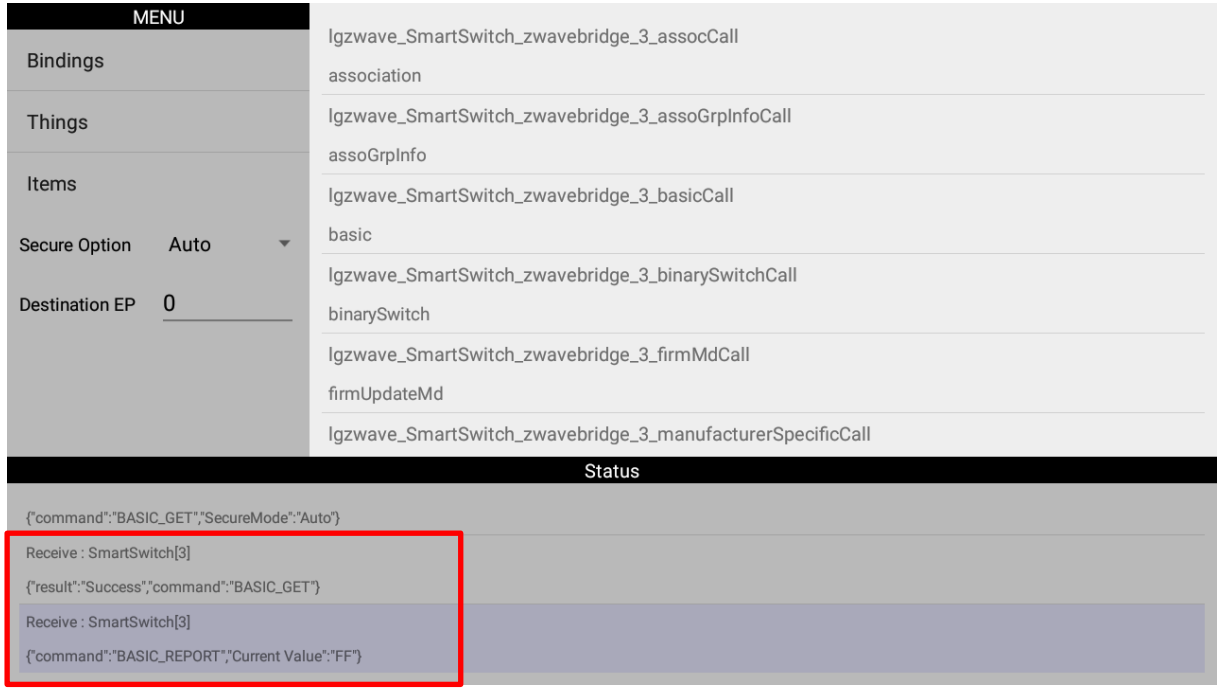
Send & Receive Command

g. Check “Success comment”



Send & Receive Command

h. Send BASIC_GET Command & Check Status List



i. Current Value is changed to “00”

