



Z-Ware SDK 7.16.0.0 Pre-Certified GA

Gecko SDK Suite 3.2


June 16, 2021

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

Z-Ware v7.16.0.0 is released in conjunction with Z/IP Gateway, Z-Wave and Z-Wave Long Range 700 SDK v7.16.0.0

These release notes cover Z-Ware version:

7.16.0.0 released June 16, 2021



KEY FEATURES

- Leverage the use of Supervision CC
- Removed portal variant of Z-Ware

Compliance

- 7.16.0.0 Pre-Certified GA is pre-certified for Z-Wave and Z-Wave Long Range according to the 2021A Specification Release. Pre-certified means that the final version of the Z-Wave and Z-Wave Long Range certification tests was not available at the point of this release. The Z-Wave and Z-Wave Long Range certification will be performed based on the 2021B Specification test suites and is anticipated to begin June 1, 2021.
- This version has been tested on RPi3B+ as the primary hardware platform.

Compatibility and Use Notices

This release was tested with ZIPGW SDK 7.16.0 and software device emulator. See section [7.2 Compatibility](#) for a detailed list of compatible browsers and devices.

For more information about security updates and notices, see the Security chapter of the Gecko Platform Release notes installed with this SDK or on the [Silicon Labs Release Notes page](#). Silicon Labs also strongly recommends that you subscribe to Security Advisories for up-to-date information. For instructions see section [7.3 Security Information](#).

Compatible Compilers:

IAR Embedded Workbench for ARM (IAR-EWARM) version 8.50.9

- Using wine to build with the IarBuild.exe command line utility or IAR Embedded Workbench GUI on macOS or Linux could result in incorrect files being used due to collisions in wine's hashing algorithm for generating short file names.
- Customers on macOS or Linux are advised not to build with IAR outside of Simplicity Studio. Customers who do should carefully verify that the correct files are being used.

GCC (The GNU Compiler Collection) version 10.2.0, provided with Simplicity Studio.

Contents

- 1 New Items4
 - 1.1 Library4
 - 1.2 Device Database4
 - 1.3 Web Server4
 - 1.4 Scenes4
 - 1.5 UI.....4
- 2 Improvements5
 - 2.1 Library5
 - 2.2 Device Database5
 - 2.3 Web Server5
 - 2.4 Scenes5
 - 2.5 UI.....5
- 3 Fixed Issues6
 - 3.1 Library6
 - 3.2 Device Database6
 - 3.3 Web Server6
 - 3.4 Scenes6
 - 3.5 Engineering UI6
- 4 Known Issues in the Current Release7
 - 4.1 Library7
 - 4.2 Device Database7
 - 4.3 Web Server7
 - 4.4 Scenes7
 - 4.5 Engineering UI7
- 5 Deprecated Items8
 - 5.1 Library8
 - 5.2 Device Database8
 - 5.3 Web Server8
 - 5.4 Scenes8
 - 5.5 Engineering UI8
- 6 Removed Items9
 - 6.1 Library9
 - 6.2 Device Database9
 - 6.3 Web Server9
 - 6.4 Scenes9
 - 6.5 Engineering UI9
- 7 About This Release10
 - 7.1 SDK Contents10
 - 7.1.1 Component Versions.....10
 - 7.1.2 Documents10

- 7.1.3 Images10
- 7.1.4 Source10
- 7.2 Compatibility10
 - 7.2.1 Tested Web Browsers10
 - 7.2.2 Compatible Devices11
- 7.3 Security Information15

1 New Items

1.1 Library

Added in release 7.16.0.0

- Use a Supervision CC for SET type commands of Applications CCs

1.2 Device Database

None

1.3 Web Server

None

1.4 Scenes

None

1.5 UI

None

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 7.16.0.0

ID #	Description
685468	Loader issues with libzip_api.so and libzip_ctl.so
685111	Memory fault on 32-bit ARM due to unaligned memory access

3.2 Device Database

None

3.3 Web Server

None

3.4 Scenes

None

3.5 Engineering UI

None

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://www.silabs.com/developers/simplicity-studio#releasenotes>.

4.1 Library

None

4.2 Device Database

None

4.3 Web Server

None

4.4 Scenes

None

4.5 Engineering UI

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

None

6 Removed Items

6.1 Library

None

6.2 Device Database

None

6.3 Web Server

The portal variant, that is deployment of the Z-Ware middleware in the cloud environment, is removed. However, configuring Z/IP Gateway to work in a portal mode using ZIP PORTAL CC is still supported.

