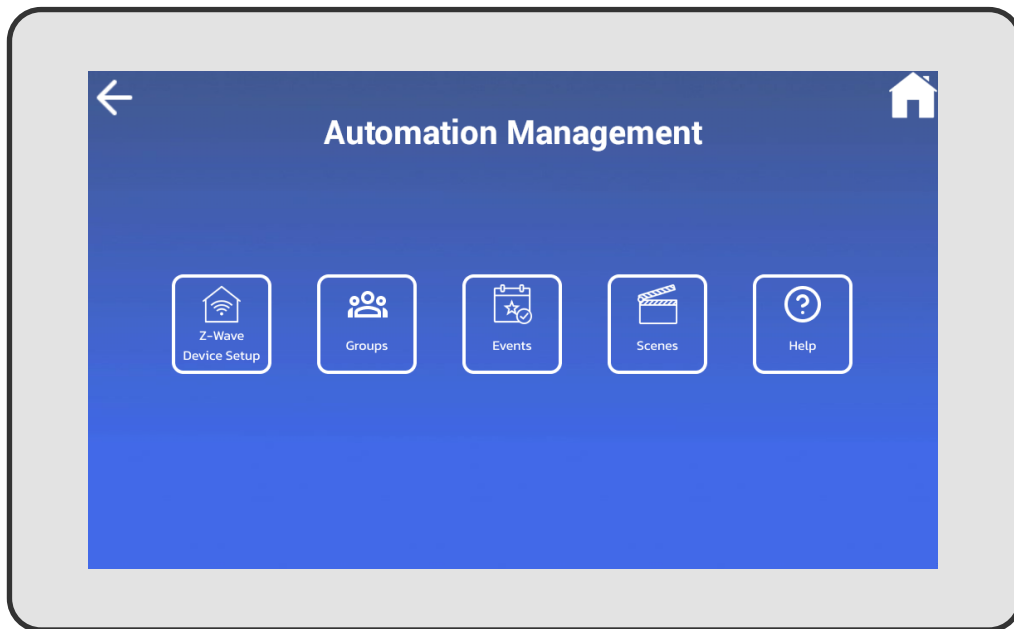


Z-Wave® Home Automation User Guide

NAPCO iBridge Remote Control Services: Z-Wave® Home Controls & Integrated Video



<http://www.napcosecurity.com/>



THANK YOU FOR CHOOSING NAPCO

This guide will introduce you to the features of your new **iBridge®** app. For assistance, please go to www.napcosecurity.com. You can also contact Technical Service at 1-800-645-9440. For Sales and Repairs, call 1-800-645-9445. **Note:** Screen images, icons and instructions shown in this guide may vary depending on the app firmware version installed.

This booklet contains important information about the operation of your system with the iBridge® App; read it carefully and keep it handy for future reference. You'll probably find subjects or screens mentioned in this booklet that do not apply to your system. The NAPCO iBridge system has such a wide variety of features that few security systems, if any, will ever need them all. Your alarm professional has chosen appropriate features for your particular needs.

Please note: Z-Wave devices from other manufacturer and product categories can be part of the your Z-Wave network, and these different listening nodes can act as repeaters regardless of manufacturer. For an **iBridge Z-Wave Evaluated Device List**, see our website at www.napcosecurity.com/ibridge.html.

Certain features, services and applications are network dependent and may not be available in all areas; additional terms, conditions and/or charges may apply. Contact your Internet service provider for details. All features, functionality, and other product specifications, as well as the information contained in this guide, are based upon the latest available information and believed to be accurate at the time of printing. In addition, the diagrams and images in this guide are provided for illustrative purposes only. Most of the screen images were created using the Android operating system; most of the corresponding iOS screens are similar. Changes to the app may occur over time, so keep in mind that NAPCO reserves the right to change or modify any information or specifications without notice or obligation.

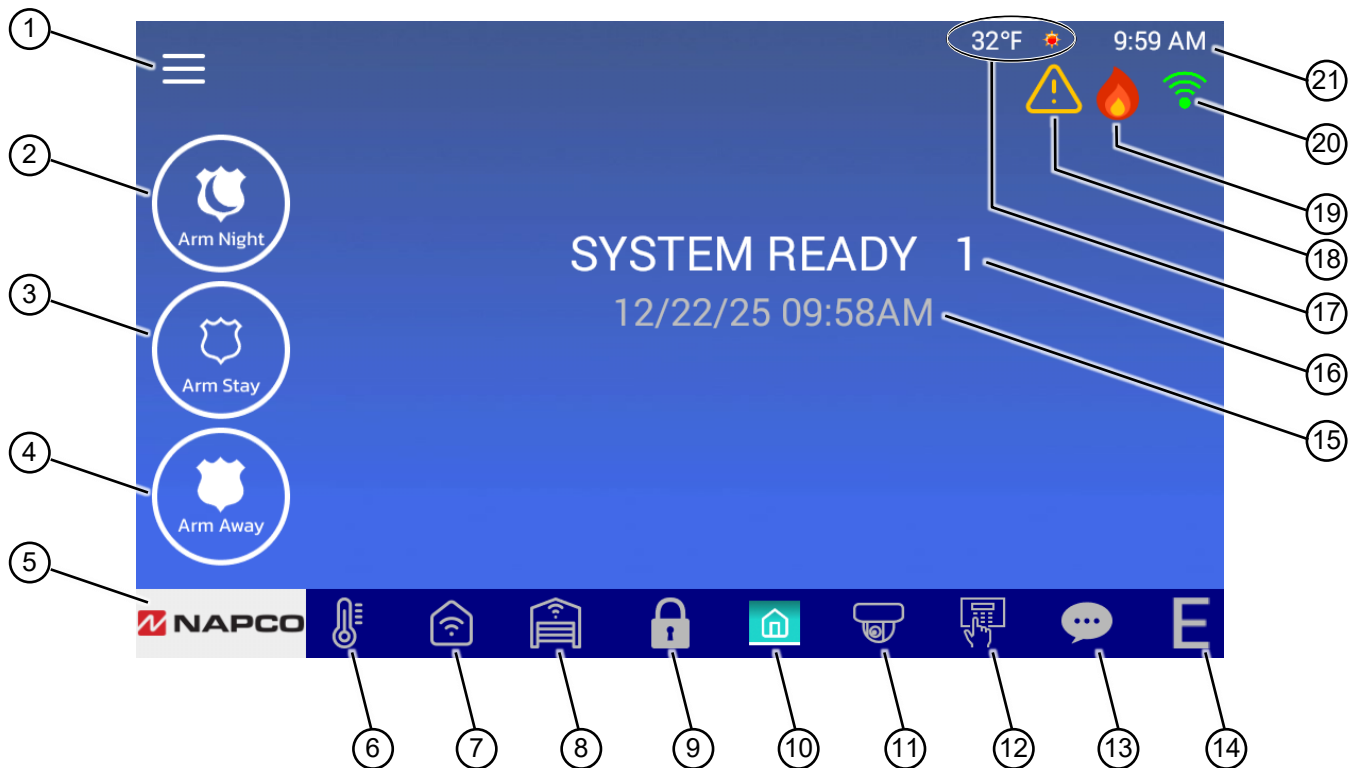
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This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. NAPCO does not take responsibility for changes/modifications to the transceiver or other hardware.

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HOME SCREEN



HOME SCREEN ICONS

- 1. User Settings:** Tap to access the screens to allow changes to the way your app operates (see **USER SETTINGS MENU**).
- 2. Arm Night:** When retiring for the evening, after all family members are home, tap **Arm Night** to bypass all Interior Zones simultaneously to allow free movement within the premises, while the protection of armed perimeter zones is maintained. In addition, the exit delay is canceled on the exit/ entry zone(s), causing an instant alarm upon violation.
- 3. Arm Stay:** (1) Bypasses all Interior Zones simultaneously ("STAY Mode") to allow free movement within the premises. Press and hold down when the system is armed in "STAY Mode" to cancel entry delay on Exit/Entry zones, causing an instant alarm upon violation.
- 4. Arm Away:** Arms all zones in the system; display shows exit time remaining.
- 5. Logo:** Your security dealer may have added their company logo and contact information; tap to view.
- 6. Climate Control:** (optional) Tap to control the Z-Wave automation thermostats and other climate control devices.
- 7. Automation:** (optional) Tap to control Z-Wave system components, including lighting and other devices.
- 8. Garage Door:** (optional) Tap to control and monitor the status of garage doors in your Z-Wave system.
- 9. Lock Control:** (optional) Tap to access the Z-Wave door locks in your system.
- 10. Home Screen:** Tap to return directly to the Home Screen (this screen).
- 11. Cameras:** (optional) Tap to discover and view video in your system.
- 12. Keypad:** This icon is your gateway to your alarm system. The keypad displayed allows you to arm, disarm, bypass and control system operations.
- 13. Messages:** Opens the iBridge *Messenger* login screen. The iBridge *Messenger* Notification Service keeps you informed and in control of your protected premises through emails, SMS messaging, or video alerts (10-second MMS video clips) sent to your smart phone.
- 14. Emergency Buttons:** Used to signal a Fire, Police or Auxiliary emergency.
- 15. Date/Time:** Date and time displayed mirrors the control panel settings.
- 16. Status:** Displays system condition messages, zone descriptions, etc.
- 17. Tap the temperature to open Weather Settings** where you can enable or disable this feature, define how often weather data is retrieved (**Refresh Frequency**), and specify your location (enter your **USPS Zip Code**).
- 18. Trouble:** Tap to open the default keypad. This icon appears if a problem occurs in the system that may prevent arming (see **SYSTEM TROUBLE ERROR CODES** in *Using your iBridge App* (user guide OI448). If unable to clear the trouble to allow the system to be armed, call for service immediately.
- 19. Fire** appears during a Fire Alarm. Tap to open the default keypad, enter your User Code and tap **ENTER** (or **ON/OFF**) to silence the alarm. To clear the alarm, tap **RESET**; this Fire icon will clear if system resets.
- 20. Signal:** Displays the wireless signal power. The indicator displays 3 bars maximum; the more bars lit, the stronger the wireless signal. A red "X" appears when the device is not connected.
- 21. Tap to set the date/time or use the settings provided by your network.** Allows the selection of your Time Zone and the 12- or 24-hour clock format.

AUTOMATION OVERVIEW

Overview: Home Control Network

A home control (or "home automation") network is a system used for remotely controlling light switches, light dimmers, drapes/blinds, appliances, air conditioning, heating, security systems, door locks and other devices within a home or office. Z-Wave is a reliable and robust wireless home control network standard that operates within a redundant and interconnected wireless network. This intelligent Z-Wave system even responds to changing conditions in real time, to ensure your devices will reliably operate when needed.

The **iBridge®** app is fully compatible with your Z-Wave system, allowing you to add and control multiple Z-Wave devices and configure them to your needs. You can even connect your security alarm system to your Z-Wave devices, allowing a security system event to trigger Z-Wave devices and even trigger notification emails. In addition, note that the iBridge app versions 4.04.226 and later will auto-detect the Z-Wave series chip residing in the system controller PC board (e.g., 300 or 500 Z-Wave Series) and the app will then display the appropriate screens required for the Series.

The simplest Z-Wave network consists of a primary "controller" (master) and single controllable "device" (slave) such as a light switch, thermostat, etc. Additional controllers and devices can be "included" into (or "excluded" from) the network at any time (by means of simple button presses on both the controller and the device). Controllers can be "static" (physically immobile such as a wall-switch controller) or "mobile" (such as a portable key-fob controller). If you are new to home automation, you may wish to read the following glossary of definitions to help familiarize yourself with these terms.

- **Node:** Can be a "**device**" or a "**controller**". An example of a **device** is a Z-Wave enabled light switch. A **controller** allows you to add or remove this device from the network. Each node not only captures and disseminates its own network data, but also relays data for other nodes. If one node can no longer operate, the rest of the nodes can still communicate with each other, either directly or through other nodes in the network. In this way, Z-Wave networks self-form and self-heal.
- **Primary Controller:** Also a "node" on the network, the Primary Controller is the controller that was used to create a new Z-Wave network. The "master" controller in the network, only one Primary Controller is allowed within a network.

AUTOMATION OVERVIEW (CONT'D)

Only Primary Controllers can include/exclude nodes, and therefore always possess the latest network "Routing Table". Additional controllers added to the network using the Primary Controller are called "Secondary Controllers" and are unable to include/exclude nodes (devices). **Note:** The app is not a controller, but operates as a "display" to provide visual output from the StarLink Connect Z-Wave controller. For the purposes of this manual, all references to the app will refer to both the app itself or the StarLink Connect Z-Wave controller module (see WI1980 for more information).