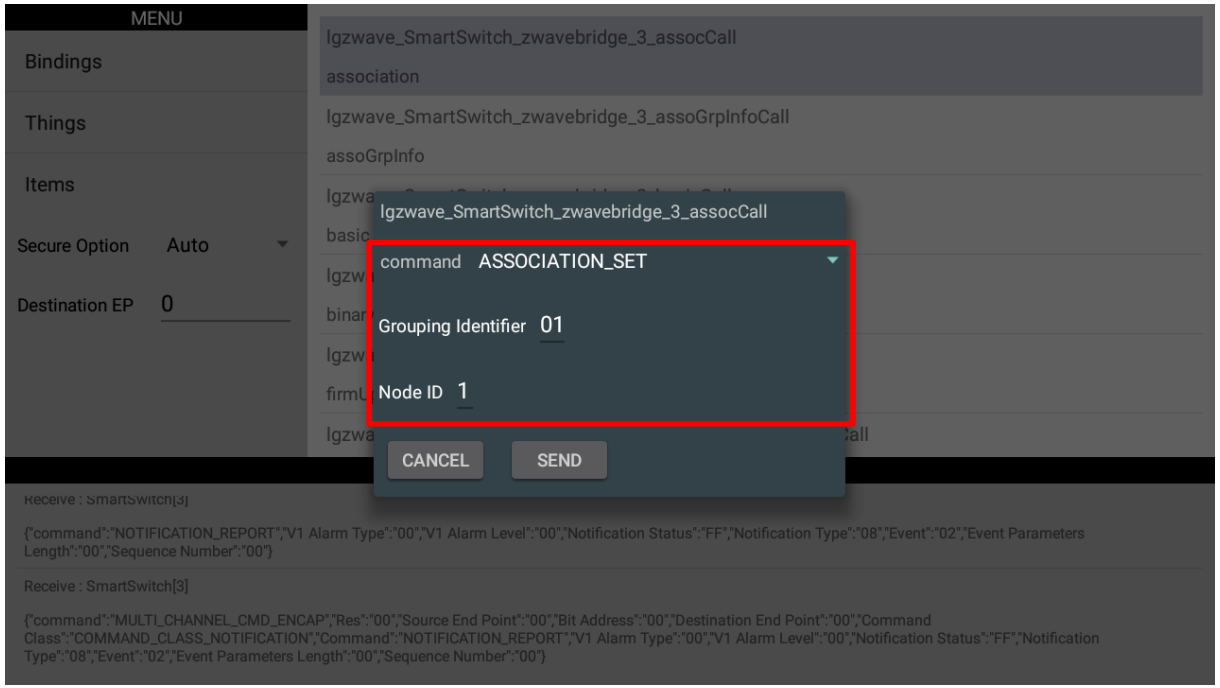
Send & Receive Command

2. Send Other Commands & Receive

a. Other Commands also can be sent like a basic command, just have different field to be sent. So just fill proper value and then push “SEND” button.

b. Commands list only show Command Class, so specific command have to be selected at “Send Command Dialog”, value field will be changed according to a command

c. All numeric value is sent as hexadecimal.



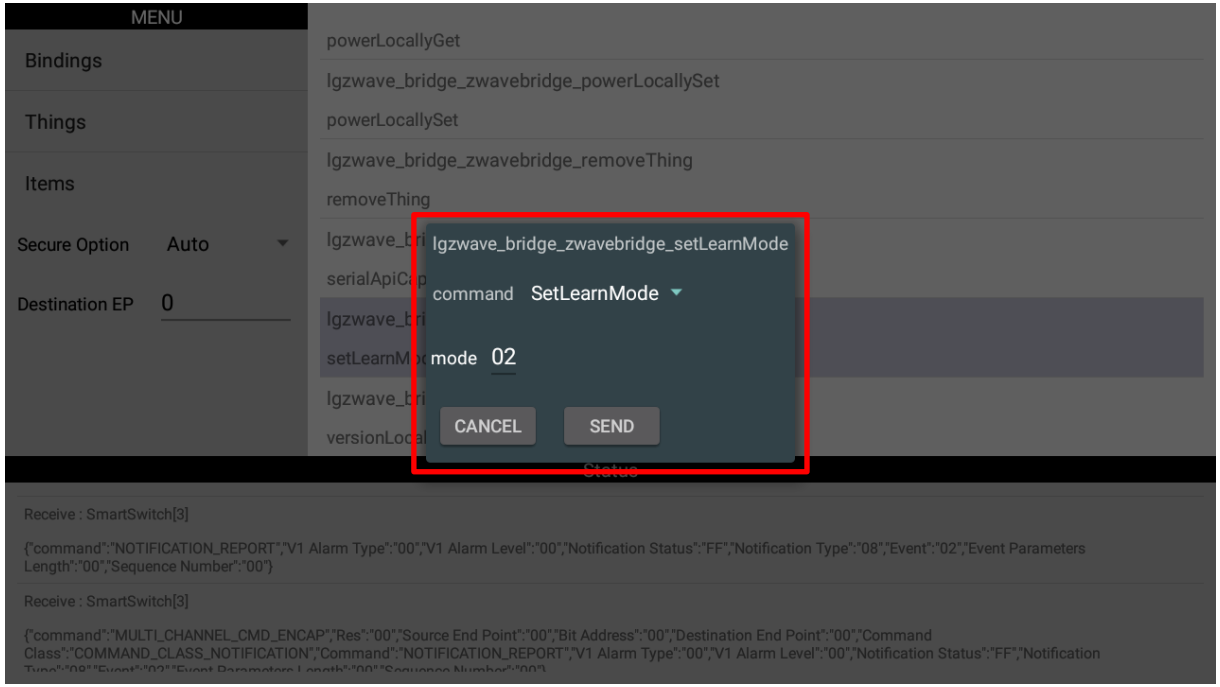
Learn Mode

This Product also can be included a existing network by another controller as an Thing.

