



# Z-Wave SDK 7.15.1 Pre-Cert GA

## Gecko SDK Suite 3.1.0

### December 9, 2020

---

Z-Ware is an engineering UI enabling control of all Z-Wave features supported by the Z/IP Gateway.

Z-Ware v7.15.1 is released in conjunction with Z/IP Gateway & Z-Wave and Z-Wave Long Range 700 SDK v7.15.1.

These release notes cover Z-Ware version(s):

7.15.1 released December 9, 2020



#### KEY FEATURES

---

- Z-Wave Long Range support
- Antitheft Unlock CC v1

## Compliance

This version has been tested on RPi3B+ as the primary hardware platform.

## Compatibility and Use Notices

This release was tested with ZIPGW SDK 7.15.1 and software device emulator. See section [7.2 Compatibility](#) for a detailed list of compatible browsers and devices.

Contents

- 1 New Items .....4
  - 1.1 Library .....4
  - 1.2 Device Database .....4
  - 1.3 Web Server .....4
  - 1.4 Scenes .....4
  - 1.5 UI.....4
- 2 Improvements .....5
  - 2.1 Library .....5
  - 2.2 Device Database .....5
  - 2.3 Web Server .....5
  - 2.4 Scenes .....5
  - 2.5 UI.....5
- 3 Fixed Issues .....6
  - 3.1 Library .....6
  - 3.2 Device Database .....6
  - 3.3 Web Server .....6
  - 3.4 Scenes .....6
  - 3.5 Engineering UI .....6
- 4 Known Issues in the Current Release .....7
  - 4.1 Library .....7
  - 4.2 Device Database .....7
  - 4.3 Web Server .....7
  - 4.4 Scenes .....7
  - 4.5 Engineering UI .....7
- 5 Deprecated Items .....8
  - 5.1 Library .....8
  - 5.2 Device Database .....8
  - 5.3 Web Server .....8
  - 5.4 Scenes .....8
  - 5.5 Engineering UI .....8
- 6 Removed Items .....9
  - 6.1 Library .....9
  - 6.2 Device Database .....9
  - 6.3 Web Server .....9
  - 6.4 Scenes .....9
  - 6.5 Engineering UI .....9
- 7 About This Release .....10
  - 7.1 SDK Contents .....10
    - 7.1.1 Component Versions.....10
    - 7.1.2 Documents .....10

---

- 7.1.3 Images .....10
- 7.1.4 Source .....10
- 7.2 Compatibility.....10
  - 7.2.1 Tested Web Browsers .....10
  - 7.2.2 It Compatible Devices .....11
- 8 Legal .....16
  - 8.1 Disclaimer .....16
  - 8.2 Trademark Information.....16

## 1 New Items

### 1.1 Library

#### Added in release 7.15.1

- Z-Wave Long Range support
- Antitheft Unlock CC v1

### 1.2 Device Database

None

### 1.3 Web Server

#### Added in release 7.15.1

- Z-Wave Long Range support
- Antitheft Unlock CC v1

### 1.4 Scenes

None

### 1.5 UI

#### Added in release 7.15.1

- Z-Wave Long Range support
- Antitheft Unlock CC v1

---

## 2 Improvements

### 2.1 Library

None

### 2.2 Device Database

None

### 2.3 Web Server

None

### 2.4 Scenes

None

### 2.5 UI

None

## 3 Fixed Issues

### 3.1 Library

#### Fixed in release 7.15.1

ID #	Description
HC-API-620	The DUT sends a Wake Up Interval Set command with Seconds field = 0 to the node supporting Wake Up CC v2
HC-API-615	Configuration CC requirements not fully implemented
HC-API-599	Doorlock command class is not working properly
HC-API-595	Interview during LR node inclusion is not finished

### 3.2 Device Database

None

### 3.3 Web Server

None

### 3.4 Scenes

None

### 3.5 Engineering UI

#### Fixed in release 7.15.1

ID #	Description
HC-API-619	CCR.2.12 - Multilevel sensor: Unknown Unit is shown instead PPM
HC-API-612	Crash during removing sleeping device from the network
HC-API-610	Removing LR node fails
HC-API-608	Z-wave freezes after "set default" and "send node info"
HC-API-605	Z-Wave crashes on adding scene/security scene
HC-API-604	Z-Wave crashes after Binary Switch, Time, Central Scene CC test
HC-API-602	Z-Wave crashes after 'Send Node Info' command
HC-API-600	Crash after 'Health check'
HC-API-591	Unable to remove Long Range node
HC-API-588	Adding Long Range node sticks in 'in progress' state
HC-API-587	Unable to re-initialize Z/IP Gateway

## 4 Known Issues in the Current Release

Issues in bold were added since the previous release. To see release notes from previous releases, go to <https://docs.silabs.com/z-wave/latest/> and select the version of interest.

