2GIG

2GIG[®] **Security & Automation System**

GC2e Z-Wave Installation Guide
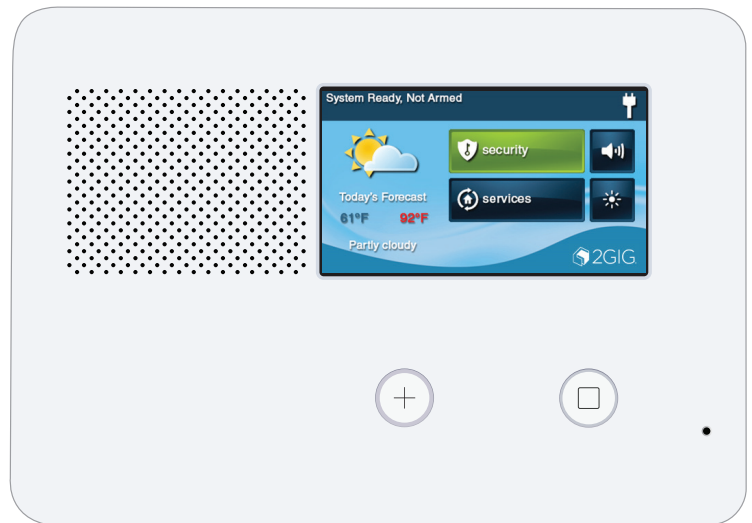
NORTEK CONTROL

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Contents

Introduction

The 2GIG GC2e Security Panel is also a Security Enabled Z-Wave Plus home automation controller. This product can be operated with other Z-Wave certified devices from other manufacturers. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network. It is compatible with both Z-Wave Plus with S2 Security and Legacy S0 Z-Wave automation devices.

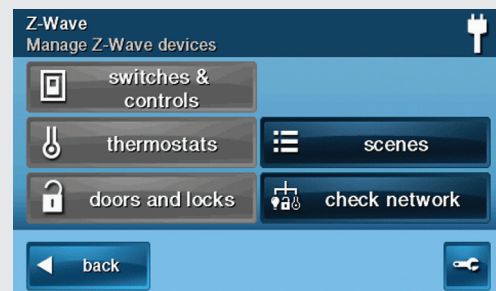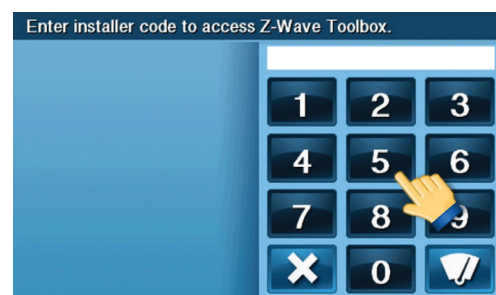|	
Accessing the Z-Wave Toolbox The Z-Wave toolbox is accessed through the services menu from the Home Screen. » Press the **services** button.	
» Press the **Z-Wave** button.	
» Press the **wrench** button.	
» Enter Installer Code. **Notes:** » The "default" **Installer Code** is 1561. » If Q85 is enabled in system configuration, the master user code may be used to access the Z-Wave Toolbox.	
The Z-Wave Toolbox appears.	
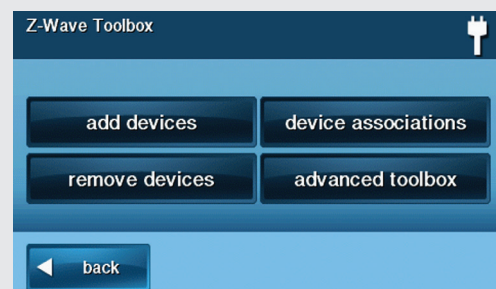
Adding Devices

» From the Z-Wave Toolbox, press the **add devices** button.