"SetLearnMode" helps this functionality

a. Select "bridge" on the Things list

b. Select "setLearnMode"(lgzwave_bridge_zwavebridge_setLeanMode)

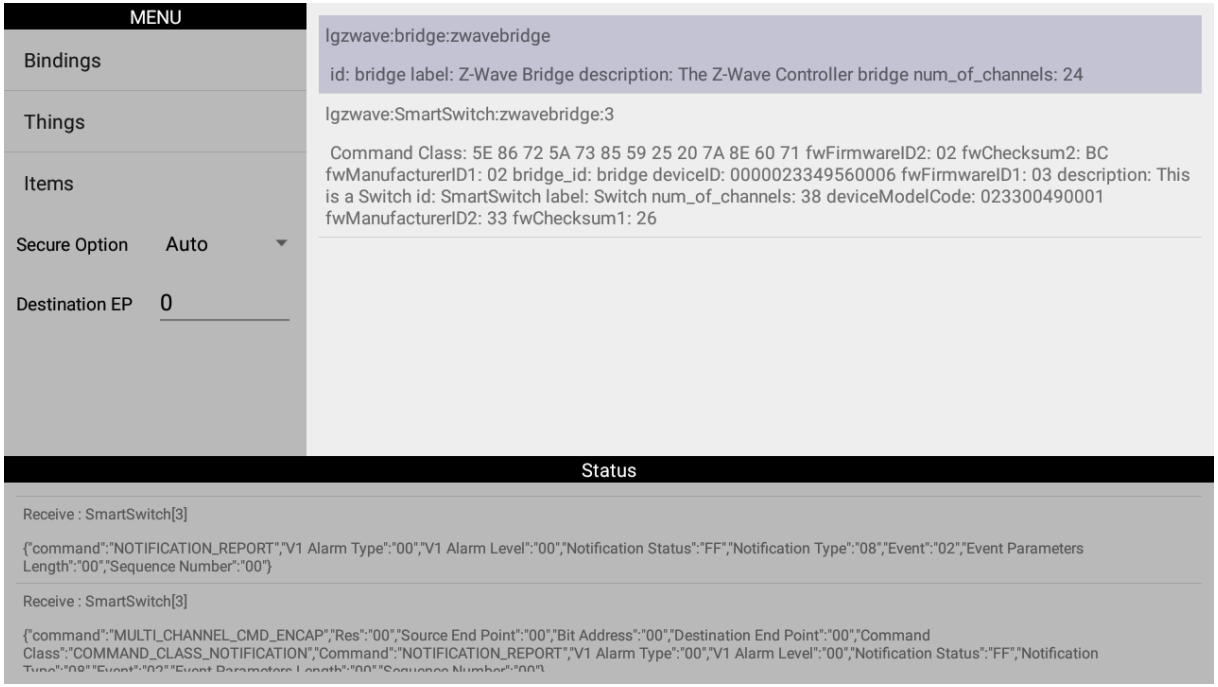


c. If another controller ready to get included or excluded, push "SEND" Button

Factory Reset

Z-Wave Network can be reset by call factoryReset Command of bridge.

