NESS G1 ZWAVE GATEWAY

Supports D8/D16 Panels

Part Number: 101-800 | Revision: 1.1

INSTALLATION GUIDE

Contents

GENERAL PRECAUTIONS

- Keep the unit more than 1 m away from radio or TV.
- Keep the unit wires more than 30cm away from AC100-240V wiring. AC induced noise and/or unit malfunction could result.
- Install the unit in an area that will be accessible for future inspections, repairs, and maintenance.
- The unit can be damaged if dropped. Handle with care.
- The unit turns inoperative during power failure.
- In areas where broadcasting station antennas are close by, the system may be affected by radio frequency interference.
- All the units are designed for indoor use only. Do not use outdoor.
- Do not use product as a security system and use it for automation purposes.
- For wiring, specify CAT5e / CAT6 straight cable.
- Do not locate the units in a location with restricted access. It impedes maintenance inspection or repairs. Also, unit trouble could result.
- If the wrong power supply is used it could damage the product(s) and will void your warranty on the product.
- Do not install in a metal housing, or next to any radio antennas.
- Do not mount gateway in final location until it's paired into smart phone as you may need to access the details on the back of the unit.

NOTICE

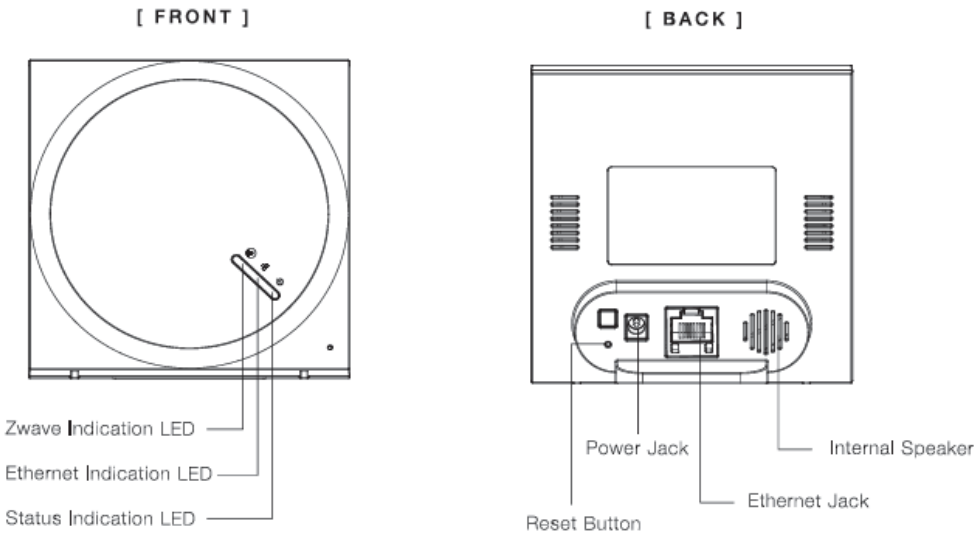
- We will under no conditions be liable for:
    - Damage that occurs due to failures in network equipment; failures due to internet providers and cell phone companies; failures such as disconnected lines and other losses in communication, which render it impossible to provide this service or in any way delay this service due to causes outside of our responsibility; or if an error or missing data occurs during transmission.
    - Damage that occurs due to the inability to communicate due to malfunctions, problems, or operational errors in this product.
    - Damage caused if a customer's password or transmitted information are leaked through bugging or unlawful computer access over Internet communication.
    - Any damages or losses resulting from this product's contents or specifications.
    - Damage caused by the installer or customer powering up the unit with the wrong power supply. It's the installers responsibly to double check to ensure the correct power supply is being used.

- Please note that:
    - Images depicted in this manual may differ from the actual images.
    - This manual may be revised or changed without prior notice.
    - Product specifications may be changed for the sake of improvement without prior notice.
    - It is the customer's responsibility to ensure that their computer, phones and network is secure. We will under no conditions be liable for security failures.

- This system is not intended for life support or crime prevention.

- It is just a supplementary means of conveying information. We will under no conditions be liable for loss of life or property which occurs while the system is being operated.

WIRING



APPS

- Apps are available for both Android and iOS.
- Apps may be removed or replaced with or without notice.

Search Google Play and Apple App Store for **Ness zComms**.

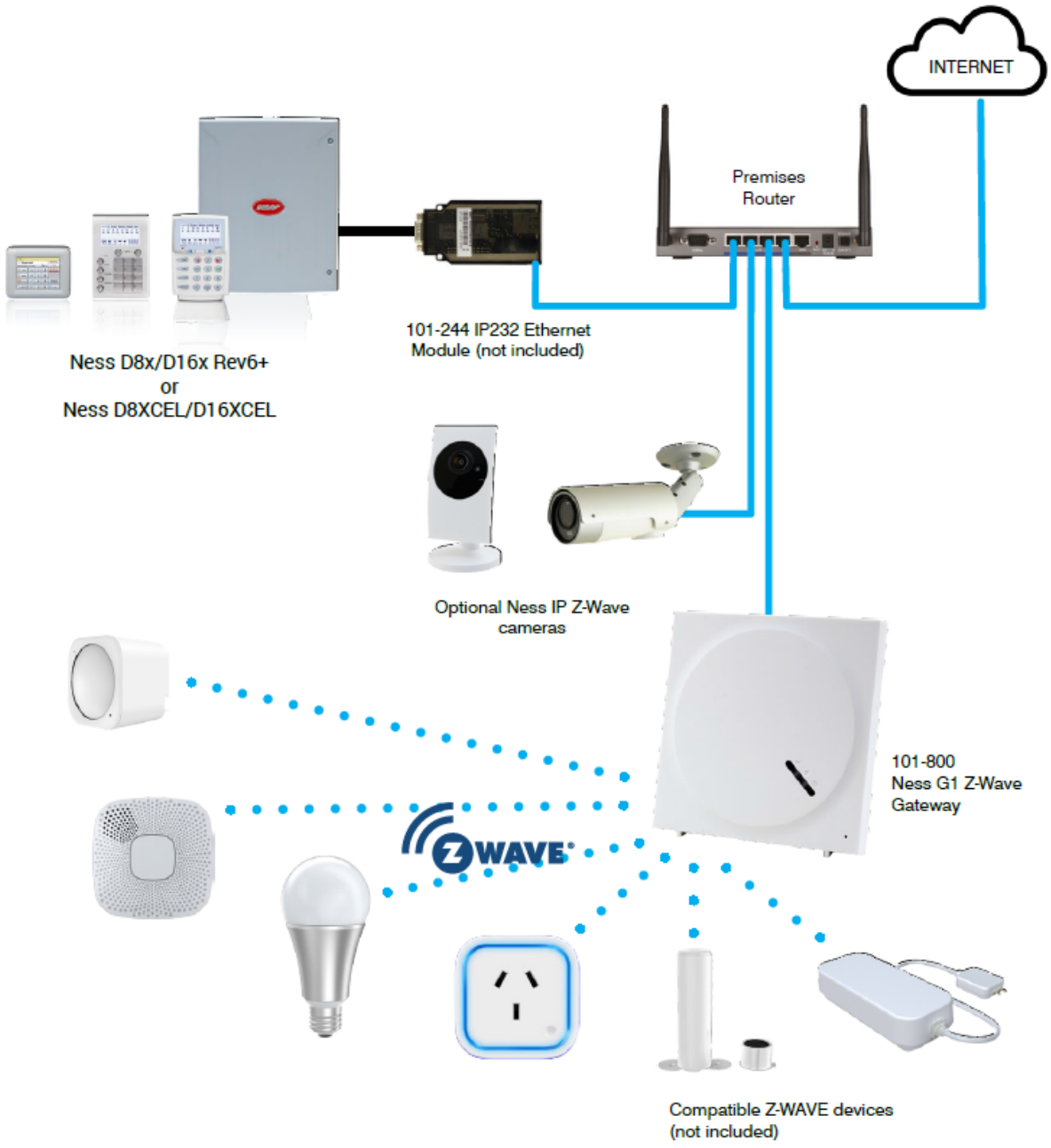
SPECS

Power Supply: 5vDC 1.5amp
Z-Wave Frequency: 921.42MHz
LAN: 10/100/1000
Maximum of Z-Wave devices: 120 (in total).
Number of extended Gateways: 20

SUPPORT

Technical support is available from Monday to Friday (8:30am to 5PM)
Phone: 1300 551 991
Email: customerservice@ness.com.au

TYPICAL CONFIGURATION



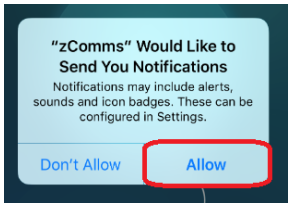
SETTING UP GATEWAY FOR FIRST TIME

1. Plug in the LAN cable into the back of the Z-Wave gateway, and plug the other end into your computer network, which has a DHCP server running. (Such as you network router).