### 4.1 Library

ID #	Description	Workaround
HC-API-614	During a capability rediscovery on a sleeping device the DUT does not send a Wake Up Interval Capability Get	None
HC-API-613	Memory corruption on network reset <i>Occurance: sometimes</i>	None
HC-API-597	Z-Ware cannot know if there are missing Dynamic End Points because it only knows the sum of individual EPs	None
HC-API-477	Z-ware does not assign return routes to reporting sleeping slaves <i>This bug will be resolved on Z/IP Gateway side.</i>	None

### 4.2 Device Database

None

### 4.3 Web Server

None

### 4.4 Scenes

None

### 4.5 Engineering UI

ID #	Description	Workaround
HC-API-621	Sometimes UI needs to be reloaded manually to use the remove failing node function	Reload UI
HC-API-618	Failed node is not shown in the Network Manager unless UI reloaded	Reload UI
HC-API-616	The DUT often states "Operation failed!" on exclusion from another network	None

---

## 5 Deprecated Items

### 5.1 Library

None

### 5.2 Device Database

None

### 5.3 Web Server

None

### 5.4 Scenes

None

### 5.5 Engineering UI

#### **Deprecated in release 7.15.1**

The portal flavour of the Z-Ware middleware is deprecated. The residues will be removed from the code base, documentation, build, and install scripts without further notice.



---

## 6 Removed Items

### 6.1 Library

None

### 6.2 Device Database

None

### 6.3 Web Server

None

### 6.4 Scenes

None

### 6.5 Engineering UI

None

## 7 About This Release

### 7.1 SDK Contents

#### 7.1.1 Component Versions

Component	Version
Web server	7.15.1
C Library	11.0.1
PyZWare	1.00

#### 7.1.2 Documents

Document	Name
Web User Guide	INS14428
Web Server Installer Guide	INS14486
Web Developer's Guide	INS14430
Library User Guide	INS14606
Library C API Reference Manual	INS14416
Z-Ware Doxygen	zware_dox.zip
PyZWare Doxygen	pyzware_dox.zip

#### 7.1.3 Images

Platform	Files
RPi3B+ with Raspbian 9 (stretch)	zware-7.15.1-2618-89c7e625-rpi.tar.gz
Ubuntu Mate 18.04.5 32 bit	zware-7.15.1-2618-89c7e625-i386.tar.gz
Ubuntu 18.04.5 LTS 64 bit	zware-7.15.1-2618-89c7e625-x86_64.tar.gz

#### 7.1.4 Source

File	Description
zware.tar.gz	Web Server & pages. Library is found in src/zwave/hcapi
pyzware_src.zip	PyZWare python source

## 7.2 Compatibility

#### 7.2.1 Tested Web Browsers

Web Browser	Version
Chrome	Version 86.0.4240.198 (Official Build) (x86_64) - MacOS 10.15.7
Firefox	Version 83.0 (64-bit) - MacOS 10.15.7

## 7.2.2 It Compatible Devices

The following is a list of devices that are untested but expected to work, or are known to work with previous versions of Z-Wave.