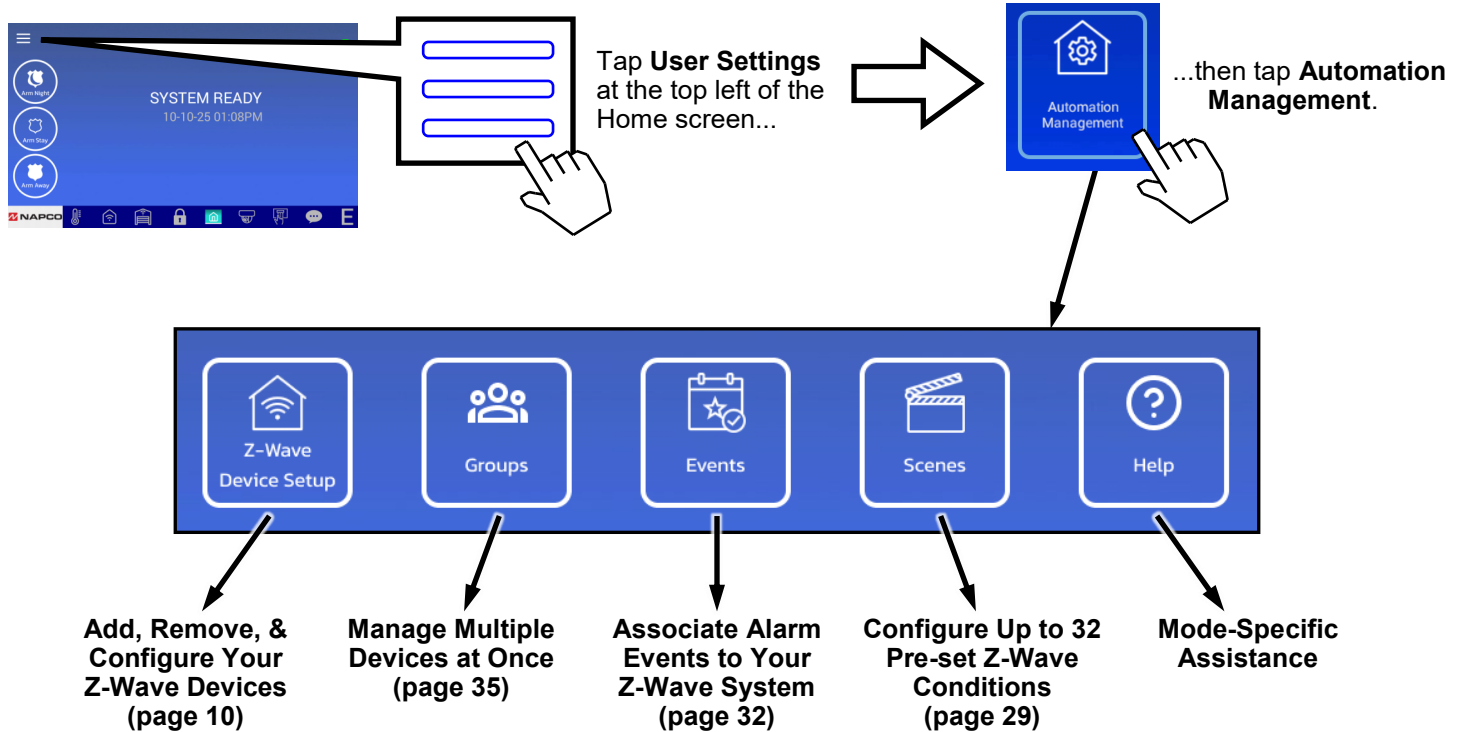
- **Include:** Add a device or controller to your home automation network.
- **Exclude:** Remove a device or controller from your home automation network.
- **Node ID:** Used to identify and manage individual nodes in a network; each ID is unique within a network.
- **Node Information Frame:** Describes the abilities of a node, allowing the controller to identify and control the various node types available. All nodes automatically send their Node Information Frame when a button on the node is pressed; those controllers in need of the Node Information Frame are programmed to request it automatically when needed.
- **"Event-Action" Configuration Table:** Used to associate security alarm system events to your home automation system. For example, a burglary alarm triggers certain lights to turn on.
- **Rebuild Mesh:** A manual request to redesign the Routing Table to increase communication efficiency (accelerate response times). Usually performed after physical changes are made to the network, such as after home construction projects or other physical changes to the premises that might affect communications within the network.
- **Abort:** Exit a function or task without saving changes.
- **Erase All Devices:** Deletes all nodes (devices and controllers) from the network. **Note:** Devices must still be removed individually if you wish to re-enroll them later.
- **Group:** A collection of switches and dimmers that can be displayed together for ease of access.
- **Scene:** Several devices in your network pre-set to a specific condition.

AUTOMATION OVERVIEW (CONT'D)

- **Beaming:** Non-AC (battery) powered Z-Wave appliances (such as battery operated door locks, thermostats, etc.) must be beamed a "wake up" command to carry out subsequent commands from the Z-Wave controller. This "beaming" command emanates from the Z-Wave controller and must be "beamed" from one node to another until the command arrives at the intended destination (door lock). Although only those devices in the network path (from the controller to the specific end device) MUST support beaming. However, to avoid troubleshooting and provide a more reliable mesh network, we recommend only using devices that support beaming in networks that include battery powered Z-Wave devices (such as door locks).
 - **Association:** Associations allow Z-Wave transmitter source ("secondary") devices (such as certain model motion detectors, wall switches and dimmers) to send commands *directly* to other target ("master") Z-Wave devices (such as lamp modules and appliance modules wired to the electrical load). For example, at the bottom of a staircase, a battery powered Z-Wave dimmer "secondary/source" device is associated with a "target/master" Z-Wave dimmer at the top of the staircase that is wired to a ceiling fixture. In order to create associations, devices at both ends of the association must be designed by the manufacturer to support Associations (devices are usually labeled "Supports Z-Wave associations").
 - **Replication:** Refers to the protocol replication between Controllers that is used to exchange protocol replication data between different Controllers within the same network. The app **Learn** button is used when you wish to add the StarLink Connect Controller to another network as a Secondary Controller or to another network as a Primary Controller. In either case, the StarLink Connect Controller receives "protocol replication data" from the Primary Controller of the other network.
- Note:** Z-Wave device designs can vary, including the name and location of its "Learn" button; see the documentation for the specific device you wish to include (or associate) to ensure correct operation.

SECURITY WARNING: If you create a Scene or Event that involves arming the alarm control panel and the system is configured to use the NAPCO "Classic" keypad style, then ensure the User Code entered into the Scene or Event configuration screens is an "ARM ONLY" Code. If not, subsequent activation of the Scene or Event will disarm the alarm panel.

AUTOMATION MANAGEMENT SCREEN



ADD Z-WAVE DEVICES

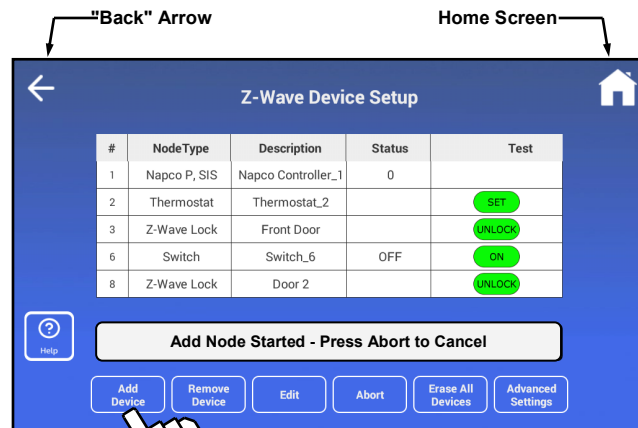
Devices should be powered and in their final location prior to inclusion. To add new Z-Wave device:

1. Tap **Add Device**. Wait for the status message field to indicate **"Add Node Started - Press Abort to Cancel"**. If you wish to terminate the Add Device action, tap the **Abort** button. **Note:** Depending on the app firmware version, the device list may include an entry with the Description **"NAPCO Controller"** (also includes the **NodeType** **"NAPCO P"**; see image below). This entry is the StarLink Connect module, with its integral Z-Wave primary controller.
2. Press the "Learn" button on the device. **Note:** Z-Wave device designs can vary, including the name, location and operation of its "Learn" button (some require one button press, others require two); see the documentation for the specific device you wish to add to ensure correct operation.
3. Wait for the **NodeType**, **Description** and **Status** of the device to appear in the table.

For example, adding a light switch may indicate **"Switch"** as the **NodeType**, **"Switch1"** as the **Description**, and **"Active"** as the **Status**.

Test the new device: In the **Test** column, tap the button (or "arrows" for a dimmer) as required. For example, the **Test** column for a switch device will toggle **"ON"** and **"OFF"** buttons.

Once all devices have been added, tap the "back" arrow (at the top left) to return to the **Automation Management** screen. **Note:** Devices that are being re-enrolled in the same network (or were previously installed in another network) must be "Removed" prior to performing this "Add" procedure. Therefore, perform the "Remove" procedure on the device even if it does not appear in the table.

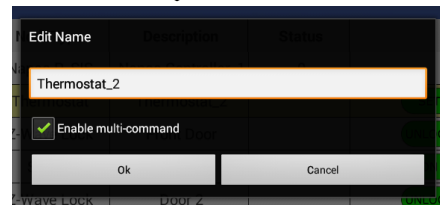
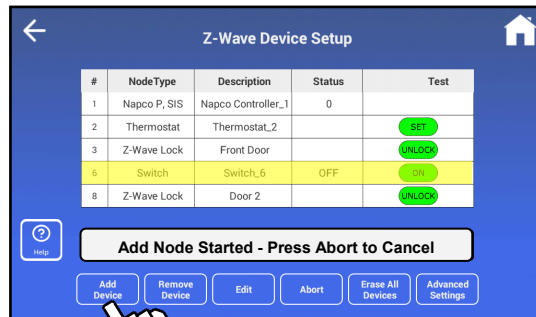


ADD Z-WAVE DEVICES (SWITCHES / WATER FLOW)

Devices should be powered and in their final location prior to inclusion. To add new Z-Wave switch:



1. Tap **Add Device**. Wait for the status message field to indicate "**Add Node Started - Press Abort to Cancel**". If you wish to terminate the Add Device action, tap the **Abort** button. **Note:** Depending on the app firmware version, the device list may include an entry with the Description "**NAPCO Controller**" (also includes the **NodeType** "**NAPCO P**"; see image below). This entry is the Star-Link Connect module, with its integral Z-Wave primary controller.
2. Press the "Learn" button on the device. **Note:** Z-Wave device designs can vary, including the name, location, operation of its "Learn" button; see the documentation for the specific device you wish to add to ensure correct operation.
3. Wait for the **NodeType**, **Description** and **Status** of the device to appear in the table. For switches that are NOT Water Valve Control Switches, add the switch as described in the section "**ADD Z-WAVE DEVICES**" on page 10. For Water Valve Control Switches, tap in the **#** column to highlight the water valve control switch you wish to edit, then tap the **Edit** button at the bottom of the screen. When the **Select Option** screen appears (below), tap **Designate as "water valve" control switch**.



ADD Z-WAVE DEVICES (SWITCHES / WATER FLOW) CONT'D

To prevent costly water damage from floods, a Z-Wave water control valve automates the main water supply of the premises to allow for remote closure of the water flow. Some Z-Wave water valves are designed where "On" (triggered) means the water is turned OFF (closed), and "Off" ("normal") means the water is turned ON (allowed to flow). Other valves may contain inverted logic, therefore consult the manufacturer's instructions. The screen shown in the previous step accommodates both types of valves.

4. In the screen that appears (shown at right), tap to add a check in the **Water Valve Control Switch** checkbox, then select the appropriate radio button or the switch:

☐ Water Valve Control Switch

☐ Flow Switch
ON = Normal (water flow)
OFF = Water Flow Valve OFF(no water flow)

☐ Shutoff Switch
OFF = Normal (water flow)
ON = Water Shutoff Valve ON(no water flow)

- **Flow Switch:** When the switch is "ON" (energized), water is allowed to flow (the "normal" condition in most homes). If a Z-Wave leak sensor (for example) detects the presence of water (a "leak"), the switch is triggered "OFF" to turn off the water flow, often through a mechanical means such as a ball valve closure.
 - **Shutoff Switch:** When the switch is "OFF" (unenergized), water is allowed to flow (the "normal" condition in most homes). If a Z-Wave leak sensor (for example) detects the presence of water (a "leak"), the switch is triggered "ON" to turn off the water flow, often through a mechanical means such as a ball valve closure.
5. Select **Save** and tap "back" arrow (at the top left) to return to the **Automation Management** screen.

Test the new device: In the **Test** column, tap the button as required. For example, the **Test** column for a switch device will toggle "ON" and "OFF" buttons.

After all devices have been added, tap the "back" arrow (at the top left) to return to the **Automation Management** screen. **Note:** Devices that are being re-enrolled in the same network (or were previously installed in another network) must be "Removed" prior to performing this "Add" procedure. Therefore, perform the "Remove" procedure on the device even if it does not appear in the table.

REMOVE Z-WAVE DEVICES

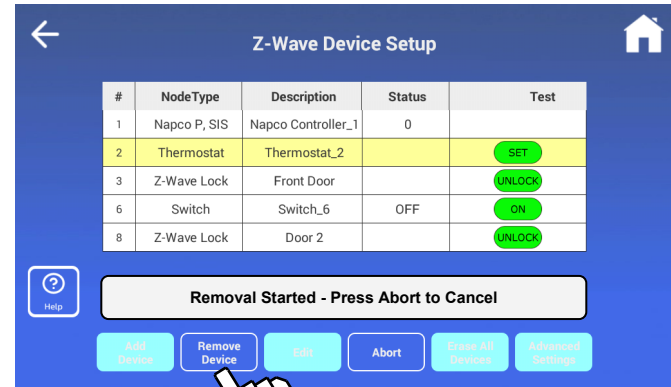
To exclude / delete / remove an existing Z-Wave device:

1. Tap the **Remove Device** button.
2. The status message field will indicate "**Removal Started - Press Abort to Cancel**".
3. Press the "Learn" button on the device. **Note:** Z-Wave device designs can vary, including the name, location and operation of its "Learn" button (some require one button press, others require two); see the documentation for the specific device you wish to add to ensure correct operation.