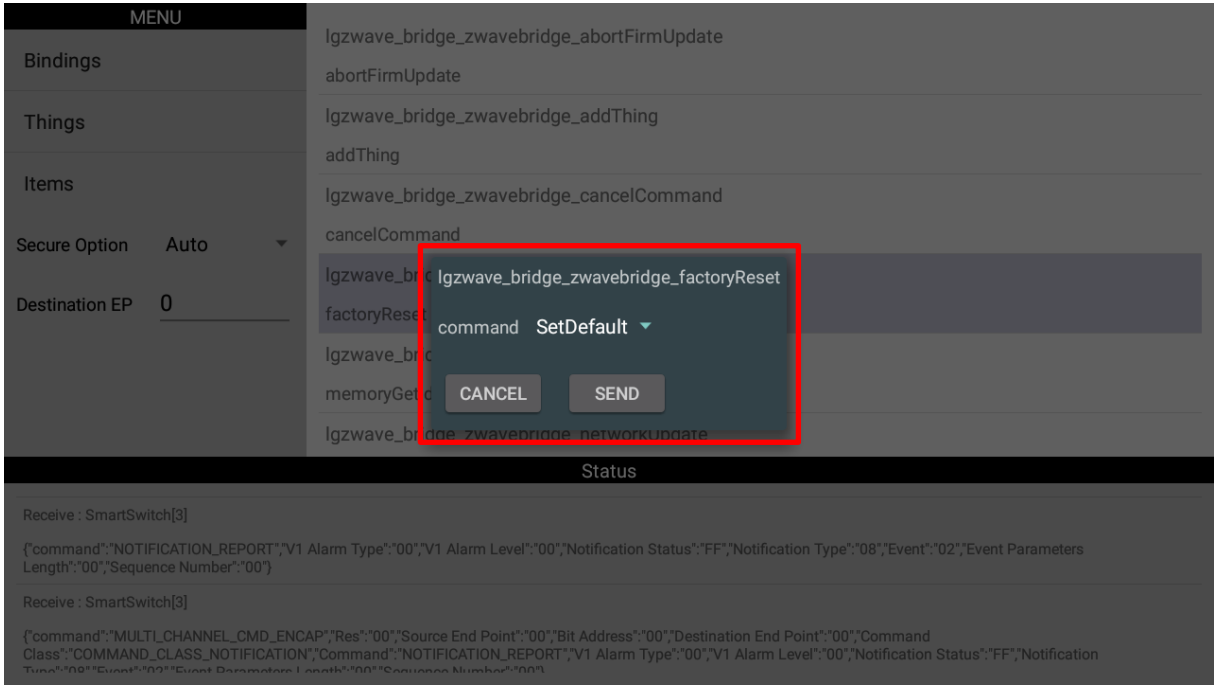
a. Select “bridge” on the Things list



Factory Reset

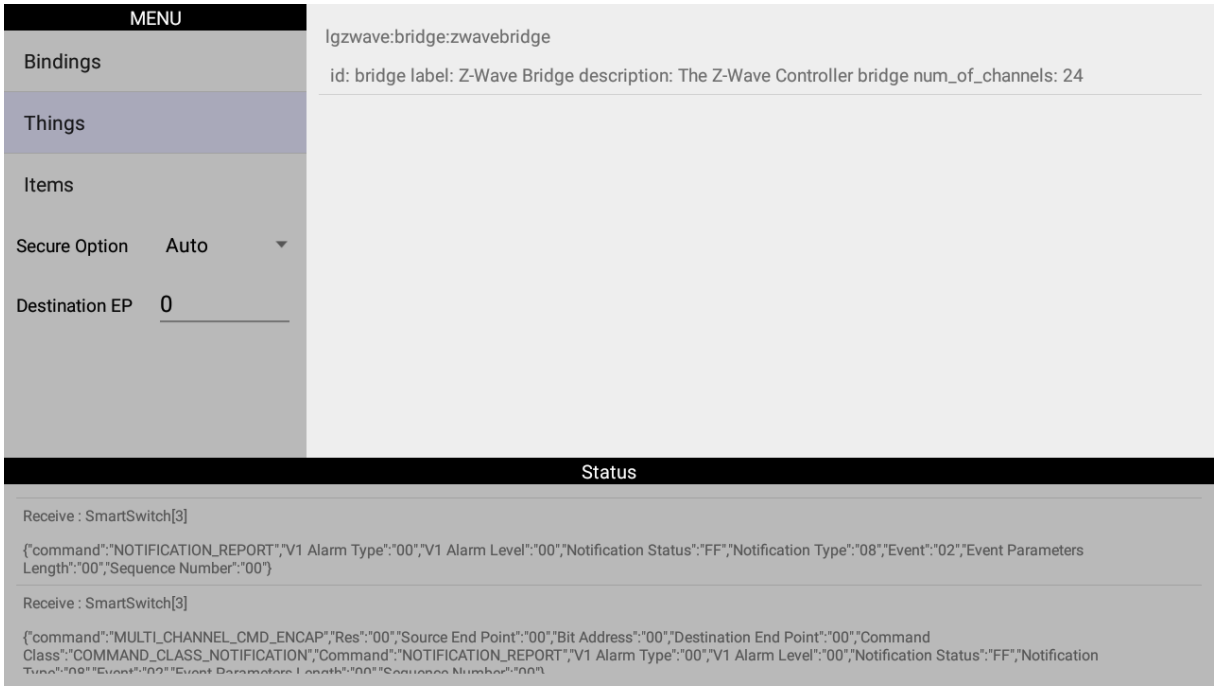
b. Select “factoryReset”

