



VeraPlus

Advanced Home Controller

Congratulations!

Welcome to Vera Smarter Home Control. The VeraPlus Advanced Home Controller provides a world of convenience and peace of mind.

In this package you'll find:



VeraPlus Controller



AC Power Adapter



Ethernet Cable

Detail Views

- 1 Power
- 2 Internet
- 3 Wi-Fi
- 4 Z-Wave
- 5 Service
- 6 ZigBee
- 7 Bluetooth



Front



Select Sync Reset


Back



USB Ethernet Power



For Additional Help, Visit

-  support.getvera.com
-  +1 (866)-966-2272
-  support@getvera.com

QSG-VERAPLUSV1

Installation

- 1** *Firmly connect the provided Ethernet Cable* from your VeraPlus to your *Wi-Fi router* (or other Internet source).
- 2** *Firmly connect the AC Power Adapter* to VeraPlus and plug it into an AC outlet. VeraPlus has no on/off switch. It will power up as soon as you plug in the AC adapter.



- 3** *To setup your controller, go to <http://home.getvera.com>*



If you are a new user, click the **"I have a new controller"** button on the screen. Agree to the terms and conditions. Then select your Controller.

If you already have an account, please login. Click the **"Add another controller"** button. Then select your Controller.



Follow the Setup Instructions.



VeraPlus

Z-Wave Overview



Inclusion and Exclusion

Your VeraPlus Controller can work with all Z-Wave devices, such as sensors, alarms, door locks, thermostats, etc. Over a thousand Z-Wave devices are available from many brands. (Z-Wave is a wireless communications system; check the package or specs to see if a device uses Z-Wave.) Before VeraPlus can control a device, it must be included into the Vera system.

Vera **Custom Device Wizards** are available for select devices that pass stringent Vera Labs testing for compatibility and quality. The Custom Device Wizards make Inclusion/Exclusion easiest, with specific details for each device.

A list of these devices is available and updated at <http://getvera.com/compatibility/>

For all other Z-Wave devices, a **Generic Device Wizard** is used for Inclusion/Exclusion. A Generic Device Wizard is available for each device category (thermostats, sensors, alarms, etc.)

To get started, after setting up your VeraPlus Controller, use the Vera UI to select **Devices** and then **Add Device** (Figures 1-1 & 1-2).

