NESS G1 ZWAVE GATEWAY

Part Number: 101-800 | Revision: 1.1

SETTING UP D8/D16 TO G1 GATEWAY

ADDING NESS D8/D16 SECURITY SYSTEM

MINUMUM REQURMENTS

Before you can interface the D8/D16 to the G1 Gateway, you need to make sure you G1 Gateway is running at least firmware v040202 and above. Refer to the section in this installation manual on how to check what firmware you are running.

CONFIGURING IP232 MODULE

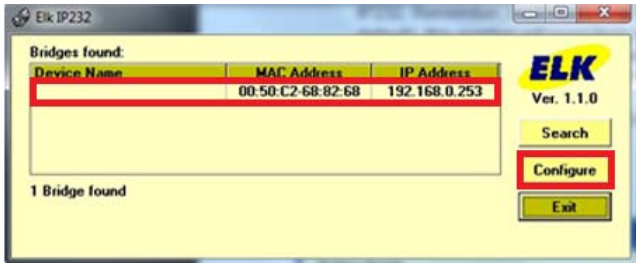
Before the D8/D16 can connect to the gateway, you need to configure the IP232 Module.

1. Connect your IP232 module to the same network as the Z-Wave Gateway, using the LAN cable.

2. Power up your IP232 module, and wait at least 30 seconds for it fully power up.

3. Install the latest IP232 Utility software on your computer, and open it.
This can be downloaded from the Ness website. (Under the M1 Downloads section)

4. Select the IP232 module from the list, and click configure.
If your device is not showing, click on the search button to find modules on your network. If it still doesn't show then double check your computer is plugged into the same network as the IP232 module.



5. You now need to enter / change some settings in the configure screen.

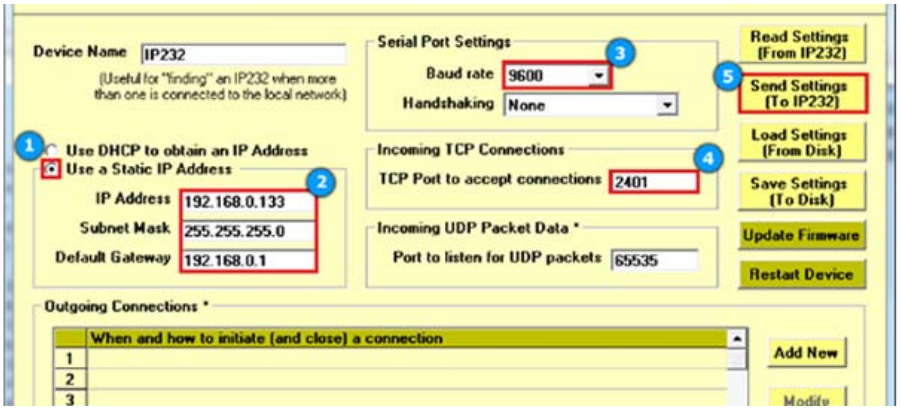
1. You need to make sure you set the IP address to a static IP address.

2. You need to enter in an IP address for this IP232 Ethernet to serial bridge.
This should be on the same network range as your computer & Z-Wave Gateway. (e.g. 192.168.0.xx)
If you are unsure what IP settings to use you might need to contact the network administrator.

3. You need to set the Baud rate to 9600 as that is what the D8/D16 communicates on.

4. The TCP Port to accept connections should be set to 2401.
This port number can be anything, but recommended to use the default 2401.

5. Once the settings have been entered, click on the 'Send Settings (to IP232)' button.
This will apply all the settings to the IP232 Ethernet to serial bridge.



6. Ensure the serial port is plugged into your D8/D16 panel. (which is supplied with the IP232 Module - K-6002D)

Black = PIN5
Blue = PIN2
White = PIN3

CONFIGURING D8/D16 SETTINGS

1. Enter installer programming mode on the panel keypad.

P [master code] E (eg. P 123 E)
P [installer code] E (eg. P 000000 E)

2. Enter P199E and enable the following options:

1E ON: Send Address.
2E ON: Send Time Stamp
3E ON: Send Alarms.
4E ON: Send Warnings.
5E ON: Send Access Events.
6E ON: Zone Seal State
7E ON: Send Test ASCII String

3. If you want to control the Panic, Medical & Fire then you need to make sure you have the following programming locations enabled in the D8/D16.

P 126 E
1E ON: (Double key PANIC)
2E ON: (Double key FIRE)
3E ON: (Double key MEDICAL)

P 62 E
4E ON: Shortcut Keypad Panic

P 64 E
7E ON: Keypad Fire Alarm (STD LCD KP) 8E ON: Keypad Medical Alarm (STD LCD KP)

4. To control any of the 8 AUX outputs then you need to make sure the following programming options are enabled in the panel:

P 141 E Option 4 needs to be enabled for AUX1 Control
P 142 E Option 4 needs to be enabled for AUX2 Control
P 143 E Option 4 needs to be enabled for AUX3 Control
P 144 E Option 4 needs to be enabled for AUX4 Control
P 151 E Option 4 needs to be enabled for AUX5 Control
P 152 E Option 4 needs to be enabled for AUX6 Control
P 153 E Option 4 needs to be enabled for AUX7 Control
P 154 E Option 4 needs to be enabled for AUX8 Control

5. To control Home / Monitor mode you need to add zones in P 51 E (Home Mode Zones)

ADDING AN D8/D16 TO THE GATEWAY

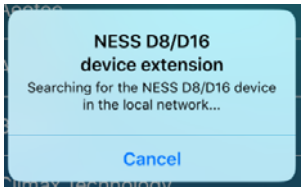
1. Ensure your gateway is setup and working before adding the D8/D16 panel to the gateway.

