



ID Lock



Z-Wave Module

Firmware Update Guide

ENGLISH

V1.2 EN 19-06-24

Prerequisites

To upgrade your Z-Wave module you need the following:

1. An ID Lock electronic door lock
2. An ID Lock Z-Wave module
3. ID Lock Z-Wave firmware file (hex-file)
4. SiLabs Z-Wave PC Controller 5 (registration required to download developer tool)
5. Z-Wave UZB controller (i.e. Aeontec Gen5 UZB)
6. A computer running Windows 10 with at least 1 USB port

To update the Z-Wave module it must be excluded from your existing Z-Wave network. Please refer to the Z-Wave manual on idlock.no/kundesenter and your Z-Wave controller guide for details on how to exclude a door lock from your network.

Before inclusion we recommend you replace your batteries with 8 new LR06 batteries to ensure nothing goes wrong during the OTA (Over The Air) upgrade.

The Z-Wave firmware hex-file is available on idlock.no/kundesenter. Look for them in the Z-Wave section on the right side.

Contents

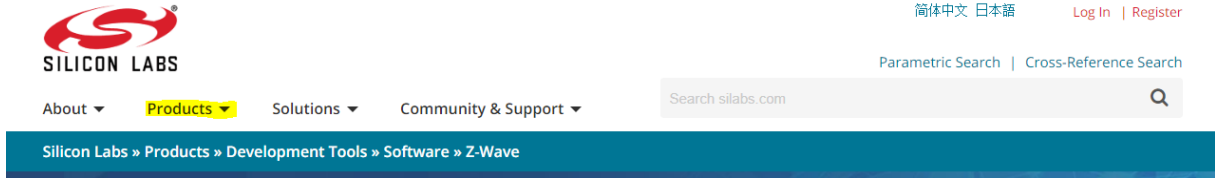
Prerequisites.....	1
WARNING!	1
Access to software.....	2
How to update your device:	5

WARNING!

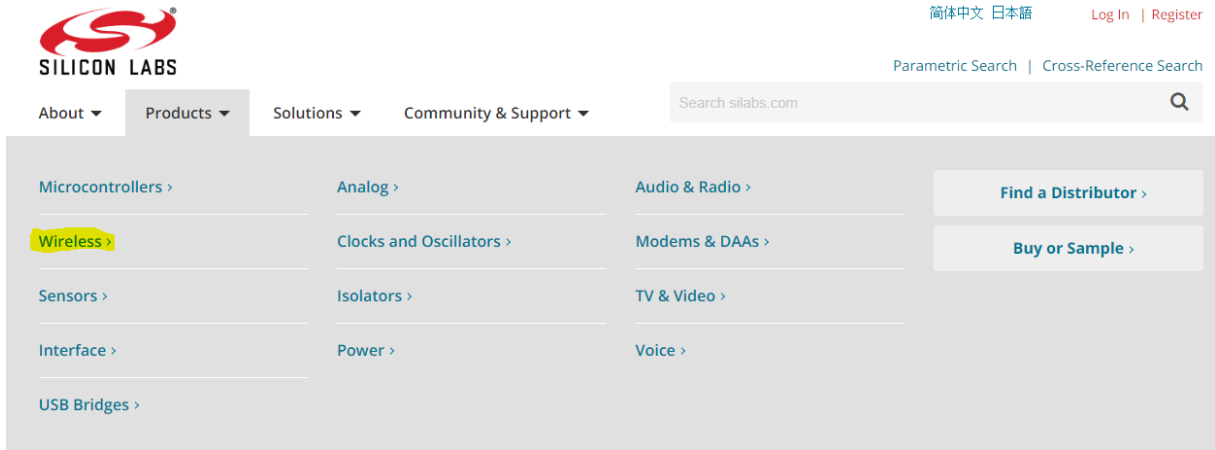
Updating the Z-Wave Module is at own risk and without any warranties. ID Lock is not responsible for any faults that may occur during the update process.