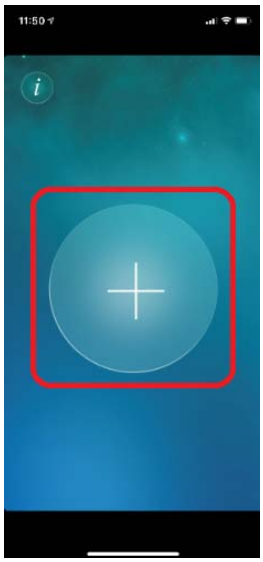
2. Power up the unit and wait approx 1-2 minutes for it to fully boot up.

3. Download and open the Ness zComms app on your Android or iOS device.

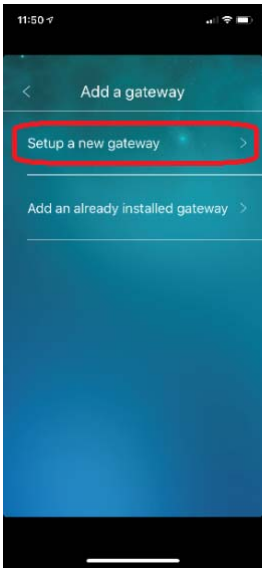
4. If you are prompted, accept the notifications permission. This allows push notifications on your device when an event occurs on the gateway.



5. Tap on the plus (+) icon in the middle of the screen to add your gateway.



6. Tap on 'Setup a new gateway' from the list.



7. Select ‘Gateway’ from the list.

8. Confirm the gateway is powered up with a solid Red LED, and click ‘Continue’.

9. Enter in your devices details.

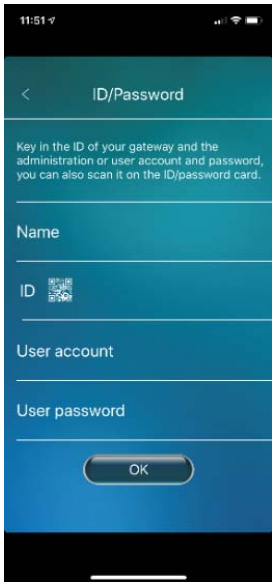
Name
Enter any name you like to identify this unit as.

ID
Scan the QR Code on the back of the gateway or scan the QR code that come with this gateway.

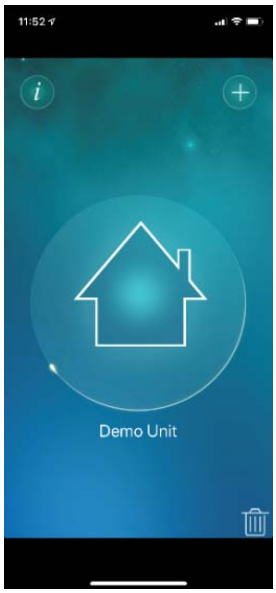
User account
Enter admin as the user account

User Password
Leave this blank.

Tap on OK to begin setting up this gateway.



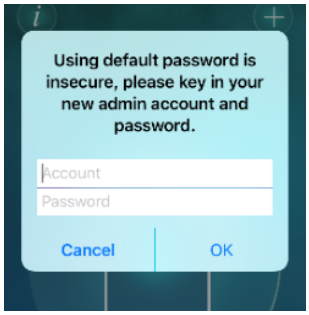
10. If successful it should display a Home icon with your gateway name under it.



11. Tap on your gateway in the app, and it will connect to it.

12. When you connect for the first time, it will ask you to set a new admin username and password.

Enter in a new admin username and password, but make sure you remember what it is for future reference.



13. The gateway is now setup and ready to be used.

If adding a D8/D16 panel to the gateway, then please refer to the D8/D16 setup section in this user manual.

CAMERA

You can pair unlimited number of cameras to your gateway. These cameras need to be either the Indoor or outdoor Ness IP Z-Wave Cameras. (101-803 or 101-804) Other IP Cameras are not supported.

101-803
NESS 722 Z-WAVE INDOOR CAMERA

101-804
NESS 727 Z-WAVE OUTDOOR CAMERA

Smart WiFi Setup

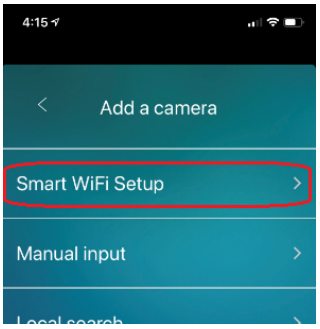
This feature allows the IP camera to scan the QR Code from the app to add it to the system.
If you are connecting the IP camera to your WiFi then select this option.

This feature is only supported on the 101-803 Camera only. (Not supported on the 101-804).

1. Power up your camera without plugging in the LAN Cable, and wait approx 1-2 minutes for it to fully power up.

2. Remove the protective plastic cover from the camera lens.

3. Select the option 'Smart WiFi Setup'. Then press the Next button icon up the top right.



Note:
Your phone needs to be connected to the WiFi network you are planning to connect the IP Camera to.

4. When prompted, enter in the WiFi Password to your WiFi Access Point and press OK.

4. Press the WPS Button on the side of the camera.

The LEDs on the side of the camera should be flashing.

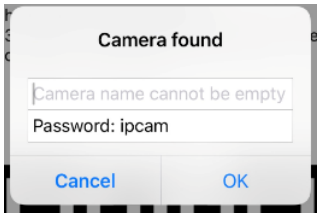
5. You now need to have patience with this next step.

Hold your phone screen which has the QR Code facing the IP Camera so the camera can view the QR Code.

You need to have the phone approx 10-30cm from the camera. You may need to move it back and forward for it to read the camera.

When the camera successfully reads the QR Code, then the camera will beep.

6. Once successful it will prompt you to give the camera a name.



7. The camera is now paired into the gateway.

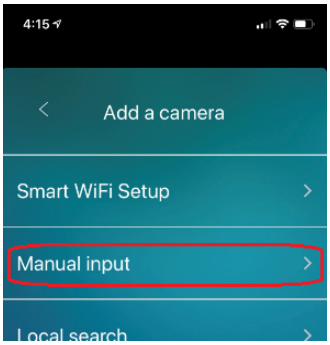
Manual input

Rather than scanning the QR Code, you can manually enter in the ID and Password of the IP Camera.

1. Power up your camera with the LAN Cable plugged in, and wait approx 1-2 minutes for it to fully power up.

2. Make sure the IP Camera is connected to the same network as your phone.

3. Select the 'Manual Input' option in the app.

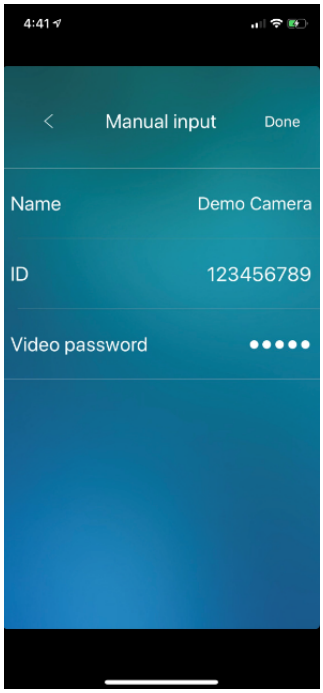


4. Give the Camera a name.

5. Enter in the ID number of the Camera from the ID/Password card. CamID can also be found on the sticker on the camera.

6. Enter in the password of your camera from the ID/Password card.

7. Click 'Done' and now the IP Camera will be added.



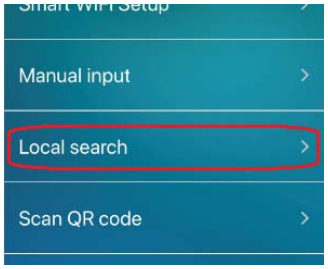
Local Search

This feature will scan your local network looking for any of the supported IP cameras. Requires the IP camera to be connected by a LAN cable to be found.

1. Power up your camera with the LAN Cable plugged in, and wait approx 1-2 minutes for it to fully power up.

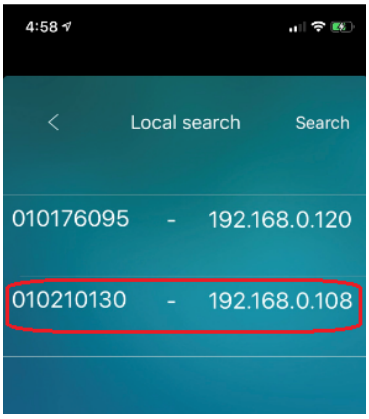
2. Make sure the IP Camera is connected to the same network as your phone.

