OneHome™ **Management and Control Solutions**	Lighting Integration Note
Manufacturer:	Leviton Vizia Lighting System
Model Number(s):	**See table below**
Comments:	OneHome Version 4.0.1133 and newer
Document Revision Date:	3/21/2012

OVERVIEW AND SUPPORTED FEATURES.

IMPORTANT: THIS INTEGRATION NOTE AND THE DRIVER IT REFERS TO ARE OBSOLETE AND PROVIDED AS REFERENCE FOR OLDER INSTALLS AND BACKWARDS COMPATIBILITY ONLY. NEW INTEGRATIONS SHOULD USE THE LEVITON VIZIA LIGHTING WITH WAYNE DALTON THERMOSTATS INTEGRATION NOTE, REGARDLESS OF THE INCLUSION OF CLIMATE DEVICES, AS IT DETAILS USING THE NEWEST DRIVER.

Leviton Vizia Lighting is a ZWave based RF (wireless) communicating lighting system that can connect to the **One**Home software using the RZC0P RS-232 interface to provide reliable two-way control. A customizable interface can also be configured to control and track Leviton keypad buttons and individual devices.

Note: The Leviton Vizia ZWave RF operates at 900MHz. Any other devices operating on the same frequency may cause interference and need to be removed. Leviton recommends the system in installations of 7500 square feet or less and installing devices typically no more than 30 feet apart. A maximum of 128 devices can be included in a Vizia network. Please refer to the Leviton **Vizia RF Systems Guide** (www.ViziaRF.com) for other installation considerations and details on proper setup of the lighting system.

LEVITON VIZIA LIGHTING SYSTEMS SUPPORT THE FOLLOWING FEATURES:

Vizia Devices: A Device is a switch, dimmer, lamp module or appliance module, and provides power to one circuit. Up to 128 devices can be installed on a single Vizia Network. Devices are supported, and can be controlled and monitored from the **One**Home interface.

Vizia Areas: A Vizia Area is a groups of devices (up to 32) that can be controlled as a group. Areas can be "Associated" with keypad buttons to either toggle on and off, or respond to one of 255 scene commands.

Area Toggle Control: When a keypad button is setup to toggle an Area, then a single button press from a controller or button configured will turn on all the devices in that Area to their last on level. Any LEDs configured for that Area will turn on and any **One**Home Interface control configured for the Area will indicate on and stay on until either the Area is turned off or **all** of the devices in the Area are individually turned off.

Area Control without Keypads: For installations that use Areas but don't have keypad buttons configured to control those Areas, the HomeLogic Configurator allows you to manually setup Areas to control these devices as a group.

Area Scene Control: When a keypad button is setup to set a scenes for an Area, then the Devices in that Area all go to the preset at the same time. When a scene button is pressed, the LEDs configured for that Scene will turn on, and any **One**Home controls configured for the Scene will indicate on as well. Turning a scene off turns off all the Devices in the Area for that scene.

Schedule Control: Lighting schedules can be set using the Viewer software relative to sunrise, sunset, or time of day. These schedules are tied to the house mode, such as Home and Away.

Auto Detection: The **One**Home system will automatically detect dimmers, switches, controllers (keypads), button associations and scenes in the system.

Devices Supported: The following table lists the devices that are currently supported:

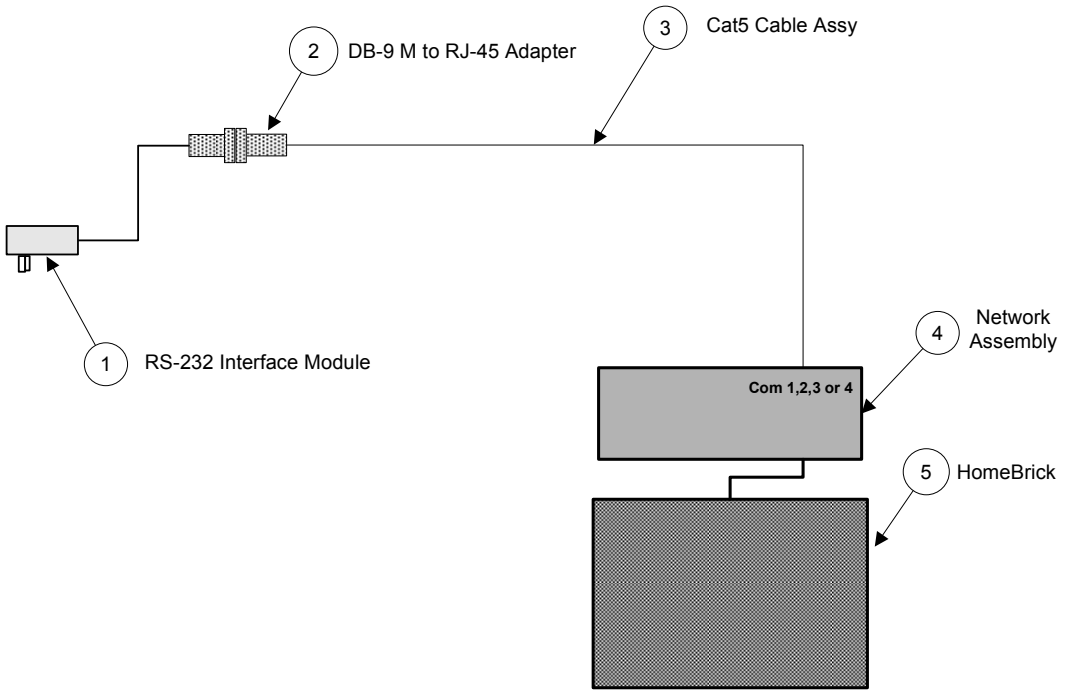
Model Number	Description
RZCPG	Vizia RF Remote Control
RZP03-1LW	Scene Capable Plug-in Lamp Dimming Module (60W Minimum, 300W Max)
RZP15	Scene Capable Plug-in Appliance Module (1800W of 15A)
RZCS4 RZCZ4	4-Scene Controller (toggle buttons) 4-Scene Controller (rocker buttons)
RZS15-1L	Scene Capable Electronic Switch (1800W Max)
RZI06-1L	Scene Capable Incandescent Dimmer (40W Min, 600W Max)
RZC0P	Vizia ZWave RS-232 Interface Module
RZCS1 RZCZ1	Remote dimmer Remote switch
Important:	The RZC0P is the only supported Z-Wave/RS-232 adapter. The newer VRC0P is not compatible.

INSTALLATION OVERVIEW

Once the system has been designed, the following steps are needed for installation and configuration.

1. Rough in the house for a normal Vizia Lighting system installation, refer to the Leviton documentation for proper installation practices.
2. Run a Cat5 cable from the Vizia RS-232 interface module to the HomeLogic system.
3. Install, program and test the Vizia Lighting System as a stand-alone system, see **Vizia Programming Overview** below and refer to the Leviton documentation for details.
4. Terminate and test the Cat5 cable from the Vizia system and the HomeLogic system. Connect the cable.
5. Configure the HomeLogic system for the Vizia Lighting, see **HomeLogic Configuration Details** below.

CONNECTION DIAGRAM



BILL OF MATERIALS

#	Device	Manufacturer	Part Number	Protocol	Connector Type	Notes
1	RS-232 Interface Module	Leviton	RZC0P	RS-232	DB-9 FEMALE	
2	DB-9M to R-J45 Adapter	HomeLogic	HA-CB-307	RS-232	DB-9 Male X RJ-45 Female	
3	Cat5 Cable Assy.	Installer	N/A	RS-232	RJ-45 Male X RJ-45 Male	
4	Network Assembly	Homelogic	HW-NA-18X4	RS-232	RJ-45 Female X DB-9 Female / USB	Use COM1, 2, 3, or 4
5	HomeBrick	HomeLogic	HW-HB-1080	RS-232	DB-9 Male / USB	

VIZIA PROGRAMMING OVERVIEW

Program the lighting system according to Vizia instructions. Refer to the Leviton Vizia lighting system documentation (www.ViziaRF.com) for system programming information. The basic procedure is as follows:

The Leviton Vizia Lighting system is programmed using its Programmer/Remote Control (RZCPG) to enroll and configure the dimmers, switches, and keypad controller devices into the Vizia Network.

