

ZSP FW Upgrade Information

FW Version Description

Version	Description
1.0	Original release
2.0	<p>Added support for programming Z8 Encore! devices.</p> <p>Please refer to the Zilog Standalone Programmer (ZSP) User Manual for information on how to connect an Encore target to the ZSP. The ZSP User Manual is accessible from the Zilog Standalone Programmer Configuration Software User Manual which can be accessed by pressing F1 while the ZSP GUI is active</p>
2.1	<ul style="list-style-type: none"> ▪ New features added in v2.1.0 of the ZSP Configuration Software requires a ZSP firmware upgrade to version v2.1 (or later). ▪ Added password-protection (PW) of select ZSP operations. ▪ New security feature to limit the number of target devices that can be programmed using the ZSP via a configurable program counter (PC). ▪ Added new Advanced view to configure PW and PC settings.
2.2	<ul style="list-style-type: none"> ▪ Improved reliability of programming 8-pin Encore! devices with a multiplexed GPIO/ DBG pin. ▪ ZSP now asserts nReset between programming operations to ensure an externally powered device remains in reset prior to programming. ▪ Corrected bug in ZSP target checksum routine that could cause the FW to calculate a checksum over a 4GB range in instances when external Flash is corrupted or after upgrading from ZSP FW v1.0 to ZSP 2.x FW without first erasing the ZSP Configuration and Image area. This issue causes the ZSP to appear to hang after POR for ~17 hours during calculation of the bogus checksum. Clearing the ZSP Configuration and Image area with ZSP v2.1 FW or upgrading to ZSP v2.2 FW prevents the invalid checksum calculation from occurring.
2.3.0	<ul style="list-style-type: none"> ▪ Expanded the ZSP version number to include a revision number in the following format: major.minor.revision ▪ Added support for Z8F6482 Revision AD targets

DFU Boot Loader (BL) Version Description

Version	Description
1.0	Original Release
2.0	Rebuilt using ZDS v5.4.0.
2.1	Rebuilt using ZDS v5.4.0.

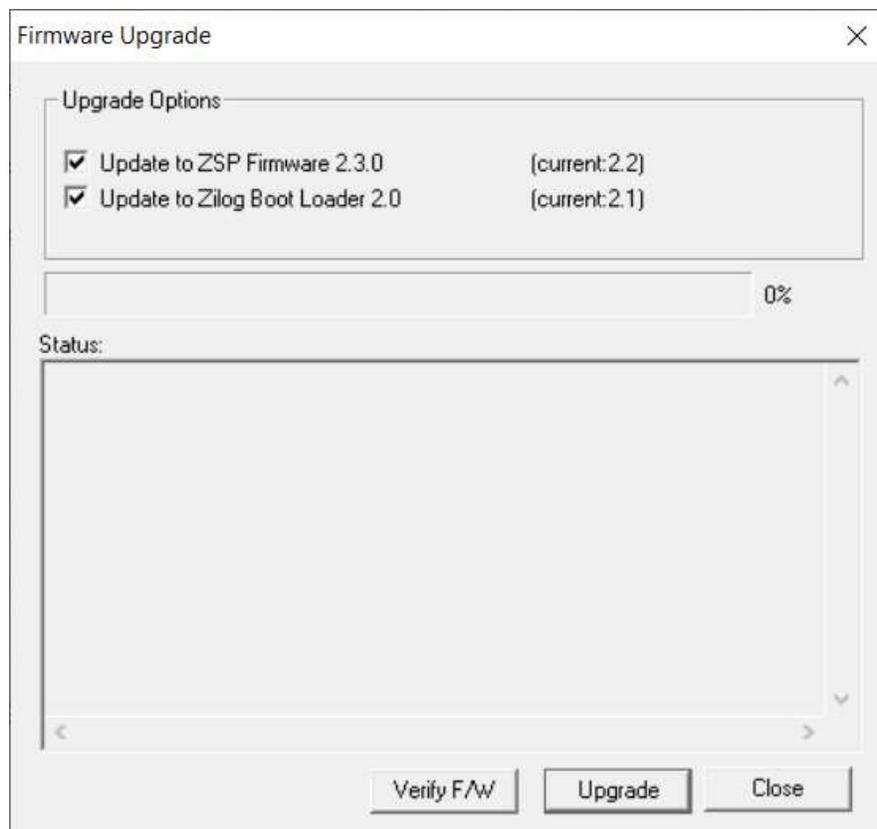
2.3	Replaced ZSP Bootloader 2.1 with Zilog Boot Loader 2.3 (built with ZDS v5.6.1) - Added support for Z8F6482 Revision AD targets
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Requirements/Compatibility