Access to software

To get access to SiLabs Z-Wave PC Controller software enter SiLabs webpage on silabs.com and press on the Products menu (marked yellow):











Press then on Wireless > (marked yellow):



Scroll down and press “Learn more >” below the Z-Wave section (marked yellow):

Choose the Wireless Protocol That Fits Your Needs:

 Bluetooth Get up and running with the latest Bluetooth technologies, including Bluetooth 5 and Bluetooth mesh. Learn More >	 Zigbee Build robust, scalable Zigbee mesh products with SoCs, SIP modules, and advanced software. Learn More >	 Thread Speed development with our Thread mesh networking modules, SoCs, and proven network analysis tools. Learn More >	 Proprietary Add high-performance, low-power wireless to your products ranging from 142 MHz to 2.4 GHz. Learn More >
 Wi-Fi Start prototyping your application with Wi-Fi modules designed specifically for the IoT. Learn More >	 Z-Wave Easily create smart home products and services that work together with hundreds of brands. Learn More >	 Multi Take advantage of single-chip solutions for Bluetooth, Zigbee, Thread, and sub-GHz wireless. Learn More >	 Xpress Drop-in, connect, and prototype your Bluetooth 5 and Wi-Fi applications with zero programming. Learn More >

Scroll down and press “Read more >” below the Z-Wave Software section (marked yellow):

GETTING STARTED Getting Started with Z-Wave Get Started >	LEARNING CENTER Z-Wave Training and Resources Learn More >	CERTIFICATION Z-Wave Certification Program Learn More >
SPECIFICATIONS Z-Wave Specifications Read More >	SOFTWARE Z-Wave Software Read More >	APPLICATION NOTES Z-Wave Application Notes Read More >

**Scroll down to PC Controller and press the button “Download Z-Wave PC Controller >”
(Marked yellow in picture below):**

PC Controller 5.34

The Z-Wave PC Controller is an application for communicating with Z-Wave nodes like switches and sensors through a Static Controller (SC). This application requires a Z-Wave module programmed with Static Controller Serial API application and connected to the appropriate serial or USB port.

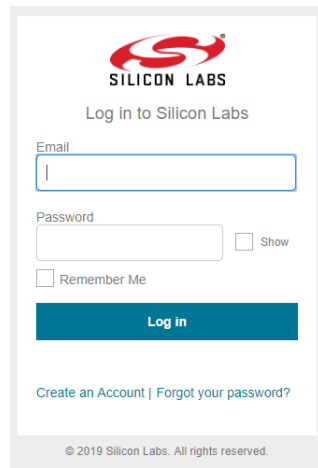
[Download Z-Wave PC Controller 5.34 >](#)

[Z-Wave PC Based Controller v5 User Guide >](#)

[Z-Wave DLL v5 User Guide >](#)

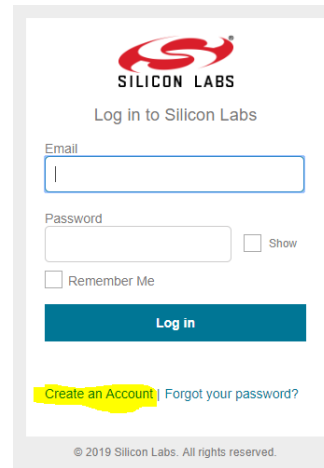
[Software Release Notes >](#)

Enter your credentials and Login (A) or Press below Login button to create an account:



Screenshot A shows the Silicon Labs login page. The page has the Silicon Labs logo at the top, followed by the text "Log in to Silicon Labs". Below this are input fields for "Email" and "Password", a "Show" checkbox, and a "Remember Me" checkbox. A blue "Log in" button is positioned below the password field. At the bottom of the form, the text "Create an Account | Forgot your password?" is displayed, with "Create an Account" highlighted in yellow. The footer contains the copyright notice "© 2019 Silicon Labs. All rights reserved."

A



Screenshot B shows the Silicon Labs login page, identical to screenshot A. The "Create an Account" link is highlighted in yellow.

B

After download, install the software.

NOTE!

SiLabs Z-Wave PC Controller is a developer tool without any warranties. Please be advised of SiLabs requirements for downloading the file and how to use the software.

Embedded SDK must be downloaded prior to PC Controller.

