Vera Smart Home Controllers
Installation Manual
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1 INTRODUCTION

Welcome to the Vera Ecosystem! This manual is intended to provide you with all the information you need to set up your very own Z-Wave home automation system using a Vera gateway.

1.1 WHAT IS Z-WAVE?

Z-Wave is a wireless communications protocol used for home automation. It is a mesh network in which most devices are capable of not only emitting and receiving signals, but also passing on signals between devices. This means that even though two devices may be out of range, they can still communicate with each other provided there are other devices in between them that can “pass on” the message.

Z-Wave devices operate at a frequency of 921.42 MHz in Australia. This is significantly lower than your other household devices which use Bluetooth (2.4GHz) or WiFi (2.4 to 5GHz). This means you don’t have to worry about your Z-Wave devices interfering with your WiFi or vice-versa. Like other protocols and systems aimed at home and office automation, a Z-Wave automation system can be controlled using a Z-Wave keyfob/remote or via the Internet using a smartphone or PC (with your Z-Wave gateway acting as both the hub controller and portal to the outside).

Best of all, the Z-Wave protocol is supported by a large number of manufacturers who follow a strict protocol which ensures that their devices are interoperable with each other. This means that at the moment there are over 1500 Z-Wave devices available.

1.2 Z-WAVE SECURITY

The Z-Wave protocol uses industry-standard AES128 Encryption (the same protocol is used in internet banking). This makes it one of the most secure wireless home automation systems available. When you include a new device into your Z-Wave network it is assigned a unique Node ID known only to your Z-Wave gateway which has its own unique Home ID. This ensures that your Z-Wave network is independent to all other nearby networks and that your neighbour won’t be able to control your devices using their Z-Wave gateway!
2 INSTALLING YOUR Z-WAVE GATEWAY

2.1 WHAT YOU WILL NEED

Congratulations on purchasing a Vera home controller! This is your first step towards building your very own smart home. Before you begin you must ensure that you have all the necessary components to setup your Z-Wave network.

You will need:

- A Vera home controller
- An AC Power Adapter (included with your Vera home controller)
- An Ethernet Cable (included with your Vera home controller)
- A Wi-Fi router with an internet connection (not included with your Vera home controller)

Note: It is suggested that you set-up your Vera home controller in an area that does not have a large amount of other electronic equipment, or is surrounded by metal, as this will adversely affect the controllers performance.

Once you have gathered all the components above, you are ready to begin.

2.2 HARDWARE SETUP

Step 1: Connect the Ethernet cable to your Vera home controller and your router.

Step 2: Connect the AC Power Adapter to your Vera home controller and wait for it to turn on. This may take a minute or two so please be patient. You will know when the Vera home controller is ready by observing the LED lights on its front. (All LEDs on)

(The LEDs on a VeraEdge will look like this once it has finished booting up)

Step 3: Open a web browser on your computer and go to the following address: http://home.getvera.com
Step 4: If this is your first Vera select: “I have a new controller” and fill in the necessary information.

Step 5: Once you have set up your account and filled in your details your Vera will update to the latest firmware. This process can take around 5-10 minutes. Please do not unplug the controller during this time.

Step 6: Once the firmware update is complete you will be directed to the Vera Dashboard and will be shown a small guide on how to use your Vera’s dashboard.
The Vera Plus and Vera Edge have the same user interface, the only difference is that the Vera Plus can control Zigbee. This enables two extra components in the Vera interface, as it firstly adds **Generic Zigbee device** to the Additional Devices section of the add devices menu.

Then, there is an additional section under Settings for **ZigBee Settings**. However, all the functionality of the controller remains the same.
2.3 Vera Settings

Once you have completed the above we recommend heading to the ‘Unit Settings’ tab under ‘User’s & Account Info’. Here you can configure the date and time format of your Vera along with the time zone. It will also allow you to select the City for the Weather Widget, and the temperature format you prefer (°F/°C).

![Dashboard interface with settings options]

You can also rename your Controller (unit) here. At the bottom of this page you will find information that can help you identify your Vera Controller on your home network.

2.4 Notification Settings

During the initial setup procedure your Vera will prompt you for your email and phone number. You can then set your Vera to send notifications when certain events occur within your Z-Wave system by going to the ‘Notification Settings’ tab under ‘Users & Account Info’. Although you will typically only use this feature to receive security alerts you can also opt to be notified of other events such as user logins and system errors.
It is also suggested that you enable the Notifications Header, this will give you a blue bar appearing at the top of your screen that will give you some details of what is happening on your Vera, such as informing you when your controller is in Inclusion mode or exclusion mode.

3 ADDING Z-WAVE DEVICES

3.1 BASIC PRINCIPLES
To control a Z-Wave device using your Vera gateway you will first need to install it. This procedure involves “including” or “pairing” this device with your Vera gateway. When you “pair” a device with your Vera gateway you create a secure channel between this device and your private Z-Wave network which is managed by your Vera gateway. A device that is “paired” with a Vera gateway cannot be controlled by any other gateway unless it is first “unpaired” from its original Vera gateway. This ensures that only you can control the Z-Wave devices in your home.
3.2 The Vera Device Wizard

To ease with the installation process, the Vera Team developed the Vera Device Wizard allowing you to quickly and easily add new devices to your Z-Wave network. They created a catalogue of the most popular devices on the market with detailed instructions that guide you through every step of the installation process.

Step 1: Select Your Device

Step 2: Pair Your Device

For best results this initial pairing should be done within 3 meters (10 feet) of your Vera. After it has been added you can move it to the desired location. I will notify you when the device is added. Vera is now ready to pair.

Click the button next to the battery 3 times very quickly to make it pair with Vera. Sometimes it takes a few attempts and you may have to click the button several times very quickly.

If you are sure that you are following the instructions and have tried several times to make the device pair but it still will not add, then perhaps the device was already added to another system and needs to be reset first.

The Vera team is constantly expanding the list of devices available in the Device Wizard, so you can be sure that you will find most of the popular brands here. However, if you cannot find your device on the list you can still include it to your Vera gateway using the generic installation procedure by selecting Generic Z-Wave Device.
Some cameras such as the VistaCam range have their own dedicated Device Wizards allowing for easy integration into your Vera Controller, these cameras are essentially plug and play. Your generic IP cameras however, require a few additional steps to connect to your Vera controller.

To install a camera that is not on the Device Wizard list you will need to select Generic IP Camera and follow the steps. If your camera is not automatically detected by the Vera when you power it up you will have to complete the manual installation procedure.

Click the "Manually Install the Camera (Advanced)" button in step 4 of the installation wizard to proceed to manually add the camera.