3. Select the 'Local Search' option in the app. The gateway will begin scanning your network for the IP Cameras.



4. Select the IP Camera from the list you want to add.

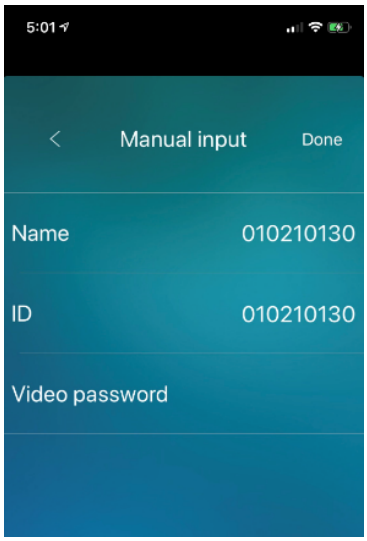
Note: After tapping the camera it may take a moment to move onto the next screen.



5. Give the camera a name.

6. Enter in the Video Password. This is the same password as on the ID/Password card that comes with the camera.

7. Camera is now added.



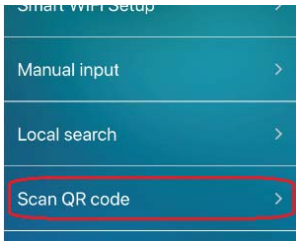
Scan QR Code

This scans the QR Code that come with the IP camera. Requires the IP camera to be connected by a LAN cable for the app to connect to it.

1. Power up your camera with the LAN Cable plugged in, and wait approx 1-2 minutes for it to fully power up.

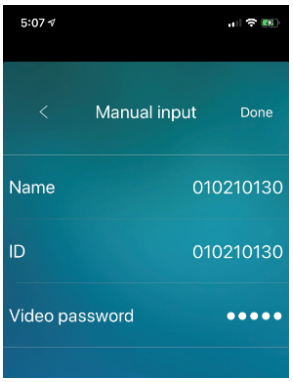
2. Make sure the IP Camera is connected to the same network as your phone.

3. Select the 'Scan QR Code' option in the app.



4. Scan the QR Code Card that come with the IP Camera.

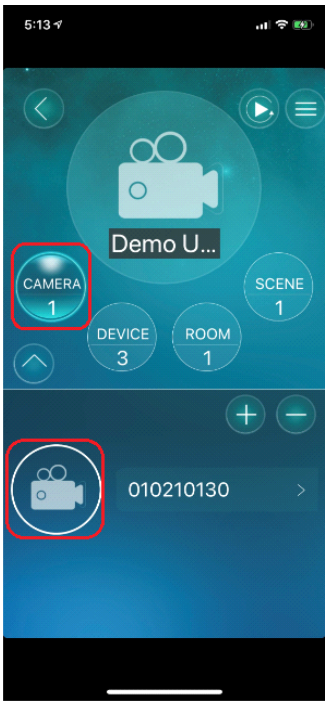
5. The fields should be automatically filled in. If so, tap on the 'Done' button, and the IP Camera is now added.



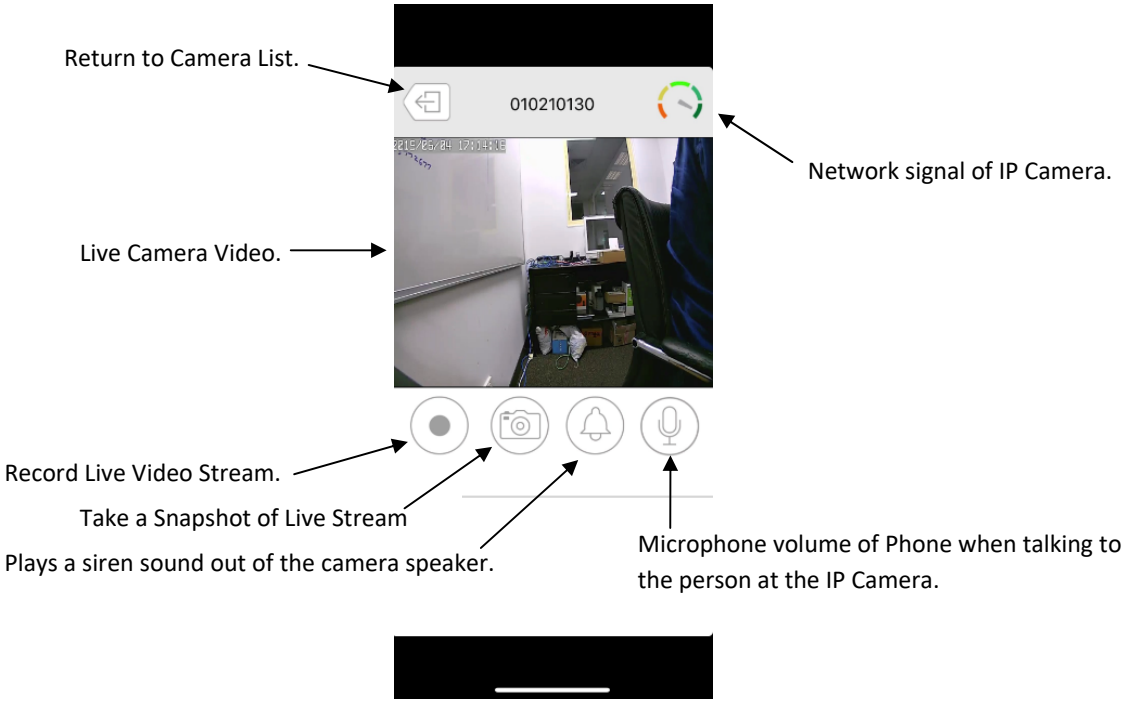
LIVE VIEW IP CAMERA & LIVE VIEW CONTROLS

1. Once the IP Camera has been added, tap on the Camera icon.

2. Select the camera image (logo) to begin the live stream of the camera.



3.

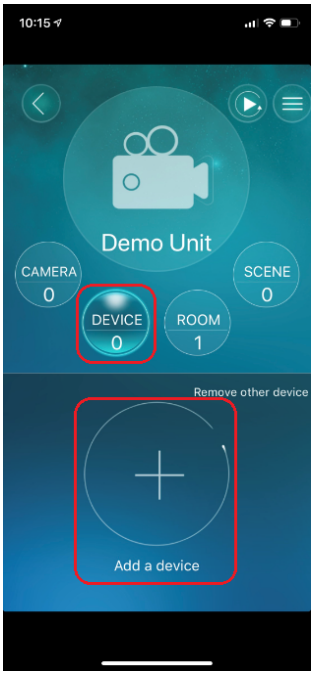


Note: To record the video, an SD card (sold separately) must be inserted into the camera.

PAIRING Z-WAVE DEVICES

You can pair up to 120 Z-Wave devices per system.

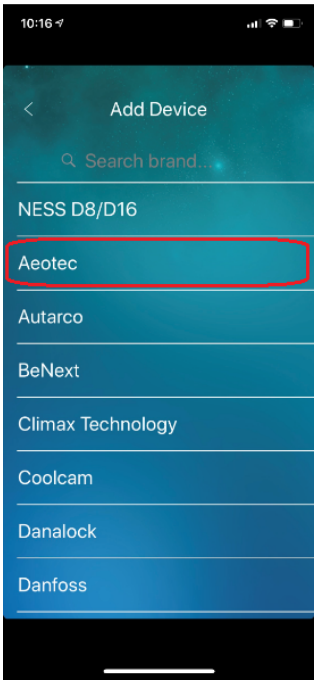
1. Select device from the main screen, then tap on the plus icon.



This section in the installation manual is about paring Z-Wave devices.

If adding a D8/D16 panel to the gateway, then please refer to the D8/D16 setup section in this installation manual.

2. Select the manufacture of the Z-Wave device.



In our example, we are going to pair a Aeotec SmartSwitch 6 (Model ZW096-B09)

Based on our example, we select Aeotec as the manufacture.

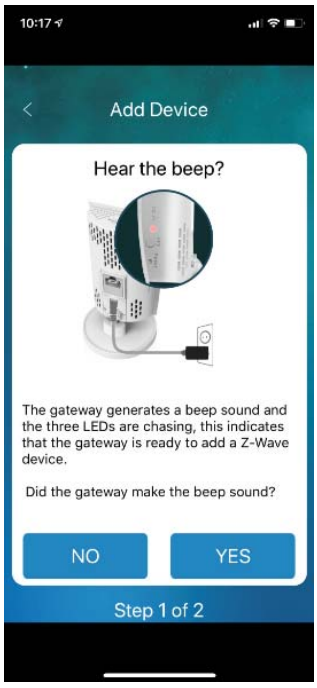
3. Select the Z-Wave module you are pairing.