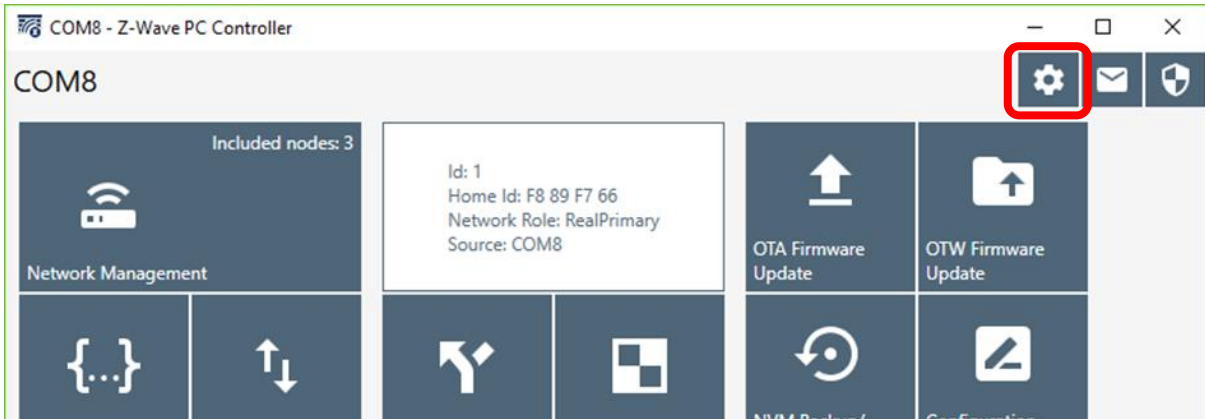
How to update your device:

Exclude the door lock from your controller (follow the instructions from your controller supplier)

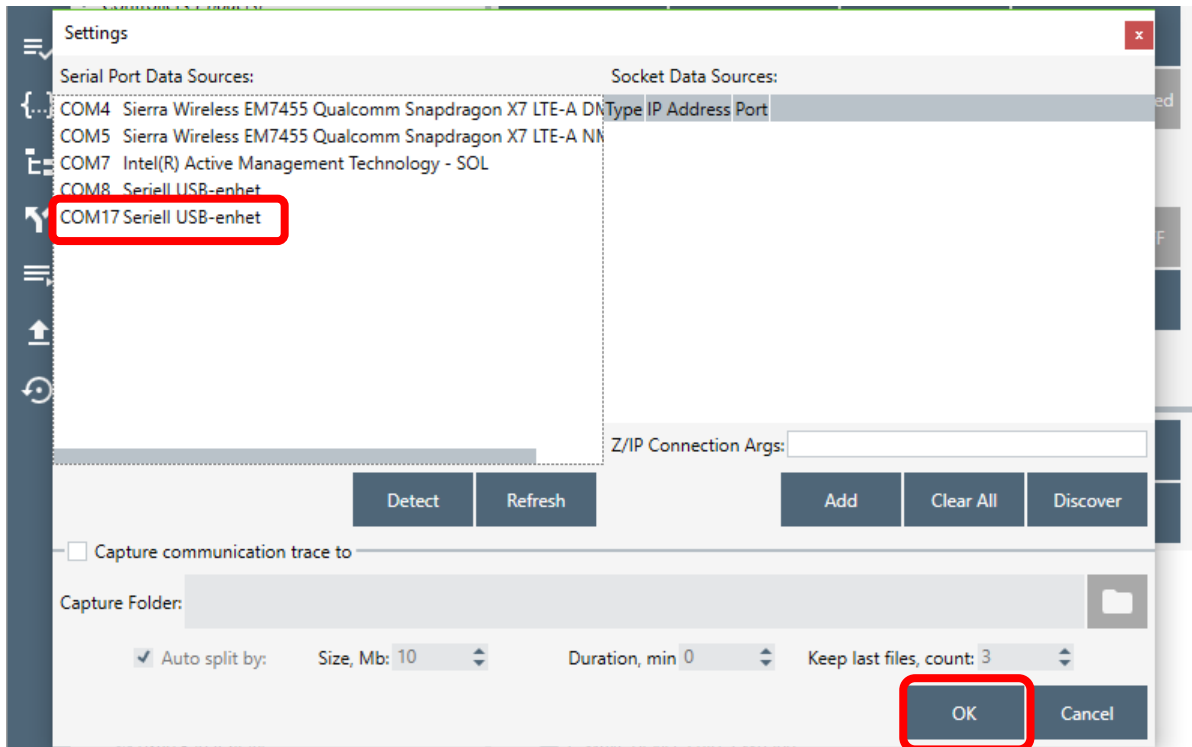
Insert the Z-Wave UZB controller to a USB port on your computer