After a short time, the status message field will indicate "**Node Removed**".

Tap the "back" arrow (at the top left) to return to the **Automation Management** screen.

IMPORTANT: The addition and removal of thermostats from the system may cause uncontrolled and undesired thermostat settings to be in effect. *NAPCO is not responsible for property damage due to improper thermostat settings.*



EDIT DEVICE NAMES

When a Z-Wave device is added (see page 10), its **NodeType**, **Description** and **Status** that appears in the table shown below is automatically obtained from data added by the device manufacturer. To edit the **Description** text:

1. Tap in the # column to highlight the device you wish to edit. In the image below, a 'thermostat' device with the **Description** text "**Thermostat_2**" is selected. **Note:** If a switch is selected, an additional **Select Option** screen appears as described in step 3, below.
2. Tap the **Edit** button at the bottom of the screen.
3. **For devices that are NOT switches:** In the **Edit Name** screen that appears, tap the text field to open the keyboard. Type a new device **Description**. When finished, tap **Done**, then tap **OK** to save. The new device **Description** appears in the list.

Note: If you wish to add the edited device to one of two built-in "All" Groups, then check the **Enable multi-command** checkbox in the **Edit Name** screen. There are default "All Lights" and "All Locks" Groups that can be controlled by their respective icons in the **Automation** screen. See page 42.

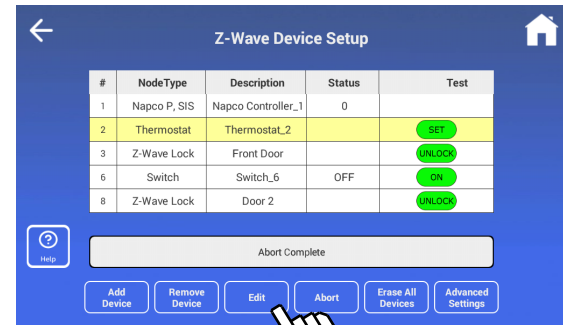
For devices that ARE switches: A **Select Option** screen appears

Select Option

Edit device name description

Designate as "water valve" control switch

CANCEL



Edit Name

Thermostat_2

☒ Enable multi-command

Ok

Cancel

EDIT DEVICE NAMES (CONT'D)

The **Select Option** screen allows you to select either:

- **Edit device name description**
--or--
- **Designate as "water valve" control switch**

If you select **Edit device name description**, the **Edit Name** screen opens (shown above). Tap the text field to open the keyboard, type a new device **Description**. When finished, tap **Done**, then tap **OK** to save. The new device **Description** appears in the list.

If you select **Designate as "water valve" control switch**, the screen shown at right opens. To prevent costly water damage from floods, a Z-Wave water control valve automates the main water supply of the premises to allow for remote closure of the water flow. Some Z-Wave water valves are designed where "On" (triggered) means the water is turned OFF (closed), and "Off" ("normal") means the water is turned ON (allowed to flow). Other valves may contain inverted logic, therefore consult the manufacturer's instructions. The screen shown accommodates both types of valves.

☐ Water Valve Control Switch

☐ Flow Switch
ON = Normal (water flow)
OFF = Water Flow Valve OFF(no water flow)

☐ Shutoff Switch
OFF = Normal (water flow)
ON = Water Shutoff Valve ON(no water flow)

4. Tap to add a check in the **Water Valve Control Switch** checkbox, then select the appropriate radio button or the switch:
 - **Flow Switch:** When the switch is "ON" (energized), water is allowed to flow (the "normal" condition in most homes). If a Z-Wave leak sensor (for example) detects the presence of water (a "leak"), the switch is triggered "OFF" to turn off the water flow, often through a mechanical means such as a ball valve closure.
 - **Shutoff Switch:** When the switch is "OFF" (unenergized), water is allowed to flow (the "normal" condition in most homes). If a Z-Wave leak sensor (for example) detects the presence of water (a "leak"), the switch is triggered "ON" to turn off the water flow, often through a mechanical means such as a ball valve closure.
5. Select **Save** and tap "back" arrow (at the top left) to return to the **Automation Management** screen.

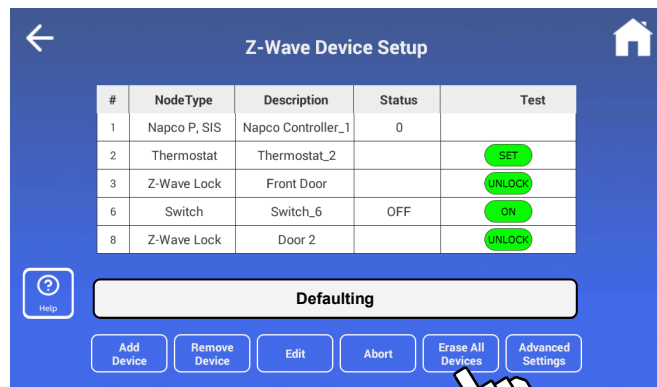
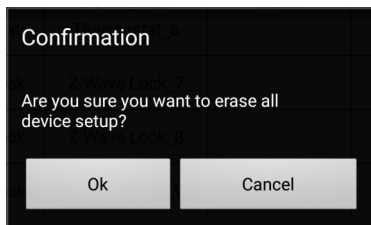
ERASE ALL Z-WAVE DEVICES

To exclude / delete all existing Z-Wave devices:

1. Tap **Erase All Devices**.
2. In the **Confirmation** screen, tap **OK** to continue (or tap **Cancel** to exit without erasing devices).
3. The status message field will indicate "**Defaulting**" and after a short time, "**Default Complete**". All devices listed in the device table (example shown below) will appear to be removed, however the memory data within each device will **not** be erased. Therefore, to completely erase the memory within each Z-Wave device, simply follow the steps detailed in the section "**REMOVE Z-WAVE DEVICES**" on page 13 for each device.

Tap the "back" arrow (at the top left) to return to the **Automation Management** screen.

IMPORTANT: The addition and removal of thermostats from the system may cause uncontrolled and undesired thermostat settings to be in effect. *NAPCO is not responsible for property damage due to improper thermostat settings.*

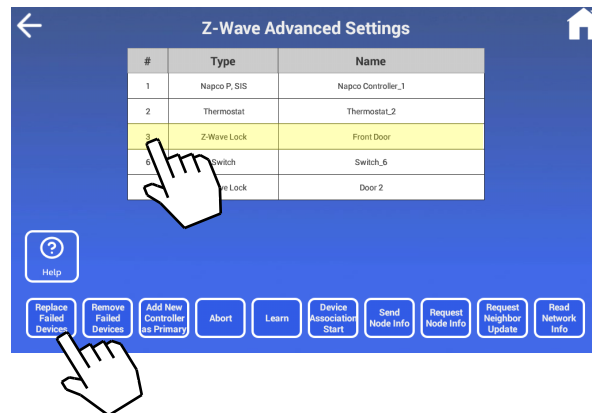
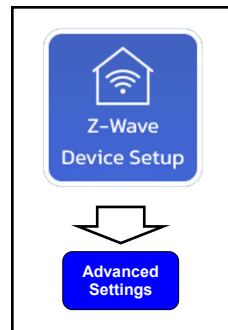


ADVANCED SETTINGS: REPLACE FAILED DEVICES

You can easily replace an existing failed, un-plugged or missing device with a new device using the **Replace Failed Devices** button. The new device must be of the same type as the failed device (e.g. replace a failed *dimmer* with a new *dimmer*). Replace a failed device as follows:

1. Unplug (depower) the failed device and plug-in (power) the new device. Ensure the new device has been "Removed" from its network if it has ever been used previously (is not "brand-new").
2. Although it is likely you have already tried testing the failed device, test it again with the device de-powered using the app. This will *ensure* the failed device is properly designated as a "failed" device within the system. After about 10 seconds, a warning popup will appear to indicate the device has failed (press **OK** to close the warning popup and continue).
3. In the **Advanced Settings** screen, tap in the # column to highlight the failed device you wish to replace (in the image below, device #19 with the **Type** named "**Dimmer**" is selected).
4. Tap the **Replace Failed Devices** button.
Wait for the system to check to be certain the selected device is non-operational or is missing (the message "**Checking for failed device**" will appear).
After a few seconds, another status message will appear: "**Press the inclusion button**" on the new device. Therefore, press that button on the new device*.
5. Wait for the status message field to read "**Replace Complete**".
Test the new device to ensure its correct operation.

Note: The node number, Type and Name descriptions for the failed (removed) device are re-used and applied to the new (replaced) device. If these descriptions need to be changed, see "**EDIT DEVICE NAMES**" on page 14.



*See the documentation for the specific device to ensure correct operation of its button.

ADVANCED SETTINGS: REMOVE FAILED DEVICES

You can easily remove an existing failed, un-plugged or missing device using the **Remove Failed Devices** button. Remove a failed device as follows:

1. Although you likely already tried testing the failed device, try testing it again using the app. This will ensure the failed device is properly designated as a "failed" device within the system. After about 10 seconds, a warning popup will appear to indicate the device has failed (press **OK** to close the warning popup and continue).
2. Tap in the # column to highlight the failed device you wish to remove (in the image below, device #19 with the **Type** named "**Dimmer**" is selected).
3. Tap the **Remove Failed Devices** button.

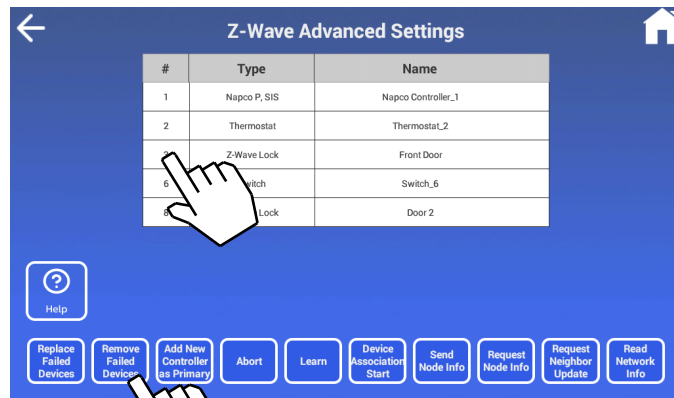
Wait for the system to check to be certain the selected device is non-operational or is missing (the message "**Checking for failed device**" will appear).

4. Wait for the status message field to read "**Remove Complete**".

Note: It is not possible to remove a working ("non-failed") device using these steps. To remove a working device, use the "**REMOVE Z-WAVE DEVICES**" procedure on page 13.



Advanced
Settings



ADVANCED SETTINGS: ADD NEW CONTROLLER AS PRIMARY

IMPORTANT! This feature is intended for very advanced Z-Wave users only. If the NAPCO Z-Wave controller is the primary controller and a new controller is later added as the Primary using this feature, the NAPCO Z-Wave controller *automatically* becomes a secondary controller and will be unable to add and delete devices! *Furthermore, if the new primary controller is a non-NAPCO controller, and you wish to redesignate the NAPCO Z-Wave controller the primary controller again, you will need to consult the non-NAPCO controller manufacturer's instructions to do so.*

If you wish to keep your NAPCO controller as Primary Master (type **NAPCO P, SIS**), and you wish to add additional controllers to operate slave devices, we recommend using the **Add Device** function described on page 10 and thus add the controllers as if they were devices.

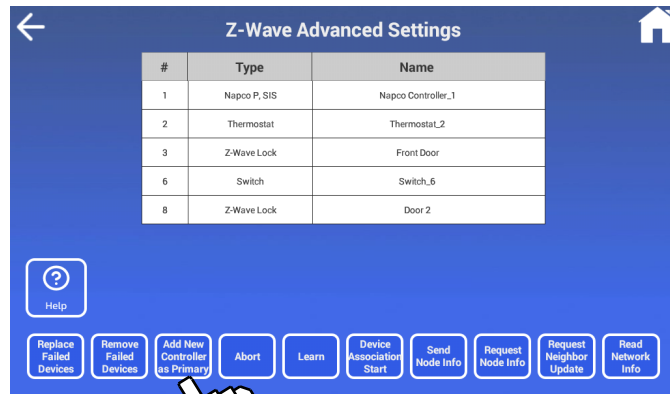
Only one primary controller is allowed in your system, and only the primary controller can add or delete devices. A primary controller can be in the form of a "static" (permanently mounted) controller (like a Z-Wave controller module installed inside an alarm system control panel), a "portable" device like a hand-held remote controller, a Z-Wave-enabled computer or even an Ethernet router or bridge.

Why add a new Primary Controller?

Some Z-Wave devices available in the marketplace only operate in low power during Learn mode; therefore the use of a portable "hand-held" Primary Controller --held within 6 feet of the device when adding-- may be necessary. In addition, your system may include distant devices connected with repeater devices; in some cases, these distant devices may only be added to your Z-Wave system directly (in other words, adding a device



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ADD NEW CONTROLLER AS PRIMARY (CONT'D)

through a repeater may not be allowed by the repeater). As only the Primary Controller may add and remove devices, these aforementioned scenarios may require the temporary addition of a portable hand-held Primary Controller.