Next you will need to select your camera from the list of devices detected on your network. Do this by identifying your camera’s MAC or IP address (your MAC can generally be found on the Camera) from the available list.
Once you have found your camera’s IP address select the camera and enter its JPG/snapshot URL (example: /snapshot.cgi) username and password when prompted, then press Test. A snapshot from your camera will appear below if your camera was successfully integrated.

If you cannot find your camera’s MAC address in the list then proceed with ‘manual configuration’ and paste the full URL which returns a JPG file/snapshot. (Example: http://192.168.8.200/snapshot.cgi) if you do not know what your IP is or you do not have the snapshot URL please see below.

To find the Cameras IP you will need to know the IP address assigned to your camera by your router. You can find this by logging into your router and locate its networking screen; this will display all devices that have been assigned an IP on your router, to find the IP all you have to do is find the MAC address of the Camera in the list, the attached IP will be the cameras.

Getting your cameras JPG/Snapshot URL is a little more difficult, you will need your cameras make and model, and then you will need to do either one of the following to get the URL:

1. Contact the Manufacturer and ask if they can tell you what your snapshot URL is for your specific camera.
2. Search the internet, there may be a forum or a website that will assist you in finding the URL.

3.4 **Vera Apps**

The Vera has a number of user created Apps that can add additional functionality to your controller or improve already existing functions. This includes the creation of Virtual Switches, trigger Scenes, and a growing number of Apps that allow you to know who is home by detecting their phones.

Some Apps will create what are called Virtual Devices, these are Devices that don't physically exist, though they are still able to interact with you system and sometimes even your existing Z-Wave devices.

4 **The Vera Dashboard**

Now that you have finished your Vera’s basic set up you’re ready to meet UI7! When you log into your Vera the first thing you will notice is the Dashboard.

The Vera Dashboard is a web-based interface that allows you to configure and control your Z-Wave network. It can be accessed at home or via the internet from any web browser or Internet enabled phone. It’s secure too! The Vera system uses the same security as banks do for online banking.
In the middle of your screen you will see a “My Modes” module, a “My Shortcuts” module, and a “My Favourites” module. These modules are the main controls for your system allowing you to easily control all the devices in your Z-Wave network.

4.1 **MY MODES**

Modes are the fastest way to operate your Vera system and to quickly change the settings on many of your devices. Once you have set up your Vera it will ALWAYS be in one of the four Modes; Home, Away, Night, Vacation.

Each Mode defines a specific configuration for your devices, a configuration that you yourself have set. Switch to Night Mode, for example, and your Vera System can automatically lock all doors, dim all downstairs lights, set the thermostat lower and check to make sure all windows are closed. All with a single click.

**Helpful Hint:** You can use Vacation Mode to discourage burglars while you are on holidays by having your Vera automatically turn ON and OFF your lights throughout the evening, making your home appear “lived in”.

Each Mode comes pre-configured with default settings for each of your devices however you can customize their settings by clicking the “>” icon next to “My Modes”. The settings that you can modify will depend on which devices you have in your system.

4.2 **MY SHORTCUTS**

My Shortcuts are ON/OFF controls for all your switches and door locks. They allow you to quickly turn ON or OFF all your lights or LOCK/UNLOCK all your door locks.

The number displayed over the device icon indicates how many devices are controlled by this button.
4.3 MY FAVOURITES
The My Favourites menu displays all the devices you have selected as your favourites, allowing for quick easy access. You can quickly check your cameras, door locks and anything else important to you. Click “Add Favourite” to add devices to this section.

4.4 OTHER FEATURES
Aside from the above, your Dashboard also provides you with important information about your system through the Weather Widget, Notification Bar and Dashboard Cards.

The Weather Widget displays the temperature and current weather for your home. It also displays the local time in a 12 or 24-hour format.
The Notification Bar will show the most recent event that happened in your system.

The Dashboard Cards provide you with a quick overview of your system. It consists of 3 cards. The left card will display the energy usage of your home (only if you have connected Z-Wave devices that measure energy consumption), the centre card will show the status of your devices and the right card will show the status of your security sensors.

5 **Vera Mobile Apps**

You can also control your Vera system from anywhere around the world with your smartphone or tablet using a Vera mobile app.

Simply search the App store/iTunes for the VeraMobile App and install it to your device.

Other popular Apps for Vera on iTunes are; VeraMate, One Enabled, HomeWave.

Other popular Apps for Vera on Android are; ImperiHome, AuthomationHD and Home Buddy.

**Note:** To connect a Vera App to your Vera controller you will require your Vera account details.

Your connection through remote access could be limited by a number of reasons when attempting to connect through 4G, slow connections of your home internet is one, your 4G reception and your mobile phone provider itself can all contribute to slow response times when away from home.

6 **Useful Features**

6.1 **Security**

In the ‘Users & Account Info’ section you will also find a ‘Security’ tab. Here you can increase the security of your Vera by disabling local access (i.e. IP access). When this feature is enabled you will no longer be able to access your Vera simply by entering its IP into your web-browser. This prevents users who have access to your Local Area network from controlling your Vera.
To access your Vera you will instead have to log in through the Vera log in web portal shown below.

6.2 GEOFENCING

Geofencing allows you to use your location (or more accurately: your mobile phone’s location) to control your Z-Wave system. You can set your lights to turn on when your Vera detects that you are nearby or have your Vera automatically switch to ‘Away’ mode when no-one is home.

To use Vera’s Geofencing feature you will need to install the Vera Mobile App on your device. Then in the app head to Settings → Geofencing and add a Geofence at your location by clicking the “+” icon in the top right corner.

Your geofence will then show up as a circle around your location. It is set to 100m by default but this can be adjusted to suit your needs.
Once you have created your geofence you can use it as a trigger when creating scenes. This is particularly useful for things such as automatically arming your security system when no-one is home.

**Note:** For reliable performance please ensure that Location Services are always turned on on your mobile device.

**Geofencing Tips**

Make sure every device in your home is logged in with its own Vera account; if the device will permanently stay in the location (i.e. a tablet), make sure you go to Settings -> Geofence -> Advanced Settings and “Disable Geofencing for this device”. This will ensure that the geofence will not trigger if it detects this device in the fenced location.

Make sure you are not logged in with the same username on multiple devices.

If the Geofence trigger is not reliable and does not trigger every time, try to increase the radius of the Geofence from the 100m default to 250m or more.

To improve Geofence accuracy, your mobile’s Wi-Fi should be enabled at all times.

7 **DEVICE INSTALLATION**

7.1 **DEVICE INCLUSION**

Including devices into a Vera controller’s network have two methods, there is generic device inclusion and the device adds wizard method.