Start SiLabs PC Controller 5

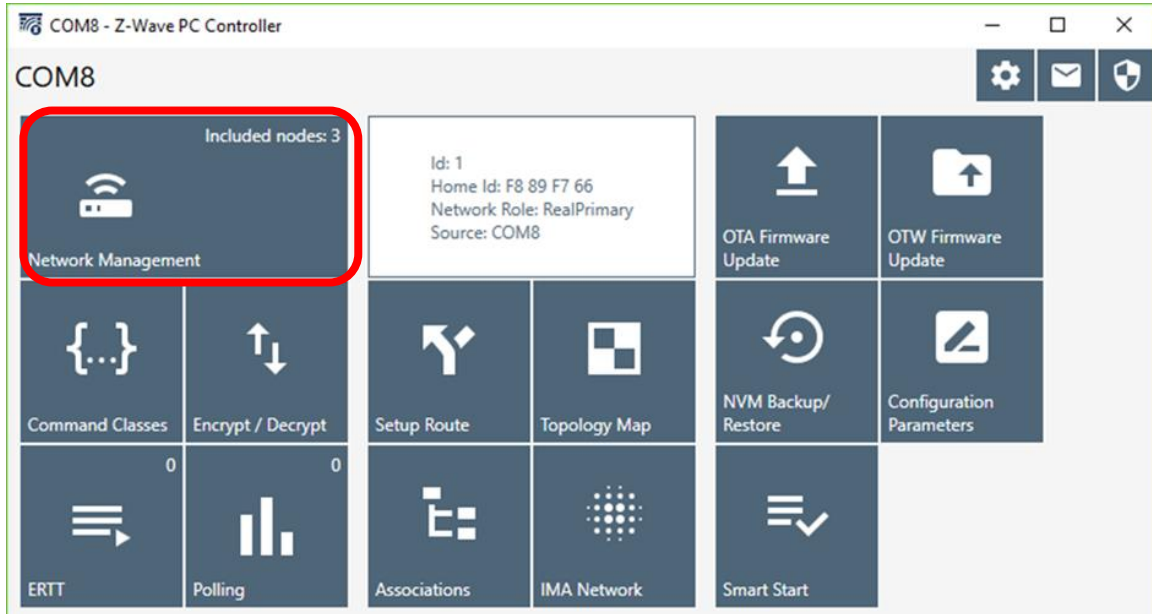
Click on Settings (the gear icon in the top right corner)



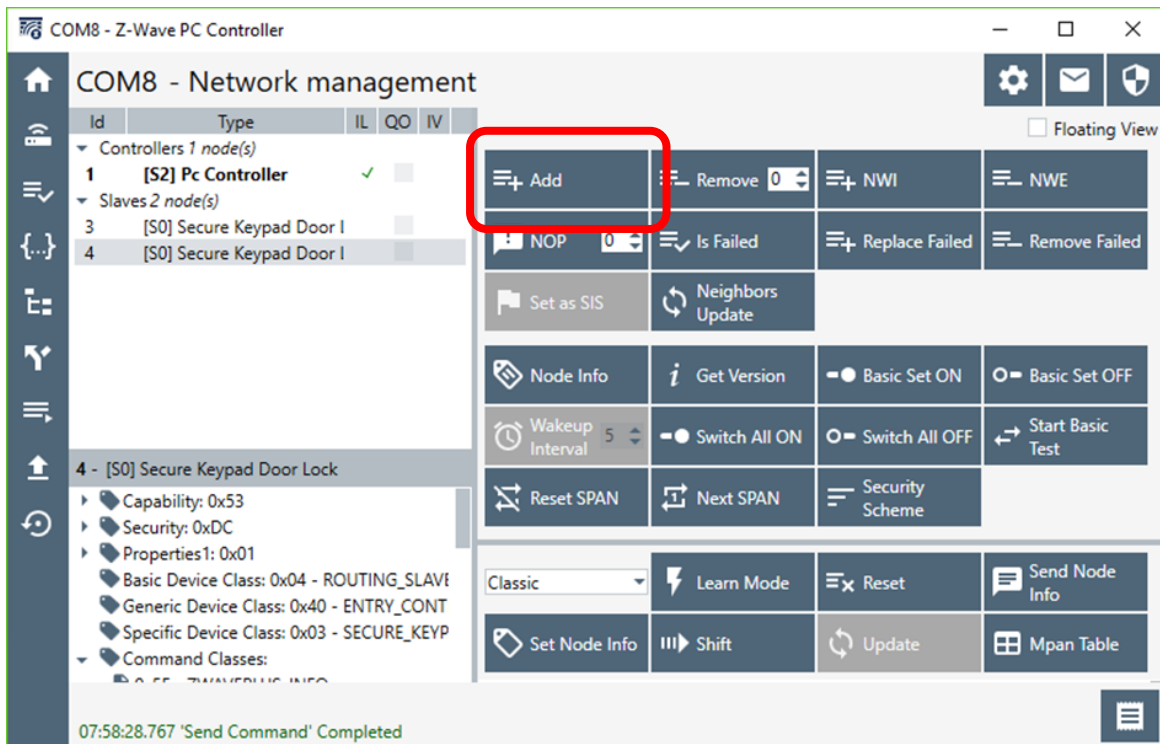
Check the recognized UZB controller on the list in the dialog window and click **OK**. If there's nothing there, click **DETECT** and then **REFRESH**. If the UZB controller still doesn't show up, you may need to install special drivers so please contact the manufacturer of the device for instructions.