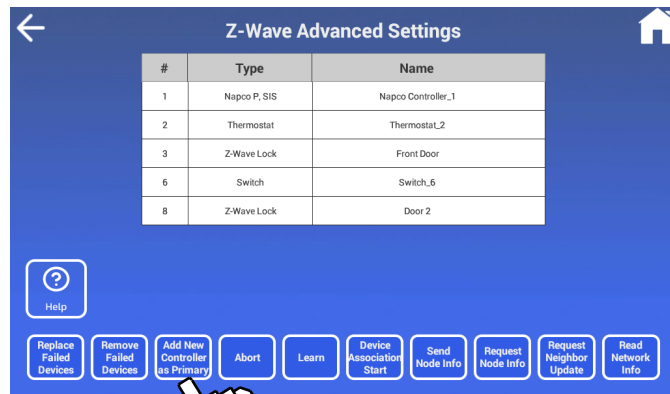
To make a new controller the Primary Controller, proceed as follows:

1. Tap the **Add New Controller as Primary** button.
2. Wait for the status message field to indicate **"Add node started"**.
3. Put the new controller into its "add controller as primary" mode. **Note:** Each model controller may differ; see the documentation that came with the controller for the exact procedure.
4. The following status messages will appear: **"Adding Controller"..."Node Added"..."Update complete"**. The new Primary Controller will appear in the device list with a **NodeType** that will vary with the manufacturer (will likely indicate **"Controller"** or **"Controller P"**).
The former NAPCO StarLink Connect Primary and current NAPCO StarLink Connect Secondary Controller will appear with a **NodeType** of **"NAPCO S"**.
5. **Test the devices:** Use the new Primary Controller to operate devices and add new devices.

Tap "back" arrow (at the top left) to return to the **Automation Management** screen.



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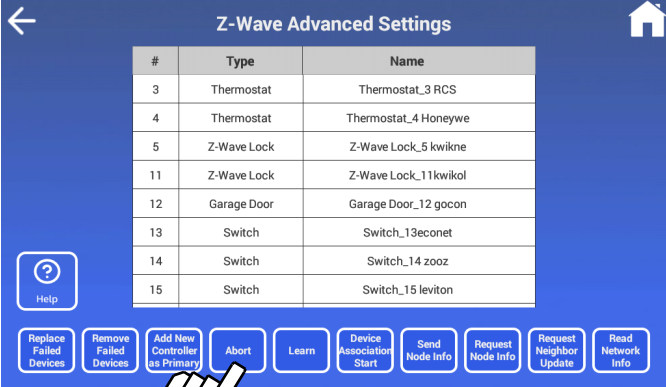
ADVANCED SETTINGS: ABORT

Tapping the **Abort** button immediately cancels an active network operation such as during the addition or removal of a device. If a device is not responding during a network operation or an operation error was made, pressing **Abort** allows the controller to return to its normal, idle state.

- After an operation that you wish to cancel was performed, tap **Abort**. Wait for the status message field to indicate "**Aborting...**".



Advanced
Settings

A screenshot of the "Z-Wave Advanced Settings" screen. It features a blue background with a white back arrow on the top left and a white house icon on the top right. A table lists 15 devices with columns for ID, Type, and Name. Below the table is a row of buttons: Replace Failed Devices, Remove Failed Devices, Add New Controller as Primary, Abort, Learn, Device Association Start, Send Node Info, Request Node Info, Request Neighbor Update, and Read Network Info. A hand icon is pointing at the "Abort" button.

#	Type	Name
3	Thermostat	Thermostat_3 RCS
4	Thermostat	Thermostat_4 Honeywe
5	Z-Wave Lock	Z-Wave Lock_5 kwikne
11	Z-Wave Lock	Z-Wave Lock_11kwikol
12	Garage Door	Garage Door_12 gocon
13	Switch	Switch_13econet
14	Switch	Switch_14 zoosz
15	Switch	Switch_15 leviton

ADVANCED SETTINGS: LEARN

The **Learn** button is used when you wish to add the StarLink Connect Controller to another network as a Secondary Controller or to another network as a Primary Controller. In either case, the StarLink Connect Controller receives "protocol replication data" from the Primary Controller of the other network. The other network, in this scenario, is a Z-Wave network separate from the iBridge Z-Wave network described so far in this User Guide.

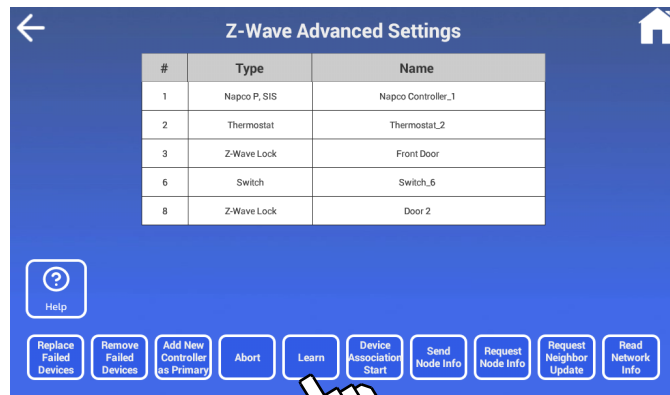
When you decide to add the StarLink Connect Controller to another network as a Secondary Controller or to another network as a Primary Controller, this process is initiated and performed by the Primary Controller of the other network. You will need to consult the documentation for the Primary Controller of this other network for the exact procedure, but at some time during this process, it will be requested to press the "Learn" button of the Controller you wish to add to the other network (namely the StarLink Connect). When so requested, tap the "Learn" button shown in the image below.

"Replication" refers to the protocol replication between Controllers that is used to exchange protocol replication data between different Controllers within the same network. When the Learn button is pressed, the StarLink Connect *receives* "protocol replication data" from the Primary Controller of the other network because the StarLink Connect is being added to (included into) the other network, and thus "needs" this data in order to operate within the other network.

Tap the "back" arrow (at the top left) to return to the **Automation Management** screen.



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ADVANCED SETTINGS: REBUILD MESH

(Available in 300 Series Z-Wave systems): Rebuilding the mesh is a request to redesign the internal Z-Wave database routing table to increase communication efficiency and to accelerate device response times. Each device or controller in the system not only captures and disseminates its own network data, but also relays data for other nodes. Rebuilding the mesh should be performed after physical changes are made to the network, such as after home construction projects, the addition of new appliances or wireless devices, or any other physical changes to the premises that might affect network communications. Rebuild the mesh as follows:

1. Tap **Rebuild Mesh**.
2. In the **Confirmation** popup that appears, tap **OK** to proceed.
3. When finished, the message **Rebuild Mesh Complete** appears.
4. Tap "back" arrow (at the top left) to return to the **Z-Wave Device Setup** screen. In the **Test** column, tap the button (or "slide bar" for a dimmer) to test the devices as required.

Note: Devices that cannot be added will be listed with an asterisk in place of the device name (for example, "Dimmer12" will be displayed as " * "). Ensure the device is within range of the StarLink Connect or is in a network whose devices support *Explorer Frames* (Z-Wave protocol version 4.5 or greater). See the device instructions for range limits. If the device is within range but is still unable to be included, remove / restore power to the device, then repeat the inclusion process.



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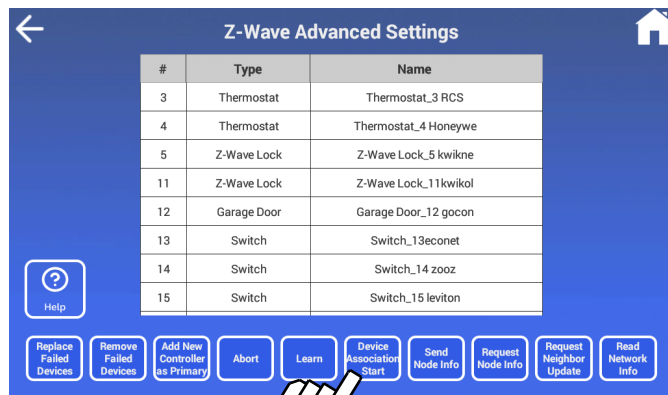
ADVANCED SETTINGS: DEVICE ASSOCIATION START

Associations allow Z-Wave transmitter source ("secondary") devices (such as certain model motion detectors, wall switches and dimmers) to send commands **directly** to other target ("master") Z-Wave devices (such as lamp modules and appliance modules wired to the electrical load). For example, at the bottom of a staircase, a battery powered Z-Wave dimmer "secondary/source" device is associated with a "target/master" Z-Wave dimmer at the top of the staircase that is wired to a ceiling fixture. In order to create associations, devices at both ends of the association must be designed by the manufacturer to support Associations (devices are usually labeled "Supports Z-Wave associations"). **Note:** See the documentation for the specific device to ensure correct operation of its "Learn" button used during the Association process, as follows:

1. Tap **Device Association Start**. Wait for the status message field to indicate "**Association Process Started, Activate Master Device Node**".
2. At the target/master device that is wired to the electrical load, press the "Learn" button on the device. Wait for the status message field to indicate "**Master Node Registered, Activate Secondary Device Node**".
3. Press the secondary/source device "Learn" button and wait for the status message field to indicate "**Secondary Node Recognized, Activate Additional Secondary Nodes**". (Optional) Press the secondary/source device "Learn" button of any additional devices you wish to associate to the target/master device, if any.
4. When finished, tap **End Device Association** button. Wait for the status message field to indicate "**Association Process Complete, Update Complete**".
5. Test the new devices for correct operation.



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Settings



ADVANCED SETTINGS: SEND NODE INFO

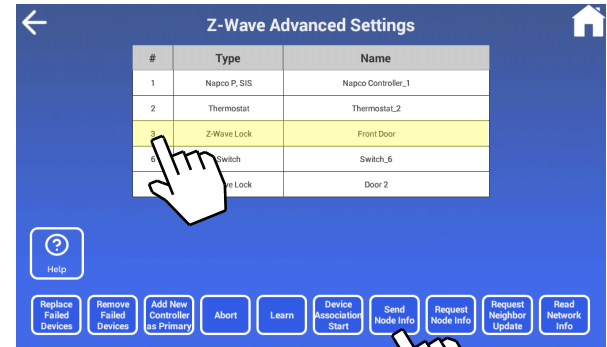
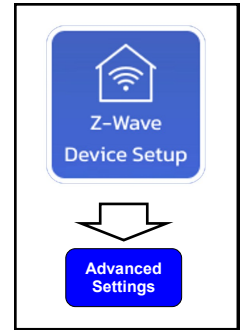
(This feature is intended for advanced Z-Wave users only).

Selecting **Send Node Info** manually transmits the Node Information Frame of the selected device to the controller. This selection is helpful in many ways: If a device is marked as 'unreachable', this selection manually attempts to re-establish communication and update the device's status within the network. At the same time, this selection also optimizes and/or repairs the network by reestablishing the best communication routes through nearby Z-Wave devices ("neighbors"), allowing for more efficient signal routing paths to improve reliability and communication issues usually encountered after adding, removing or physically moving devices. **Note:** If the firmware of the selected device was updated, selecting **Send Node Info** ensures the Primary controller retains the most current information.

Additional Technical Details

Tap the **Send Node Info** button to broadcast the NAPCO controller characteristics, capabilities and supported Z-Wave commands (called "command classes" in Z-Wave terminology) to all devices in the Z-Wave network. In short, the **Send Node Info** button is used to tell all of the other nodes in the network "who I am" (i.e. "I" is the NAPCO controller). After tapping, always wait for the confirmation message, **"Node Info Frame Sent"**.

This feature is used by advanced Z-Wave users for diagnostic purposes. The information is transmitted over-the-air, thus a diagnostic or "sniffer" tool could see this information, determine that the node is operational and identify its properties.



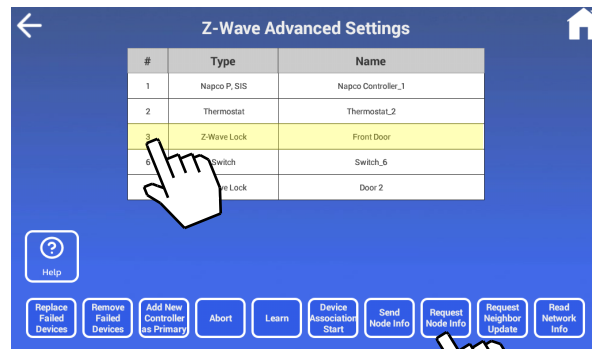
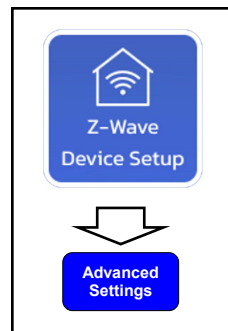
ADVANCED SETTINGS: REQUEST NODE INFO

(This feature is intended for advanced Z-Wave users only).

Selecting **Request Node Info** sends a command to the Primary controller to request information from a selected device. This information includes (but not limited to) its Z-Wave characteristics, functional parameters, supported Z-Wave commands (called "command classes" in Z-Wave terminology), Node ID data and the current communication routes used by the selected device. In short, the **Request Node Info** button triggers the NAPCO controller to ask (for the selected node), "Hello, who are you?" If the node being asked answers, that selected node is "alive" and reachable; if the node does not answer, that node is temporarily marked "failed" (e.g., the node is too distant to communicate with the NAPCO controller, or the node is unresponsive and faulty).

Note: Battery powered devices are often programmed to enter a "sleep" mode, when not in use. to extend battery life; therefore, before selecting **Request Node Info** with a battery powered device, you may need to manually "wake up" the device, usually by pressing a button on the device itself (see the manufacturer's instructions for location). For ways this selection can be helpful, see the benefits listed in the description of **"Send Node Info"** on page 25.

In the **Z-Wave Advanced Settings** node list, first tap in the **"#"** column to highlight the selected node, then tap the **Request Node Info** button. Wait for the confirmation message **"Node Info Received: Node #"** ("**#"** being the number of the node in the network, as displayed in the node table under the **#** column).