In our example we learning in the Aeotec SmartSwitch 6 (Model ZW096-B09), so we select ZW096 as the model.

Note:
Before you tap on the Z-Wave device in the app, make sure you are near the Z-Wave gateway, as it will play a beep sound and you need to confirm it in the next step.

4. The Z-Wave gateway will then play a beep sound.

If you heard the beep sound, click on 'Yes'.

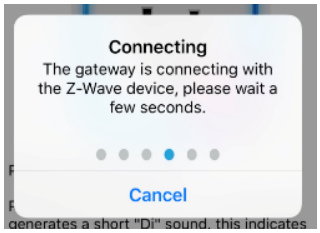


5. Press the Z-Wave learn button on the device you are pairing in.

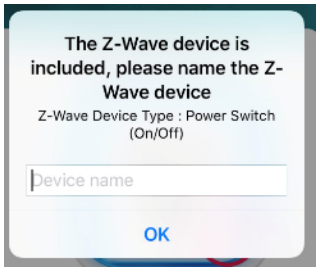
Depending on the Z-Wave device will depend where the learn button is. Check the installation manual for the Z-Wave device you are learning in to find where the learn button is.

6. When you press the learn button on the Z-Wave device, it will play a small beeping sound on the gateway. If you heard this beeping sound, then click on 'yes' to confirm the paring process.

7. The gateway will then begin the paring process.



8. Give the Z-Wave device a unique name. This is the name of the device you will see in the app.



9. The new device will then display in the app, and pairing is complete.

EXCLUDING Z-WAVE DEVICES

This section will explain how to remove a Z-Wave device that was paired already in the gateway.

1. Tap on 'Device' from the main screen and tap on the minus button.

2. Select the manufacture of the device you are removing.

In our example, we are going to unpair a Aeotec SmartSwitch 6 (Model ZW096-B09)

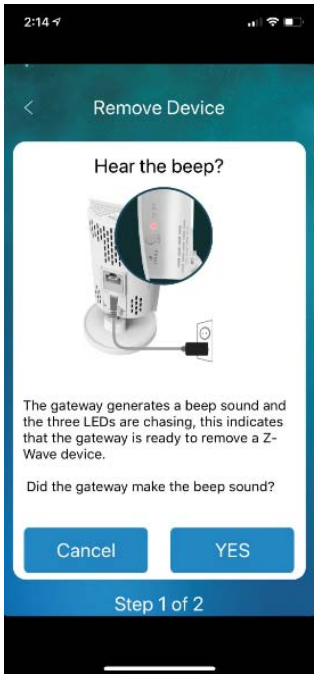
Based on our example, we select Aeotec as the manufacture.

3. Select the Z-Wave model you are removing.

In our example we unpairing in the Aeotec SmartSwitch 6 (Model ZW096-B09), so we select ZW096 as the model.

4. The Z-Wave gateway will then play a beep sound.

If you heard the beep sound, click on ‘Yes’.



5. Press the pairing button on the Z-Wave device. This will send the signal to remove it from your Z-Wave Gateway.

All devices have different pair/unpair locations, please refer to the installation manual of the Z-Wave device you are unpairing.

6. You will then hear a sound on the Z-Wave gateway.

Your Z-Wave device will then be removed from your Z-Wave Gateway, and ready to be learnt into another Z-Wave Gateway.

HOUSE MODE / ARMING MODES

House Mode can be accessed by tapping on the System status icon down the bottom of the main screen.

There are three house modes. Home, Away and Disarm.

House Mode can be used in two ways:

1. When using the scenes engine within the Z-Wave Gateway.

When using the scenes engine you can make Z-Wave devices behave differently when armed in the different modes. For Example, you may only want motion sensors to turn lights on when the system is disarmed.

2. When using with a D8/D16 panel with the Z-Wave Gateway.

When using a D8/D16, the Z-Wave Gateway will follow these modes and will be in sync.

For Example, if you change the house mode in the Z-Wave Gateway to ‘Away’, then the D8/D16 panel will also arm to ‘Away Mode’. If you disarm or arm in ‘Home Mode’ using the D8/D16 panel then the Z-Wave Gateway will also arm in that mode.

HOTKEY CONTROL

The Hotkey control is similar to a macro or a task. This allows you to control single or multiple things by pressing the one button. This is useful if you want to turn all devices OFF when you put the system in Away mode or turn devices ON when you disarm the system.

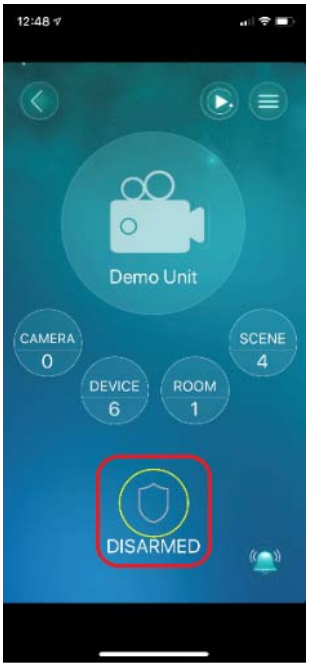
The hotkey control buttons can be found from the arm/disarm screen (House Mode).

The following example will show you how to make a simple hotkey to turn on a smart switch as well as unlock a lock.

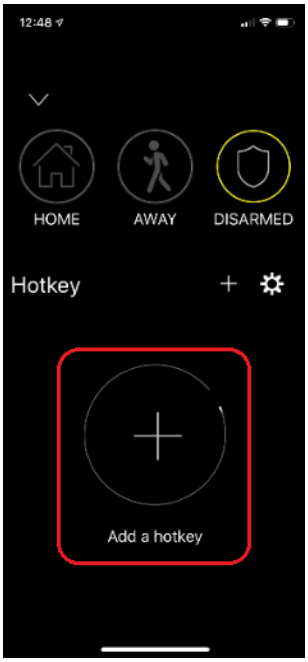
This example is going to assume you already have a device paired to the gateway.

Adding Hotkey

1. Open the Hotkey page by tapping on the system status button on the main screen.



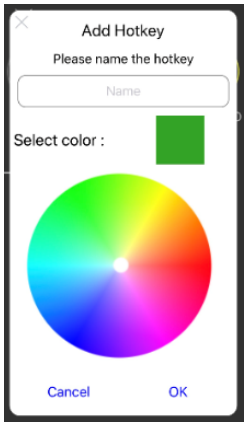
2. Tap on the plus (+) icon to add a new hotkey.
(or you can tap on the smaller plus icon as well)



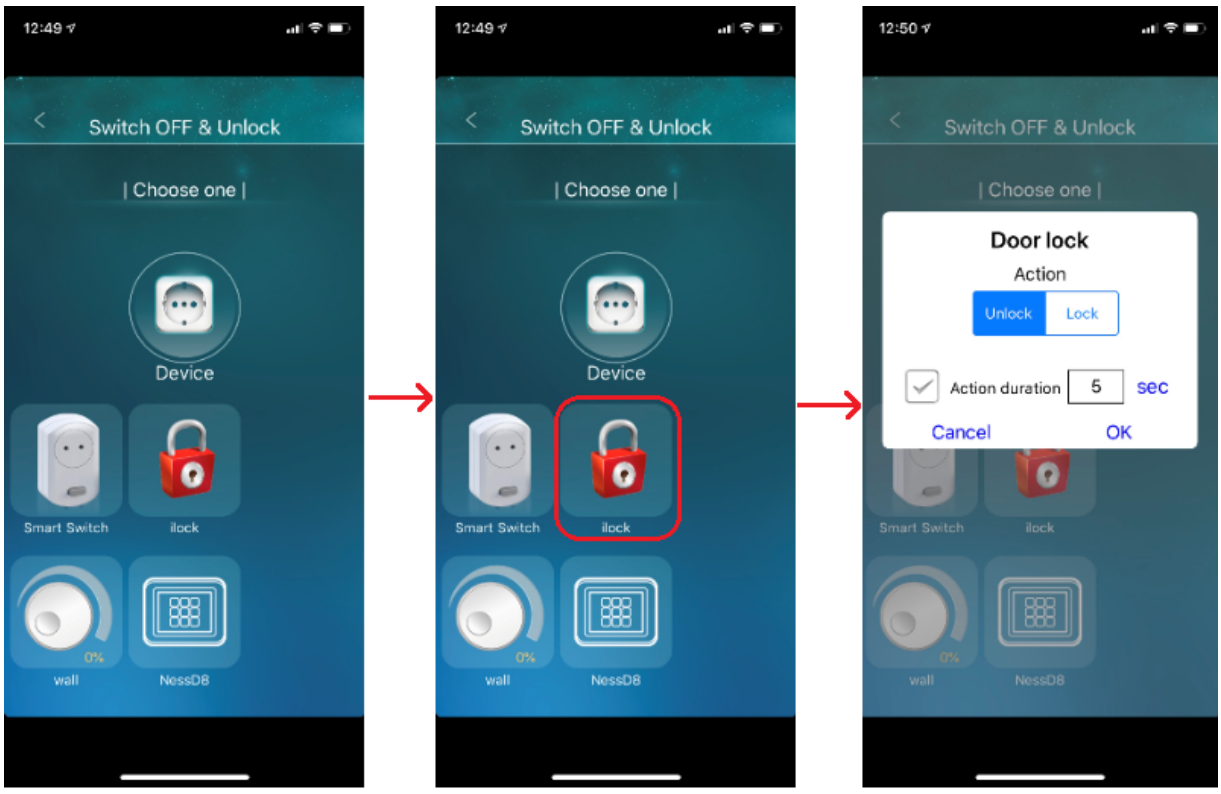
3. Give the hotkey a name. This will be displayed on the button.