Generic device inclusion is a method used when the device does not have a template in the Vera Interface, If you are unable to find your device under its corresponding heading in Vera (e.g Lighting) your device will need to use the generic device inclusion method, generally this still allows the device to function as normal however it will not have a preloaded Parameter configuration, and may sometimes not work as intended, you can see the Generic device inclusion method below at 7.3.

The device add Wizard method is a bit more instructive, it will have a guide on how to include the device, as well as a guide on how to excluded the device if you wish to do so, this method will generally fill the device parameters with the most commonly used Parameters for easy configuration it should also fix some issues device would normally have if they were previously added as Generic devices, you can find more information on the Add wizard at 3.2 and some examples of using the Wizard to include devices some devices below at 7.4-9.

It is worth noting that some devices even if you try to include them as Generic devices will actually detect what the device is and automatically put the device though the add Wizard.
7.2 DEVICE PARAMETERS

For some devices you will need to change their Parameters in order to have them react the way you want, to do so you will need to select ‘Device Options’ from the settings screen on your device, you will be presented with the following screen:

The above screen is what you will see if the device you have included into your Vera system has what is called a Template, some Templates have device parameters built in, allowing for you to find the parameters you want to change with ease. Devices that do not have Templates will require you to manual enter the parameters you wish to change.

To change a parameter you will need three bit of information the Parameter Number, what data size the parameter is, and the Range available to that Parameter, for example consider the following;

You want to change the Relocking time on your Yale Touchscreen Deadbolt, from 20 seconds (default) to 10 seconds as it is staying unlocked for a little longer then you would like. First you need the parameter number for relocking which is Parameter 3, you don’t need to fill in any additional details in the box with the number, secondly we need the data size it is recommended that you use the ‘dec’ version of values, ‘dec’ is short for decimal whereas the other option is ‘hex’ for hexadecimal which is a bit more complex, we then need to change the ‘Desired Value’ to what you wish within the range provided, for this parameter it is 5-255, if you enter a number above or below the set range the lock will fail to configure and give you an error, once you have entered your changes press Save.

7.3 DEVICE EXCLUSION

On occasion if you are unable to include a device into your Vera network you may need to complete the exclusion procedure first to reset the devices network settings. To do this you will need to enter the inclusion process in Your Vera controller using the generic device option.
When you press Retry your Vera will begin the Exclusion process. Simply complete the exclusion process on your Z-Wave device while your Vera is in Exclusion mode to remove the device’s previous network settings.

Note: The Device does not need to have been originally paired to the Vera controller to be able to remove the devices network settings, this allows you to transfer working modules from a faulty Vera controller to a new controller without needing to recover the first Unit.

7.4 DOMЕ MOTION DETECTOR WITH LIGHT SENSOR

Step 1:
Click the “Add Device” button on the “Devices” page.

Step 2:
Select “Sensors” and “Dome Motion Detector with Light Sensor”
Step 3:

Once your Vera gateway is in inclusion mode, place the Dome Motion Detector within one meter of your Vera and remove the Pull Tab inside the sensor to connect the battery and power up the device. Your Vera will notify you once the device has been successfully “paired”.

**Note:** If you are unable to “pair” this device to your Vera you may need to complete an “un-pairing” procedure first to reset its network settings. Your Vera will automatically begin this procedure when you click the Retry button in the installation wizard. Simply **rapidly press** the connect button **three times** (the button is located inside the device) while your Vera is in “un-pairing” mode to complete the procedure. Once you have completed the “un-pairing” procedure you can attempt the “pairing” procedure again.

Step 4:

Once you have completed the device wizard the device will appear in your “Devices” tab. You can now move it to your desired location and use it to trigger scenes or set your Vera to notify you when this sensor is tripped.

7.5 **VistaCam 1000 Camera**

**Note:** Google Chrome no longer supports Adobe Flash, to view the VistaCam’s video feed on a computer you will need to use a browser that supports it (e.g. Mozilla).
Step 1:

Click the “Add Device” button on the “Devices” page.

Step 2:

Select “Cameras” and “VistaCam 1000”.

Step 3:

If you are using a VeraEdge, VeraPlus or VeraSecure (all of which support WPS) then select “Begin Wireless Setup”. Otherwise choose “Begin Wired Setup”.

Step 4:

Carefully read the instructions in the installation wizard. The installation procedure will be different depending on the Vera controller you are using.

**Wireless Setup:**

To connect to a VeraEdge:

1. Firmly press the square WPS button on the back of your VistaCam 1000.
2. Press and hold the WPS button on the VeraEdge for at least 5 seconds.
3. Once a connection has been established the Network LED on the VistaCam 1000 will begin blinking green and you will be able to view a feed from the camera in your Vera interface.

To connect to a VeraPlus/VeraSecure:

1. Firmly press the square WPS button on the back of your VistaCam 1000.
2. Press the “Select” button on your Vera and then press the “Sync” button. The Wi-Fi LED on your Vera will start to blink rapidly.
3. Once a connection has been established the Network LED on the VistaCam 1000 will begin blinking green and you will be able to view a feed from the camera in your Vera interface.
Wired Setup:

To connect to a VeraEdge/VeraPlus/VeraSecure:

1. Connect your VistaCam 1000 to your modem via an Ethernet cable.
2. Press Begin Wired Setup
3. Wait for your VistaCam 1000 to be detected.

Step 5:

Once you have connected your camera you will need to adjust its settings to complete the installation procedure.

Select the camera on the device page and go to the Advanced section in the Settings tab. Here you can select a new username and password (this is highly recommended). If your camera supports Wi-Fi operation you can switch to Wi-Fi here.

You can also select which of your Z-Wave lights should turn on when you are looking at the camera feed to ensure you can see clearly.

Note: If your VistaCam 1000 was unable to connect to your Vera you may need to reset it to factory default. You can do this by pressing and holding the square WPS button on the back of the camera for at least 20 seconds. Resetting the device to factory default also removes all passwords from the device allowing you to access it again if you have misplaced them.

7.6 Remotec ZXT-600 AC Controller

The ZXT-600 AC Controller is an IR blaster that can be controlled directly through your Vera interface allowing you to control your AC remotely though the App and also through scenes allowing you to turn on your AC before you get home allowing you to enter your home in comfort.

Step 1:

Click the “Add Device” button on the “Devices” page.

Select Search and select Generic Z-Wave device.
Step 3:
Place the Remotec AC Controller within one meter of your Vera gateway and follow the instructions outlined in the installation wizard. Inclusion instructions can be found on page 6 of the device manual.