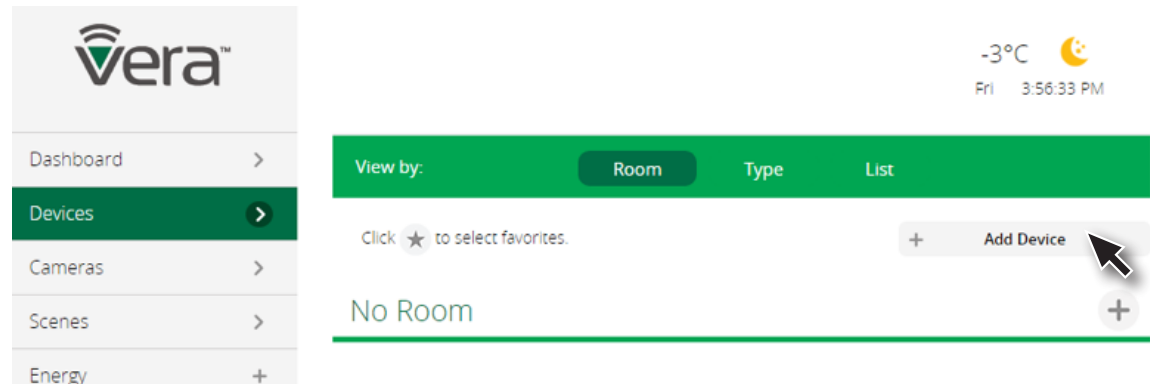


Figure 1-1: Add Device

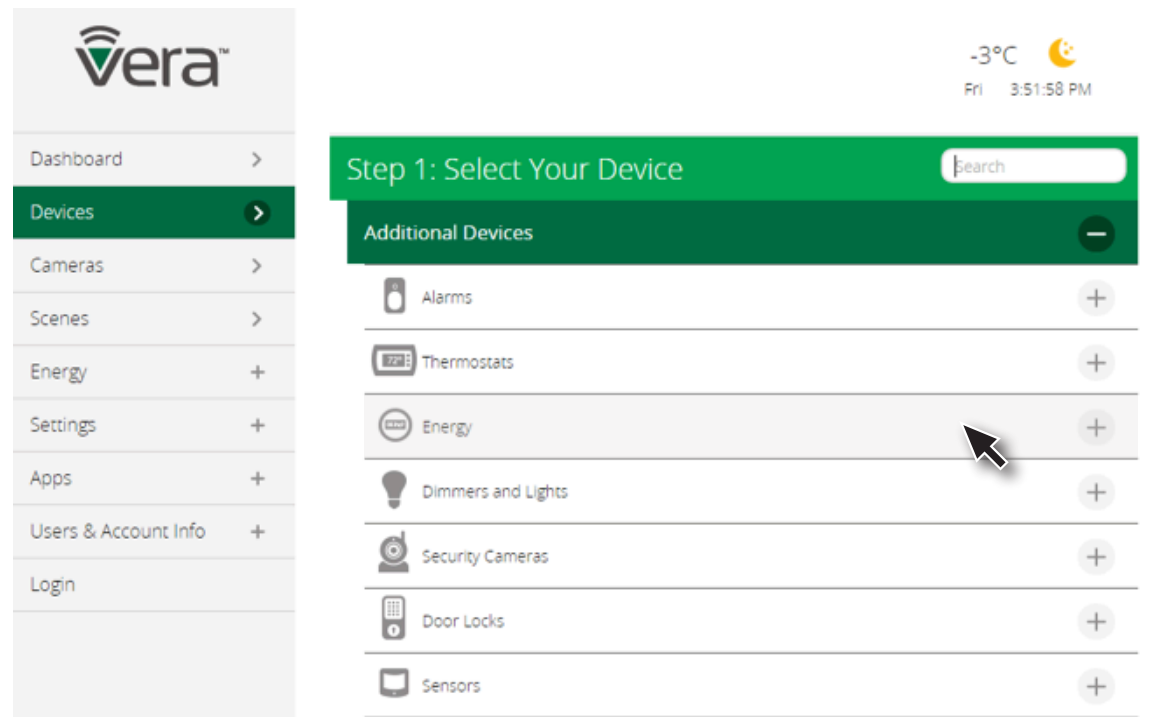
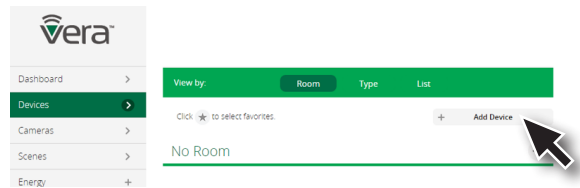


Figure 1-2: Device Paring menu

Inclusion/Exclusion for Devices with Vera Custom

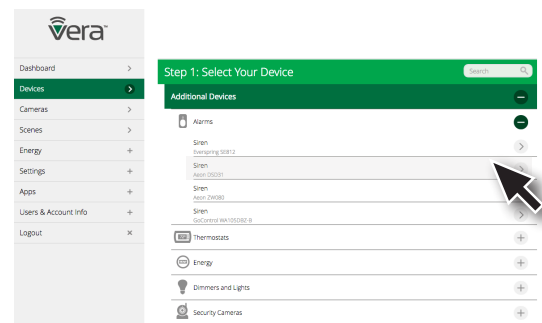
Step 1

Select **Devices** and click on the **Add Device** option.



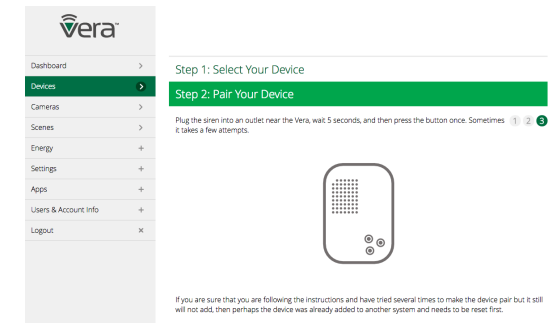
Step 2

Click on the “+” sign for the device’s category. A list of Vera **Custom Device Wizards** is displayed. Select a device to include.