The panel will begin listening for new Z-Wave Device
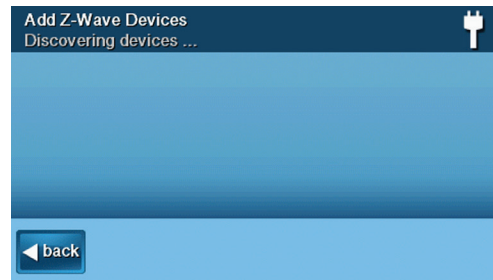
Follow the device manufacturing procedure for putting the device into add/remove mode.

When the new Z-Wave device is discovered, the information will be displayed on the learn screen.

Note: If you are adding a legacy S0 device, learning is complete.
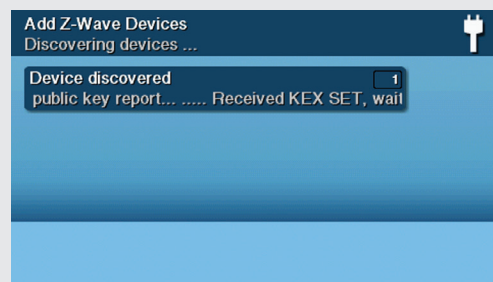
» Enter the Z-Wave Plus devices DSK provided with the devices instructions or on the device itself and press the **SUBMIT** button.

When the learn process completes, the device and node info will be displayed.

» If all devices have been added, press the **back** button to return to the Z-Wave toolbox.
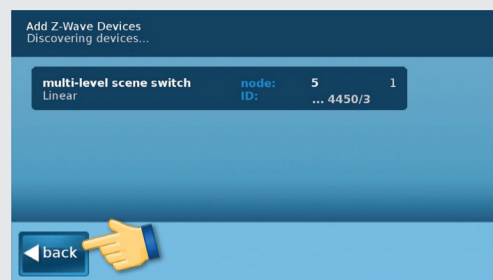
Z-Wave Add Failures

Inclusion Failure

If a Z-Wave device fails due to a security inclusion failure, the following screen will be displayed:

» Press the **Remove Failed Devices** button.
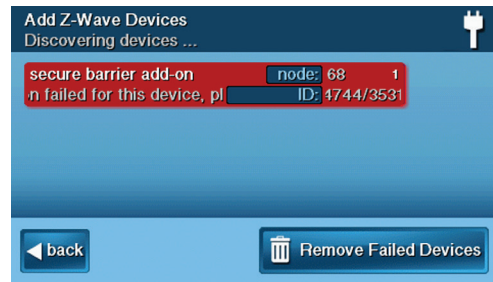
» Select **OK**.
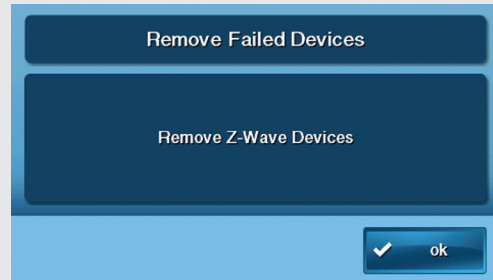
The panel will display the Remove Z-Wave Devices screen.

» Press the **learn** button on the device to remove the device.
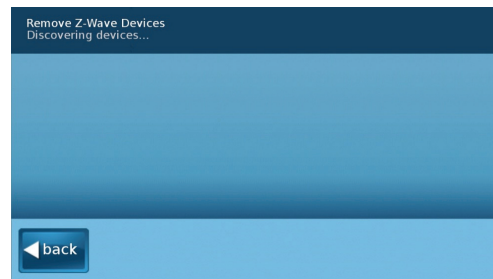
The panel will display confirmation that the device has been removed.
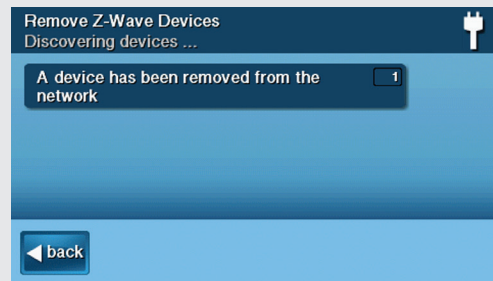
Missing Information