Type	Device
S2 Firmware Samples (SDK 7.13.0)	Doorlock Class 2 PIR Sensor Class 0 Powerstrip Class 0 Switch On Off Class 0 Wall Controller Class 1
Binary Sensor	Ecolink Door and Window Sensor Everspring Door/Window Detector SM103 Everspring Motion Detector HSP02 Everspring Z-Wave Lens Changeable PIR Detector SP814 Fibaro Door/Window Sensor FGK-101-107 Fibaro Motion Sensor FGMS-001 Homescenario Motion Sensor (Rebranded Everspring ST815) Linear Corp Door/Window Transmitter WADWAZ-1 Linear Corp Wireless Door/Window Sensor WAPIRZ-1 Linear Door/Window Sensor WADWAZ-1 Schlage Door/Window Sensor Schlage PIR Sensor Vision Door/Window sensor ZD2102EU Vision PIR Motion ZD3102EU Vision Security Door/Window Sensor ZD2102EU Vision Security Door/Window Sensor ZD2112EU Vision Shock Sensor ZS 5101 Wintop iDoorSensor 1182R Zooz Mini Sensor ZSE09 Zooz Water Sensor ZSE30
Binary Switch	Aeon Smart Energy Switch DSC06106-ZWEU Aeon Smart Switch DCS24-ZWUS Aeotec Smart Switch 6 (EU) Aeotec Smart Switch 6 (EU) Aeotec Smart Switch 6 (US) Aeotec Smart Switch 6 (US) Aeotec Smart Switch DSC-24-ZWUS Climax Power Meter Switch PSM-29ZW-P5 Climax Power Meter Switch PSM-29ZW-P5 Climax Relay Controller PRL-1ZW Diehl Plug Actuator 2.0 751529-04 Everspring On/Off Module AN158-2 Fibaro Wall Plug FGWPB-121 (Security 2) Fibaro Wallplug FGWPE/F-102 GE In-Wall Smart Outlet 12721 ZW1001 GE In-Wall Smart Switch 14291 ZW4005 GE Plug-In Outdoor Smart Switch 12720 ZW4201 (On/Off Outdoor Light and Appliance Module) GE Plug-In Smart Switch 12719 ZW4101 (On/Off Light and Small Appliance Module) GE Plug-In Smart Switch 28169 ZW4103 GE Z-Wave In-Wall Smart Switch (Toggle) 12727 ZW4003 GE Z-Wave In-Wall Smart Switch 12722 ZW4005 Go Control Smart Plug-In Outlet PS15Z-2 GreenWave Reality Binary Switch NS210-F

Type	Device
	<p>GreenWave Reality Binary Switch NS210-F  Hank RGB Bulb HKZW-RGB01  Hank Smart plug HKZW-SO05  HANK Smart Plug KZW-SO05  Heiman Smatter Metering Plug HS2SK-Z-EU  Jasco Plug-In Smart Switch 45703 ZW4101  Kuju Insert Module Switch  Linear Fixture Module Receiver FS20Z  Linear Wireless Siren and Strobe WA105DBZ-1  Linear Z-Wave 3-Way Wall Accessory Switch WT00Z  Linear Z-Wave Single Wall Outlet W015Z  Linear Z-Wave Wall Switch WS15Z  Neo Coolcam Siren Alarm  NodOn Micro Smart Plug MSP-3-1-01  NodOn Micro Smart Plug MSP-3-1-01  Philio Technology Corp Smart Energy Plug PAN11-1B  Philio Technology Corp Smart Energy Plug PAN11-1B  U Fairy Plug Socket GR-201THXN+A3  U Fairy Sensor Siren GR-304N  Vision Power Monitor ZL 7261DE-5  Vision Wireless Siren &amp; Strobe Alarm ZM1601 EU  Vision Wireless Siren ZM1602EU-5  Wintop iPlug 6941R-BS  Zooz Smart Plug ZEN06  ZLink On/Off Switch PA-100 (SmartStart Enabled)</p>
Door Lock/ Entry Control	<p>Aeotec Garage Door Controller Gen5 ZW062  August Smart Lock Rev 3 AUG-SL03-C02-S03 (Security 2)  Benetek Smart Hidden Door Lock with Deadbolt  Danalock V3-BTZE (Security 2)  Schlage FE599  Vision Door Lock ZM1701  Yale Keyless Connected (Security 2)  August Smart Lock Rev 3 AUG-SL03-C02-S03 (Security 2)  iRevo R200-CH (Security 2)  Schlage FE599  Vision ZM1701  Yale Real Living  Aeotec Garage Door Controller</p>
Multilevel Switch	<p>Aeotec LED Bulb ZW098-C55  Aeotec SmartDimmer6 ZW099-C16  Hank RGB Bulb  ZLink Plug-in Dimmer PD-100 (SmartStart Enabled)  Aeon Energy Illuminator DSC08101-ZWEU  Aeon Smart Dimmer DSC25-ZWUS  Aeotec LED Bulb ZW098-C55  Aeotec Smart Dimmer6  Electronic Solutions ABMHZ Multiposition Motor  Funk Dimmer Zwischenstecker ZW ZDAN 300  GE In-Wall Smart Fan Control 12730 ZW4002  GE In-Wall Smart Dimmer 12729 ZW3004  GE In-Wall Smart Dimmer 14294 ZW3005  GE Plug-In Smart Dimmer 12718 ZW3103</p>