ADVANCED SETTINGS: REQUEST NEIGHBOR UPDATE

(This feature is intended for advanced Z-Wave users only).

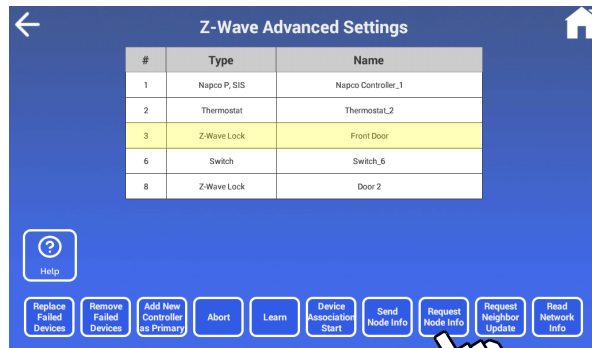
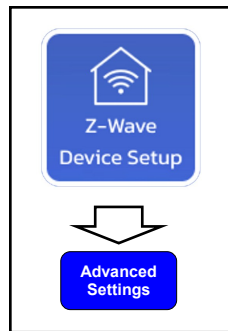
The **"Request Neighbor Update"** (also known as a "Heal" command) instructs the devices to rebuild their internal lists of nearby Z-Wave devices ("neighbors") so that the updated node can route more efficiently. The selected node attempts to discover its nearby nodes, and sends the controller information about what it has discovered, whereupon the controller re-calculates and selects more efficient signal routing pathways to improve reliability and fix potential communication issues usually encountered after adding, removing or physically relocating devices. The controller will then assign updated return routes to the requested node.

This function is commonly used when a specific device in the system becomes non-responsive or its performance is intermittent. In short, this function updates, improves, strengthens and increases the efficiency of intra-network communications for a specific node in the network. Proceed as follows:

1. In the **Z-Wave Advanced Settings** node list, tap the **Request Neighbor Update** button.

The message **"Neighbor Update Started: Node #"** appears, (with **"#"** being the number of the node in the network, as displayed in the node table under the **#** column).

2. Wait for the message, **"Neighbor Update Complete: Node #"** when the update process completes (with **"#"** being the same number of the node that appeared in the previous step). Test the device for correct operation.



ADVANCED SETTINGS: READ NETWORK INFO

(This feature is intended for advanced Z-Wave users only).

Tap the **Read Network Info** button to identify how the network is configured, including identifying the Home ID, the presence of a "Static Update Controller ID Server" (SIS) and if a SIS exists, to identify what its Node ID is. "SUC/SIS" denotes the "Static Update Controller" (SUC) and/or the SIS.

An SUC is a controller that receives notifications from the primary controller regarding all changes made to the network configuration, and distributes these changes to other controllers and devices in the system.

Note: There can only be one SUC in a Z-Wave network. The SIS is a SUC that enables other controllers to include/exclude nodes in the network on its behalf.

This **Read Network Info** feature is useful when multiple controllers are joined within a single network, where these multiple controllers must share the same Home ID, but only one SUC/SIS is allowed to exist.

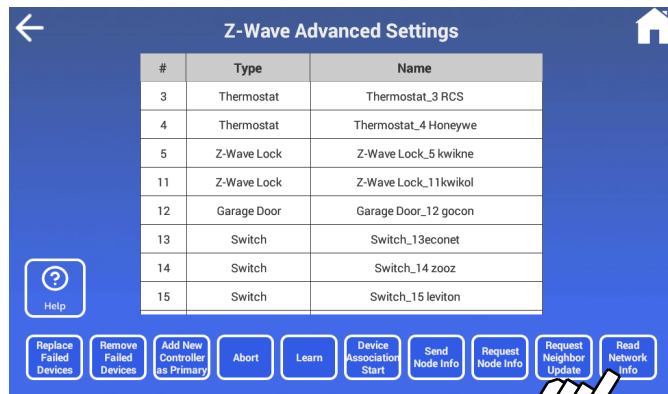
Note: The existence of a SUC/SIS in the system increases the efficiency of network updates when nodes are added or removed.

The following is an example message that may appear after tapping the **Read Network Info** button:

Home ID: E8 21 8A 4D, Node ID Server Present, SUC/SIS Node ID:1")



Advanced Settings

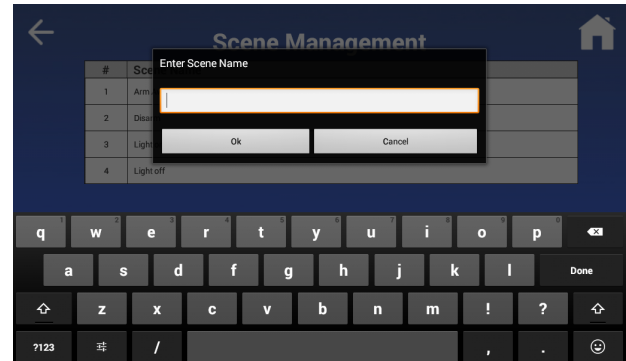
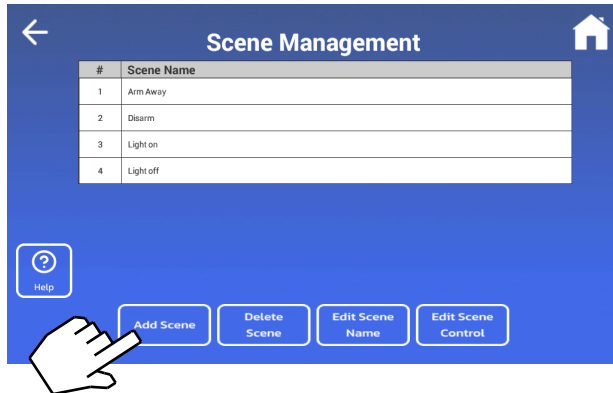


ADD SCENES

The **Scene Management** screen is used to control single or multiple Z-Wave devices and security system components according to predetermined settings. These settings all work together to create a particular atmosphere, effect, or other desired task. In the example shown below, a button on a controller could be dedicated to a Scene named "**Movie Night**" where certain lights are dimmed and doors are locked.

Scenes are powerful tools for home automation because they let simple actions control complex tasks that greatly enhance your home automation experience. To add a new Scene:

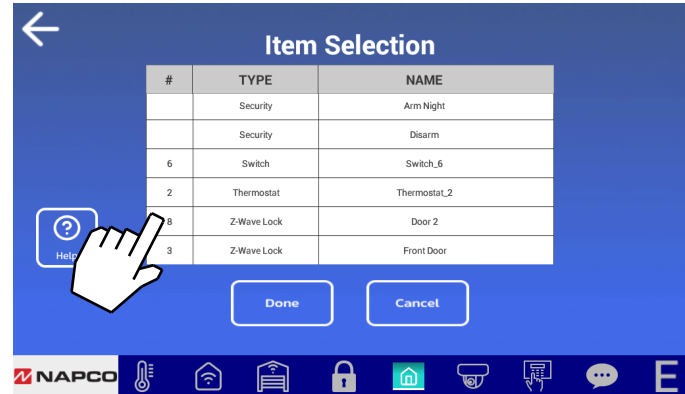
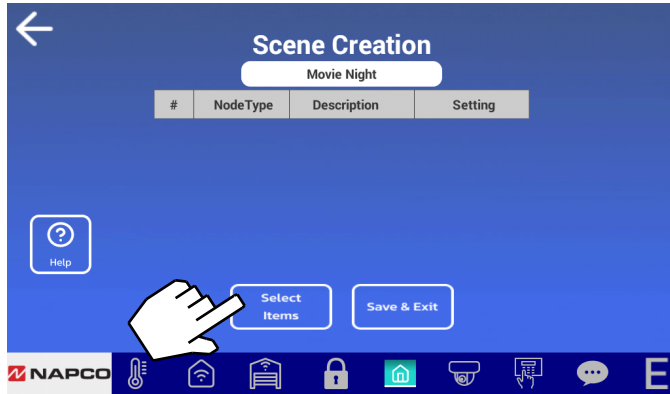
1. In the **Scene Management** screen (shown below left), tap **Add Scene**.
2. In the **Enter Scene Name** dialog (shown below right), tap the empty text field to open the keyboard and type a new Scene name. Examples may include "Movie Night", "Dinner Party" or "Leaving Home". When finished, tap **Done**, then tap **OK** to save. The **Scene Creation** screen automatically opens, as shown on the next page (or tap in the # column to highlight the Scene, then tap **Edit Scene Control**).



ADD SCENES (CONT'D)

3. In the **Scene Creation** screen (shown below left), tap the **Select Items** button to open the **Item Selection** screen (shown below right). Here a *scrollable* list of controllable items appears, allowing you to create your customized Scene. Tap in the **#** column to highlight one or multiple items to add (to scroll through the list, *press and hold* an item in the **Type** or **Name** column, then drag your finger up or down). Tap **Done** to add the item(s) to the **Scene Creation** screen (when finished, tap **Save & Exit** to save your Scene).

For example, when selecting items for "**Movie Night**", you can turn off all lights except certain dimmers, set the thermostat to a selected temperature, and lock the doors.

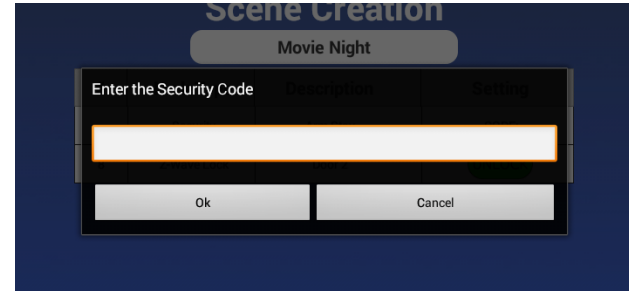
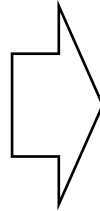


ADD SCENES (CONT'D)

To make use of your new Scenes, see the section, "**Scenes Control**" on page 43.

Note: When adding control panel **Security** items (like **Arm Stay** in the example below), you must add the user code to the **Scene Creation** screen. As shown in the example below, tap **CODE** in the **Setting** column to open the **Enter the Security Code** screen. Tap in the empty field to open the keyboard to add your user code as required.

SECURITY WARNING: If you create a Scene or Event that involves arming the alarm control panel and the system is configured to use the NAPCO "Classic" keypad style, then ensure the User Code entered into the Scene or Event configuration screens is an "ARM ONLY" Code. If not, subsequent activation of the Scene or Event will disarm the alarm panel.



ADD EVENTS

An Event is composed of up to **three** elements. To summarize: An event ("**Trigger**") occurs and a selected response ("**Action**") will then occur, provided certain conditions ("**Restrictions**") are met. Examples include:

- **Trigger:** A security alarm control panel event initiated either by the user (such as the opening of the garage door or an entrance door) or by the system (such as a Burglary alarm or the arming or disarming of the system) or by a date, time of day or day of week.
- **Action:** An Action is simply what should happen when a Trigger occurs. A response to a Trigger could include turning a light on or off, the activation of an existing **Scene** or a command to begin a change in a thermostat setting. Any piece of equipment that can be controlled through the various Automation Management screens can be programmed as an Action. Up to 10 Actions are allowed per Trigger.
- **Restriction:** Select limitations that, if met, will allow the Action. Examples include time of day limitations, day of week limitations and security alarm zone status conditions.

Event Example: For an Event named **Arrive at Home:** Opening the garage door zone ("**Trigger**") will turn on all lights ("**Action**") but only between 5 PM and 10 PM ("**Restriction**") to avoid waking others in the home who might be sleeping.

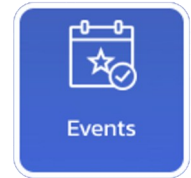
Step through each of these three elements as follows:

1. Add a Trigger

Tap Add Event. Type the name of your new Event in the **Enter Event Name** field by tapping the empty field to open the keyboard (you can always go back later and edit the name). For example, type "**Arrive at Home**".

In the **Trigger For** screen (shown at right), define the Trigger as either a **SECURITY EVENT**, or for a yearly "**DATE**" or weekly ("**RECURRING**") recurrence pattern, defined below:

- **SECURITY EVENT:** Tap the big pull-down field to select a security alarm control panel event. If additional data needs

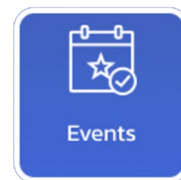


ADD EVENTS (CONT'D)

to be added (such as a **Code**, a **Relay** number or a **Zone** number, tap the field that appears to add the data as necessary. For example, selecting **PANEL DISARM** will require a User Code to be entered in the "**User ID**" field that appears.

- **DATE:** Program a yearly recurrence pattern. For example, "*Every May 12 at 4 PM Trigger the Action*". First tap the **Date** radio button, then tap the blank fields to select a **Month**, **Day** and **Start Time**. Remember to select the **End Time** of the Trigger to end the Event (see Note below).
- **RECURRING:** To program a daily or weekly recurrence pattern for the Trigger: Tap the **Recurrence** button, then tap to highlight each day the Trigger will start the Event; also tap to select the **Start Time** and **End Time** of the Trigger (see Note below).

Note: The **End Time** applies only to switch devices (returned to their original state after the **End Time** passes). The **End Time** field is ignored for all Action devices that are not switches (default is **None**).