4. Select a colour for this hotkey. This is the colour of the button.

5. Press OK when done.



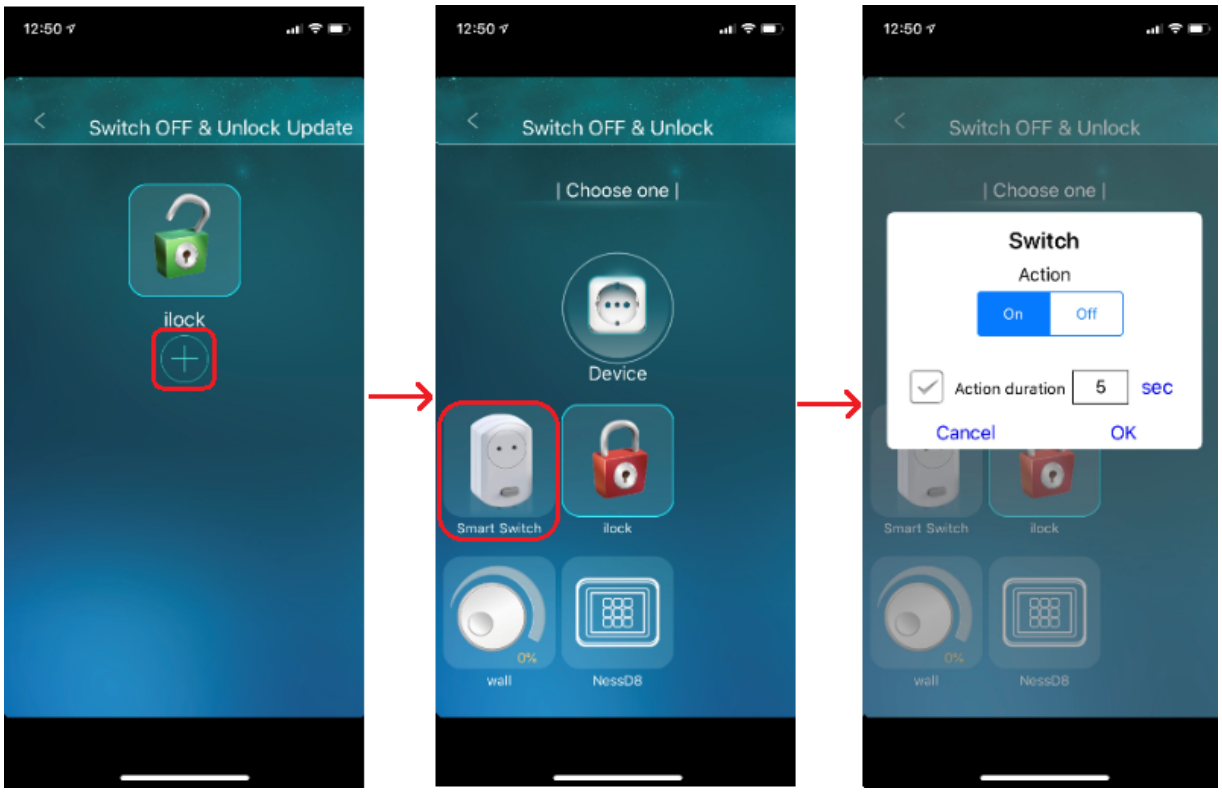
6. Select the device you want to control when this hotkey is pressed.
In our example since I am going to turn a smart switch ON and unlock the door lock I will select ‘Device’ then select the iLock and set a unlock time.



7. Now the lock is added to the list.

8. You can now add another device to this Hotkey by pressing the + icon at the bottom of the last item that was added.

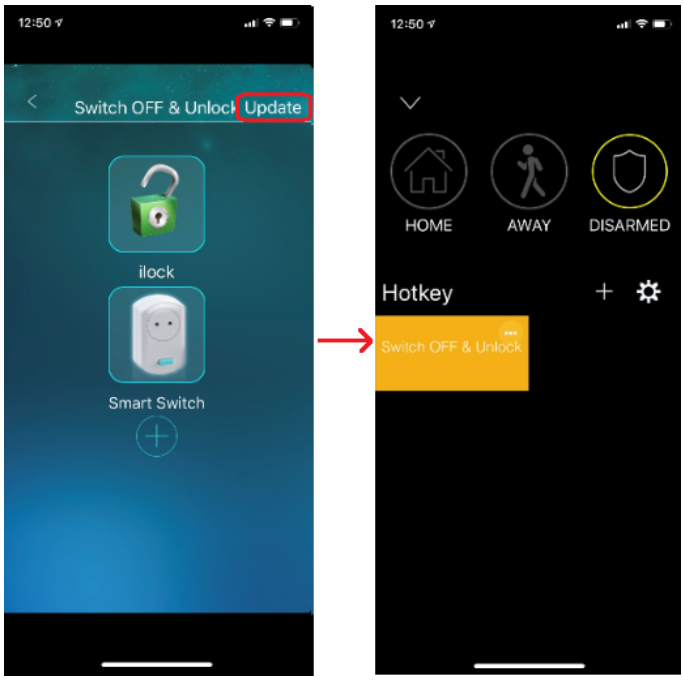
9. Since I am also wanting to control the Smart switch I tap on the + icon and then select the Smart switch, then set a unlock time and tap on OK.



10. Now you would have 2 devices added to this hotkey.

11. When you have finished adding devices, tap on the ‘Update’ button up the top right and the hotkey will be saved.

12. The Hotkey will then be added.

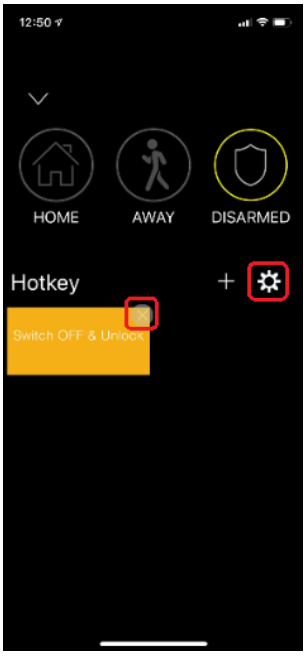


Deleting Hotkey

1. Open the hotkey screen.

2. Select the gear icon.

3. Tap on the cross up the top right of the button to delete it.

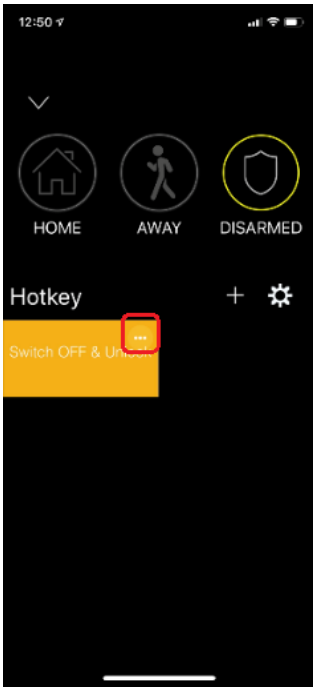


Editing Hotkey

1. Open the hotkey screen.

2. Tap on the 3 dots up the top right of the button you want to edit.
If the button shows a cross, then tap on the gear icon.

3. Edit the devices you want to control when this button is pressed.



Note:
To edit the name of the button, you will need to delete the hotkey and then add it again.