Type	Device
	GE Plug-In Smart Dimmer 14280 ZW3107 GE Plug-In Smart Dimmer 28167 ZW3104 GE Z-Wave In-Wall Smart Dimmer (Toggle) Gradateur 12724 ZW3005 Go Control LB65R6Z-1 Go Control Dimmable LED Indoor Flood Light LBR30Z-1 Hank RGB Bulb HomePro Dimmer ZDP200 Jasco Plug-In Smart Dimmer 45702 ZW3103 Linear Plug-in Dimmer Module PD300Z-2 LinearLinc Smart LED Lightbulb LB60Z-1 Linear WD500Z Z-Wave Wall Dimmer Switch Zipato Bulb RGBWE27ZW.EU
Multilevel Sensor	Aeotec Multisensor 6 ZW100-A Aeotec Multisensor 6 ZW100-C Aeotec Multisensor 6 ZW100-C Everspring Temperature/Humidity Detector ST814 Everspring Wireless Illumination Detector ST815 Everspring Wireless Temperature & Humidity Detector ST814 Home Seer Leak Sensor HS-LS100+ McoHome Technology Co, Ltd Sensor PM 2.5 Monitor Neo Coolcam Motion Sensor Zipato Multisensor Quad PH-PSM02 Zipato Multisensor Quad PH-PSM02
Thermostat	Danfoss Thermostat Radiator Control MT:2650 Danfoss Z-Wave RD Room Sensor DRS21 Danfoss Z-Wave RD Room Sensor DRS21 Devolo Heizkorperthermostat Radiator Control MT:2650 Devolo Raumthermostat Go Control Thermostat Rev 21 (1548) Go Control Thermostat Rev 4 (1529) HeatIT ThermosFloor Thermostat TF 021 HeatIT ThermosFloor Thermostat TF 021 Radio Thermostat CT100 Residential Control System TBZ48 Residential Control System TBZ48 Secure (Horstmann Controls) SRT321 Trane WIBTZW005
Portable Remote Controller	Fibaro button FGPB-101 Fibaro keyfob FGKF-601 Hank Four-Key Scene Controller HKZW-SCN04 Hank Four-Key Scene Controller HKZW-SCN04 NodOn Octan Remote NodOn Octan Remote NodOn The Soft Remote CRC-3-6-01 NodOn Wall Switch CWS-3-1-01 Popp Keypad Wall Controller by Art Anderson CPH Zipato PSR03-1B Z-Wave Remote
Notification Sensor	Aeotec Door Recessed Sensor Gen5 Aeotec Door/Window Sensor 6 [ZW112-A] Aeotec Door/Window Sensor Gen5 ZW120-A