If a device is missing information after its inclusion, the device will display in yellow and will indicate a failure. (Services > Z-Wave > Devices > Switches/Thermostats/ Doors and Locks).
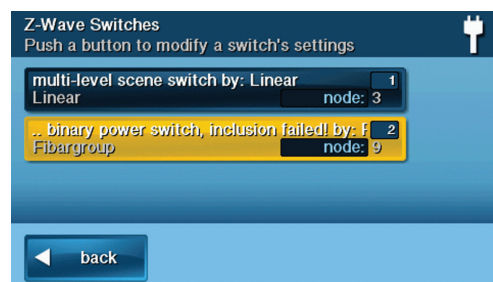
Selecting the device will display this message:
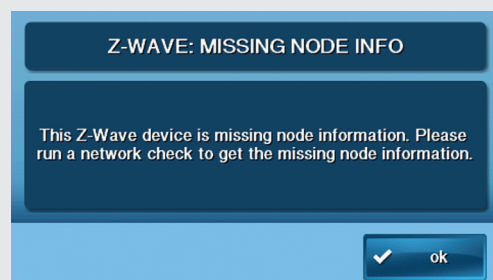
To correct the failure:

» Run "check network" from the "Services > Z-Wave > Devices >" screen.

Note: If running check network does not correct the failure condition, remove and re-add the device to the panel.

Removing Devices

» From the Z-Wave Toolbox, press the **remove devices** button.

Follow the device manufacturing procedure for putting the device into add/remove mode.
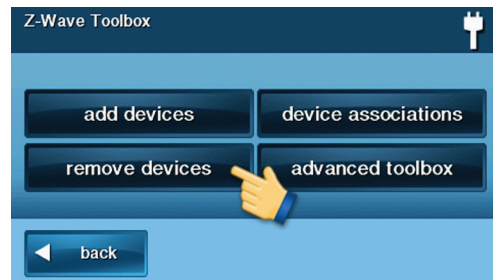
Panel will display when the device has been successfully removed.
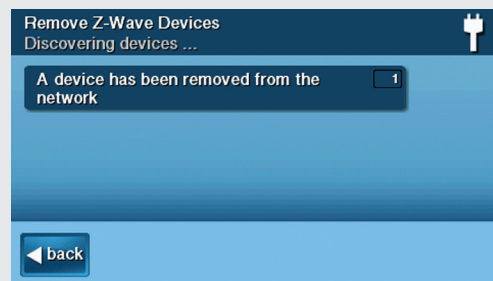
Joining an existing Z-Wave Network

» From the Z-Wave toolbox, press the **advanced toolbox** button..

» To learn the Panel as a Secondary Controller, press the **learn controller** button.

Panel will show that it has entered Z-Wave shift mode.

> Shifting Z-Wave Controller
>
> The panel has entered Z-Wave shift mode. The panel's current Z-Wave controller type is:
> SUC ID Server
>
> ✕ cancel
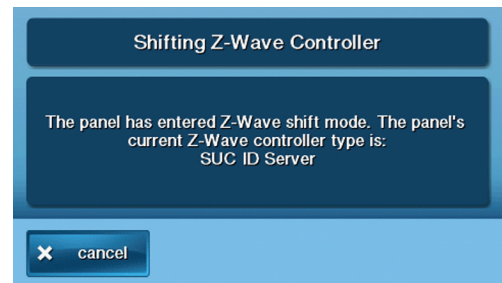
» Enter **Add Controller Mode** on the Primary Controller.

Panel will display status of shift mode process.

> Learning Z-Wave Controller
>
> The panel's Z-Wave controller type has been changed to:
> Secondary SUC
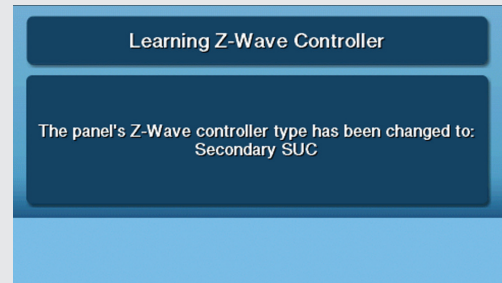
» Enter **Add Controller Mode** on the Primary Controller.

