Z-Wave Device Support Document For Helix^{TM} and Gateways

1. INTRODUCTION

Resolution Products' Helix security and automation platform, and the Interactive Gateway Modules (IGM) provide an ability to interface with a broad range of commercially available products that have implemented Z-Wave® communication protocols. The Z-Wave Alliance and supporting member community have designed this RF communication system to maximize interoperability between manufacturers.   Despite these efforts, there are occasionally anomalies in implementation and performance that limit full system support.

Resolution Products actively tests Z-Wave devices to ensure devices are compatible with the Helix and IGM products, and will even test feature availability through the Smartlink™ application developed by SecureNet Technologies.   This document outlines the results of these tests, confirming what features the consumer can expect to have available if they are to integrate with various Z-Wave products on the market.

Resolution Product will continue to evaluate new products, and update the support matrix as new products become certified.

2. Z-WAVE DEVICE SUPPORT MATRIX

There are three factors evaluated to determine if a device is supported by Helix and IGM offerings from Resolution Products.

1. Do all of the features outlined by the Z-Wave device function as expected.

2. Does the Helix and IGM products provide communication support required to join and talk to the Z-Wave device.

3. Are there features in the Smartlink application that allow the features and capabilities of the device to be operated by the consumer.

It is possible to have a device operate perfectly well for 10 features, but have 2 capabilities unavailable in the Smartlink application. Occasionally we will come across a product that is designed to be Z-Wave compatible, but the way it was implemented prevents Helix or IGMs from communicating with it reliably. The matrix below outlines the products tested, with a representation on overall system availability for each device.

Table of supported devices. The YELLOW features represent some minor observations for the product, but they can be considered supported and tested by the platforms.

PRODUCT	Z-Wave Device Features	Helix/IGM Communication Support	SmartLink Application Support	COMMENTS
Aeon Labs (AEOTEC) DSD37-ZWUS range extender	OK	OK	OK	
Aeon Labs DSC06106-ZWUS smart energy switch	OK	OK	OK	Energy metering not supported in SmartLink
Aeon Labs DSC24-ZWUS plug in binary switch	OK	OK	OK	Energy metering not supported in SmartLink
Aeon Labs DSC25-ZWUS plug in dimmer switch	OK	OK	OK	
Aeon Labs DSB04100 battery powered door window sensor	OK	OK	OK	Will indicate open/close status but does NOT enroll for alarm conditions.
Aeon Labs (AEOTEC) Multi-Sensor DSB05-ZWUS	OK	OK	OK	PIR will not give alarm conditions. Humidity accuracy is unreliable.
Aeotec ZW056 Door Bell	OK	OK	OK	Door bell button frequently misses presses
Aeotec ZW096 SmartSwitch 6	OK	OK	OK	Energy metering not currently supported
Aeotec ZW098 LED bulb	OK	OK	OK	Colors not supported yet, only white
Aeotec ZW100 MultiSensor 6	OK	OK	OK	PIR will not give alarm conditions.
Aeotec SW074 MultiSensor Gen5	OK	OK	OK	PIR will not give alarm conditions.
Aeotec ZW075 SmartSwitch Gen5	OK	OK	OK	Energy metering not currently supported
Domitech DTA19-750-27 dimmable screw in LED light bulb	OK	OK	OK	
Dragon PA-100 plug in binary switch	OK	OK	OK	
Dragon PD-100 plug in dimmer switch	OK	OK	OK	
Dragon WS-100 wall mount wired binary switch	OK	OK	OK	
Dragon WD-100 wall mount wired dimmer switch	OK	OK	OK	
FortrezZ SSA1US Siren and Flasher	OK	OK	OK	Will not sound automatically in alarm conditions. Must be set up in event schedule settings