c. Choose “SetDefault” and Push “SEND” button



Factory Reset

d. Check Network is reset.

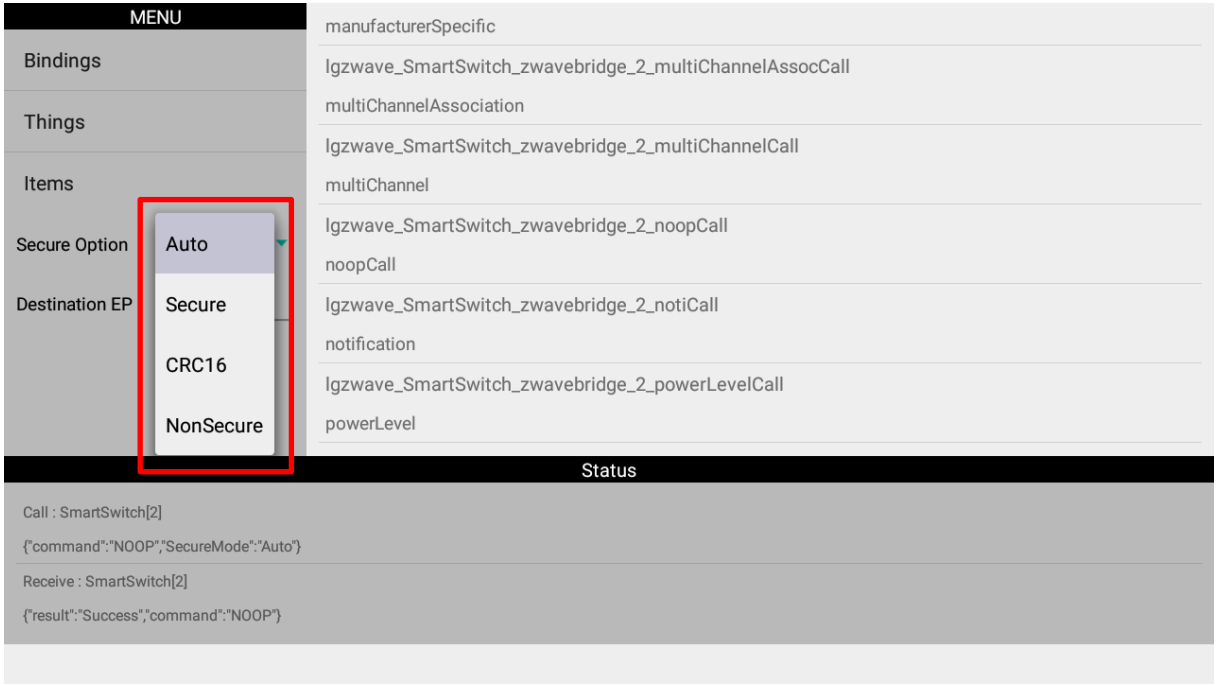


Secure Option & Multi Channel Cmd Encap

1. Secure Option

a. Application can set secure option, you can select option in drop box list.

b. If you select one of option on the drop box list,
a command encoded as secure option will be sent.



Secure Option & Multi Channel Cmd Encap

2. Multi Channel Cmd Encap

a. Application can set destination end point.

b. if Destiation EP value is set any number but 0,
A command will be sent as a Multi Channel Cmd Encap