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Z-SIGN

Firmware Update Guide

Software Installation Procedure

- 1. A Windows[®] based computer is required to install the Z-SIGN software. The Windows 10 operating system is suggested. **Note**: The operating system needs to be Windows 7 or newer, 64 bit.
- 2. A standard USB to Micro USB cable is required.
- 3. Download the "DfuSe_Demo_V3.0.4_Setup.zip" software from the AtlasIED web site. **Note**: This file is an .exe application file and will need to be extracted to install.
- 4. Download the Z-SIGN firmware file (extension "dfu") file to a folder on the PC or to a USB drive.
- 5. Click on the DfuSe_Demo_V3.0.4_Setup.exe to start the installation process.

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6. Click Next.



7. Enter Information and Click Next.

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8. Click Install and approve security shield popup.

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9. Select Launch the Program and then Click Finish.



10. The DfuSe v3.04 software may launch / open in a Notepad readme application as shown in the picture below. This will depend on the version of Windows[®] being used. Click Close on readme-Notepad. Continue onto to step 7 of the Firmware Update Procedure.

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<pre>* Author : MCD Application Team * Version : V3.0.4 * Date : 20-October-2014 * Description : read me file for DfuSe Demonstrator * THE PRESENT SOFTWARE WHICH IS FOR GUIDANCE ONLY AIMS AT PROVIDING CUSTOMERS * WITH CODING INFORMATION REGARDING THEIR PRODUCTS IN ORDER FOR THEM TO SAVE TIME. * AS A RESULT, STMICROELECTRONICS SHALL NOT BE HELD LIABLE FOR ANY DIRECT, * INDIRECT OR CONSEQUENTIAL DAVAGES WITH RESPECT TO ANY CLAIMS ARISING FROM THE * CONTENT OF SUCH SOFTWARE AND/OR THE USE MADE BY CUSTOMERS OF THE CODING * INFORMATION CONTAINED HEREIN IN CONNECTION WITH THEIR PRODUCTS. ************************************</pre>	Available DFU Devices Application Mode: Uendor ID: Uendor ID: Can Detach Enter DFU mode/HID detach Leave DFU mode Actions Select Target(s): Target Id Name Available Sectors (Double Click for more)	
Last version ***********		
- V3.0.4 - 20-October-2014	Upload Action Upgrade or Verify Action File: File: Targets in file:	
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11. Proceed to FW Upgrade procedure

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Firmware Upgrade Procedure

- 1. Open the software application DfuSe Demo V3.0.4.
- 2. Insert the USB drive with FW version you want to upload if you saved it to a USB drive.
- 3. Click the "Choose" button to locate the FW file "Z_Sign_V1_XX.Dfu" upgrade file.

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4. Select the FW (with extension "dfu") and click "OPEN".

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5. The File is loaded correctly in the software and is ready to connect the Z-SIGN.







- 6. Connect the Z-SIGN with the PC Read all steps before starting.
 - A. Remove Z-SIGN batteries. (Removing one of the four batteries also works)
 - B. Connect USB cable to PC
 - C. While holding down the A (#1) and B (#2) buttons on the side of the Z-SIGN, connect the Micro USB cable to the Z-SIGN. (This powers up the Z-SIGN while A & B are pressed)
 - D. Press and hold the Activation (#3) button on the Z-SIGN.
 - E. When done correctly, the green bar that says "File Correctly Loaded" will go blank. A tone may play and the "STM Device in DFU Mode" can be detected in the DfuSe Demo GUI to indicate the successful entry into the Upgrade Ready mode.
 - F. Once this bar clears, release buttons A & B but continue to hold the Activation button (#3) throughout the upgrade process.
 - G. Select the "Verify after download" check box.
 - H. While still holding the Activation button (#3), select the "Upgrade" button.
 - J. Click "Yes" on the pop-up window.

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7. The upgrade is complete.

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8. Release the Activation button (#3) and unplug the Micro USB cable. Re-install the batteries. Pay attention to the battery polarity.

9. Follow the Z2 / Z4 Installation Guide and pair the Z-SIGN to the base unit.