 Note: If the controller is S2, the screens that follow will display.

» Enter the Panel DSK shown on the panel into the existing Controller.

» Press the **ok** button.

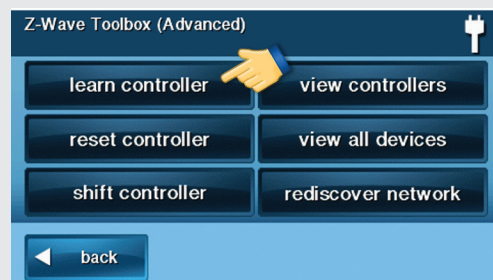> Z-Wave S2 DSK
> Please enter the highlighted key below on the device
>
> S2 DSK: 64321
> 12468-56185-33520-29427-04178-23374-45918
>
> Including node info:
> 26678-57263-00565-27546-22181-00724-12707-47883
>
> ✕ cancel   ✔ ok
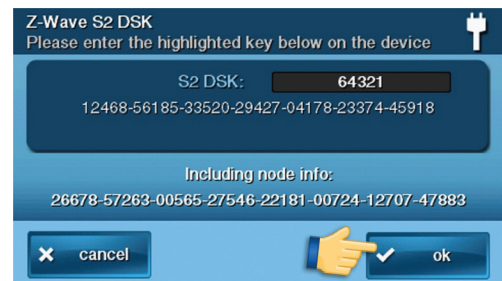
Panel will show that the operation was successful.

» Press the **ok** button to return to Z-Wave Toolbox.

> Learning Z-Wave Controller
>
> The learn operation completed successfully.
>
> ✔ ok
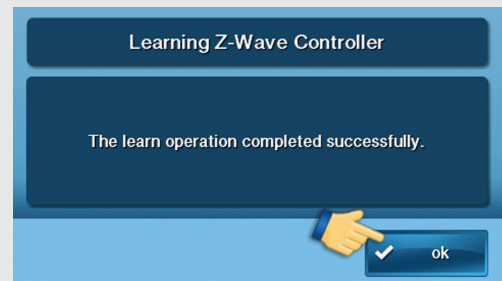
Z-Wave Security Inclusion Failure

If Z-Wave security inclusion fails when attempting to add the panel to another Z-Wave network, the following screens will be displayed:

The Z-Wave button on the Services screen will display red.

Pressing the red Z-Wave button (above) will display the following message.

》 Press the **ok** button.
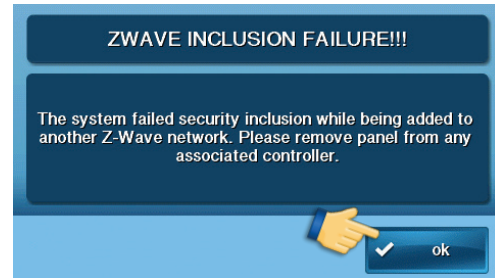
All Z-Wave devices will be grayed out.

In the Z-Wave toolbox > advanced toolbox > view all devices: Controller will show the inclusion failure in yellow.

To correct this failure:

》 Remove the panel from the other network by following the remove process of the other Controller.

》 Press the **learn controller** button in the advanced toolbox screen on the GC2e panel to remove it from the network.
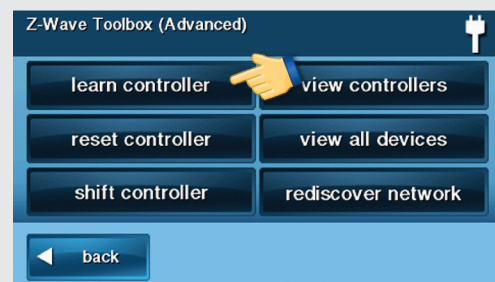
Z-Wave Network Check

To perform a network check, enter the main Z-Wave Menu.