Step 4:
Once you have successfully paired the device with your Vera move to a position when the AC Controller has direct line of sight of the unit you wish to control.

Step 5:
You will now need to configure your AC Controllers IR Code to match your Unit, there are two methods, both methods are covered below;

**Code Library**

The ZXT-600 has an in built code library, using your phones QR scanner you can find a list of all the brands that are support as well as different numbers that Units are assigned to, this can require a little trial and error to find the correct code for your Unit.

You will need to use Parameter 27 for this method, if you do not know how to change Parameters please refer to 7.2 the data size for this Parameter is 2.

Once you have the correct IR Code assigned to your ZXT-600 you should be able to control the temperature on your Unit, if you find that you are unable to control Heat, please continue to try the codes until the correct one is found..

**IR Learning**

You need to make sure Your AC Unit is set to Off, Fan Speed is set to Auto, and Fan Swing is set to Auto/ON.

You will need to use Parameter 25 for this method, if you do not know how to change Parameters please refer to 7.2 the data size for this Parameter is 2.

Refer to the table provided on page 11 of the device manual for what value refers to what temperature.

When you save Parameter 25 the green indicator on the front plate will turn on, aim the Original AC Remote at the ZXT-600’s black front plate making sure the IR Blaster on the remote is roughly 1-3 cm from the ZXT-600 and press the Power On
button on the AC Remote, if Successful the Green indicator will flash Twice, continue this procedure until you have Learned all the codes you want after doing so change Parameter 27 to Value 000.

7.7 VISION RECESSED DOOR/WINDOW SENSOR

Step 1:
Click the “Add Device” button on the “Devices” page.

Step 2:
Select Vision Recessed Door/Window Sensor under the “Sensors” category.

Step 3:
Place the Vision Recessed Door/Window Sensor within one meter of your Vera gateway and follow the instructions outlined in the installation wizard. Ensure that you press and hold the tamper/program switch for at least one second.

Step 4:
Once you have successfully paired the device with your Vera you can move it to your desired location ensuring that it is still within range of your Z-Wave network.

### 7.8 HikVision Bullet IP Camera

Vera does not currently have a device wizard for this camera, so you will have to install it as a generic IP camera. The complete installation procedure is outlined below.

#### Camera Set-Up

**Step 1:**
Set cameras positioning, this can be done by removing the cover from the camera using a screwdriver and then adjusting the camera’s angle to suit your needs. (Ensure the cover is back in place before beginning step 2)

**Step 2:**
Install the SADPTool software that comes with the Camera on the disk onto your computer.

**Step 3:**
Connect your camera to a power supply and your router via an Ethernet cable, the camera also supports PoE (Power over Ethernet).

**Step 4:**
Load up the SADPTool software and select your camera from the list, you will need to activate the camera and you will be prompted to create a password for the device.

**Step 5:**
Once set-up has been complete you will be able to access your camera via the IP that has been assigned to the device, if you selected DHCP upon set-up you will need to access your router via a web browser and locate the section of your router that shows connected devices to find the IP.

#### Vera Integration

**Step 1:**
Open up your Vera UI and selected devices and go to add devices, enter ‘IP Cam’ into the search bar then scroll down and select Generic IP Camera wizard.
Step 2:
Skip through steps 1-3 and select Manually install the camera.

Step 3:
Tick the manual configuration box to the left of the Refresh list at the bottom of the page and select Hikvision IR Cube, simply put in the details for the camera including username and password and press test camera at the bottom of the page, once the camera has been confirmed you can name the device.

Note: You select Hikvision IR Cube as it uses the same details as the Hikvision Bullet Cam and allows easier setup.

Step 4:
Access your cameras web interface via its IP in your web browser, log-in with your credentials and go to the Configuration Tab.

Step 5:
Press the Video/Audio button on the left-hand side and change Stream Type to Sub-stream, you should see the following screen, and make sure that all your settings match the following for the best quality image.

7.9 GOAP SINGLE RELAY
Step 1:
Click the “Add Device” button on the “Devices” page.

Step 2:
Select QUBINO Flush 1 Relay under the “Dimmers and Lights” category.
**Note:** QUBINO and GOAP are the same devices, they are just branded GOAP in Australia
Step 3:
There are two pairing options available to the GOAP single relay;

Firstly there you NWI (Network Wide Inclusion) when you device is powered up without being connected to a Primary Controller it will begin its inclusion process, this means that when you put your Vera Controller into Inclusion mode then power up the GOAP relay within 5-10 seconds it will include into the controller without you needing to physically press anything on the device.

Secondly when your GOAP is already powered follow the instructions outlined in the installation wizard. Ensure that you only **Press the I1 three times within three seconds**, pressing the button any more times will stop the device including as it will think you are just turning the light on and off.

Step 4:
Once you have completed the device wizard the device will appear in your “Devices” tab. You can now use it to trigger scenes or be triggered by scenes, as well as change its state via the web interface or mobile app.

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**7.10 YALE ASSURE DIGITAL DEADBOLT**
Please read Yale Assure Digital Deadbolt installation manual, check if Z-Wave module installed properly and set deadbolt into configuration mode.

Step 1:
Click the “Add Device” button on the “Devices” page.

Step 2:
Select Yale Touchscreen Deadbolt Assure Lock (YRD226/YRD246) under the “Door Locks” category.

Step 3:
Follow the instructions outlined in the installation wizard.
Once you have completed the inclusion procedure your lock will be ready to use. The following step outlines how to adjust your lock settings and manage PIN codes.

Step 4 (Optional): Configuring the YALE Assure Digital Deadbolt in VeraEdge UI7

Click on the “>” icon next to your lock in the ‘Devices’ section of your Vera Dashboard. You will be presented with the following screen:

From here you can manage your lock’s settings and PIN codes.

To Add/Delete a PIN code select ‘PIN Codes’:

- To Add select ‘Add Pin Code’ and type in a name and PIN code for that slot
- To Delete click the Dustbin Icon next to the relevant code you wish to delete
- To Modify the times at which a Pin can unlock the door click ‘Restrictions’ on the relevant PIN you wish to modify. You will see a Validity Menu appear at the bottom of the screen:
• Select 'Always' if you want the PIN to work all the time

• Select 'Daily' to specify a start/end time and date range you want the PIN code to operate.

• Select 'Weekly', to specify the days of the week and the start/end times you want to restrict PIN access to.

7.11 ADDING ZIGBEE DEVICES

ZigBee is available on both Vera Plus and Vera Secure, however Vera Edge controllers lack ZigBee compatibility. ZigBee devices are controlled in your Vera Interface just like any Z-wave Device, Inclusion is also just like adding a generic Z-wave device.