- Win 7(32/64), Win 8(32/64) or Win 10(32/64)
- Full Speed Root or Self Powered Hub

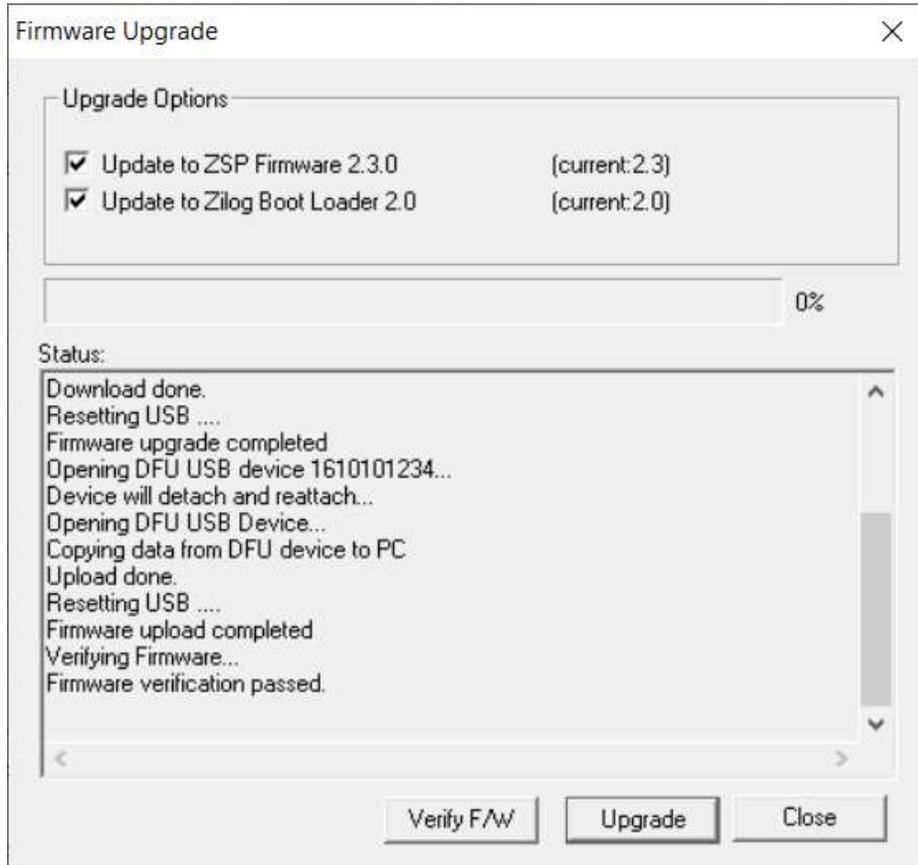
Upgrade Firmware Start Button

1. Click the Upgrade Firmware Start button to open the Firmware Upgrade dialog box as shown below:



2. In the Upgrade Options area, select whether ZSP firmware and/or Boot Loader module should be upgraded or verified by clicking the associated checkbox. By default, both the ZSP firmware and Boot loader checkboxes are selected (checked) indicating that both modules will be upgraded or verified.
3. Click the Upgrade button to update the selected firmware module(s). Status messages are displayed in the Status window in the lower portion of the Firmware Upgrade dialog box

during the upgrade or verify operation. Messages displayed during a successful ZSP FW upgrade will be similar with the messages shown in the following figure:



4. Click the Verify F/W button to verify whether the ZSP firmware and/ or Boot Loader firmware modules are the latest version. Messages displayed during a successful verification of the ZSP firmware will be similar with the messages shown in the following figure:



5. Click the Close button to exit the Firmware Upgrade dialog box.