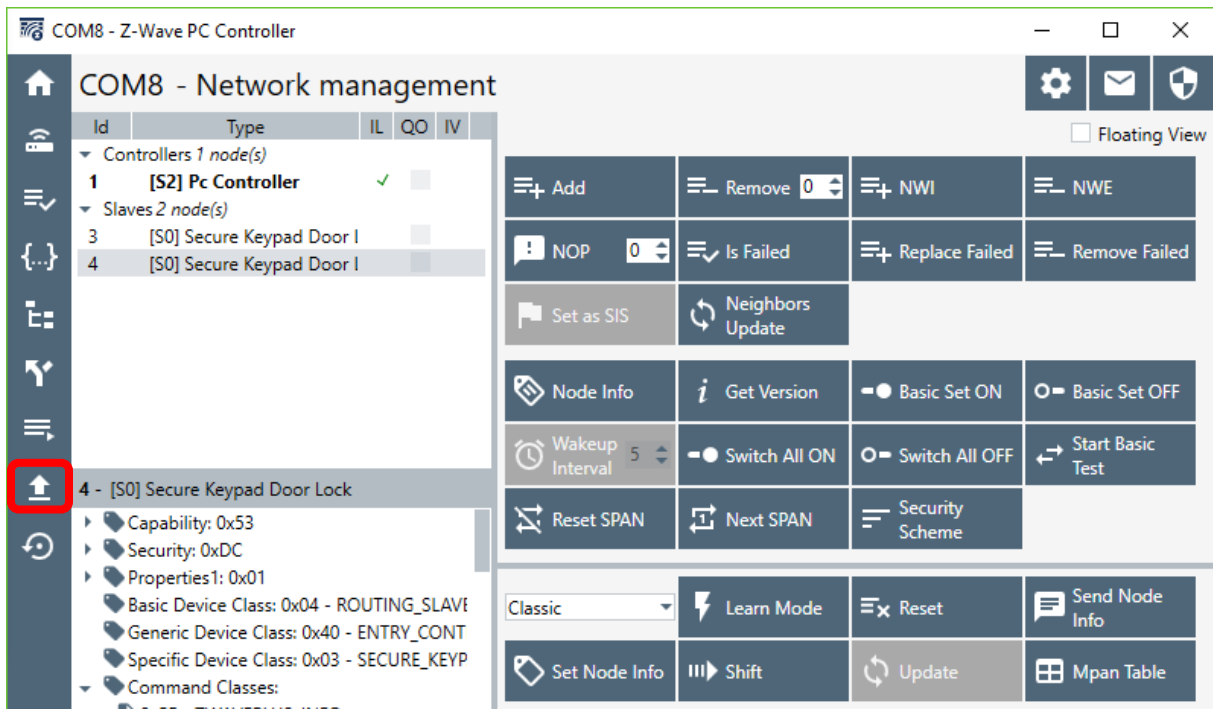
Click Network Management



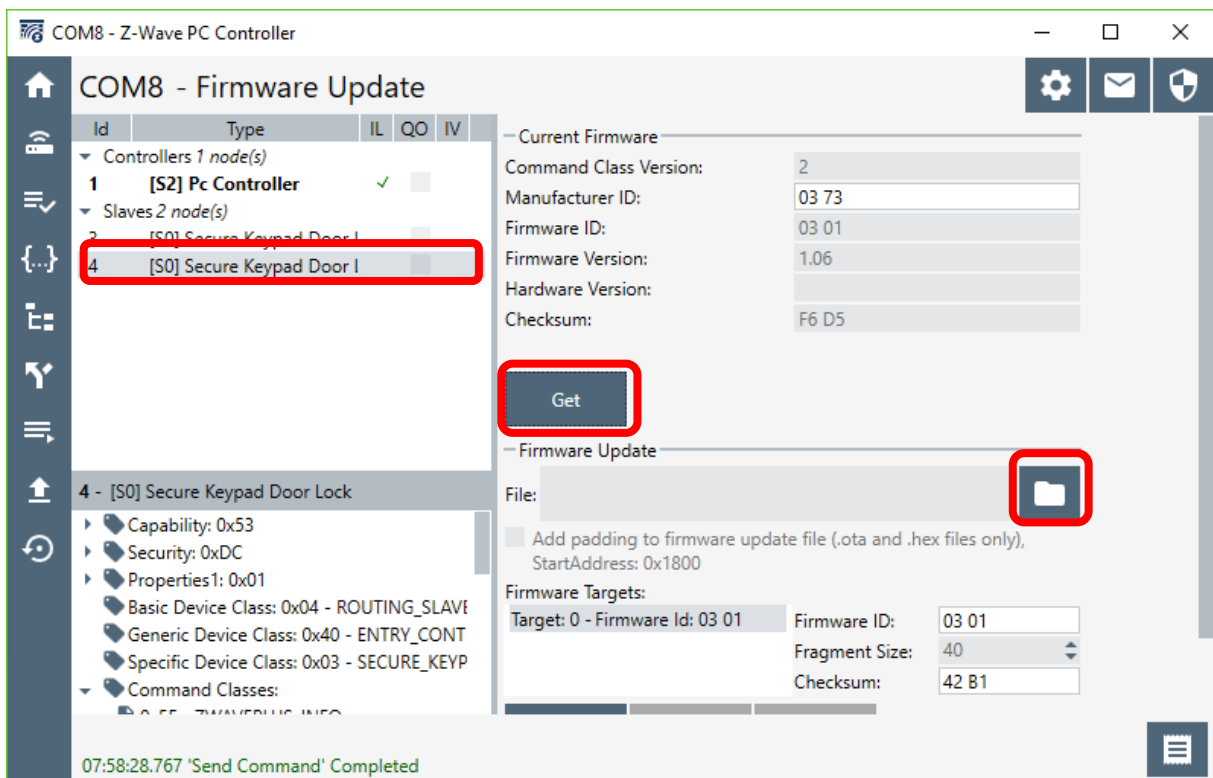
Click ADD to enroll the USB controller in inclusion mode, then activate inclusion mode on your door lock (please refer to the Z-Wave manual for how to do this)



After a successful inclusion, click **ARROW UP ICON** to get to the update screen.