6.4 Scenes

None

6.5 Engineering UI

The portal variant, that is deployment of the Z-Ware middleware in the cloud environment, is removed. However, configuring Z/IP Gateway to work in a portal mode using ZIP PORTAL CC is still supported.

7 About This Release

7.1 SDK Contents

7.1.1 Component Versions

Component	Version
Web server	7.16.0
C Library	11.0.8
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-7.16.0-rpi.tar.gz
Ubuntu Mate 18.04.5 32 bit	zware-7.16.0-i386.tar.gz
Ubuntu 18.04.5 LTS 64 bit	zware-7.16.0-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 90.0.4430.85 (Official Build) (x86_64) - MacOS 10.15.7
Firefox	Version 88.0.1 (64-bit) - MacOS 10.15.7 Version 88.0.1 (64 bit) on Windows 10

7.2.2 Compatible Devices

The following is a list of devices that are known to work with previous versions of Z-Ware.

Type	Device
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 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

Type	Device
	<p>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 Qubino Smart Plug 16A U Fairy Plug Socket GR-201THXN+A3 U Fairy Sensor Siren GR-304N Vision Power Monitor ZL 7261DE-5 Vision Wireless Siren & Strobe Alarm ZM1601 EU Vision Wireless Siren ZM1602EU-5 Wintop iPlug 6941R-BS ZLink On/Off Switch PA-100 (SmartStart Enabled) Zooz Smart Plug ZEN06</p>
Door Lock/ Entry Control	<p>Aeotec Garage Door Controller Aeotec Garage Door Controller Gen5 ZW062 August Smart Lock Rev 3 AUG-SL03-C02-S03 (Security 2) August Smart Lock Rev 3 AUG-SL03-C02-S03 (Security 2) Benetek Smart Hidden Door Lock with Deadbolt Danalock V3-BTZE (Security 2) iRevo R200-CH (Security 2) Schlage FE599 Schlage FE599 Vision Door Lock ZM1701 Vision ZM1701 Yale Keyless Connected (Security 2) Yale Real Living</p>
Multilevel Switch	<p>Aeon Energy Illuminator DSC08101-ZWEU Aeon Smart Dimmer DSC25-ZWUS Aeotec LED Bulb ZW098-C55 Aeotec LED Bulb ZW098-C55 Aeotec Smart Dimmer6 Aeotec SmartDimmer6 ZW099-C16 Electronic Solutions ABMHZ Multiposition Motor Funk Dimmer Zwischenstecker ZW ZDAN 300 GE In-Wall Smart Dimmer 12729 ZW3004 GE In-Wall Smart Dimmer 14294 ZW3005 GE In-Wall Smart Fan Control 12730 ZW4002 GE Plug-In Smart Dimmer 12718 ZW3103 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 Dimmable LED Indoor Flood Light LBR30Z-1 Go Control LB65R6Z-1</p>

Type	Device
	<p>Hank RGB Bulb Hank RGB Bulb HomePro Dimmer ZDP200 Jasco Plug-In Smart Dimmer 45702 ZW3103 Linear Plug-in Dimmer Module PD300Z-2 Linear WD500Z Z-Wave Wall Dimmer Switch LinearLinc Smart LED Lightbulb LB60Z-1 Qubino Luxy Smart Light Qubino Luxy Smart Switch Zipato Bulb RGBWE27ZW.EU ZLink Plug-in Dimmer PD-100 (SmartStart Enabled)</p>
Multilevel Sensor	<p>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</p>
Thermostat	<p>Danfoss Thermostat Radiator Control MT:2650 Danfoss Z Wave RD Room Sensor DRS21 Danfoss Z Wave RD Room Sensor DRS21 Devolvo Heizkorperthermostat Radiator Control MT:2650 Devolvo 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</p>
Portable Remote Controller	<p>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</p>
Notification Sensor	<p>Aeotec Door Recessed Sensor Gen5 Aeotec Door/Window Sensor 6 [ZW112-A] Aeotec Door/Window Sensor Gen5 ZW120-A Aeotec Water Sensor DSB45-ZWEU</p>

Type	Device
	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 Fibaro Smoke Sensor FGSS-001

Type	Device
	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

7.3 Security Information

Secure Vault Integration

This version of the stack does not integrate Secure Vault Key Management.

Security Advisories

To subscribe to Security Advisories, log in to the Silicon Labs customer portal, then select **Account Home**. Click **HOME** to go to the portal home page and then click the **Manage Notifications** tile. Make sure that 'Software/Security Advisory Notices & Product Change Notices (PCNs)' is checked, and that you are subscribed at minimum for your platform and protocol. Click **Save** to save any changes.