Step 3

Follow the steps in the Device Wizard to add the device.



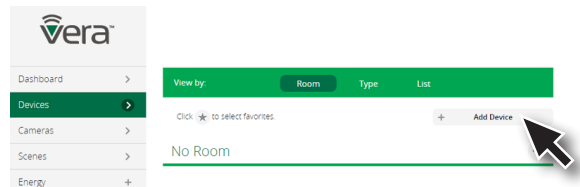
After adding a new device, the VeraPlus Controller will ask you to name it and choose the room it is (or will be) located in.

Note: If the device was previously included with a different Z-Wave system, you'll need to it exclude it before adding with your VeraPlus. (You may also need to do this if you have problems Inclusion/Exclusion the first time.) Press the Retry button to start the exclusion process. Once the device is excluded, add it by following the inclusion steps.

Inclusion/Exclusion for Devices using a Generic Device Wizard

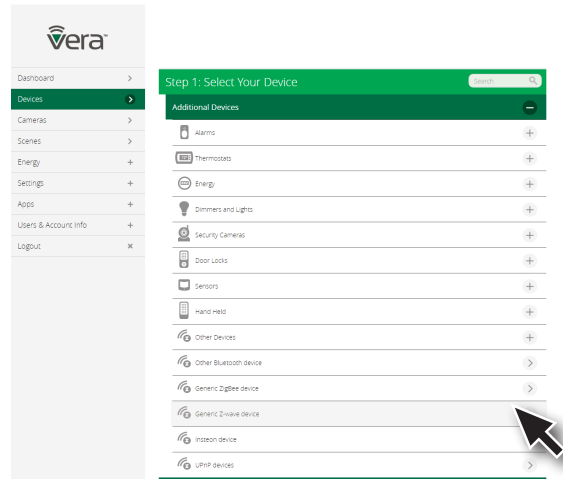
Step 1

Select **Devices** and click on the **Add Device** option.



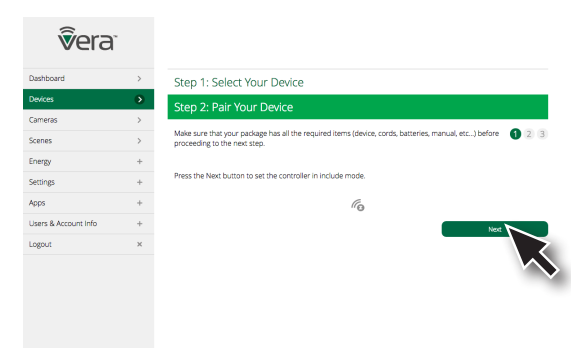
Step 2

Click on the “+” sign for the Other Device’s category. A list of Vera Custom Device Wizards is displayed. If your specific device is not shown, select the “Generic Z-Wave Device” option.



Step 3

Follow the steps in the Device Wizard to add the device.



After adding a new device, the VeraPlus Controller will ask you to name it and choose the room it is (or will be) located in.

Note: If the device was previously included with a different Z-Wave system, you’ll need to it exclude it before adding with your VeraPlus. (You may also need to do this if you have problems Inclusion/Exclusion the first time.) Press the Retry button to start the exclusion process. Once the device is excluded, add it by following the inclusion steps.

VeraPlus Buttons

WPS Mode

These instructions are for manually starting WPS Mode (Figure 2-1).

- Press the **Select** button. The Wi-Fi light will begin blinking.
- Press the **Sync** button. This activates WPS Mode.

Note: Unit will stay in WPS mode for two minutes.

These instructions are for manually exiting WPS Mode.

- While the Wi-Fi light is blinking, long press (3 seconds) on the **Sync** button. The Wi-Fi light will stop blinking and will stay lit.

Z-Wave Include/Exclude Mode

During normal installation of Z-Wave devices you do NOT need to use these buttons. *These instructions are for manually starting Z-Wave Include and Exclude Modes (Figure 2-1).*

- Press the **Select** button.
- Press the **Select** button again. The Z-Wave light will begin blinking.
- For Include Mode, press the **Sync** button briefly (less than 1 second).
- For Exclude Mode, press and hold the **Sync** button for at least 2 seconds, then release.