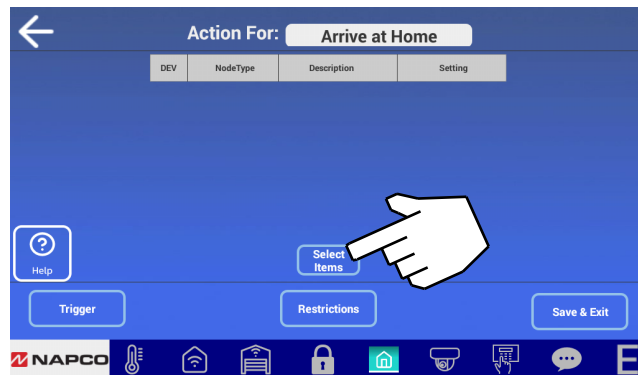


2. Add an Action

Tap the **Actions** button to open the **Action For** screen (shown at right), then tap the **Select Items** button to select from a list of available Actions (up to 10 Actions allowed per Trigger). Tap in the **#** column to highlight each Action to add, then tap **Done**. All Actions selected are then listed in the **Action For** screen.

Configure each Action in its **Setting** column as required. For example, the **Setting** column for a switch device can be set to either "**ON**" or "**OFF**"; the setting for a thermostat will open a **Climate Control** screen to allow the temperature to be set.

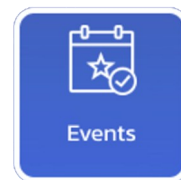
3. Add a Restriction (optional)



ADD EVENTS (CONT'D)

Tap the **Restrictions** button to open the **Restriction For** screen (shown below). The Action(s) to occur upon the Trigger event can be restricted by requiring a specific zone status to be "true". Configure as follows:

- **ZONE STATUS IS:** Check to enable the **Zone #** and **Status** table whereby the Action(s) will be performed only if the table fields are "true". Tap the blank **Zone #** field(s) to open the keyboard and type the zone number (press **Done** to save). Then tap the **Status** field for that zone and select either "**Open**", "**Closed**" or "**Alarm**".



When finished, tap the **Save & Exit** button to save your settings and enable the Event.

Tap the "back" arrow (at the top left) to return to the **Automation Management** screen.

SECURITY WARNING: If you create a Scene or Event that involves arming the alarm control panel and the system is configured to use the NAPCO "Classic" keypad style, then ensure the User Code entered into the Scene or Event configuration screens is an "ARM ONLY" Code. If not, subsequent activation of the Scene or Event will disarm the alarm panel.

Restriction For: **Arrive at Home**

ONLY PERFORM ACTIONS IF THE FOLLOWING IS TRUE:

☒ ZONE STATUS IS:

ZONE #	STATUS	ZONE #	STATUS
	OPEN		OPEN
	OPEN		OPEN

☐ TIME IS BETWEEN: START TIME **NONE** END TIME **NONE**

☐ DAYS ARE: **MON** **TUE** **WED** **THU** **FRI** **SAT** **SUN**

Trigger

Actions

Save & Exit

NAPCO

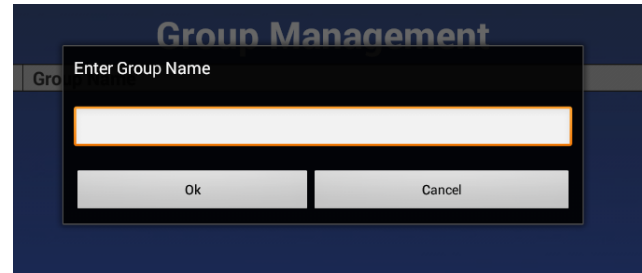
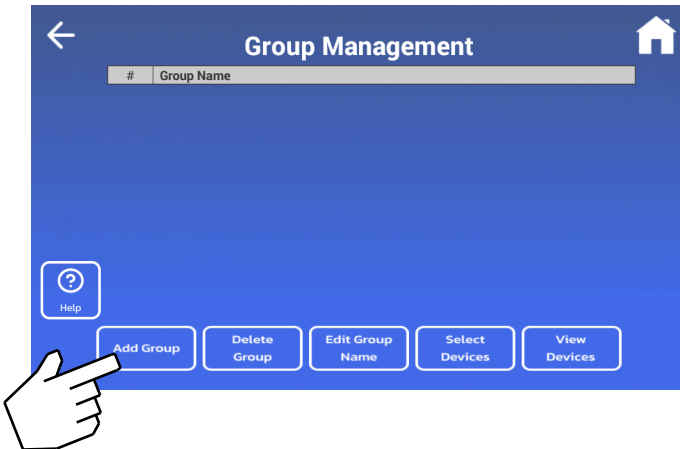
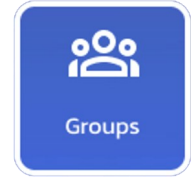
ADD GROUPS

Groups help to organize Z-Wave devices in large installations, making them easy to locate. For example, add a Group named "Dining Room" for all Z-Wave lights and switches located in that room. Devices can be added to two or more Groups.

To add a new Group:

1. Tap **Add Group**.

In the **Enter Group Name** screen, tap the text field to open the keyboard. Type a new name of the Group (for example, "Den" for all devices located in that room). When finished, tap **Done**, then tap **OK** to save (or **Cancel** to exit without saving).

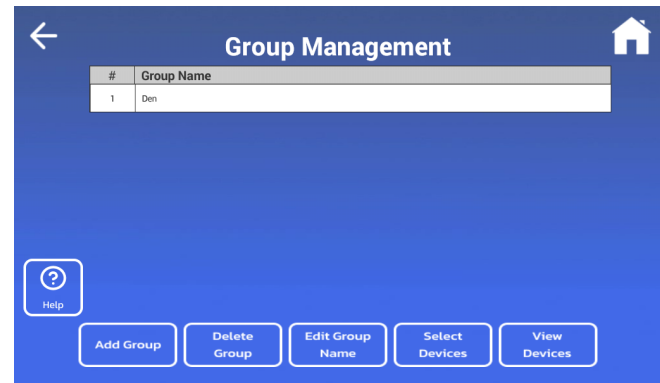
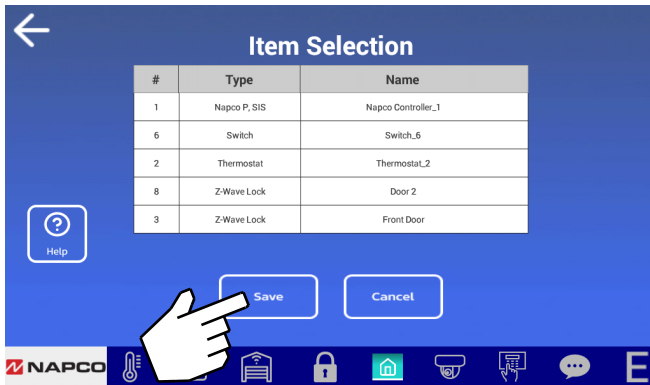
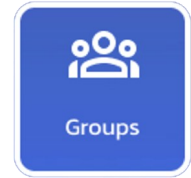


ADD GROUPS (CONT'D)

2. In the **Item Selection** screen that automatically appears (shown below left), *scroll* through the list and tap in the **#** column to highlight the devices you wish to add. When finished, tap **Save**.

Only the devices that remained highlighted when **Save** was tapped will be added to the Group. The **Group Management** screen automatically appears (shown below right) listing all Groups.

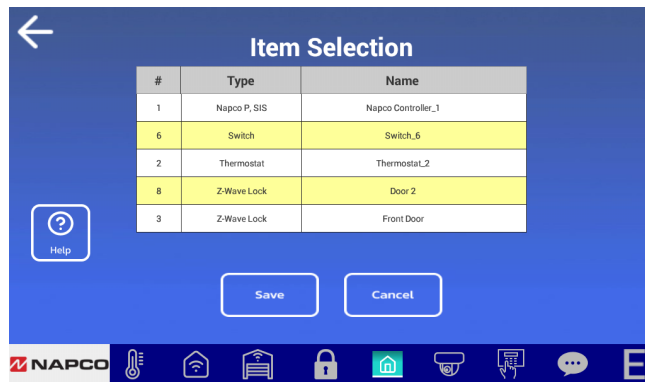
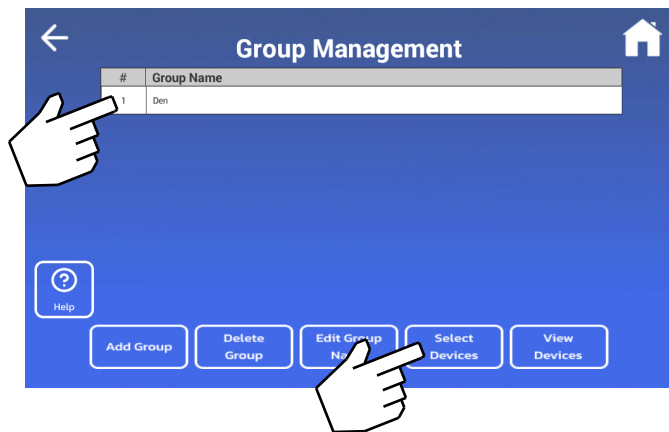
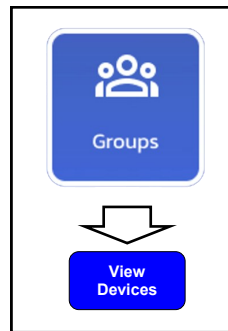
In the **Group Management** screen, to add or remove the devices in a Group, simply tap in the **#** column to select the Group, then tap **Select Devices** (see next page).



GROUPS: SELECT DEVICES

To add or remove the devices within an existing Group:

1. In the **Group Management** screen (shown below left), tap in the # column to select the Group Name you wish to view.
2. Tap the **Select Devices** button.
3. In the **Device Selection** screen that appears, scroll through the list to view the devices in the Group. To make changes, scroll through the list and tap in the # column to highlight the devices you wish to add. When finished, tap **Save** to return to the **Group Management** screen.

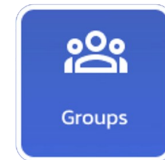


GROUPS: VIEW DEVICES

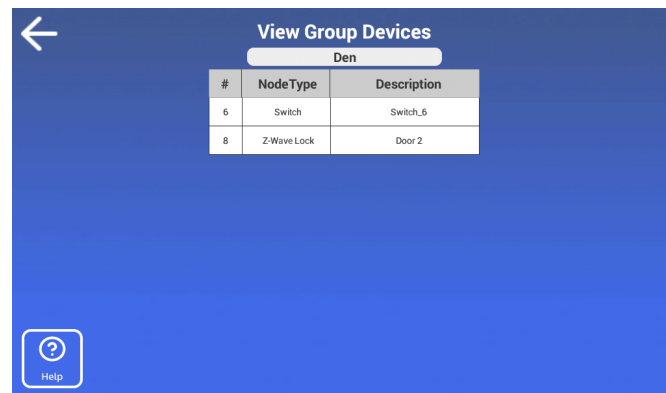
To view the devices within an existing Group:

1. In the **Group Management** table (shown below left), tap in the **#** column to select the Group Name you wish to view.
2. Tap the **View Devices** button.
3. In the **View Group Devices** screen that appears, scroll through the list to view the devices in the Group.

Tap the "back" arrow (at the top left) to return to the **Group Management** screen.



View
Devices



USING YOUR SYSTEM: CLIMATE CONTROL

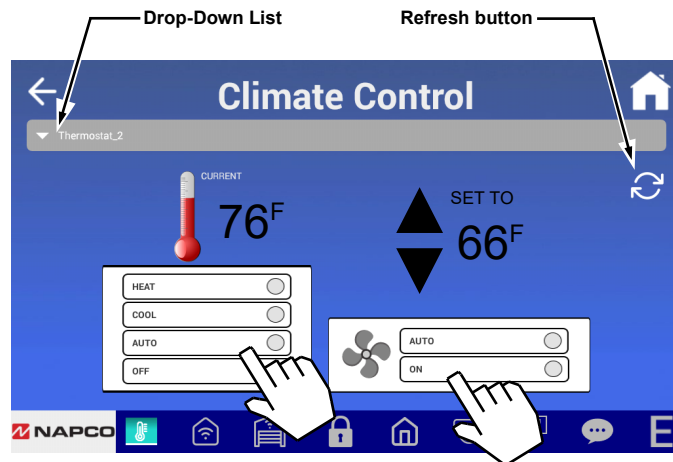
To control the Z-Wave enabled thermostats within your system:

1. In the **Home Screen**, tap **Climate**.
2. In the **Climate Control** screen (shown below), tap the "Drop-Down List" to select the thermostat you wish to control.
3. All features of the selected thermostat model are available to be controlled wirelessly, including the ability to:
 - View the current temperature of the monitored room (displayed under the word "**CURRENT**");
 - Change the heat and cool set-point temperature degree setting (tap the up/down arrows next to the words "**SET TO**";
 - Turn the heating and cooling system on or off;
 - Tap **Auto** to run pre-programmed temperature settings

Note: The "**SET TO**" option is not available when the thermostat is set to **Off**.

Tap the "back" arrow (at the top left) to return to the NAPCO Security Application **Home Screen**.

Note: To update the screen and display the latest information, tap the "**Refresh**" button, at right.