Step 1:
Click the “Add Device” button on the “Devices” page.

Step 2:
Select Search and search for Generic, then Select ‘Generic ZigBee device’

Note: At the current point in time there are add wizard devices for ZigBee

Step 3:
Place the ZigBee Device within one meter of your Vera gateway and follow the instructions outlined in the installation wizard. Inclusion instructions should be located in the device manual.

Step 4:

Once you have successfully paired the device make sure that you place the device within is recommended range of the controller as ZigBee devices do not take advantage of the Z-wave Mesh Network.

Your Device should then proceed to function like your standard Z-wave variant of the device.

Note: Not all ZigBee devices will be compatible with your Vera controller as there are a number of different protocols and not all are able to interact with each other.

8  **VOICE CONTROL**

8.1 **AMAZON ALEXA**

The Amazon Alexa integrates natively into Vera Controllers, this means that you do not need any additional components in order to have voice control running on your Vera Controller.

If your Vera controller has been updated to 1.7.3531 or higher it will have the Alexa plugin installed on your controller by default.

Step 1:
Set up your Amazon Alexa using the instructions supplied with the device.

Step 2:
Either install the Alexa App on your Tablet/Mobile or go to [http://alexa.amazon.com](http://alexa.amazon.com) and login.

**Note:** The steps required are the same for both the web interface and the Tablet/Mobile interface

Step 3:
Go to **Smart Home** Then **Enable Skills** this will take you to a page with a list of Skills, you will need to search for **Vera Control** then select **Vera Control** and press Enable.

Step 4:
Using the new tab that should have opened login to your Vera using your credentials.

Step 5:
Select what devices you want to control using your Amazon Alexa.

**Notes on Integration:**
The Amazon Alexa will detect all Vera controllers on your account, if you have more than one make sure you select the correct devices on your desired controller.
Blind Controllers are currently not useable by Amazon Alexa.

8.2 GOOGLE HOME INTEGRATION

As of writing this guide there is currently no native integration for Google Home with Vera controllers, in order to use a Google Home’s voice control with a Vera Controller you will need additional components, this section will cover using a SAKRO Automation Bridge to bridge the Vera and Google Home.

Step 1:
Set-up your Google Home using the instructions provided with the product.

Step 2:
Set-up your SAKRO Automation Bridge and ensure you select your correct controller.

Note: Once you have linked your Automation Bridge with your Vera controller it is advised that you set a Static IP for your Vera Controller so ensure that they don’t become un-synced.

Step 3:
Using the Google App on your Tablet/Mobile you will need to navigate to devices, this can be done by using the drop down on the top left of your screen, or the top right.

Step 4:
Access the settings of your Google Home by pressing the three dots located to the right of the Hub on your phone, then go to Home Control.

Step 5:
Under Home Control press the plus sign at the bottom right of the screen then locate Automation Bridge.

Step 6:
Once you have linked your Google Home and Automation Bridge you will see a list of devices that you have set the Automation Bridge to allow Google to Control.

Voice control will now be active for those devices, if you do end up changing what devices you wish to control you may simple say “Check for New devices” and your Google home will Sync update its linked devices.

9 Z-WAVE SCENES

9.1 WHAT ARE SCENES?

Scenes are one of Z-Wave’s most powerful features. They allow you to send different commands to different devices with the push of a single button (or when an event is triggered). You can have your hallway lights turn on when a motion is detected or have your heating turn on when you’re on your way home from work. The possibilities are endless.

Scenes are very flexible and much more powerful than groups, but they take a lot of memory to store the different commands. Therefore, most handheld controllers can only store a few scenes. Static controllers such as the Vera gateways however can handle an almost unlimited number of scenes.
9.2 SETTING UP A SCENE

To set up a Scene you will need three things; a Vera gateway, a “trigger” (this can be another device, a specific time or simply a button) and a device to perform the desired action. Once you’ve decided what Scene you want to create setting it up is easy!

Click the Scenes button on your Vera Dashboard to get started.
Assuming you’ve never created a Scene before, you’ll see something like this:

Next select the Add Scene button (in the upper right) to begin creating your own custom sequence. You may see some help info explaining the process, and Step 1 will appear, asking you to Select a Trigger.

As show in the image of the Help screen above, the process of creating a custom Scene consists of two basic steps; selecting a Trigger that activates the Scene, and selecting a resulting Action that will occur. (You can have several Triggers and several Actions for the same Scene, and you can also receive a Notification whenever the Scene activates. But for the example shown here, we’ll keep it basic.)

Selecting the Trigger:
There are three types of Triggers:

- **Device** - The Scene will begin when a sensor or other Device in your system changes state, such as a door opens or
temperature changes.

- **Schedule** - The Scene will begin hourly, daily, weekly, monthly or according to whatever schedule you choose, or can be based on sunrise/sunset times for your specific location.

- **Manual** - This will create a Scene that will only activate when you manually activate it, this is generally used for scene controllers such as Keyfobs and wall remotes, as you may want multiple scene controllers to be able to handle the same action without needing to change the scene each time you add a new controller.

**Step 1: Select a Trigger**

Select a device that will trigger activation of this scene.

**Selecting the Action:**

Once you have selected a trigger for your scene you will be asked to select the device that you want to become active when the scene is triggered. This could be an alarm that turns on when a motion is detected or a light that turns off when no one is home, you’re only limited by your imagination.

You can also choose to delay this action (i.e. have the device go off after 30 seconds) to better suit your needs.

You can have multiple Actions and Triggers in a scene, you might have two different motion sensors turn on a specific light, or you could have a motion sensor turn on an array of lights.

**Finishing up:**

In the final step you will be able to set which Modes the scene will be active for as well as organising a notification to be sent to you when the scene runs.

*(Note: receiving an email notification is free but to receive a text message notification will require further setup and costs)*

Here you can also input a custom Luup code which allows for finer control of your scenes. However, a poorly written code can cause issues for your scene and gateway, so it’s best to leave this section blank until you are confident in what you are doing.

You will then be able to set a room for the Scene to be assigned to as well as naming the scene to your liking.

After you’ve completed this step you’re all done! Your new scene will appear under the Scenes tab and begin working automatically.
9.3 Example Scene

Example: Turn on light when there's motion in the stairway

For the example shown in the next few steps, we're going to create a Scene to automatically turn on a stairway light whenever motion is detected.

In this example, the device trigger method is selected. We click the right arrow button to the right of Select a Device. We next see a list of our devices. The list may be organized by Room or by Type, in the example shown below Type is selected. Note that not every device can be a Trigger Device, and you will only see listed those devices that can be used as a trigger. (For example, if you have an alarm siren in your system, you cannot use it as a trigger because the siren is an output device.)