You can move the hotkey buttons around by taping and holding the button and drag it around the screen to move it to a new location.

SCENES ENGINE

The scenes engine is similar to a rules engine, which makes things happen when events occur on the gateway.

You can have up to 60 Scenes per system. Each scene can have up to 6 events and 12 actions.

A scene is made up of an IF, THEN, WHEN. However, you don't need to use all 3 in a scene. A scene can have a IF and an THEN. Or it might only have a IF with no THEN or WHEN. This can be useful when only wanting to get notifications when an event occurs without running a THEN in the scene.

Edit Scene
To edit a scene, simply tap on the scene icon up the top left of the scene. This will take you into the IF, THEN, WHEN section and you can modify the scene.

Delete Scene
You can delete the scene by swiping the scene to the left, or clicking on the minus icon up the top of the scene list. A delete button will then appear next to each scene and you can delete it. Once a scene has been deleted you can't undo the delete function and you will require to create the scene again.

Disabling Scene
You can disable the scene without deleting it by tapping on the 'running' toggle button. This will enable and disable the scene.

Manually Activating Scene
You can manually activate the scene by taping on the 'Action' button. This will run the scene. This will check the WHEN/IF function and if it meets the condition it will trigger the THEN function of the scene.

Rename Scene name / Changing Scene Icon
You can change the scene icon/image by tapping on the gear icon and choosing Choose picture. This will then display your phones photo album and you can choose a new image.

Bell Icon / Notification
When the bell icon is enabled, it will display a notification every time the scene is triggered.

Note: The main notification bell icon on the main screen down the bottom right must also be enabled for any scene notifications to display.

Add a scene

As an example of a scene:

SCENE 1
WHEN: System Armed Away
THEN: Turn OFF Z-Wave device.

SCENE 2
WHEN: System Disarmed
THEN: Turn ON Z-Wave device.

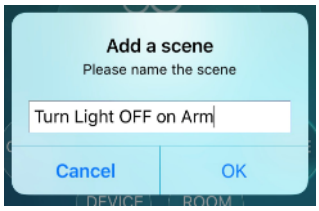
Below is a simple scene on how to turn a Z-Wave device on/off based on the Arm status of the gateway.

In this example, we are going to make the Z-Wave Smart Switch turn ON when the system is disarmed, and turn OFF when the system arms away. For this to happen you need to write 2 scenes. One for turning the Smart switch ON, and another to turn it OFF.

1. From the main screen, tap on the 'Scene' button. Then click on the plus icon to add the scene.

2. It will then prompt you to give the scene a name.

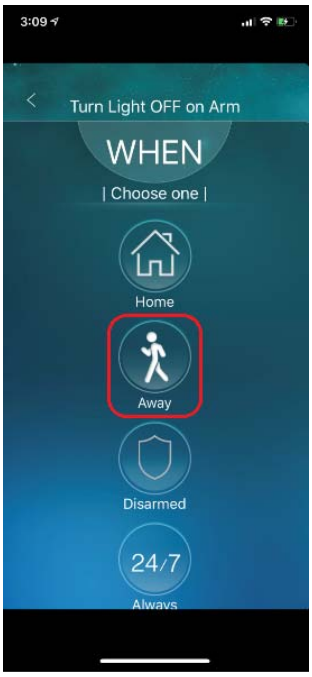
This name can be anything.
In this scene we are going to turn the light OFF when the system arms.



3. As we want to turn the Smart Switch OFF when the system arms, we select WHEN.

This will be our trigger for the scene.
"WHEN something happens.."

4. Now you need to select 'Away', as we want to make it when the system is armed away.



5. Select the ‘THEN’ button.

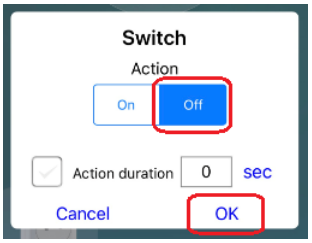
This will do the action part of the scene.

“Then do..”

6. Select the Z-Wave device you want to control.

In this example, since we are going to turn OFF the smart switch we would select the Smart Switch from the paired devices.

7. Select the OFF switch and tap on OK.



8. Tap on the ‘Update’ button to apply the new scene to the Gateway.

9. The new scene will then appear in the list.

The above scene will only run when the system arms in Away mode.

To make it turn the device ON, you would need to create another scene, but this time step 4 you would select ‘Disarmed’, and step 7 you would select ‘ON’.

Then you can test it by setting the Gateway to Arm and Disarm modes and you would see the Z-Wave device trigger.

ROOM

A room can be used to assign devices to it.

For example, if you have 50 devices paired into your gateway then you can assign each device into a room to help find each device.

You can also have the history statistics of temperatures, humidity, brightness and power consumptions for each room if there are the sensor devices in that room.

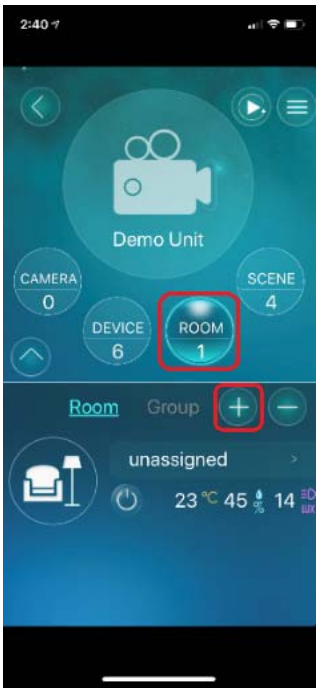
The power consumption is the total power of all the Z-Wave devices in that room that can provide the power consumption information. The display of the statistics could be the last day or the last 30 days.

The maximum number of allowed rooms plus groups together in a single gateway is 40.

Create a Room

1. Select the 'Room' button from the main screen.

2. Select the plus icon (+)



3. Give the room a name.

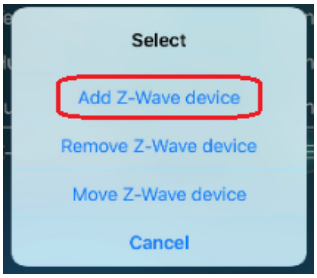
Add device to a Room

1. Select the ‘Room’ button from the main screen.

2. Tap on the room name from the list.
(Tap on the name of the room and not the icon)

3. Tap on the menu button next to ‘Z-Wave devices’.

4. Tap on ‘Add-Z-Wave Device’



5. Select the device from the list you want to add.

You will see a tick next to the device as you tap on it which will be included in the group.

6. Tap on OK once you have added all the devices.

Remove device from a Room

1. Select the ‘Room’ button from the main screen.

2. Tap on the room name from the list.
(Tap on the name of the room and not the icon)

3. Tap on the menu button next to ‘Z-Wave devices’.

4. Tap on ‘Remove Z-Wave Device’

5. Tap on the device you want to remove from the room.

Note this does not delete the device from the gateway and will only remove it from the room.

EVENT HISTORY

The event history of all the device triggered events, scene triggered events, house mode changed events and SD/NAS/Cloud recording events (for camera gateway only) is displayed easily in the App.

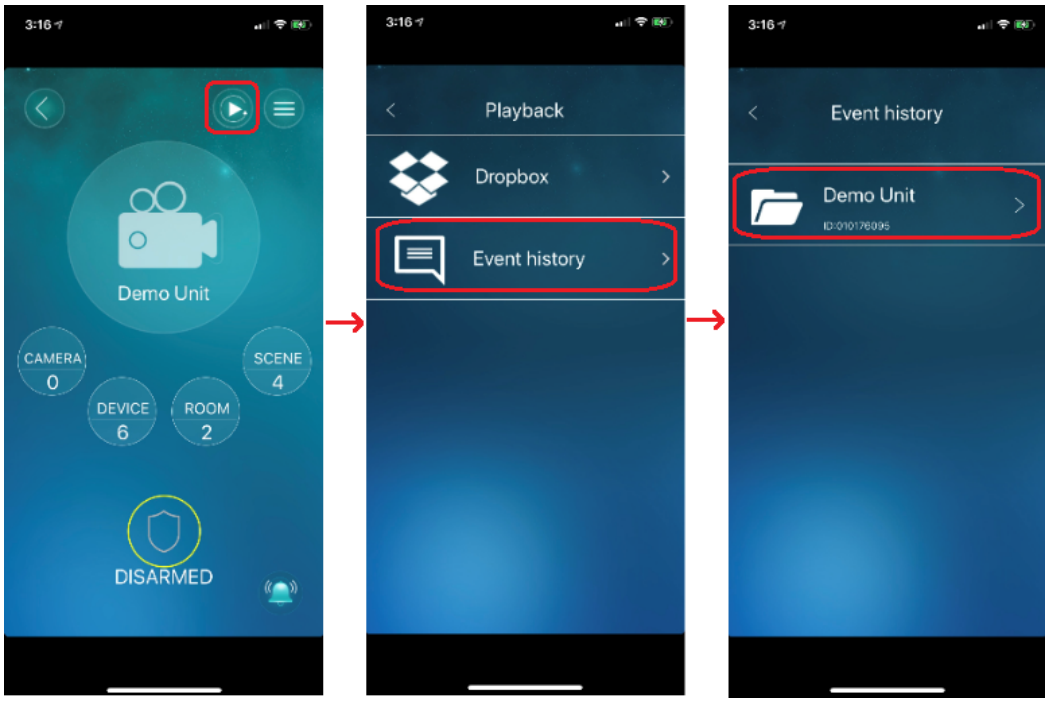
You can also search for specific key word and list all events with that key word by clicking the search icon.

