



Release Notes for CrossCore[®] Utilities

1.8.0

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1 Introduction

CrossCore Utilities is a collection of utilities for use with Analog Devices processors, in conjunction with CrossCore Embedded Studio, IAR or Keil development tools.

CrossCore Utilities includes the following tools:

- `ccsfp` (CrossCore Serial Flash Programmer): GUI and command line utility for programming processor flash memory via UART serial connections.
- `elf2ldr`: Command line utility for converting ELF-format executables into the loader stream ("ldr") format suitable for booting ADSP-CM40x processors, or for dynamic loading with the `libldr` library available in the Board Support Packages of some processors.
- `crctool`: Command line utility for calculating and inserting cyclic redundancy check (CRC) values as required by the boot integrity checks of ADSP-CM41x, ADuCM302x and ADuCM4x50 processors.

A CrossCore Embedded Studio license is not required in order to use CrossCore Utilities.

2 News

- Release 1.8.0 adds ccspf support for the EV-21568-SOM , ADSP21835W-EV-SOM and ADSPSC835W-EV-SOM . See Docs/CrossCoreSerialFlashProgrammer_UsersGuide.pdf for details.

3 Installation

The install location can be chosen during installation.

- The default is `C:\Analog Devices\CrossCoreUtilities-Rel1.8.0`

The installation contains the following directories:

- `bin`: Contains the utility executables.
- `etc`: Collateral such as example files for CCSFP.
- `src`: Sources for the utilities, and the CCSFP flash programmer second stage kernels.
- `Docs`: Documentation.

4 Known Issues

4.1 EV-SC598-SOM Revision E not Supported

The ccsfp flash programmer and example for ADSP-SC598 do not work with the EV-SC598-SOM revision E due to changes to the SoftConfig programming need on that revision of the evaluation board.

4.2 Board Modifications Needed

See "EV-21568-SOM Board Modifications" and "ADSP21835W-EV-SOM and ADSPSC835W-EV-SOM Board Modification" in Docs/CrossCoreSerialFlashProgrammer_UsersGuide.pdf for details.

4.3 ccsfp ADSP-SC598 CRR OSPI Boot Example Fails

The ADSP-SC598 CRR OSPI example will fail to boot correctly after programming. There is no OSPI Flash device on the EV-SC598-SOM board so the flash device used in the example is the OSPI on the EV-SOMCRR-EZKIT board. Unfortunately this EV-SOMCRR-EZKIT OSPI Flash only works for second stage booting. A modification of resistors on both the SOM and Carrier Boards are needed to make it work otherwise.

5 Documentation

Each of the utilities is documented in its own PDF file in the Docs folder.

6 Technical support

You can reach Analog Devices software and tools technical support in the following ways:

- Post your questions in the [software and development tools support community](#) at [EngineerZone[®]](#).
- E-mail your questions about tools to processor.tools.support@analog.com.
- E-mail your questions about processors and processor applications to processor.support@analog.com.
- Submit your questions to technical support directly via <http://www.analog.com/support>.
- Contact your [Analog Devices sales office](#) or authorized distributor.