

Z-Wave Plus Guide

Adding Z-Wave Devices

You can add one or more (up to 232) Z-Wave devices of various types to remotely monitor the site. For example, you can add switches, door locks, garage door controllers, or thermostats.

Adding a Z-Wave Device

The gateway must be no more than 12 feet from a lamp module or 5 feet from a thermostat or door lock during inclusion. You can move the Z-Wave devices to their permanent locations after inclusion is complete.

To add a Z-Wave device:

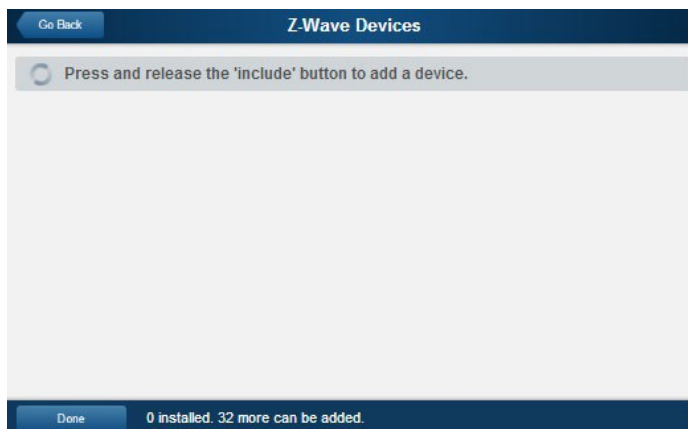
1. Click **Pulse Devices**, and then click **Switches, Door Locks, Thermostats, Others**.

The Z-Wave Devices list screen appears.



2. Click **Add**.

The system searches for any Z-Wave devices (in this example, a thermostat).



3. Click the Z-Wave device's "include" button.

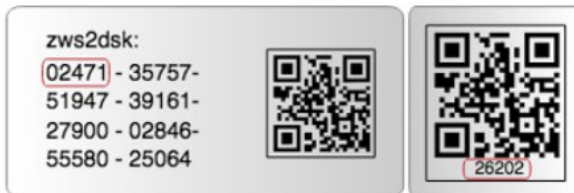
If you are adding a Z-Wave device with S2 security to an in-home gateway model number PGZNG1 v2, a dialog will prompt you for the 5-digit DSK (Device Specific Key).



4. Follow the instructions on the dialog:

- a. Locate the 5-digit DSK on the Z-Wave device.
- b. Enter the 5-digit DSK.
- c. For assistance in locating the DSK, click the information (i) icon on the dialog.

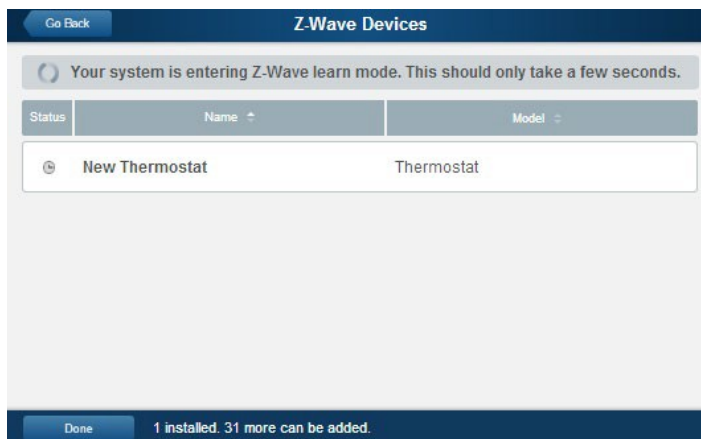
Where to Find the 5-digit DSK



Labels on Z-Wave 500 Series Device

d. Click **Continue**.

When the system finds the Z-Wave device, it adds it to the site and opens the Z-Wave Devices list screen. If the device is a supported device, the system identifies the device type.



5. Click on the newly added Z-Wave device list item.

The Device Details screen appears.

The screenshot shows the 'Z-Wave Device Details' screen. It features a dark blue header bar with 'Go Back' on the left and 'Save' on the right. Below the header is a form with four input fields: 'Name' (Bedroom Thermostat), 'Model' (Thermostat), 'Version' (Residential Control Systems, Inc. (RCS) model 1-11 v2.28 - Routing Slave v4.54), and 'Node ID' (3). A 'Remove' button is located at the bottom of the form.

6. In the **Name** field, enter a name for the Z-Wave device, and then click **Save**.

The new device appears in the list of Z-Wave devices.

The screenshot shows the 'Z-Wave Devices' list screen. It features a dark blue header bar with 'Go Back' on the left and 'Z-Wave Devices' in the center. Below the header is a table with columns for 'Status', 'Name', and 'Model'. The table contains one row: a green dot in the 'Status' column, 'Bedroom Thermostat' in the 'Name' column, and 'Thermostat' in the 'Model' column. At the bottom of the screen is a dark blue bar with buttons for 'Add', 'Reset', and 'Refresh Mesh', and the text '1 installed. 31 more can be added.'

7. To edit a Z-Wave device, click on the device in the Z-Wave Devices list to open the Z-Wave Device Details screen. Make changes and click **Save**.