For this example, we're going to use the Motion Sensor section of the 4-in-1 sensor, so we'll select the right arrow next to this device.
The Motion Sensor has several possible parameters that can be used to trigger the Scene, including whether it is armed or disarmed when motion is detected, and when the battery level is low. For our Scene, we're not really concerned about whether it is armed or disarmed (the question of "arming" is for security applications) or what the battery level is (that's a separate alert), so we'll select the third choice in the list, "Whenever 4 in 1 sensor detects motion whether armed or disarmed."

We click to the next screen, see the Device Trigger is properly setup and see the option to add another trigger before moving on to Step 2. You can have several different things trigger the same Scene, but for this example we'll just use the Motion
Sensor.

We select Next Step at the bottom of the page.

Now we're up to Step 2, which is telling Vera what we want to have happen when the Motion Sensor detects motion.

**Selecting What Will Happen**

For this example we want a device to turn on the stairway light. The Device is a Lamp Dimmer. So, we click the right arrow next to Select Devices. (Note: We'll have the opportunity later to create Notifications whenever a Scene is triggered.)
Next we'll see a list of Devices in our system. This list may look like or be the same as the list we saw earlier, for the Trigger Devices. But in this list only devices that can perform some action (such as sounding an alarm siren) will be shown. (So in this list, for example, the 4-in-1 Sensor no longer appears, as the sensor cannot be told to do anything, because it is a pure "input" Device.

From this list we select the Stairway light dimmer, at the top.
A small menu appears asking what the dimmer should do when triggered. We set this to 100% because we want the stairway light to come on at full brightness.

Another option we can add to this Scene is to delay the Action. But that would be annoying, since we want the light to come on immediately if someone is using the stairs, so we'll skip this step.
We're done and ready to move on to naming this new Scene and setting up Notifications for it, so we click Next Step at the bottom.
Now we're up to Step 3, where we finish up with a few more details. First is the question of which Modes this new Scene will be active for. Do we want it to run all the time, regardless of whether we're home or away or on vacation, as that's what "When I am in any mode" means.

We really only want this Scene to be active when we're home, so we need to make a change from this default setting. We click on the right arrow next to "When I am in any mode." We next see a choice of which Modes to activate the Scene for, and select only Home here, and click 'Done'.
Next we can tell Vera who we want to notify whenever the Scene runs. We could choose to send an email or text notification to any user. But realistically, such notifications are more useful for knowing who is coming and going, or for security applications -- we don't want to notify anyone that the lights have come up in the stairway. So we'll skip this step, and also skip the opportunity to enter custom Luup computer code here (that's strictly for advanced users!) and proceed to naming the Scene.

**Naming Your New Scene**
You can name a Scene anything you want, but the more descriptive you make it the less confusing things will be later on when you have many Scenes. Avoid names like "my first scene" and go for something that explains what it does, such as in this case, “Stairway Light On - With Motion.”

We're done! The new Scene, "Stairway Light Up when Motion Detected," now appears under Scenes on our Dashboard. As mentioned earlier, it's easy to edit the Scene by clicking on the pencil icon to the left of the Scene name.

**Testing the New Scene**
The new Scene will automatically be active in the Modes that were selected when it was created, in this case Home Mode only. There's nothing more needed to do, it will happen automatically. At this point we can leave the Scenes tab and return to the main Dashboard tab.

Before leaving however, we might want to test our new Scene using the Run button. To be clear, this does not test the entire Scene, but rather, it tests the Action that is set to occur in the Scene. Think of the Run button as a test trigger.

So, in the example we've created, instead of waiting for motion in the stairway to occur, we can test our Scene by clicking the Run button (looks like a "play" icon) and observing whether the stairway light comes on.
When we run the test it only lasts for a few seconds, during which time the Run button changes to a check mark and "Success" appears if it runs OK. (If there’s a problem, the error or fail symbol will appear, as shown in the legend underneath.) Then a few seconds later everything returns to the appearance of the previous screen.

**Note: "Run" is For Testing Only**

To be clear: **Clicking Run on this screen creates a quick test of the Action in the Scene. You do not activate the scene from here.** The Scene is automatically active for the Modes that were selected when the Scene was created. In the above example, the Scene will be active whenever Vera is in Home Mode.
10 SPECIAL DEVICES

10.1 RF 433MHz To Z-WAVE BRIDGE

1. You will need to download the configurations files for your Vera controller to be able to link to your Bridge; you can download them from the following link. There is a button at the bottom to download all the files in a Zip. http://code.mios.com/trac/mios_rfxtrx/browser/trunk

2. Once you have downloaded and unzipped your files you will need to upload the files onto your Vera Controller, this can be done by going to APPS>DEVELOP APPS>LUUP FILES once there press Upload and select all the files from the trunk file.

3. Connect your RFX Bridge to the back of your Vera using the USB cable provided.

4. You will then need to create the Master device, this can be done by copying and pasting the following code into your browsers search bar.


You will need to change Vera_Local_IP to your Vera’s IP.

5. You will then need to configure the Serial Port on the Vera Unit, navigate through the following menus
APPS>DEVELOP APPS>SERIAL PORT CONFIGURATION and configure the details as follow
6. You will then need to reboot your Vera, to do this navigate the following menus SETTINGS>NET & WI-FI and Press Reboot.

7. After the reboot you should see a device on your interface without an image called RFX433.

10.2 Bosch Security System

It is possible to integrate a Bosch Security System with your Vera however it requires you to use firmware 1.3.0 on your Bosch System (unfortunately newer firmware versions currently do not support Vera integration).

To upload the configuration to your Bosch Security Panel you will need to use an A-Link Plus.

You can download the latest DLA software for your A-Link Plus from the Bosch website:

https://hr.boschsecurity.com/hr/proizvodi_1/softwareproducts_17/intrusionsoftware_18/programmingsoftware_37/programmingsoftware_37_products_58430

http://resource.boschsecurity.com/software/A_Link_Plus_v4.1.2_e_Software_setup_all_11962507275.exe

You will also need to download the plugin files from the following link (Link Required, you will also find attached the Zip file that needs to be attached to the link)

The download contains the 1.3.0 version firmware, a config file for your Bosch panel a folder called SolutionAlarmPanel.

Once you have prepared the above you are ready to begin the integration process.