1. Confirm all devices are at factory default and have not been setup in any Vizia Network.
2. Enroll all devices into the network.
3. Enroll all Controllers into the network. Controllers include Keypads and the RS-232 interface module.
4. Update all of the controllers.
5. Program Areas and Scenes as desired. (All On, All Off, Dine, Pathway for example)
6. Associate Areas to the Controller buttons as desired.
7. Update all Controllers, including the RS-232 interface module.
8. In the Advanced settings on the remote (RZCPG), under HAI setup, configure the RS-232 module for HAI communications. This enables 2-way feedback.
9. Test all devices for proper operation including Controllers.

IMPORTANT NOTE REGARDING CHANGES TO ASSOCIATIONS:

When you configure the OneHome system for Vizia, you "discover devices" to read the data from the Vizia system. This read process allows the HomeLogic system to learn the devices, controllers, and button settings.

As a result, if you make any changes to any Device associations on any Controller in the system, you MUST "discover devices" again so that the HomeLogic system has the correct information.

NOTES REGARDING THE TRACKING OF VIZIA RF DEVICES, AREAS, ZONES, AND SCENES:

In general HomeLogic will keep track of the states of all of the Vizia Network Devices, however there is latency in the reporting back of the devices from the Vizia RF network. The result is that HomeLogic will update its states as the devices report back. This is evident when watching the viewer interface after a Scene command or device is activated locally. The viewer controls will update sequentially over a few seconds (or more on larger systems) as the devices report their state.

Vizia Areas: The Area will indicate **ON** if **any** of the devices assigned to the Area are **On**. It will only indicate **OFF** when **all** of the devices in the Area are **Off.** Areas are useful if you want to know when there are any devices in a part of the house that are on.

Vizia Scenes: The Scenes will indicate **ON** only if **every** device in the scene is set to the **exact** level that they are programmed to go to for that scene.

HOMELOGIC CONFIGURATION DETAILS

The following table provides settings used in the Homelogic Configurator when connecting to an Vizia Lighting network. Please refer to the Configurator Reference Guide for more details.

In the table below:

- "<Select from list>" Select the appropriate item from the list (or drop-down) in the Configurator.
- "<User Defined>", etc. Type in the desired name for the item.
- "<Auto Detect>", etc. The system will auto detect this variable.

Devices	Variable Name	Setting	Comments
Communication Devices	**Name**	<User Defined> (Default: **Lighting**)	
	Type	**Serial Port**	
	Communication Type	**Standard**	
	Location	<User Defined> (Not Required)	
	Com Port	<Select from list>	COM1, 2, 3 or 4
Lighting Interface	**Name**	<User Defined> (Default: **Zwave RS-232 Lighting Controller**)	
	Device Type	**Zwave RS-232 Lighting Controller**	
	Location	<User Defined> (Not Required)	
	COM Device	<Select from list> (Default: **Lighting**)	
<Discover Devices>			Click the **Discover Devices** button on the Lighting Interface
Devices	**Name**	<Auto Detect>	
	Model	<Auto Detect>	
	Interface Device	<Auto Detect>	
	Location	<Select from list> (Not Required)	
	Node Number	<Auto Detect>	
Keypads	**Name**	<Auto Detect>	Or Create as desired
	Type	<Auto Detect>	
	Interface Device	<Auto Detect>	
	Location	<Select from list> (Not Required)	

COMMON MISTAKES.

1. Failing to plug the Cat5 cable assembly into the correct serial port. Make sure the RJ-45 connector is plugged into the correct serial port as specified in the Configurator.
2. Wiring the Cat5 cable assembly incorrectly. Test the cable with a LAN tester.
3. Configuring 2 subsystems with the same serial port.
4. Not having the minimum load on Vizia 2 wire dimmers. The Dimmer RZI06 and Lamp Module RZP03 have minimum load requirements as shown on the table of supported devices above. If the minimum load is not met then the devices will be unreliable.
5. Not completing or following the proper ViziaRF installation guidelines. Please refer to www.ViziaRF.com and download the ViziaRF systems guide for details on installation of the system.