Device				Notes
GE 12724 wall mount wired dimmer switch	OK	OK	OK	
GE12772 wall mount wired binary switch	OK	OK	OK	
GE12721 wall mount wired outlet switch	OK	OK	OK	
GE ZW3003 wall mount wired dimmer switch	OK	OK	OK	Requires a constant load to operate properly.
GE 45614 wall mount 3 way wired binary switch	OK	OK	OK	
GE ZW4101 plug in binary switch	OK	OK	OK	
Honeywell Thermostat TH8320ZW1000	OK	OK	OK	
Intermatic HA03 plug in dimmer switch	OK	OK	OK	
Intermatic HA05 screw in light switch	OK	OK	OK	
Intermatic HA01 wall mount wired outlet switch	OK	OK	OK	
Jasco ZW3105 (28170) Plug in Dimmer Switch	OK	OK	OK	
Jasco ZW4103 (28168) Plug in Basic Switch	OK	OK	OK	
Jasco ZW4104 (28172) Plug in Basic Switch	OK	OK	OK	
Kwikset 910 TRL ZW motorized deadbolt door lock	OK	OK	OK	Lower battery life has attributed to unreliable operation
Kwikset 912 TRL ZW door lock with handle	OK	OK	OK	Lower battery life has attributed to unreliable operation
Kwikset 914 TRL ZW motorized deadbolt door lock	OK	OK	OK	Lower battery life has attributed to unreliable operation
Kwikset 916 Touch Screen Deadbolt	OK	OK	OK	Lower battery life has attributed to unreliable operation
Leviton VRPA1 and DZPA1 plug in binary switch	OK	OK	OK	Local on/off doesn't work correctly, else good device
Leviton VRMX1 and DZMX1 wall mount wired dimmer switch	OK	OK	OK	

Device				Notes
Leviton VR106 wall mount wired dimmer switch	OK	OK	OK	Requires constant load to operate. Does not work with LED or CFL.
Leviton VRPD3 and DZPD3 plug in dimmer switch	OK	OK	OK	Local on/off doesn't work correctly, else good device
Leviton VRS15 and DZS15 wall mount wired binary switch	OK	OK	OK	
Leviton VRR15 and DZR14 wall mount wired outlet switch	OK	OK	OK	
Linear PD300Z-2 plug in dimmer switch	OK	OK	OK	Double button press for enrollment or removal
Linear WS15Z-1 wall mount wired switch	OK	OK	OK	
Linear WO15Z-1 wall mount wired outlet switch	OK	OK	OK	
Linear GD00Z-4 garage door opener	OK	OK	OK	Read set up instructions carefully. There is a 30 second delay between allowable open/close events.
Linear FS20Z-1, 120VAC powered relay binary switch	OK	OK	OK	Interesting removal sequence, see Linear manual for details.
Linear LB60Z-1 dimmable screw in LED light bulb	OK	OK	OK	
LinearWA105DBZ Siren and Flasher	OK	OK	OK	Will not sound automatically in alarm conditions. Must be set up in event schedule settings
NuTone NGD00Z garage door opener	OK	OK	OK	Read set up instructions carefully. There is a 30 second delay between allowable open/close events.
Quicklock Doorlock Z-Wave Edition	OK	OK	OK	
Radio Thermostat CT100	OK	OK	OK	
Radio Thermostat CT101	OK	OK	OK	
Radio Thermostat CT110	OK	OK	OK	Old Models may report incorrect temperature set points if changed locally
Remotec ZDS-100US plug in dimmer switch	OK	OK	OK	Works well most of the time. Occasionally will require a reset to clear incorrect status reporting issues.
Remotec ZTS-110US thermostat	OK	OK	OK	

Remotec ZXT-120 IR Thermostat Extender	OK	OK	OK	Local thermostat changes will not display in SmartLink
Schlage FE599 door lock with handle	OK	OK	OK	
Schlage BE369 NON-motorized deadbolt door lock	OK	OK	OK	
Schlage BE469 motorized deadbolt door lock	OK	OK	OK	v5.8 firmware required v6.6 or later is recommended.
Smart Thermostat B36-T10 RB	OK	OK	OK	
Trane TZ45 thermostat	OK	OK	OK	
Trane XL624 touch thermostat	OK	OK	OK	
Yale YRD220-ZW-619 motorized deadbolt door lock	OK	OK	OK	
Yale YRD210-ZW-619 motorized deadbolt door lock	OK	OK	OK	

Resolution Products support team does have additional information on products that do not behave as expected or have no functionality with the Smart Link app. If you are looking to purchase a z-wave device or have an existing z-wave device in your home, and it is not on this list, please contact Resolution Products technical support at (715)-808-0164 for more details. In some cases Resolution Products may need to refer the user to the manufacture of the device.