Upload the config file onto your Bosch panel and then complete the following steps;

Replace Module's IPv4 Static Address with your desired IP address (choose an address that is not already held by a different device in your network) and change IPv4 Default Gateway to the IP address of your Wi-Fi router.
Open the SolutionAlarmPanel folder there will be 10 files, you will need to locate L_BoschSolutionAlarmPanel1, open up the Vera’s interface on your computer and navigate through the following menus to Apps>Develop apps>Start-Up LUA.

Copy the contents of L_BoschSolutionAlarmPanel1 into the box and press GO (the Lua file can be opened using a text editor such as notepad)

After pressing GO you will need to reboot your controller, you can do this by powering the controller down and then back up again.

After the reset locate Luup files under Apps>Develop apps and upload the files that were in the Zip File downloaded in step 3. (Make sure to upload all files including the LUA file as some of the Implementation Files reference the file).

Once the upload is complete, navigate down to Create device in Apps>Develop Apps and input the following information:

Device Type – “Name” (The Name you wish for the device)
Internal ID – The ID you wish to assign to the device, it might be worth selecting a higher number such as 50
Description – Bosch Security Panel
Upnp Device Filename - D_BoschSolutionAlarmPanel1.xml
Upnp Implementation Filename – I_BoschSolutionAlarmPanel1.xml
IP Address – The IP address of the panel’s IP module (you will also need its port which by default is 7700, eg. 192.168.0.2:7700)
MAC – The MAC Address of the B426 Module
Once you have entered the above details press Create device and wait a minute before restarting your Vera controller again.

When your Vera has rebooted you should see two new devices, one named device and one area, this is your Bosch alarm Panel.

Going into Area 1>Area Control will allow you to arm and disarm the Bosch Alarm panel manually, you can also have this trigger automatically using the Home and Away mode which is covered below.
Controlling the Bosch Panel with a Vera Controller

On your Vera Dashboard go to My Modes, locate ‘What to do when this mode is selected?’ Locate Area 1 and change it to ‘All on Delay’ for any mode where you want the Bosch Panel to Arm.

<table>
<thead>
<tr>
<th>Area 1:</th>
<th>Turn Off</th>
<th>All On Delay</th>
<th>No Change</th>
<th>No Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Lights</td>
<td>No Change</td>
<td>No Change</td>
<td>No Change</td>
<td>No Change</td>
</tr>
</tbody>
</table>

10.3 NESS M1
Listed below are the steps required to integrate the NESS M1 Panel with a Vera Controller
1.1 Covers setting up the M1XEP’s settings.
1.2 Covers Setting up the M1 Panel settings.
1.3 Covers Integration between the M1 and the Vera.

1.1 Setting up the M1XEP
Step 1: Open your M1 Account in ElkRP, and connect to your panel via the M1XEP.
Step 2: From the **Accounts details** page, click on the **M1XEP Setup** button

Step 3: Select **TCP/IP Settings** and ensure you have set a Static IP Address, enable the non-secure Port. Make note of both the Static IP Address (e.g. 192.121.0.15) and the Port (e.g. 2101).

If you do make any changes to the settings press the ‘send’ button at the bottom of the page to update the settings on the M1XEP.

Step 4: Once you have sent the settings to your panel close the M1XEP setup screen.
Step 5: Ensure your M1XEP is running firmware 2.0.42 or above.

1.2 Setting up the M1

Step 1: Select expand on the Zones tab from the side menu of the ElkRP and select a Zone.

Step 2: Make Sure the Zone has a name, if it has no name or starts with a space it will not work with the Vera Gateway, also make sure Configuration Definition is not set to 00 = Disabled.
Step 3: Select Tasks from the Automation menus, make sure the Tasks you want to use with the Vera Gateway has a name and have ‘Show’ ticked.

Step 4: To enable lighting control you will need to make sure the light has a name that does not start with a space, the Format needs to be Standard the type needs to be set to On/Off Switch and Opt/Show Boxes are both ticked.

Step 5: For Outputs make sure they are named and don't start with a space, and ensure that Show is ticked.
Step 6: Back out of Automation and click `Global` locate G29-G42 (Special) and make sure all the `Serial port 0 Transmit options` are ticked.

Step 7: Once you are happy with your settings Disconnect from the ElkRP.
1.3 Setting up the M1 Plug-in

Step 1: Select Apps>Install Apps and search Ness M1 and press Details.

Step 2: Under Ness M1 press Install, the App will begin installation and once it has finished you will be prompted to go back to the Dashboard.

Step 3: Select Apps>My Apps and select Ness M1, then press Create Device.
Step 4: Select Devices and locate the new device named Ness M1 and access its options.

Step 5: Under the Advanced Options tab input the IP and Port Number of your M1 Panel under IP.

Step 6: Press wait for confirmation to pass then press back and press Save Changes.

Step 7: You will then need to power cycle your controller, to do this go to Settings>Net & Wi-Fi and press Reboot.
You will need to wait a couple of minutes for your controller to reboot, once it does you should see every device you activated on your M1 Panel appear in the interface.

11  **Z-WAVE SOLUTIONS**

11.1 **FLOOD WARNING SYSTEM (DOME FLOOD SENSOR, DOME WATER VALVE)**

11.2 **BATHROOM HUMIDITY (PHILIO HUMIDITY, GOAP SINGLE RELAY)**

Below is a guide on how to set up automation to tackle high humidity areas such as Laundry rooms and Bathrooms.

**Items needed:**

A Z-wave Device that is able to detect Humidity.

*For this example we will be using a PHILIO Humidity Sensor.*

A Device that can trigger from the Humidity Detector.

*This example we will be using a Switching Relay (FIBARO) and a Window Winder (FAKRO)*

1. Include all your devices using your Vera Controller.
2. Position the PHILIO Humidity Sensor close to your Roof for the best results.
3. Set up your Scene linking your two control devices.

**Relay Switch**

Set the Humidity Sensor as the Trigger for the Scene
Then you will need to set what device you want to activate when the Humidity matches the above mentioned Humidity.

When using this Method for a Window winder or any other device that opens part of your house, it is advised that you have an Auto close function also enabled for it, in either one of two ways, either have another Scene set that will close the window when the Humidity drops below a certain level.

**Step 1: Select a Trigger**

- **Device Trigger**: Humidity reported by Warehouse Humidity goes below 45

Add another trigger

Next Step
Or you could have the same Scene be on a timer based on how long a rough cycle is, so let's say a Dryer last for 15 minutes

This will allow for a small window after the cycle for excess humidity to be vented as the Scene will originally start part way through the dryer’s cycle.

Please note that you may need to tinker with the Humidity levels from time to time to account for the Australian Weather.

12 FREQUENTLY ASKED QUESTIONS

Q: Do I need to keep my computer on and logged in to my Vera Controller all the time to keep Vera running?