The maximum number of events for the gateway is 1000 events. The oldest events will be cyclically replaced by new events when the maximum number of events are reached.

New events are displayed at the top of the list.

Accessing Event Log

1. Tap on the History icon (looks like a play icon in a circle)
2. Select ‘Event history’
3. Select your Gateway from the list to view the event history.



4. The event history will then be displayed.

5. To filter by selected events, tap on the menu icon up the top right and choose which events you like to view and only those devices will show in the event log.

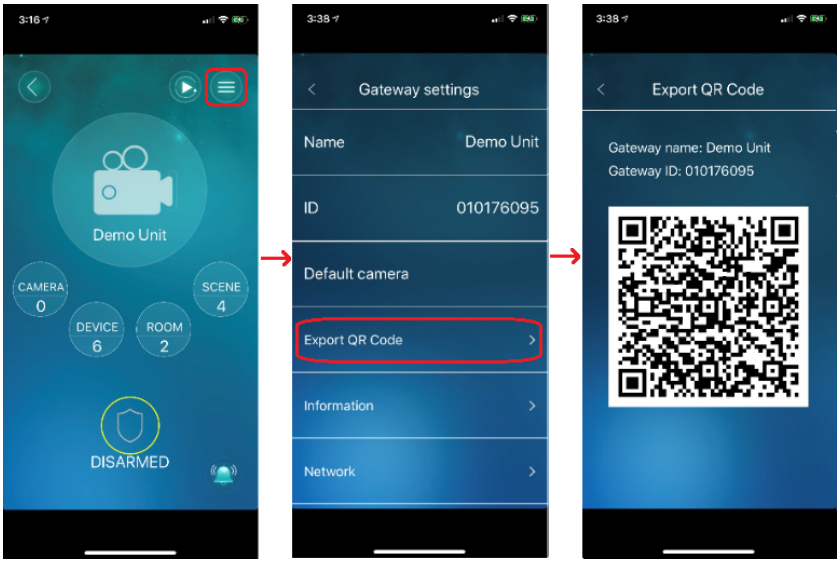
QR CODE EXPORT / COPY SETTINGS TO ANOTHER DEVICE

The gateway administration account and the video password of the camera gateway can be exported in a QR Code.

This QR code can be sent to your family members to add the gateway or could be saved as a backup for your usage in the future, or could even be sent technical support to do a live check of your gateway.

This can be found from the menu icon on the main page and then choose ‘Export QR Code’.

To export the QR, you would need to take a screenshot of the phone and send the attached image as an attachment in an email.



NOTIFICATIONS

There are many different alarm notifications you could set on the gateway so that you could receive the notifications on your phone when different situations happened.

On each Z-Wave device, the notification could be triggered on the following conditions:

1. Sensors - when it is trigged, like the PIR sensor, flood, smoke, contact sensor. Or when it exceeds a specific range of values, like temperature, humidity, brightness or even wind speed sensor.

2. Battery devices - could be triggered when battery is lower than a specific percentage.

3. Switches, power plug, color bulb or curtain - could be triggered when on/open or off/close, or when adjusted to a specific range if the multilevel function is provided for the device.

4. Door lock - could be triggered when it's locked or unlocked.

To enable and disable notifications, simply tap on the bell icon for the device you like to get the push notification for.

You can disable all notifications (except for D8/D16 arm/disarm notifications) by tapping on the bell icon on the main page. This will disable all the notifications you have enabled throughout the app.

Note:
For the house mode (arm/disarm), the notification is always enabled when the house mode (arm/disarm) is changed, and cannot be disabled unless you disable the entire app's push notification from the phones system settings on your device from the settings app on it.

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.

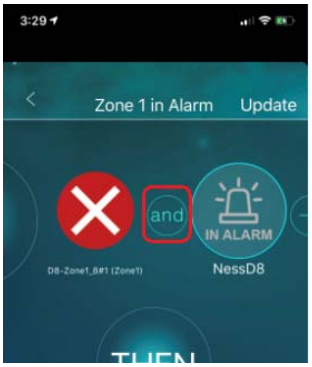
Select the IF condition and then select 'Device'
Select the zone, in this example we are going to use Zone 1.
Select the Unsealed option and tap OK.

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.

USER MANAGMENT

The user management allows you to create different users with different authorities.

The Hotkey authority will allow the user to be able to do the hotkey function only.

The control authority will allow the user to be able to control everything but not allowed to do any modifications

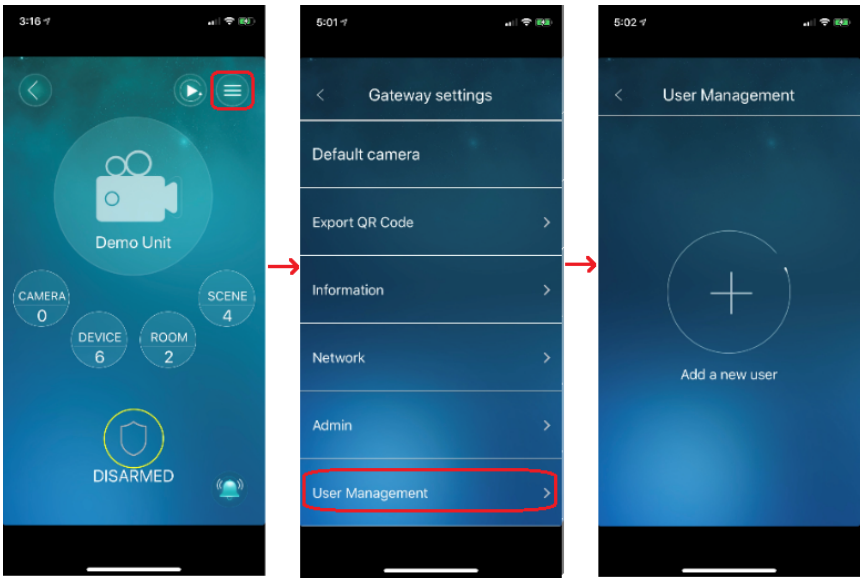
The settings authority will allow user to do everything and any modifications except the user management.

The video authority allows some users to see the video of the camera gateway.

Each user could be allowed to have a unique user code for the “lock/unlock” function of some specific door locks during some specific time periods. The user code number is displayed on each user’s settings page. When the user with hotkey authority logged in, he will only see the hokey screen, and not allowed to change the hotkey settings, this makes the house owner comfortable by giving only limited control of the Z-Wave devices in his house to his guest.

If you are using door locks like the Z-Wave Smart iLock (106-282) then you can add users into the lock and the user can unlock the door.

You can access the user management screen by tapping on the menu icon from the main screen, then tapping on user management from the list.



Z-WAVE BACKUP / RESTORE

All the Z-Wave device, room, group, hotkey, scene and user management settings on the gateway can be backed up to the cloud.

This is useful when you install all the necessary devices and you leave the site and the customer or kids modify or change a setting and now need to restore pervious settings.

To do the backup, just go to the settings page in the App, and under admin settings, click “gateway backup”, the gateway will then backup everything related to Z-Wave on the cloud.

To do the restore of all the backup, go to the settings page in the App, under admin settings, click “gateway restore”, then key in the gateway ID and the administration username of the gateway (the one that had backed up the settings), then everything will come back.

The backup/restore function could be done between gateways and camera gateways. This means that if a backup is done on a gateway and it goes faulty then you can restore the backup in a new gateway. The backup/restore function is allowed only for administration account of the gateway and not other user accounts on the 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

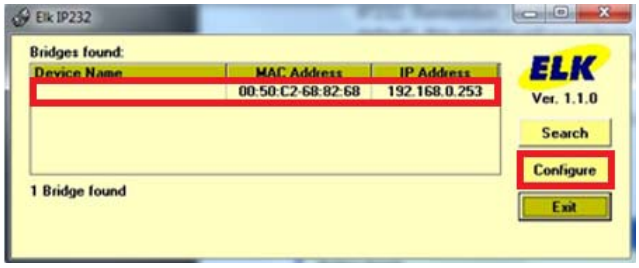
Before the D8/D16 can connect to the gateway, you need to configure the IP232 Module.