2. Ensure your IP232 module, and D8/D16 panel is setup and configured.

3. Tap on ‘Device’ from the main screen, and click on ‘Add a Device’.

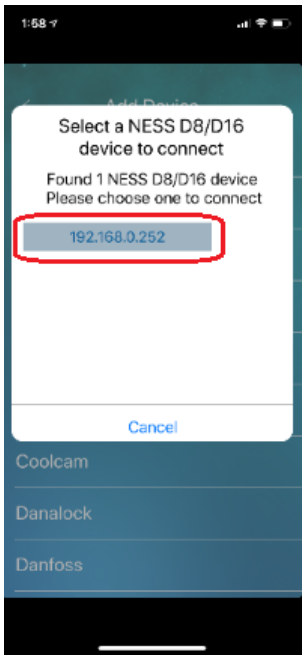
4. Tap on ‘Ness D8/D16’ from the list.

5. The gateway will then begin scanning your network for the IP232 module automatically.



6. After the scanning is complete, it will display all the IP232 modules that it found from your network. If multiple IP232 are on your network then it will display them all in the list.

7. Tap on the IP232 module that it found which is connected to your D8/D16 panel.



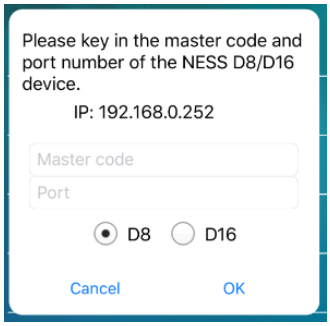
8. Enter in the connection settings.

Master Code
Enter in a user code which is programming in your D8/D16 panel. This can be any of the user codes in your D8/D16 panel. Refer to the D8/D16 installation programming manual on how to program user codes into your panel.

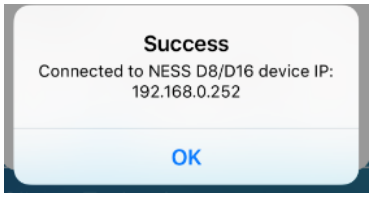
Port
This is the IP232 modules Port number.
By default it is 2401. Refer the section 'Configuring IP232 Module', step 5 (point 4) in this installation manual for what port has been enabled.

D8 / D16
Select the panel you are using.

Then click on OK.



9. You will then get a success message if the connection was successful.



10. The device will then display under the ‘Device’ button.

11. Your D8/D16 panel is now setup and working with your gateway.

D8/D16 Alarm Notifications

Once a Ness D8/D16 security system is added to the G1 Gateway, notifications can be setup and configured so you know which zone went into alarm. To make this happen you need to create a scene for each zone. You don't actually need to create a THEN in the scene as long as you have an IF condition, and the bell icon enabled.

Generic in alarm

You can create a 'generic' in alarm notification, so no matter what zone has gone into alarm it will notify you. You would only need to create 1 scene to make this work.

Per zone in alarm

You can create a per zone in alarm notification. This will make it so you can get notified for each zone that goes into alarm, however this will require a scene to be created for each zone. This will also require the system to be in alarm while the zone is validated. (eg. Delay zone would need to unsealed at the end of entry time)

It is recommended that if you use the per zone in alarm notification, then you also first create the generic in alarm notification as well. It is also recommend to create the generic in alarm notification and then add the per zone notifications in that order. Doing it in the other order (per zone and then generic alarm) won't trigger the per zone in alarm notification and you will only get the Generic in alarm notification.

An Example of creating a per zone in alarm notification:

Give the scene a name. This name will be used in the push notification.

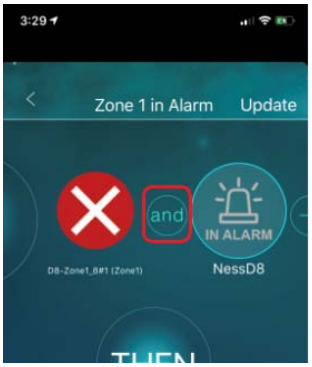
Select the IF condition and then select 'Device'
Select the zone, in this example we are going to use Zone 1.
Select the Unsealed option and tap OK.

Tap on the Plus (+) button to add another condition.
Select ‘Device’ and select the NessD8 option. You may need to slide across the menu to find this option.
Select the ‘In alarm’ icon and tap on OK.

Tap on the ‘or’ button so it shows ‘and’ like shown in the right image.

Now Zone 1 AND system in alarm need to be triggered before this scene can trigger.

Tap on the ‘update’ button up the top right
(No need to add a THEN or WHEN events.)



The scene should now look like the image on the right.

Make sure the bell icon is enabled.
Close the app and arm the panel and trigger the zone. As long as the zone is violated while the system is in alarm the push notification will display.

If you are triggering an entry delay zone, then it is recommend not to have the zone as per of the IF condition in the scene, and only have the ‘in alarm’ condition in the scene.