USING YOUR SYSTEM: CLIMATE CONTROL (CONT'D)

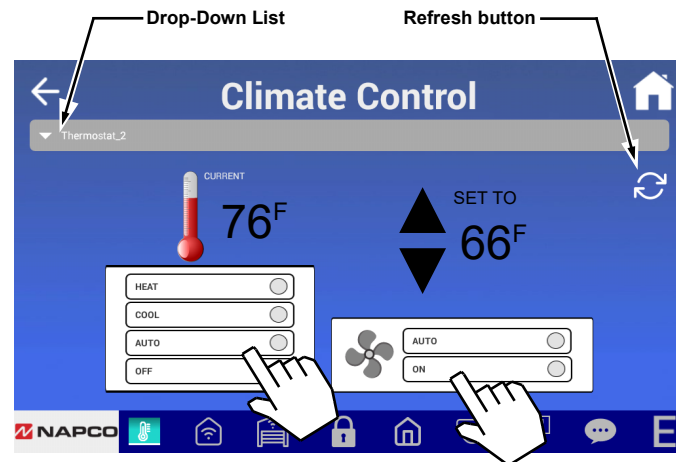
AUTO: Pre-programmed Temperature Settings

To run pre-programmed temperature settings:

1. In the **Home Screen**, tap **Climate**.
2. In the **Climate Control** screen (shown below), tap the "Drop-Down List" to select the thermostat you wish to control.
3. The left side of the screen, under **CURRENT**, the existing settings of the physical thermostat at the premises are displayed (the app requests the latest status when this Climate Control screen opens). Tap **AUTO** on the left side of the screen to select. On the right side of the screen, the fan selection will automatically select **AUTO** to allow the fan to turn on or off, as needed, to cool/heat the temperature that was set under **SET TO**.

As shown in the example image at right, the cooling system thermostat is set to 73°F, the current temperature at the premises is 75°F, and the heating thermostat is set to 69°F.

Note: **Auto Mode** does not display the current heating and cooling temperature setpoints.



USING YOUR SYSTEM: CLIMATE CONTROL (CONT'D)

Override Setpoint

If the thermostat at the premises is set to a temperature outside the pre-programmed range set by the app, or if the app is used to set a temperature outside the range that was pre-programmed, a warning popup will appear (example shown below).

- Tap **Yes** to override and accept the value that is outside the pre-programmed range (i.e. ignoring the pre-programmed range)
- Tap **No** to discard changes and stay within the existing pre-programmed range

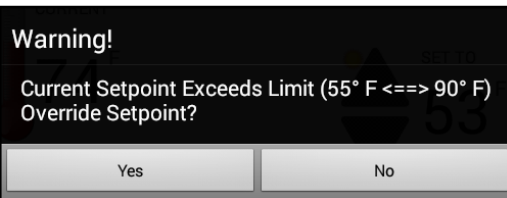
Note: When allowing the app to override the pre-programmed range (tapping **No**), be aware that the app may not immediately display the new temperature setting (having not received the new setting from the Z-Wave thermostat). Therefore, tap the **REFRESH** button to connect to (communicate with) the thermostat, retrieve the current temperature setting and update the app display with that setting. An image of the **REFRESH** button (the "circular arrow" icon) is shown at right. Be aware that some thermostats may restrict settings below a certain temperature and some may require a 3 or 5 degree "gap" between the heating and cooling settings (for example, thermostat brand ABC heat setting must be at least 3 degrees below the cool setting. Examples that satisfy this "gap" requirement: Heat=68, cool=71; heat=65, cool=75; heat=66, cool=74 (consult the manu-

facturer's specifications).

For thermostats without temperature restrictions, if you wish to set below the pre-programmed range (55°F in the above example), you must press and hold the **SET TO** "down arrow" for 2-3 seconds until the low limit temperature setting displayed blinks in blue color (and the aforementioned "**Warning**" popup appears).



REFRESH
Button



Conflicting Settings

Be aware that some thermostats may allow for settings that are incompatible or contradictory, and therefore may only result in wasted energy.


For example, if the **HEAT** is set to 72°F, and **COOL** is set to 68°F, the heating and cooling system will continually struggle to reach a final temperature that is ultimately unattainable, thus wasting energy. *Therefore, do not set a **HEAT** temperature higher than the temperature set to **COOL**.*

USING YOUR SYSTEM: AUTOMATION


The **Automation** screen allows you to view and control all of your Z-Wave enabled devices. Tap the "Drop-Down List" to view a list of Groups in the system. By default, all dimmers and switches are assigned to the "**All Lights**" Group when first added to the system. For example, to view all lights:

1. In the NAPCO Security Application **Home Screen**, tap **Automation**.
2. In the **Automation** screen (shown below), tap the "Drop-Down List" to select **All Lights**. All Devices with the Type name of "Light" will be listed. In the example shown below, a Device with the name of "Dimmer" is listed first, accompanied by its activation slide bar.


Near the bottom are three buttons:



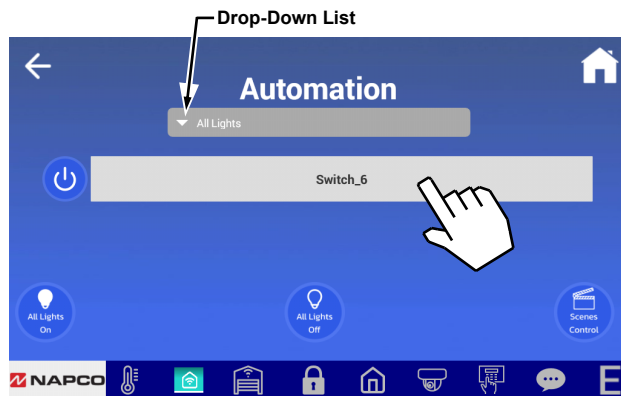
All Lights On: Tap to turn on all lights in the system.



All Lights Off: Tap to turn off all lights in the system.



Scenes Control: Tap to open the Scenes Control screen that displays a button for each created Scene in the system. See next page for details.



Tap the "back" arrow at the top left to return to the **Home Screen**.

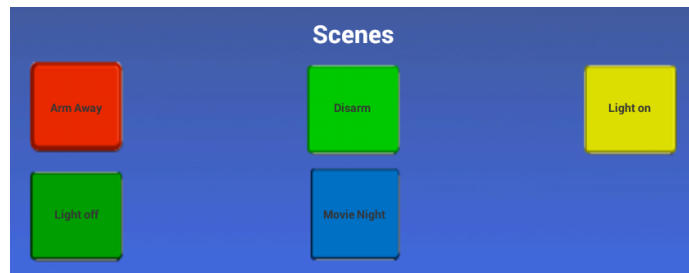
USING YOUR SYSTEM: SCENES CONTROL

Turning on a Scene adjusts Z-Wave devices and security system components according to predetermined settings to create a particular atmosphere, effect, or other desired task. To access all of the Scenes in your system:

1. In the NAPCO Security Application **Home Screen**, tap **Automation**.
2. Tap the **Scenes Control** button.
3. In the **Scenes** screen (shown below), each existing Scene in the system appears as a button. To turn on a Scene, simply tap its button.

Using an example in the screen below, "**Disarm**" is used after disarming your alarm system. In this example, the foyer lights near the entry door are turned on, the thermostat temperature is turned to a pre-set temperature and the living room dimmer lights adjust to 80%.

Scenes are powerful tools for home automation because they allow a simple press of a button to control complex tasks, greatly enhancing the user experience.



USING YOUR SYSTEM: GARAGE DOOR

The **Garage Door** utility allows you to control and monitor the status of garage doors in your iBridge Z-Wave system. To open a garage door, simply tap the **Garage Door** icon located on the Home Screen (see the cover of this guide, and the image of the icon shown at left). The first screen that appears, shown below, allows you to select the individual garage door you wish to control.



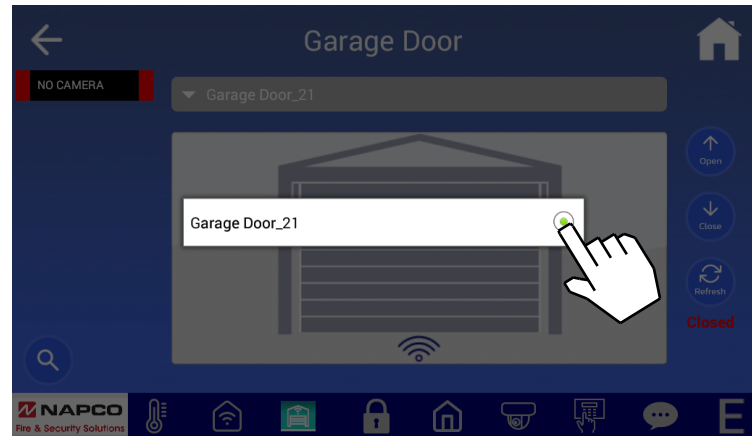
The **Garage Door** utility includes three basic functions (see buttons shown at right):

1. Open the door: Tap **OPEN** (green button)
2. Close the door: Tap **CLOSE** (red button)
3. Retrieve the door status: (Tap **REFRESH** (blue button)

When either the **OPEN** or the **CLOSE** button is tapped, *all three buttons* are disabled for 30 seconds (buttons are grayed out and cannot be activated). This prevents conflicting signals and to ensure the door operates safely, predictably and without damage.

The garage door opener hardware includes a "tilt sensor" attached to the inside of the garage door that reports the "open" or "closed" status to the iBridge app.

Always follow the Z-Wave garage door opener manufacturer's instructions carefully, and always stay clear of the garage door when in operation.



USING YOUR SYSTEM: GARAGE DOOR (CONT'D)

Status Messages

The real-time status of the garage door is always displayed in the lower right corner. Normal status messages include **Closed**, **Open**, **Moving to Open** and **Moving to Close**. Rarely, the message **Stopped** will appear. If **Stopped** appears, see the next section for the action to take.



Notification Message "STOPPED"

If the garage door does not fully open or fully close after tapping the **OPEN** or **CLOSE** buttons, the app will permit a second open/close operation. If the second attempt does not fully open or close the garage door, the system will disable the app buttons, requiring the local wall console pushbutton be used to re-synchronize the system. Another possible reason for a "STOPPED" condition may be caused by the inability of the tilt sensor to communicate with the garage door opener (check and change the battery in the tilt sensor, if necessary).



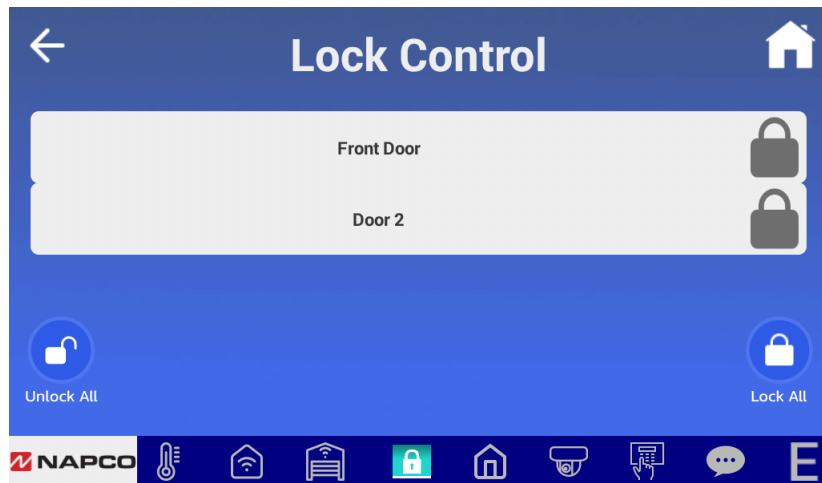
USING YOUR SYSTEM: LOCK CONTROL

If your system includes Z-Wave locking devices, the **Lock Control** screen allows you to control each lock individually, or all of them simultaneously. To access all of the Scenes in your system:



1. In the NAPCO Security Application **Home Screen**, tap the **Lock Control** icon (shown at the top right).
2. The **Lock Control** screen that appears is very simple: Tap a lock listed to change its state (lock or unlock).

If you wish to control all locks, tap **Unlock All** or **Lock All**.



USING YOUR SYSTEM: VIDEO

If your system has video cameras, tap the **Video** button (at the bottom of the screen) to view real-time video feed.

You can tap one of the images to enlarge, or scroll down and tap one of the other images. To enroll a camera, first activate the camera at www.NapcoComNet.com, then click the "+" icon (see **"Video" Button > Enroll Cameras** for instructions).



Back - Tap the "back" arrow located at the top left to return to the previous screen.



Locking Devices - (optional) Tap to access the Z-Wave door locking devices in your system.



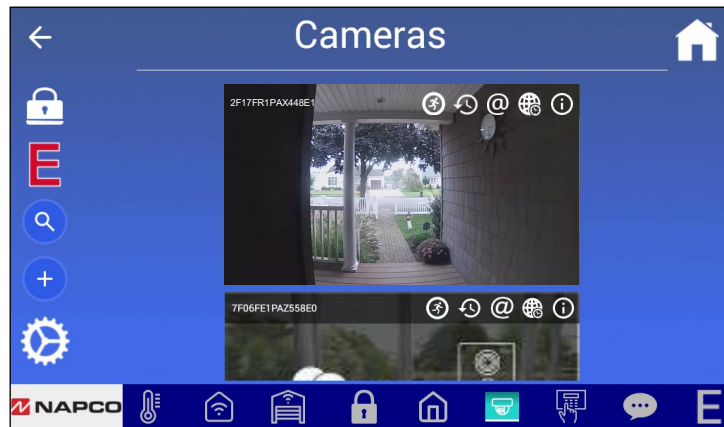
Emergency Buttons - Tap to signal a Fire, Police or Auxiliary (for example, medical) emergency. Only available if programmed, then always active.



Camera Discovery - Tap to initiate the network scanning process to find all cameras attached to the current network (in preview screen).