» Press the **check network** button.

Rediscover Z-Wave Network

Enter the Z-Wave toolbox.

» Press the **advanced toolbox** button.

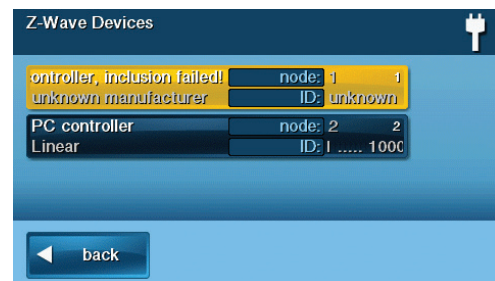» Press the **rediscover network** button.

The panel will go into network rediscovery mode and verify all routes and devices are functioning correctly.

View All Devices

» From the Z-Wave Toolbox, press the advanced toolbox button.

» Press the **view all devices**.

» Panel will display a list of all installed devices.
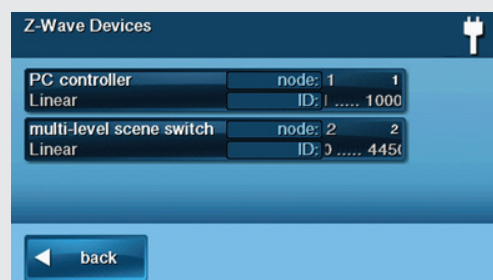
Renaming Z-Wave Devices

» From the "view all devices" screen tap the device you want to rename.
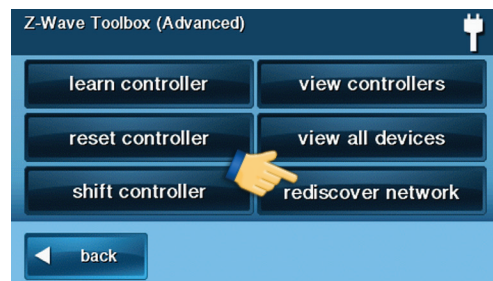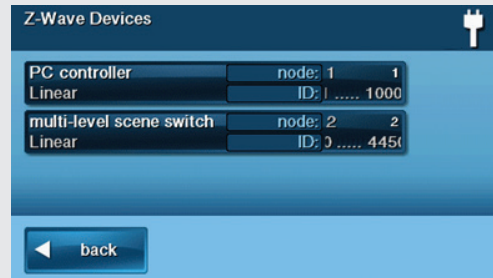

» On the "basic device settings" screen, tap the rename button.
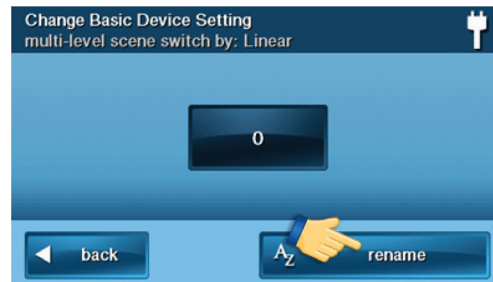
» Enter new name for the device.

Add Users to Z-Wave Lock

Note: This section only applies if Installer Questions Q79 – Z-Wave Feature is set to Option 2 (Enabled on Panel, Remote Access Disabled). If Q79 is set to the default setting 3 (Enabled on Panel, Rules Disabled, Remote Access Enabled) this feature is controlled by the backend provider.

Access the Z-Wave Control

From the Home screen

» Select Services

» Select Z-Wave

» Select Door & Locks

» Select **codes**).