8. To remove a Z-Wave device, click on the device in the Z-Wave Devices list to open the Z-Wave Device Details screen.

9. Click the **Remove** button.

Refreshing the Z-Wave Mesh Network

When you add a set of Z-Wave devices, or if you add a new device to an existing Z-Wave network, you should refresh the Z-Wave mesh network. This allows the network to communicate efficiently.

To refresh the Z-Wave mesh network:

1. Click **Pulse Devices**, and then click **Switches, Door Locks, Thermostats, Others**.

The Z-Wave Devices list screen appears.

2. Click the **Refresh Mesh** button.

A confirmation dialog appears.

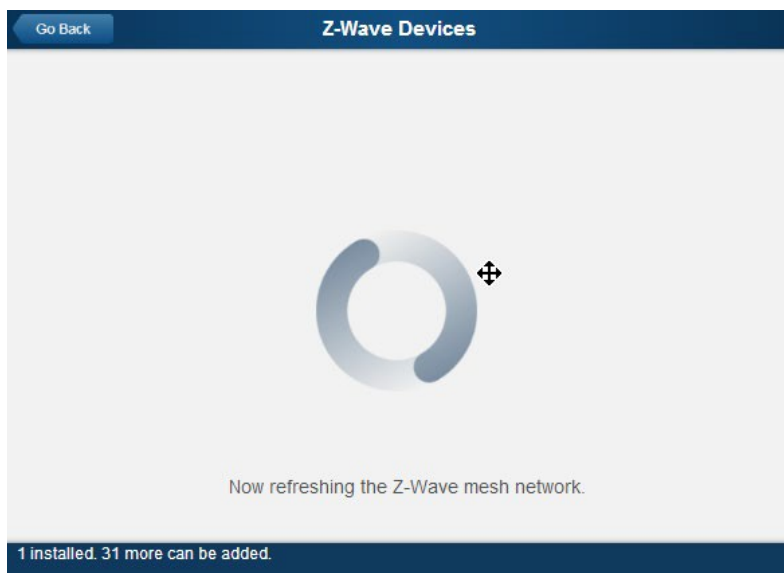
Ensure that all Z-Wave devices are positioned in their final location before refreshing the mesh.

Depending on the number of Z-Wave devices installed, mesh refresh can take up to 30 minutes.

Z-Wave devices cannot be edited until mesh refresh is complete.



3. Click **Refresh Mesh**.



Resetting a Z-Wave Device

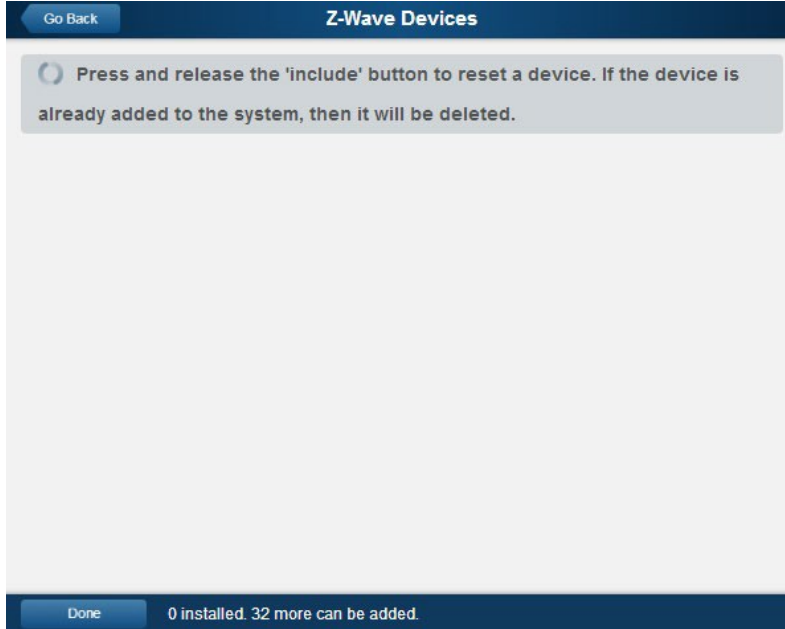
If you have trouble adding a Z-Wave device, it might need to be reset.

To reset a Z-Wave device:

1. Click **Pulse Devices**, and then click **Switches, Door Locks, Thermostats, Others**.

The Z-Wave Devices list screen appears.

2. Click the **Reset** button.



3. Click the Z-Wave device’s “include” button.

The Z-Wave device resets.

4. If you are finished resetting devices, click **Done**.

Association Groups

The in-home gateway Model PGNGZ1-v2 supports the following association groups.

Group	Description	Max Number of Nodes
1	Lifeline device reset locally	1

Resetting the Gateway

You should not have to factory reset the gateway at all. However, if you encounter a problem during installation and/or a procedure in this document instructs you to reset it, follow this procedure.

To reset a gateway:

1. Ensure that the gateway is connected to an AC power outlet and has been turned on for at least one minute. (Typically the Power LED is solid green.)
2. Press and hold the **Reset** button on the back of the gateway with an unbent paperclip for approximately 10 seconds.

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 remove and re-add 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.

3. Release the Reset button when all the LED lights on the gateway start to blink amber.

The reset process is complete when the Power LED on the front of the gateway turns solid green.