Controller Reset

Reset to Network defaults - Press the **Reset** button 3 times in 6 seconds.

Factory Reset - Press the **Reset** button 6 times in 6 seconds.

The Controller will reboot.

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 (Figure 2-1).*



Figure 2-1: VeraPlus - Front View

Advanced Z-Wave Functions

These Advanced Z-Wave Functions are usually needed only for specific (and rare) technical situations, or for professional installers creating very large systems, or for developers creating new hardware or software.

You may need to access these advanced functions if there's a problem with your system and you need to reset the Z-Wave network, if you want to upgrade to a different model of Vera Controller, to enable another controller to operate your VeraPlus, or for other technical situations as described below.

To access Advanced Z-Wave Functions select **Settings** and then **Z-Wave Settings**. Select the **Advanced** tab (Figure 3-1).

From there you'll be able to access these Advanced Z-Wave options:

A **Reset Z-Wave network**

Will clear all the user configuration data and assign a new Z-Wave HouseID.

B **Copy Z-Wave network from a primary controller**

Will allow the unit to copy all Z-Wave related information from a Primary Z-Wave Controller and is used with Replication.

C **Controller shift**

Tells Vera to transfer the role of primary controller to another Z-Wave controller. The other Z-Wave controller will become the 'Master controller', and Vera will be a secondary controller. This means the other Z-Wave controller will then be responsible for healing the networking and being the SIS/SUC (a technical Z-Wave term). Normally, by default, Vera is the master controller and is SIS/SUC.

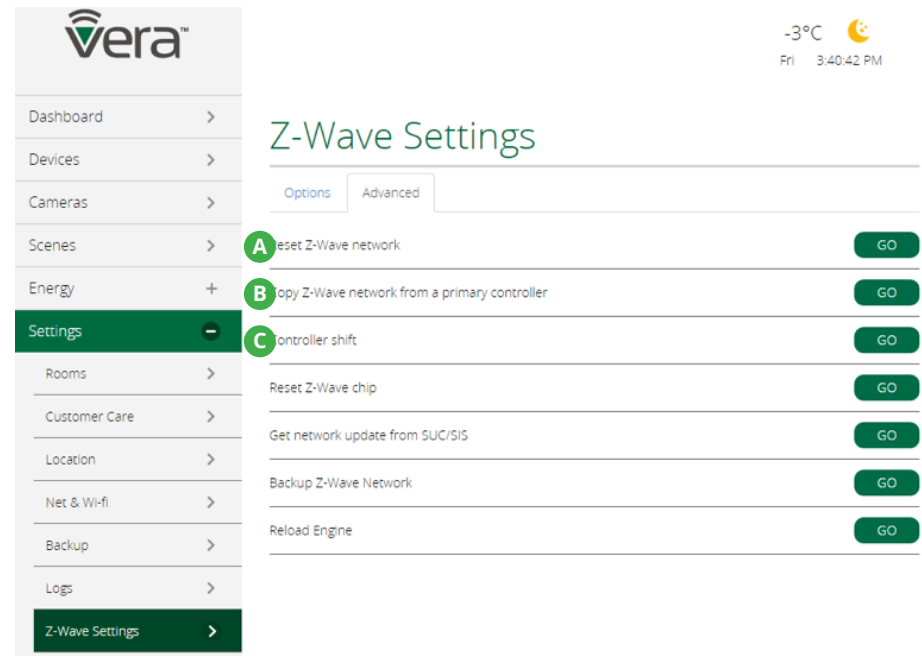


Figure 3-1: Advanced Tab

Advanced Z-Wave Functions

D *Reset the Z-Wave chip*

This option will re-initialize the Z-Wave chip.

E *Get network update from SUC/SIS*

This option will update the slave controller network from the primary controller to which it's currently added. This option is used when Vera is a secondary controller.

F *Backup Z-Wave Network*

VeraPlus has the ability to back up its Z-Wave network and its configuration settings to be restored on another gateway. This procedure is explained on the page below:

<http://support.getvera.com/customer/portal/articles/2345058>

Learn Mode

Include your controller into an existing Z-Wave network. Steps for VeraPlus controller using the web interface.

