

# **Decora Smart Z-Wave OTA Firmware Updater**

## Description:

This document describes how to update the firmware in Decora Smart Z-Wave devices over the air, using a USB Z-Stick Firmware Updater.

## **Items Needed:**

- 1) USB Z-Stick Firmware Updater
- 2) Decora Smart Z-Wave OTA update package for each device type to be updated:
  - a. DZ6HD
  - b. DZ1KD
  - c. DZ15S
  - d. DZPA1
  - e. DZPD3
- 3) Decora Smart Z-Wave devices that are already installed and enrolled into a Z-Wave Network, such as a Samsung SmartThings hub, Wink hub, or Leviton VRUSB
- 4) PC or laptop (running Windows 7, Windows 8, or Windows 10) with USB port

### Setup:

- 1) Download the update package for each type of device to be updated. Each update package contains a group of files that are specific to the device type.
- 2) Insert the Z-Stick into a USB port on the PC or laptop.
- 3) Select the update package for the device type to be updated. For example, if you are updating the Decora Smart DZ6HD Dimmer, select the **DZ6HD\_01\_20\_ota\_\_TargetZwave\_\_** package from the list.

Note: In the file name, "01\_20" signifies the firmware version (i.e. Version 01.20) of the update package.

Name	Date modified	Туре	Size
]] DZ1KD_01_20_ota_TargetZwave	11/27/2018 9:21 AM	File folder	
DZ6HD_01_20_ota_TargetZwave_	11/27/2018 9:21 AM	File folder	
DZ15S_01_20_ota_TargetZwave_	11/27/2018 9:21 AM	File folder	
🐌 DZPA1_01_20_ota_TargetZwave_	11/27/2018 9:21 AM	File folder	
📔 DZPD3_01_20_ota_TargetZwave_	11/27/2018 9:21 AM	File folder	

- 4) Open the containing folder for the update package for the selected device type.
- 5) Double-click on the executable file that corresponds with the device type to be updated. For example, if you are updating the Decora Smart DZ6HD Dimmer, double-click the **DZ6HD\_01\_20\_ota\_\_TargetZwave\_\_.exe** executable file.

6)

Z			
Name	Date modified	Туре	Size
\mu Drives	11/27/2018 9:21 AM	File folder	
app.iconfile	11/22/2018 7:21 PM	ICONFILE File	35 KB
DZ6HD_01_20_ota_TargetZwaveexe	11/22/2018 7:21 PM	Application	703 KB
NeifenLuo.WinFormsUI.Docking.dll	11/22/2018 7:21 PM	Application extens	418 KB
S Zensys.Framework.dll	11/22/2018 7:21 PM	Application extens	46 KB
Zensys.Framework.UI.Controls.dll	11/22/2018 7:21 PM	Application extens	48 KB
🚳 Zensys.Framework.UI.dll	11/22/2018 7:21 PM	Application extens	775 KB
Zensys.ZWave.CommandClasses.dll	11/22/2018 7:21 PM	Application extens	117 KB
🚳 Zensys.ZWave.dll	11/22/2018 7:21 PM	Application extens	88 KB
Zensys.ZWave.SecurityCustomHAL.dll	11/22/2018 7:21 PM	Application extens	96 KB
Zensys.ZWave.SerialPortApplication.dll	11/22/2018 7:21 PM	Application extens	69 KB
Zensys.ZWave.SerialPortFrame.dll	11/22/2018 7:21 PM	Application extens	14 KB

7) When the software tool opens, click **Categories** and then select **Settings** from the menu.

Leviton Decora Smart Z-Wave OTA Tools					
Categories Help					
Firmware Update					• X
Settings					
Exit	Join Zwave Network Get Update Nodes	Update	Reset Zstick		
Туре			Version	Progress	selection

8) From the **Settings** dialog, select **UZB** and then click **OK**.

Settings		×
Communication		
Intel(R) Active M UZB (COMS):	anagement Technology - SOL (COM3):	
Defaults	Detect Apply OK C	ancel

**Note:** If **UZB** does not show up in the **Settings** dialog, you may need to load the USB drivers for the Z-Stick. Please refer to **Z-Stick USB Drivers** in this document.