» Enter the Master Code.
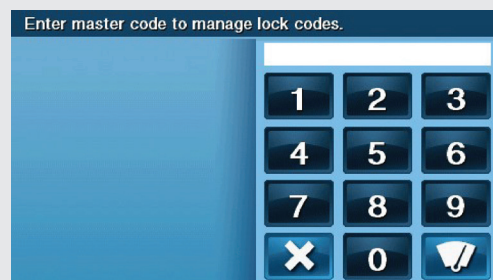
» Select a user.
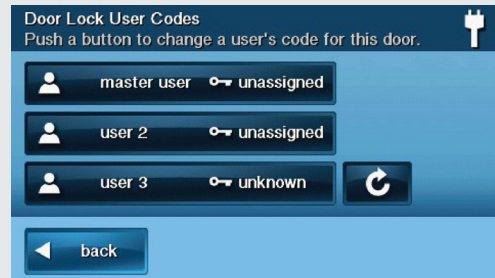
» Enter a lock code for the user, select **ok**, and then confirm the code and press **ok** again.

You will see a confirmation that the lock code was changed.

» Select **ok**.
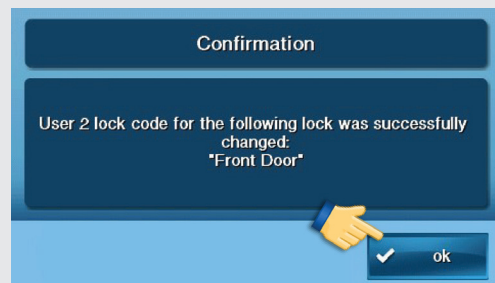
Lock codes will show next to users.

» Select **back** to return to the Doors & Locks Screen.

Lock codes will show next to users.

» Select **back** to return to the Doors & Locks Screen.

Note: To remove user access from a lock, press the delete key and confirm by selecting "remove lock code."

Basic Commands

» From the "view all devices" screen, tap the device you want to rename).

» Tap the button in the center of the screen.

» Enter the value for the basic command (see device documentation for details.

» Tap **ok**.

Please enter a value between 0 and 255

1

| 1 | 2 | 3 | ← | × cancel |

| 4 | 5 | 6 | → | |

| 7 | 8 | 9 | | |

| ⊠ | 0 | ⊠ | | ✓ ok |

The following screen shows the updated entry value (Figure 49).

Change Basic Device Setting
multi-level power switch by: Linear

1

◄ back   A_z   rename

Resetting the Z-Wave Network

To completely reset the Z-Wave controller, enter the advance Z-Wave toolbox.
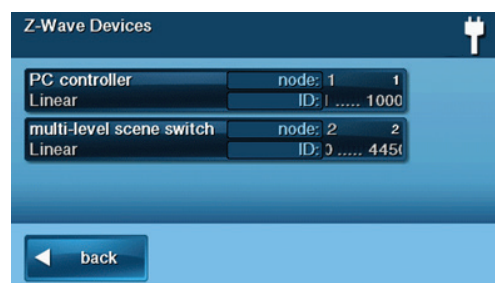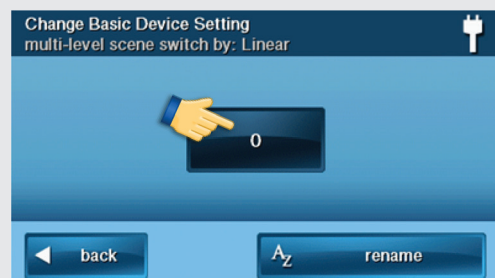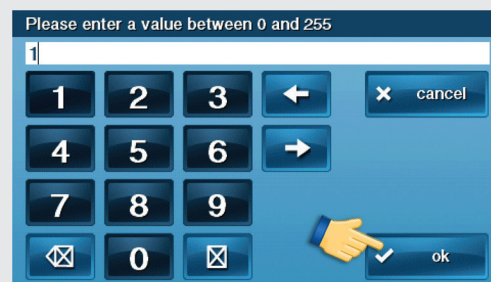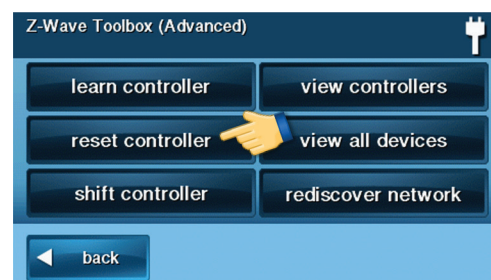
Note: If this controller is the primary controller for your network, resetting it will result in the nodes in your network being orphaned and it will be necessary after the reset to exclude and re-include all of the nodes in the network. If this controller is being used as a secondary controller in the network, use this procedure to reset this controller only in the event that the network primary controller is missing or otherwise inoperable.