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.

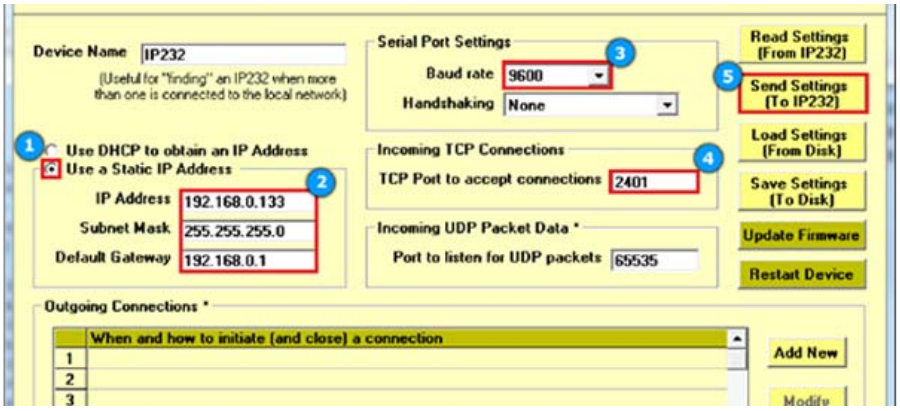
1. You need to make sure you set the IP address to a static IP address.

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)

SETTING UP AND ADDING AN D8/D16 TO THE GATEWAY

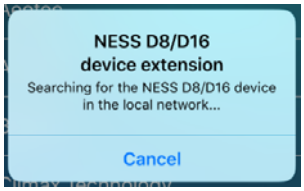
1. Ensure your gateway is setup and working before adding the D8/D16 panel to the gateway.

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’.

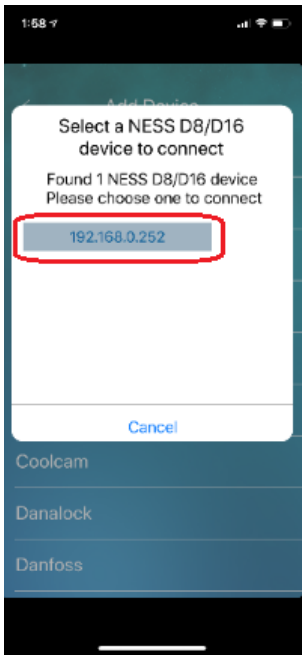
4. Tap on ‘Ness D8/D16’ from the list.

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.



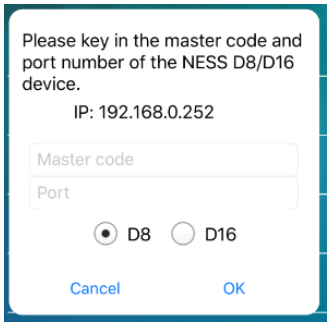
8. Enter in the connection settings.

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.

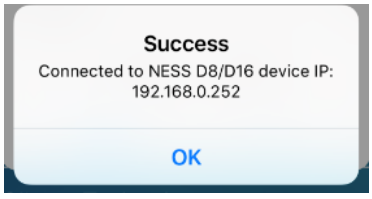
Port
This is the IP232 modules Port number.
By default it is 2401. Refer the section 'Configuring IP232 Module', step 5 (point 4) in this installation manual for what port has been enabled.

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.

DEFAULT UNIT

If you forget the admin user code you can default the unit.

To default the unit follow the following steps:

1. Power the unit up and wait approx 2-3 minutes for it to fully power up.
2. Press and hold the reset button for approx 5 seconds and release it.
3. Wait approx 5 minutes and the gateway will be defaulted and ready to be set up again.

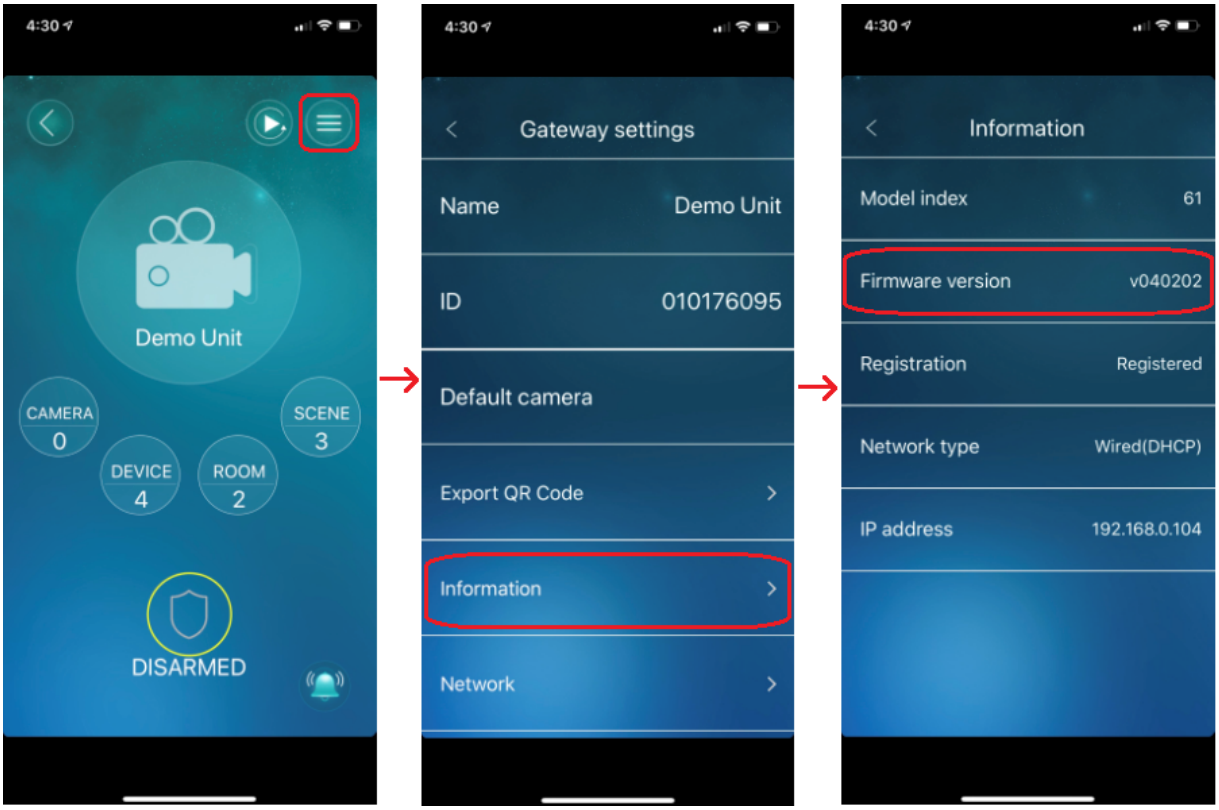
Admin login details will now be set as default (Admin / [no password])

Note: If you plan not to use the G1 Gateway at a later time, then it’s recommended that you delete the G1 Gateway from the app before you power it down, otherwise you won’t be able to stop the push notifications when the next person uses the G1 Gateway.

FIRMWARE

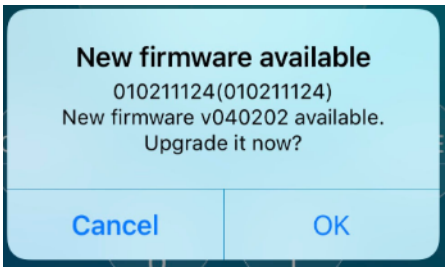
Checking what firmware is in G1 Gateway

To check what firmware is in your G1 Gateway, Tap on the menu icon up the top right of the main screen. Choose Information. This will then show what 'Firmware Version' you are running. If you are using a D8/D16 Security system or a Z-Wave Smart iLock (106-282) then you need to be running firmware version v040202 or above.



Firmware Update

In the future there may be firmware updates to add new features or to improve current features. When the update is available it will pop up on the screen when you open the app. This will allow you to automatically load the firmware without having to enter in any settings. Firmware updates are optional and not always required.



RELEASE NOTES

Release notes below are only for the G1 Gateway (101-800).
Refer to the App Store / Google Play for app release notes.

10/06/2019 v040202

- Added support for Ness D8/D16 panels
- Added support for Z-Wave Smart iLock (106-282)