- 9) The next steps involve joining the Z-Stick into the existing Z-Wave network.
  - a. From your existing Z-Wave controller, enter inclusion mode. For example, for a Samsung SmartThings, from the SmartThings app select **Add a Thing**:

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×	Add a Thing	
	Stille	
	Looking for devices	
Want to a	add Echo, Arlo, or other	devices?
	Add Device Manually	/

b. From the software tool, click **Join Zwave Network**.

Leviton Decora Smart Z-Wave OTA Tools				
Categories Help				
Firmware Update				• ×
Join Zwave Network Get Update Node	s Update	Reset Zstick		
Туре		Version	Progress	selection
CommandQueue: 0 actions queued.				

10) Once the Z-Stick has successfully joined the Z-Wave network, click the **Get Update Nodes** button to load all of the nodes for the respective device type that are currently joined to the Z-Wave Network.

Leviton Decora Smart Z-Wave OTA Tools						
Categories Help						
Firmware Update						• ×
	Exit Zwave Network Get	Update Nodes	Update	Reset Zstick		
Туре				Version	Progress	selection
CommandQueue: 0 actions queued.						

- 11) Once all of the nodes for the respective device type have been successfully loaded, they are displayed in the list, along with the Node **ID**, **Type**, and current Firmware **Version**.
- 12) To update the firmware to the current version, ensure that the checkbox for each node is checked under the column labeled **Selection**, and then click the **Update** button.

Leviton Decora Smart Z-Wave OTA Tools						
Categories Help						
Firmware Update						<b>-</b> ×
Get Update Nodes Complete						
	Exit Zwave Network Get Upo	date Nodes Upo	late F	Reset Zstick		
			43			
Id Type			١	/ersion	Progress	selection
112 Switch Multilevel			0	1.17	0%	
CommandQueue: 0 actions queued.						

13) Each selected note will be updated. A status and Progress bar will show the progress.

Leviton Decora Smart Z-Wave OTA Tools						
Categories Help						
Firmware Update						• ×
Get Update Nodes Complete						
	Exit Zwave Network	Get Update Nodes	Cancel	Reset Zstick		
Id Type				Version	Progress	selection
112 Switch Multilevel				01.17	<mark>6</mark> % 🔿	
CommandQueue: 0 actions queued.						

14) When complete, you will be notified.



15) To view the updated nodes, click **Get Update Nodes** to view the nodes with the updated Firmware **Version**.

Leviton Decora Smart Z-Wave OTA Tools						
Categories Help						
Firmware Update						• ×
Get Update Nodes Complete						
	Exit Zwave Network	Get Update Nodes	Update	Reset Zstick		
		6				
Id Type				Version	Progress	selection
112 Switch Multilevel				01.20	0%	
CommandQueue: 0 actions queued.						

Note: You cannot select a node that has already been updated.

#### **Removing the Z-Stick from the Network**

After all Decora Smart devices on the network have been updated, the Z-Stick can be removed from the current network so that is can be used to update devices on a different Z-Wave Network.

To remove the Z-Stick from the Z-Wave Network:

1) Start the exclusion process on the current Z-Wave controller. For example, on a Samsung SmartThings, start the exclusion process by pressing **Remove**.



2) From the software tool, click Exit Zwave Network.

📭 Leviton Decora Smart Z-Wave OTA Tools					
Categories Help					
Firmware Update					<del>~</del> ×
		Undete	Devet Zettel		
	Exit zwave Network	Update	Reset ZStick		
	43				
Туре			Version	Progress	selection
CommandQueue: 0 actions queued.					

3) Confirm that the Z-Stick has been removed from the network.



### Using the Z-Stick on a Different PC or Laptop

When using the Z-Stick on a different PC or laptop, if must first be reset.

1) To reset the Z-Stick, from the software tool, click **Reset Zstick**.

Leviton Decora Smart Z-Wave OTA Tools					
Categories Help					
Firmware Update					• ×
	Join Zwave Network Get Update Nodes	Update	Reset Zstick		
Type			Version	Progress	selection
CommandOueue: 0 actions gueued.					