Click on Settings > Z-Wave Settings > Advanced > Select 'Copy Z-Wave network from a primary controller'

This will put the controller into learn mode and shift it to a secondary role. The controller can now receive data from a primary device in the network and associate with other devices in the Z-Wave network via the primary controller.

Replication

Include another controller and transfer the Z-Wave network data to it. Steps for VeraPlus controller using the web interface.

Click on Settings > Z-Wave Settings > Advanced > Select 'Controller Shift'

All the Z-Wave devices will be replicated into the new controller. This is used to transfer data from one controller to another. With replication the new controller becomes primary.

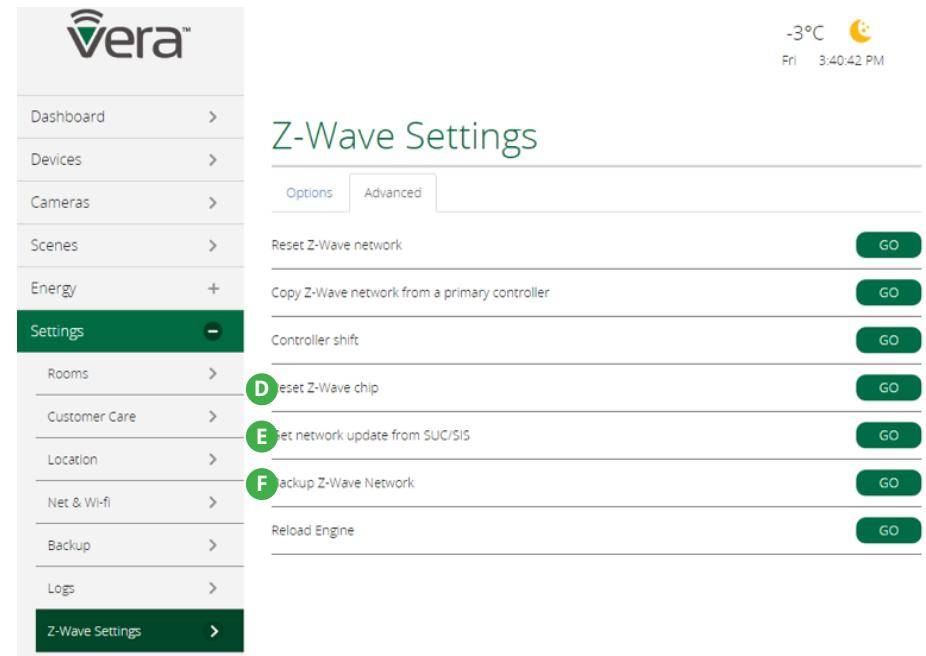


Figure 3-1: Advanced Tab

Advanced Z-Wave Functions

Basic Command Class Handling

The basic command class is controlled by Vera and it is not mapped to any other Z-Wave Command Class.

More details can be found on our wiki page.

http://wiki.mios.com/index.php/ZWave_Basic_Command_Class_Mapping

Support for Association Command Class

VeraPlus has support for the Lifeline association command class.

```
group id: 1 - lifeline
number of nodes in group: 5
```

More details can be found on our wiki page.

<http://wiki.mios.com/index.php/Association>

Support for Multiple Manufacturers in The Same Network

The controller can be included and operated in any Z-Wave network with other certified Z-Wave devices from other manufacturers and/or other applications. All non-battery operated nodes within the network will act as repeaters regardless of the vendor to increase the reliability of the network.

Support for sending Z-Wave Commands

Z-Wave commands can be sent using the Vera API which will allow you to send HTTP requests with the specified command class to the specified node.

More details can be found on our wiki page.

http://wiki.mios.com/index.php/Luup_UPnP_Variables_and_Actions#ZWaveNetwork1

To send a Z-Wave command you'll need to add the node id of the controlled Z-Wave device and the command class used.

For example to control node 3 and send a BASIC_SET with a value of 00, the command will be :

```
http://GATEWAY_IP/port_3480/data_request?id=
action&DeviceNum=1&serviceId=urn:
micasaverde-com:serviceId:ZWaveNetwork1&action=
SendData&Node=3&Data=0x20-0x01-0x00
```

GATEWAY_IP is the actual local IP address of the unit.

Node is the Z-Wave node the command is sent to.

Data will contain the Z-Wave Command Class sent to the device.