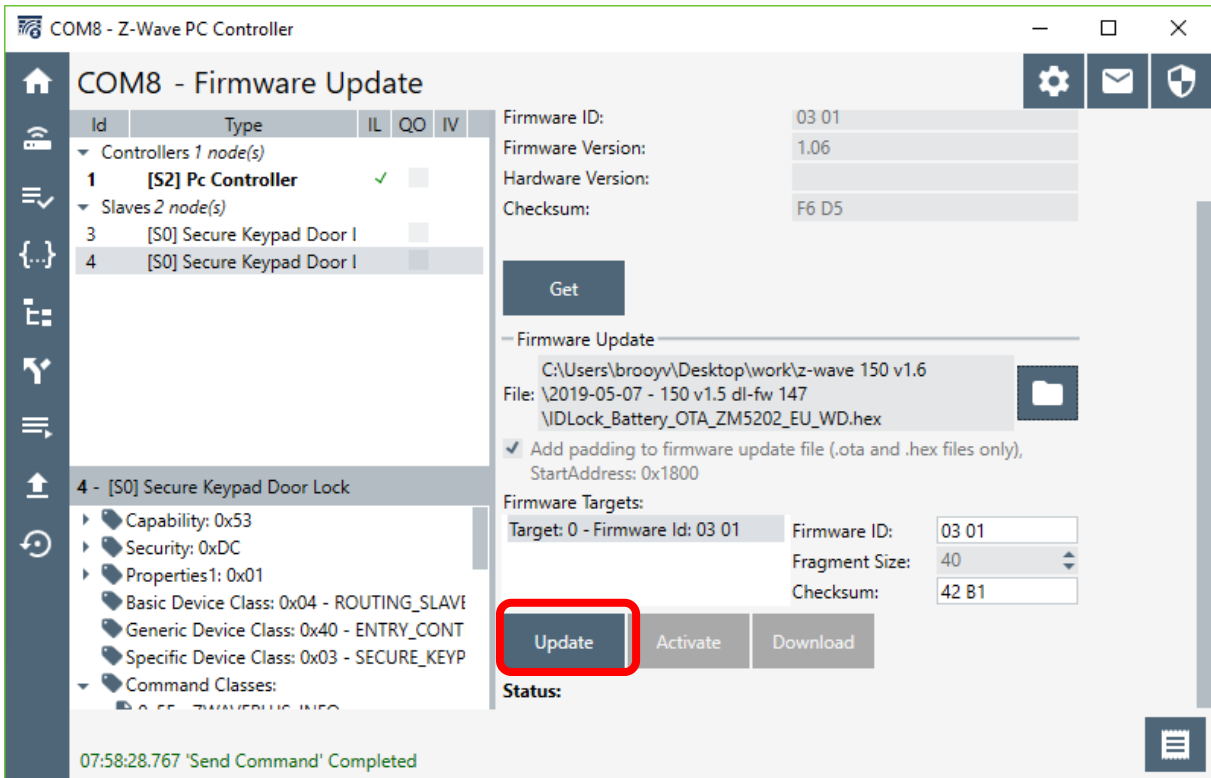


Check the added **[S0] Secure Keypad Door Lock** and click the **GET** button



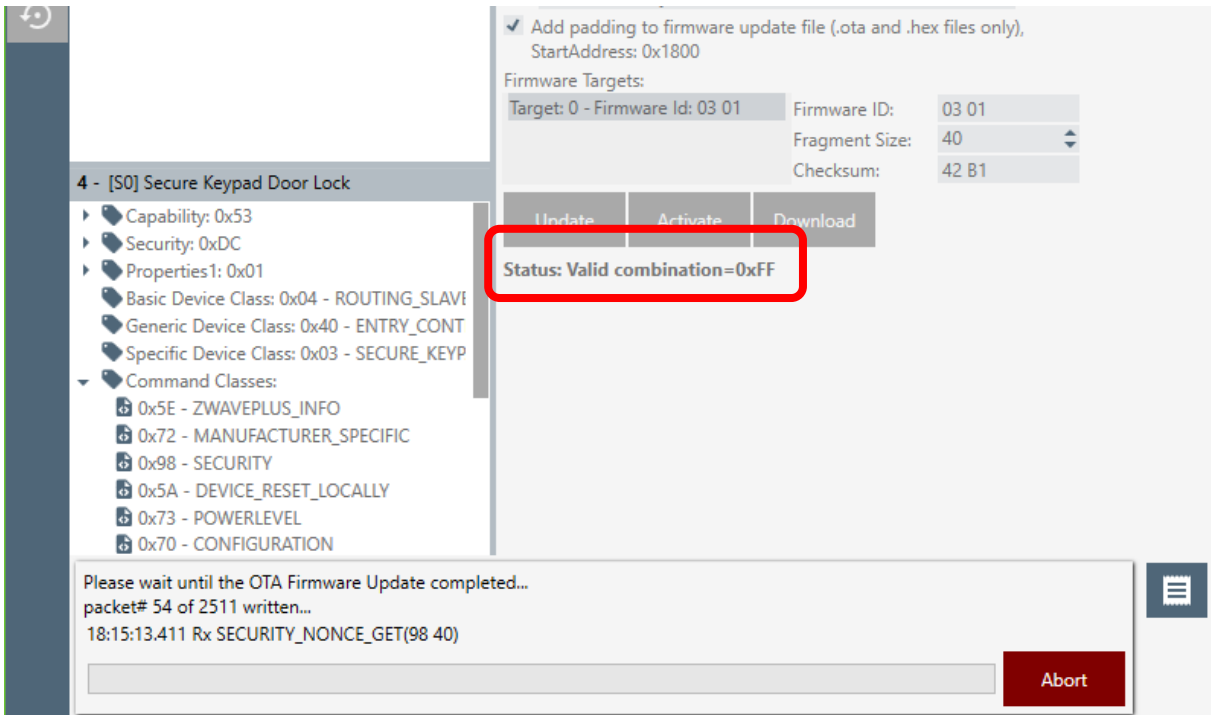
Click on the **FOLDER** button to select the downloaded hex-file.