Type	Device
	Aeotec Water Sensor DSB45-ZWEU Aeotec Water Sensor DSB45-ZWEU (US) Climax Carbon Monoxide Detector CO-8ZW Climax Door Contact DC-15SLZW Climax Motion Detector IR-16SLZW Climax Panic Button PB023ZW Climax Smoke Detector SD-8EL-ZW Climax Water Sensor WS-15ZW Devolo Home Control Rauchmelder Smoke Detector MT:2651 Devolo Motion Sensor MT02647 Devolo Motion Sensor MT02647 Dome Motion Detector Dome Water Sensor Dome Window/Door Sensor Ecolink Door and Window Sensor Everspring Outdoor Motion Detector SP816-1 (Security 2) Fibaro Button FGPB-101 Fibaro Door Window Sensor FGK-104 Fibaro Flood Sensor FGFS-101 Fibaro Flood Sensor FGFS-101 Fibaro Smoke Sensor FGSS-001 GE Hinge Pin Smart Door Sensor GE Smart Home Portable Motion Sensor Hank Door/Window Sensor HKZW-DWS01 Hank Motion Sensor HKZW-MS02 (Security 2) Heiman Door Sensor HS1DS-Z Heiman Smart CO Sensor HS1CA-Z Heiman Smart Smoke Sensor HS1SA-Z Linear Motion Detector WAPIZ-1 MonoPrice Door/Window Sensor Neo Coolcam Door/Window Sensor Neo Coolcam PRI Motion Sensor Neo Coolcam Water Sensor Philio Technology Corp Sensor PST02-1A Philio Technology Corp Water Sensor PAT02-1C Samsung Door Sensor SHP-SB100Z Samsung Motion Sensor SHP-SG100Z Strips by Sensitive U Fairy PIR Sensor GR-302N Vision 4in1 Multisensor ZD2201EU-5 Vision 4in1 Multisensor ZP3111EU-5 Vision CO Sensor ZS6301-5 Vision Door/Window sensor ZD2102EU Vision PIR ZD3102EU-5 Vision ZD2105EU-5 Recessed Door Sensor (SmartStart) Vision ZD2112EU-5 Door Sensor (SmartStart) Zipato Multisensor Quad PH-PSM02 Zoos 4in1 Multisensor ZP 3111EU-5 Zoos Contact Sensor ZSE08
Window Covering	Copenhagen Blinds
Alarm Sensor	Fibaro Flood Sensor FGFS-101

Type	Device
	Fibaro Smoke Sensor FGSS-001 First Alert Smoke Alarm GoControl GB00Z Glass Break Detector Vision Wireless Smoke Detector ZS6101
Ring Home Security System	Base Station Contact Sensor Keypad Motion Detector Range Extender

## 8 Legal

### 8.1 Disclaimer

Silicon Labs intends to provide customers with the latest, accurate, and in-depth documentation of all peripherals and modules available for system and software implementers using or intending to use the Silicon Labs products. Characterization data, available modules and peripherals, memory sizes and memory addresses refer to each specific device, and “Typical” parameters provided can and do vary in different applications. Application examples described herein are for illustrative purposes only. Silicon Labs reserves the right to make changes without further notice to the product information, specifications, and descriptions herein, and does not give warranties as to the accuracy or completeness of the included information. Without prior notification, Silicon Labs may update product firmware during the manufacturing process for security or reliability reasons. Such changes will not alter the specifications or the performance of the product. Silicon Labs shall have no liability for the consequences of use of the information supplied in this document. This document does not imply or expressly grant any license to design or fabricate any integrated circuits. The products are not designed or authorized to be used within any FDA Class III devices, applications for which FDA premarket approval is required, or Life Support Systems without the specific written consent of Silicon Labs. A “Life Support System” is any product or system intended to support or sustain life and/or health, which, if it fails, can be reasonably expected to result in significant personal injury or death. Silicon Labs products are not designed or authorized for military applications. Silicon Labs products shall under no circumstances be used in weapons of mass destruction including (but not limited to) nuclear, biological or chemical weapons, or missiles capable of delivering such weapons. Silicon Labs disclaims all express and implied warranties and shall not be responsible or liable for any injuries or damages related to use of a Silicon Labs product in such unauthorized applications.

### 8.2 Trademark Information

Silicon Laboratories Inc.®, Silicon Laboratories®, Silicon Labs®, SiLabs® and the Silicon Labs logo®, Bluegiga®, Bluegiga Logo®, ClockBuilder®, CMEMS®, DSPLL®, EFM®, EFM32®, EFR, Ember®, Energy Micro, Energy Micro logo and combinations thereof, “the world’s most energy friendly microcontrollers”, Ember®, EZLink®, EZRadio®, EZRadioPRO®, Gecko®, Gecko OS, Gecko OS Studio, ISOModem®, Precision32®, ProSLIC®, Simplicity Studio®, SiPHY®, Telegesis, the Telegesis Logo®, USBXpress®, Zentri, the Zentri logo and Zentri DMS, Z-Wave®, and others are trademarks or registered trademarks of Silicon Labs. ARM, CORTEX, Cortex-M3 and THUMB are trademarks or registered trademarks of ARM Holdings. Keil is a registered trademark of ARM Limited. Wi-Fi is a registered trademark of the Wi-Fi Alliance. All other products or brand names mentioned herein are trademarks of their respective holders.