A: No. Vera continues to work all the time, 24/7 regardless of whether your computer is on or off. It is the Vera Controller that runs things in your Vera system, including sending out email and text notifications. You only need your computer for the initial setup of the system, and then for making changes, such as for switching Modes, adding Scenes or adding new Devices. You can control the system entirely through mobile apps with your smartphone, or leave it running automatically.

Q: Can I add a Device if there’s no Device Wizard for it?

A: Yes. Vera works with all Z-Wave Devices, and most Wi-Fi (IP) Devices such as Wi-Fi (IP) Cameras. The Device Wizards for select Devices make it especially easy to add these Devices to your system, since step-by-step detailed instructions are provided. However, within each Device category -- such as Sensors or Thermostats -- there is a "Generic" Device option for adding Devices for which there is no Device Wizard. Adding these Devices may require paying a bit more attention to
technical details than when using the Device Wizards; however, Vera Support is always available to help you with the process.

**Q: Does "pairing" require moving the Controller close to the Device?**

A: That depends. Usually the answer is no, you can pair the Device from anywhere within its operating range (approximately 25 to 100 feet, depending on obstructions. However, some Devices -- including many door locks, in particular -- require bringing the Controller very close to the Device, within a 3-foot (1-meter) range, to do the pairing. This requirement is for extra security, and after the Device is paired it will work over the normal range. All Vera Controllers offer a battery power option to accommodate this occasional requirement.

**Q: How secure is my Vera system?**

A: Extremely secure. The Z-Wave security implementation was created by a consortium of companies, known as the Z-Wave Alliance, which includes many large, security-conscious companies such as major lock manufacturers. This system incorporates 128-bit encryption, among other security measures. We have not heard of any security vulnerabilities or exploits. (For more info, we have a forum at forum.micasaverde.com dedicated to security concerns.)

**Q: What is the range of my Vera Controller, and can I extend it?**

A: Approximately 25 to 30 feet and “yes” are the quick answers. “It depends,” is the more accurate answer. Keep in mind that Vera uses at least two wireless communication systems: Z-Wave for most non-camera Devices, and Wi-Fi for wireless cameras. So the range for cameras may be different than for door/window sensors. With Wi-Fi, the range is the same as for everything else that uses Wi-Fi in your home or office -- if you can use a laptop or smartphone with Wi-Fi from a particular location, then your Wi-Fi camera will also work there. When needed, you can add a Wi-Fi range extender to get cameras working from outside the normal Wi-Fi range. With Z-Wave, the “official” range is supposed to be about 100-feet (30-meters) but that’s under ideal conditions in an open field. In reality, materials that are in the signal path limit Z-Wave range:

- Each wall or obstacle (such as refrigerator, big screen TV, etc.) between the Controller and a Z-Wave Device will reduce the maximum range by approximately 25-30%.
- Brick, ceramic tile, granite, concrete walls, metal walls, mirrors and smoked glass block Z-Wave signals more than walls made of wooden studs and plasterboard (drywall) or clear glass or plastic.
- Wall mounted Z-Wave devices installed in metal junction boxes will suffer a significant loss of range (approximately 20%) since the metal box blocks a large part of the Z-Wave signal.
- All Z-Wave Devices that plug directly into an AC wall power outlet, such as dimmers and smart switches, act as “repeaters”. You can also buy a repeater as a standalone accessory Device. If a Z-Wave Device does not appear to be communicating with the Controller, try plugging in a repeater approximately halfway between the Device and the Controller.

**Q: Can Vera work without the Internet?**

A: Yes. Your Vera system works all the time, even when your Internet service goes down. Of course, without the Internet you won't have remote access to your Vera system. However, the system will continue to work. (If equipped with "cellular backup" capability, your Vera system can also send out text and/or email notifications without Internet.)

**Q: Why does Vera use different communications systems?**
A: To maximize compatibility. Our philosophy is quite simple: We think you should be able to choose whichever brand and model of thermostat you want, whichever door lock you want, and so on. Having a smart home should not mean that you are stuck with a limited selection of Devices that will work with your system -- with Vera, you can use any Device you want, from any brand. As the universe of unique home control Devices continues to expand, this Vera strength will enable you to keep adding to your system.

Q: What's the difference between Z-Wave and Wi-Fi, and what's ZigBee?

A: These are different communication protocols. Our two mainstay communication systems, which are available on all Vera Controllers, are Z-Wave and IP (Internet Protocol, as used in Wi-Fi and LAN connections.) Most security sensors such as motion detectors and door/window sensors use Z-Wave, because it requires very little power, running on a small battery for a year or more, it has excellent security built-in, and it’s very robust (technically, Z-Wave is a "mesh network" with built-in redundancy that ensures signals get through.) Most cameras use Wi-Fi/LAN IP connections because they provide the bandwidth (number of bits per second) needed to send video signals. Depending on your Vera Controller model and/or optional accessories (often called "bridges"), you can also control Devices using Zigbee (another low-power mesh network technology) and Devices that use other home control communication protocols.

Q: Can I move my Vera system?

A: Yes. You don’t have to worry about disconnecting your Vera Controller from power for a long period of time. All your settings will be maintained. When you’re ready to install the system in your new home or office, you’ll find that all your Devices are still "paired" and recognized by the Controller. You may need to re-name some Devices if you move them to different rooms and different locations than where they were previously.

Q: Why isn’t there a control panel, like in other security systems?

A: To save money, without sacrificing convenience. If you want a wall-mounted security panel, such as found on traditional alarm systems, you can add one. Vera is fully compatible with many accessory control panels from a variety of manufacturers (look for those using the Z-Wave protocol.) With Vera's mobile apps, however, you have several advantages over a traditional panel, including the ability to control things from outside the home -- and best of all, they're free!

Q: I don't like having to use my phone or computer or tablet just to change Modes or dim a light remotely -- is there any easier way to control things?

A: Yes, get a key fob. An accessory Z-Wave key fob looks similar to a car key fob and can be used while you're home to control any aspect of your Vera system that you want -- to unlock and lock doors, dim or switch lights, adjust the thermostat, even change Modes.

13 APPENDIX

Here you can find further resources to expand your knowledge of the Z-Wave protocol and Vera Ecosystem.

Videos:
http://getvera.com/category/videos/ccc
https://www.youtube.com/user/ZWaveAustralia

Vera Plugins:
http://apps.mios.com/

Wiki:
http://wiki.micasaverde.com/index.php/Main_Page

User Guides:
https://support.getvera.com/

Vera Vesternet resource
http://www.vesternet.com/resources/application-notes/micasaverde

Lua Script coding:

New Vera interface coming 2019