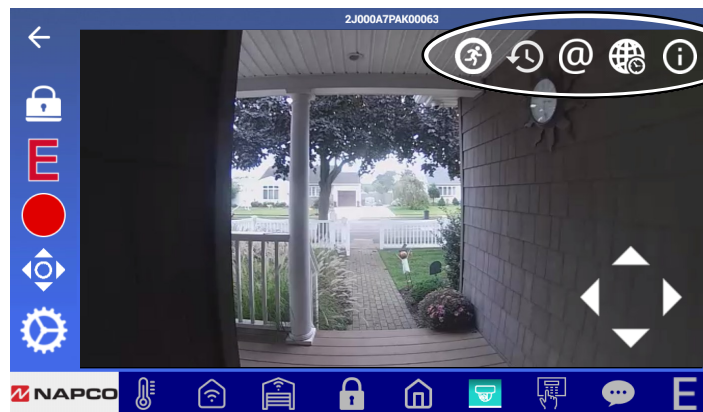
Add Camera - Jumps directly to the **Wifi Config** screen (shown on page 50), where you can select a method to enroll a camera into your app.



Live video feed.

(continued)

USING YOUR SYSTEM: VIDEO (CONT'D)



Live video feed of cameras in your system



Record - Tap to start recording a 10 second live video segment; saved to your local device.



Pan/Tilt - (Optional; for use with pan/tilt cameras only). Tap the directional arrows to pan (left-right) and tilt (up/down) the camera lens.



User / Dealer Settings - Tap to go to **User Settings**. Press and hold to go to **Dealer Settings**.



Motion Trigger Setup - Tap to enable and set motion detection areas. When enabled, notifications and alerts can be sent when motion detection movement is sensed (see **Email Configuration**, below).



Recorded Video - Tap to access a chronological list of all past snapshots and videos stored in your local smart device (see page 49).



Email Configuration - Tap to add the email address that will receive motion-triggered video clip email notifications.

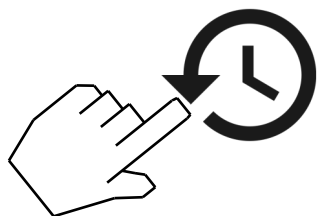


Time Zone Configuration - Tap to set your time zone. Also allows you to enable or disable Daylight Saving Time (**DST**).



Camera Info - Tap to access information about the camera, including its unique Serial Number and MAC address embedded at the factory, its current firmware Version and the currently assigned network IP Address.

RECORDED VIDEO



If your system has video cameras, tap the **Recorded Video** button to access a chronological list of all past snapshots and videos stored in your local smart device.

The **Recorded Video** selection has several options, detailed at right.

If you want to enroll a camera, first activate the camera at www.NapcoComNet.com, then click the "+" icon (see **"Video" Button > Enroll Cameras** for step by step instructions).

Recorded Video - Tap to access a chronological list of all past snapshots and videos stored in your local smart device.

- **Stored Video:** Enable to allow video to be stored on your local device.
- **Triggered Video:** Enable to allow videos to be stored that were recorded due to motion detection (see Motion Trigger Setup on page 48).
- **On Demand Video:** Enable to allow the manual recording of live video (to be stored on your local device).
- **Search:** Tap to allow for quick searches of videos by entering the date and time in the following format: YYYY MM DD.

Stored Video: ☐ OFF

Triggered Video: ☒ ON

On Demand Video: ☒ ON

2026-01-23 00:00:00

2026-01-23 23:59:59

Search

NAPCO

ENROLL CAMERAS

Note: Enrollment procedure is similar for the **IBV-DBELL Video Doorbell**. Refer to the instructions included with the unit.

iBridge Wifi Config

Please connect your iBridgeCamera to your router with a network cable.
Then enter router's password and camera's serial number.

- ☒ Configure WiFi using Ethernet ☐ Configure WiFi wirelessly ☐ Configure Hardwired or PoE Cameras

Camera Enrollment

After activating the camera at www.NapcoComNet.com, there are 3 configuration methods that can be used to enroll your camera into your app:

- A. Configure Wi-Fi using Ethernet**
- B. Configure Wi-Fi wirelessly**
- C. Configure Hardwired or PoE Cameras**

Tap one of the 3 radio buttons to select the configuration method (full instructions for each detailed below). If cameras will be configured to your subscriber's Wi-Fi router using an Ethernet cable (method "A", above), we recommend performing this procedure with your mobile device in the same room as the wireless router or access point before mounting the camera (also be sure the final mounting location is within wireless range of the router / access point). Perform the enrollment procedure with your mobile device connected to the local 2.4GHz Wi-Fi network and after logging into your iBridge app:

iBridge Wifi Config

Please connect your iBridgeCamera to your router with a network cable.
Then enter router's ssid, password and camera's serial number.



- ☒ Configure WiFi using Ethernet ☐ Configure WiFi wirelessly ☐ Configure Hardwired or PoE Cameras

Serial No. :

Wifi SSID :

Wifi Password :

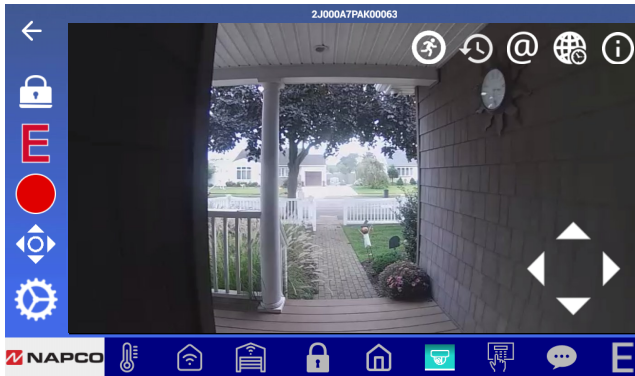
☐ Show

A. Configure Wi-Fi Using Ethernet

This method requires temporary use of an RJ-45 Ethernet network cable to make the network connection to the camera.

1. Power camera. Wait for the camera green LED to flash slowly.
2. Connect the camera to the router using the RJ-45 cable.
3. Tap the "QR Code Magnifying Glass" icon (located to the right of the **Serial No.** field). Use the mobile device's camera to scan the QR code of the video camera you wish to enroll (or tap within the **Serial No.** field to type the characters manually).

ENROLL CAMERAS (CONT'D)



Live video feed of multiple cameras in your system

A screenshot of the 'iBridge Wifi Config' screen. The title 'iBridge Wifi Config' is at the top. Below it, the text 'Please enter router's ssid, password and camera's serial number.' is displayed. There are three radio buttons: 'Configure using Ethernet' (selected), 'Configure WiFi wirelessly', and 'Configure Hardwired or PoE Cameras'. Below the radio buttons, there are three input fields: 'Serial No.' with the value 'i.e. 2K01D4BYAG00061', 'Wifi SSID' with the value 'stayout', and 'Wifi Password' with the value 'Password'. A 'Show' button is next to the password field. A red arrow points to the 'Configure WiFi wirelessly' radio button.

4. Type the **Wifi SSID** and **Wifi Password** of the Wi-Fi network to which your mobile device is connected, then tap **CONFIGURE**.

Important: Be sure the password is typed correctly or the camera will not connect to your wireless network (tap **Show** if you wish to view the characters).

5. Wait for the Wi-Fi connection to complete. When finished, the live video feed will appear.

If Camera Does Not Connect

As you enroll multiple cameras, keep the cameras physically separated to avoid Wi-Fi signal interference. Move the mobile device closer to the router and retry. Verify the Wi-Fi password and SSID are on 2.4GHz wireless network. Reset the camera (see the **Factory Reset** section in the instructions that came with the camera), then repeat the above steps.

B. Configure Wi-Fi wirelessly

With this method, the network connection to the camera is configured wirelessly.

1. Power camera. Wait for the camera green LED to flash slowly.
2. Tap the "QR Code Magnifying Glass" icon (located to the right of the **Serial No.** field). Use the mobile device's camera to scan the QR code of the video camera you wish to enroll (or tap within the **Serial No.** field to type the characters manually).
3. Type the **Wifi SSID** and **Wifi Password** of the Wi-Fi network to which your mobile device is connected, then tap **CONFIGURE**.
Important: Be sure the password is typed correctly or the

ENROLL CAMERAS (CONT'D)

camera will not connect to your wireless network (tap **Show** if you wish to view the characters).

4. Wait for the Wi-Fi connection to complete. When finished, the live video feed will appear.

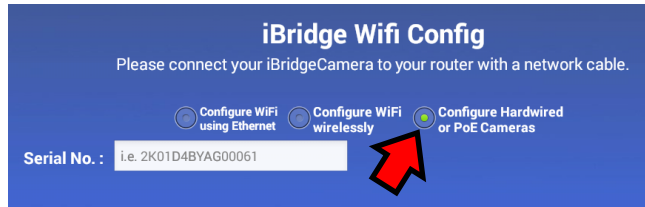
If Camera Does Not Connect

As you enroll multiple cameras, keep the cameras physically separated to avoid Wi-Fi signal interference. Move the mobile device closer to the router and retry. Verify the Wi-Fi password and SSID are on 2.4GHz wireless network. Reset the camera (see the **Factory Reset** section in the instructions that came with the camera), then repeat the above steps.

C. Configure Hardwired or PoE Cameras

Use this method when you wish to connect the camera to the subscriber's router using a permanently installed Ethernet cable.

1. Power camera. Wait for the camera green LED to flash slowly.
2. Tap within the **Serial No.** field and manually type the characters of the video camera serial number.
3. Tap **CONFIGURE**. Wait for the connection to complete. When finished, the live video feed will appear.



If Camera Does Not Connect

Verify all physical plug/socket and power connections. Verify the serial number was typed correctly. If the camera still does not connect, verify the subscriber's router is not limiting the number of IP addresses it can assign to a device, or limiting the MAC addresses to which it can communicate ("MAC address filtering"). If still unable to connect, try rebooting the camera and the subscriber's router, then verify the Wi-Fi password and SSID are on 2.4GHz wireless network. Reset the camera (see the **Factory Reset** section in the instructions that came with the camera), then repeat the above steps.

NOTES

NOTES

NOTES

NAPCO LIMITED WARRANTY

NAPCO SECURITY SYSTEMS, INC. (NAPCO) warrants its products to be free from manufacturing defects in materials and workmanship for thirty-six months following the date of manufacture. NAPCO will, within said period, at its option, repair or replace any product failing to operate correctly without charge to the original purchaser or user.

This warranty shall not apply to any equipment, or any part thereof, which has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to acts of God, or on which any serial numbers have been altered, defaced or removed. Seller will not be responsible for any dismantling or reinstallation charges.

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THERE IS NO EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. ADDITIONALLY, THIS WARRANTY IS IN LIEU OF ALL OTHER OBLIGATIONS OR LIABILITIES ON THE PART OF NAPCO.

Any action for breach of warranty, including but not limited to any implied warranty of merchantability, must be brought within the six months following the end of the warranty period.

IN NO CASE SHALL NAPCO BE LIABLE TO ANYONE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY THE SELLER'S OWN NEGLIGENCE OR FAULT.

In case of defect, contact the security professional who installed and maintains your security system. In order to exercise the warranty, the product must be returned by the security professional, shipping costs prepaid and insured to NAPCO. After repair or replacement, NAPCO assumes the cost of returning products under warranty. NAPCO shall have no obligation under this warranty, or otherwise, if the product has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to accident, nuisance, flood, fire or acts of God, or on which any serial numbers have been altered, defaced or removed. NAPCO will not be responsible for any dismantling, reassembly or reinstallation charges.

This warranty contains the entire warranty. It is the sole warranty and any prior agreements or representations, whether oral or written, are either merged herein or are expressly canceled.

THE FOLLOWING STATEMENT IS REQUIRED BY THE FCC.

This equipment generates and uses radio-frequency energy and, if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class-B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by

NAPCO neither assumes, nor authorizes any other person purporting to act on its behalf to modify, to change, or to assume for it, any other warranty or liability concerning its products.

In no event shall NAPCO be liable for an amount in excess of NAPCO's original selling price of the product, for any loss or damage, whether direct, indirect, incidental, consequential, or otherwise arising out of any failure of the product. Seller's warranty, as hereinabove set forth, shall not be enlarged, diminished or affected by and no obligation or liability shall arise or grow out of Seller's rendering of technical advice or service in connection with Buyer's order of the goods furnished hereunder.

NAPCO RECOMMENDS THAT THE ENTIRE SYSTEM BE COMPLETELY TESTED WEEKLY.

Warning: Despite frequent testing, and due to, but not limited to, any or all of the following: criminal tampering, electrical or communications disruption, it is possible for the system to fail to perform as expected. NAPCO does not represent that the product/system may not be compromised or circumvented; or that the product or system will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; nor that the product or system will in all cases provide adequate warning or protection. A properly installed and maintained alarm may only reduce risk of burglary, robbery, fire or otherwise but it is not insurance or a guarantee that these events will not occur. CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE, OR OTHER LOSS BASED ON A CLAIM THE PRODUCT FAILED TO GIVE WARNING. Therefore, the installer should in turn advise the consumer to take any and all precautions for his or her safety including, but not limited to, fleeing the premises and calling police or fire department, in order to mitigate the possibilities of harm and/or damage.

NAPCO is not an insurer of either the property or safety of the user's family or employees, and limits its liability for any loss or damage including incidental or consequential damages to NAPCO's original selling price of the product regardless of the cause of such loss or damage.

Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusion or limitation of incidental or consequential damages, or differentiate in their treatment of limitations of liability for ordinary or gross negligence, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: reorient the receiving antenna; relocate the computer with respect to the receiver; move the computer away from the receiver; plug the computer into a different outlet so that computer and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, DC 20402; Stock No. 004-000-00345-4.