



Release Notes for CrossCore Embedded Studio 2.12.1

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2 Introduction

This document describes the changes for [CrossCore Embedded Studio \(CCES\) 2.12.1](#). You can find the release notes for older releases in the docs sub-directory of your CCES installation as well as an Installation Guide which will help you install this release.

For information on Linux please refer to the general Linux documentation [Linux for ADSP-SC5xx Processors \[Analog Devices Wiki\]](#). Other useful links for CrossCore and Linux Development are:

- <http://www.analog.com/cces-quickstart>
- [EngineerZone > Processors and DSP > Software and Development Tools > CrossCore Embedded Studio and Add-ins](#)
- [EngineerZone > Processors and DSP > Software and Development Tools > CrossCore Embedded Studio and Add-ins > tags > CCES](#)
- [EngineerZone > Processors and DSP > Software and Development Tools > CrossCore Embedded Studio and Add-ins > tags > CCES 2.12.1](#)
- [How to debug SHARC cores in CCES while running Linux](#)
- [Configuring System Memory for the ADSP-SC5xx When Using Linux and SHARC Applications](#)

 Note that CCES 2.12.1 does not support the ADSP-21568 family of parts. We recommend using CCES 3.0.0 or newer releases for SHARC+ based parts.

 Note that CCES 2.12.1 does not support SHARC-FX parts, use CCES 3.0.0 or newer instead.

3 New and Noteworthy

3.1 ICE-1500 Support

Support for a new Emulator ICE-1500 target is enabled for ADSP-215xx, ADSP-SC5xx and ADSP-BF70x (except BF706) parts in CCES 2.12.1.

3.2 Fix for Cortex-A Debug Problems

The call stack view and source level debugging when debugging the Cortex-A5 core for ADSP-SC5xx using the CrossCore debugger and CCES 2.11.1 and CCES 2.12.0 may not work correctly. This problem is fixed in CCES 2.12.1.

4 Changes That Might Impact Backwards Compatibility

4.1 SHARC+ Core Programming Reference Removed from CCES Help

The SHARC+ Core Programming Reference previous found in CCES help in section "Processor Documentation" has been removed as it was outdated. An updated pdf of this manual can be downloaded from analog.com.

5 Known Issues

5.1 Debugging with OpenOCD and J-Link on Windows

In order to use a J-Link with an OpenOCD Debug Configuration the stock J-Link driver must be replaced with the WinUSB driver.

This is explained further on the [SEGGER Wiki](#) including some of the limitations of using J-Link with OpenOCD.

5.2 Updating launch configuration shown after terminating Group Launch Wizard

After successfully using the group launch wizard, re-select the configuration in configuration tree before making any updates. If not done, changes will not be applied.

5.3 Creating heterogeneous launch configuration with inappropriate item selected

Before launching the Debug/Run Configurations dialog, be sure to select the correct project folder or binary file. Not doing so may cause the group launch wizard to not initialize or save the new configuration as expected.

5.4 Help View on Ubuntu 22.04

Using CCES on Ubuntu 22.04 CCES search help links and the help contents may not open as they should in the default browser on some machines. A possible workaround is to change the default "external browser" selection setting under Window > Preferences > Help to use a specific browser such as Chrome.