Z-Wave Toolbox

add devices   device associations

remove devices   advanced toolbox

◄ back

» Press the **reset controller** button.

Z-Wave Toolbox (Advanced)

learn controller   view controllers

reset controller   view all devices

shift controller   rediscover network

◄ back

» Press the **reset controller** button to confirm you wish to reset the controller.

Reset the Z-Wave Controller?

Resetting the panel's Z-Wave controller will remove all Z-Wave devices and reset the controller to its default state.

× cancel   ↻ reset controller
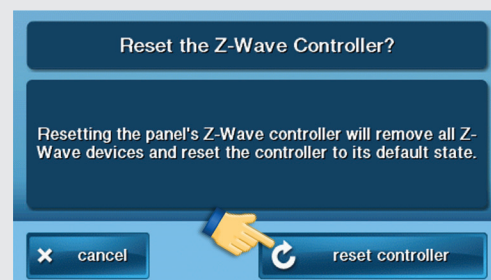
Panel will display confirmation that controller has been reset.

>> Press **ok** to return to Z-Wave Toolbox.
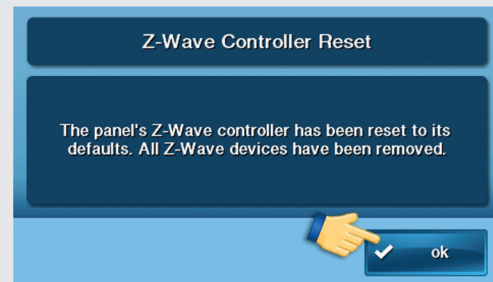
Additional Information

Basic Commands

>> Basic Get commands to the GC2e panel will receive a response of Basic Report Value 0

>> Basic Set commands to the GC2e panel are ignored

Group Identifier

>> Only Group 1 is supported

>> Max number of devices per group: 1

Associations

>> Associations can be set by controllers with the ASSOCIATION_SET command

>> Associations supported commands:

>> COMMAND_CLASS_DEVICE_RESET_LOCALLY

>> DEVICE_RESET_LOCALLY_NOTIFICATION

Note: Associations are not controlled/supported through the GC2e UI.

S2

>> Supported Command Classes and Security Levels

Note: GC2e minimum required security level is none.

Command Class	Version Number
COMMAND_CLASS_ZWAVEPLUS_INFO	2
COMMAND_CLASS_MANUFACTURER_SPECIFIC	1
COMMAND_CLASS_SECURITY	1
COMMAND_CLASS_SECURITY_2	1
COMMAND_CLASS_INCLUSION_CONTROLLER	1
COMMAND_CLASS_TRANSPORT_SERVICE_V2	2
COMMAND_CLASS_DEVICE_RESET_LOCALLY	1
COMMAND_CLASS_POWERLEVEL	1
COMMAND_CLASS_CRC_16_ENCAP	1
COMMAND_CLASS_ASSOCIATION_V2	2
COMMAND_CLASS_ASSOCIATION_GRP_INFO_V3	3
COMMAND_CLASS_SUPERVISION	1
COMMAND_CLASS_VERSION_V2	2

Controller Replication

Controller replication is not supported through the panel User Interface. Please consult your backend provider if the replication option is available through the dealer portal.

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ALARM DEALER INFORMATION

Company Name:

Your Account Number:

Installation Date:

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Technical Support: 1-707-283-5900 • 1-800-472-5555

Contact: www.2gig.com • **Dealers:** 2gig.com/dealers