Click on the **UPDATE** button to start update.

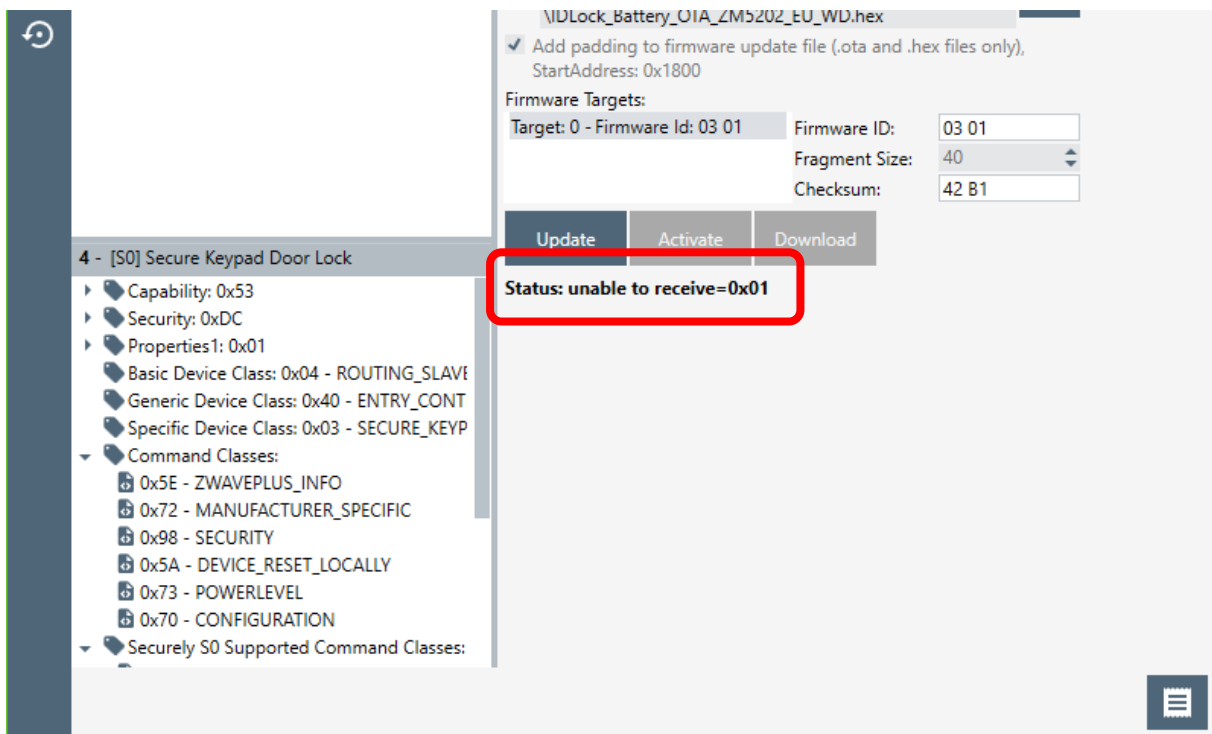


An update process may take a while, up to 15 minutes is quite normal.

Verify the process status. If correct, the status should always show: **Valid combination=0xFF**



If the update process fails or is aborted the status shows: **Unable to receive=0x01**



NOTE!

After an update of the Z-Wave module it *may* be required to perform a Z-Wave local reset and a factory reset of your door lock before including it in a new Z-Wave network.