The controller is being reset. Please wait	
Abort Action	

#### **Z-Stick USB Drivers**

If UZB does not show up in the Settings dialog, you may need to load the USB drivers for the Z-Stick.

1) The USB drivers are contained within each of the update packages in a folder named **Drives**.

Name	Date modified	Туре	Size
Drives	11/27/2018 9:21 AM	File folder	
app.iconfile	11/22/2018 7:21 PM	ICONFILE File	35 KB
DZ6HD_01_20_ota_TargetZwaveexe	11/22/2018 7:21 PM	Application	703 KB
NeifenLuo.WinFormsUI.Docking.dll	11/22/2018 7:21 PM	Application extens	418 KB
Zensys.Framework.dll	11/22/2018 7:21 PM	Application extens	46 KB
Zensys.Framework.UI.Controls.dll	11/22/2018 7:21 PM	Application extens	48 KB
Zensys.Framework.UI.dll	11/22/2018 7:21 PM	Application extens	775 KB
Zensys.ZWave.CommandClasses.dll	11/22/2018 7:21 PM	Application extens	117 KB
Zensys.ZWave.dll	11/22/2018 7:21 PM	Application extens	88 KB
Zensys.ZWave.SecurityCustomHAL.dll	11/22/2018 7:21 PM	Application extens	96 KB
Zensys.ZWave.SerialPortApplication.dll	11/22/2018 7:21 PM	Application extens	69 KB
Zensys.ZWave.SerialPortFrame.dll	11/22/2018 7:21 PM	Application extens	14 KB
Zensys.ZWave.SerialPortSession.dll	11/22/2018 7:21 PM	Application extens	13 KB
Zensys.ZWave.SerialPortTransport.dll	11/22/2018 7:21 PM	Application extens	18 KB
Zensys.ZWave.ZWaveHAL.dll	11/22/2018 7:21 PM	Application extens	87 KB
ZWave_custom_cmd_classes.xml	11/22/2018 7:21 PM	XML Document	626 KB

Name	Date modified	Туре	Size
JW050x_USB_VCP_PC_Driver	11/27/2018 9:21 AM	File folder	
43			
Name	Date modified	Туре	Size
uzb.cat	11/22/2018 7:21 PM	Security Catalog	9 KB
🛍 uzb.inf	11/22/2018 7:21 PM	Setup Information	1 KB

2) In the Windows Device Manager, look for the Unknown device under Other devices.



3) Right-click on the Unknown device and select Update Driver Software... from the menu

🚔 Device Manager			
File Action View Help			
	R 🕅 🙀 😼		
▲ → NO2T07ZW1			
Batteries			
Bluetooth Radios			
D - I Computer			
Disk drives			
Display adapters			
Human Interface Devi	ces		
IDE ATA/ATAPI control	ollers		
Imaging devices			
▷ ·			
Memory technology of the second se	driver		
Mice and other pointing	ng devices		
Monitors			
Network adapters			
Other devices			
Unknown devi	Update Driver Software		
Processors			
SD host adapters	Disable NS		
Sound, video and	Uninstall		
<ul> <li>System devices</li> <li>Universal Serial Bu</li> </ul>	Scan for hardware changes		
	Properties		
		-	

4) Click on the Browse my computer for driver software button.



5) On the Update Device Driver Software dialog, click the Browse button.

Brows	e for driver software on your computer
Search f	r driver software in this location:
C:\	Browse
🔽 Inclu	e subfolders
	t me pick from a list of device drivers on my computer
L	is list will show installed driver software compatible with the device, and all driver
L TI sc	tware in the same category as the device.
→ L TI sc	tware in the same category as the device.

6) Browse to the **ZW050x\_USB\_VCP\_PC\_Driver** folder that is in the **Drives** folder for one of the update packages and click **OK**.



- 7) On the Update Device Driver Software dialog, click the Next button.
- 8) On the Windows Security dialog, click Install.





9) The driver software will install and complete.



