



**μC/FS™ File System for CrossCore®
Embedded Studio version 2.4.0 Release
Notes**

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1 μ C/FS™ File System for CrossCore® Embedded Studio version 2.4.0 Release Notes

1.1 Introduction

This document contains the release notes for μ C/FS™ File System for CrossCore® Embedded Studio version 2.4.0. It describes the release in detail and provides latest information that supplements the main documentation.

Users of previous releases should check the "Version Compatibility" section for pertinent instructions on modifying existing applications for this new release.

1.2 Support and Assistance

There are several options for contacting support:

- Submit your questions online at <http://www.analog.com/support>
- E-mail your Processor and DSP software and development tools questions from within CrossCore Embedded Studio.

Go to "Help->E-mail Support...". This will create a new e-mail addressed to processor.tools.support@analog.com, and will automatically attach your CrossCore Embedded Studio version information (ProductInfo.html).

- E-mail your Processors and DSP applications and processor questions to:
 - processor.support@analog.com OR
 - processor.china@analog.com (Greater China support)
- Post your questions in the Processors and DSP online technical support community in Engineer Zone at <http://ez.analog.com/community/dsp>

1.3 Update Highlights

The focus of μ C/FS™ File System for CCES version 2.4.0 is to support the release of the ADSP-SC57x processor family which includes support for the ARM Cortex-A5 core. μ C/FS™ File System for CCES does not support the SHARC core.

1.4 New supported Processors

μ C/FS™ File System for CrossCore® Embedded Studio 2.4.0 supports all the processors supported by μ C/FS™ 2.0.0. The newly supported processors are:

- ADSP-SC570, ADSP-SC571 , ADSP-SC572, ADSP-SC573
 - Devices supported: RAM Disk, SD Card, USB Mass Storage

1.5 Known Issues

μ C/FS™ File System for CrossCore® Embedded Studio no longer supports operation with the μ C/OS ROM image on ADSP-BF70x processors.

To use μ C/FS with the μ C/OS please use the μ C/OS product installed in RAM.

The example "SD Card example using μ C/FS (ADSP-SC573)" will fail to run properly on ADSP-SC573 EZ-Kits with a BOM revision of 1.2 or less. (The BOM revision can be found on the underside of the board.)

2 μ C/FS™ File System for CrossCore® Embedded Studio version 2.0.0 Release Notes

2.1 Introduction

This document contains the release notes for μ C/FS™ File System for CrossCore® Embedded Studio version 2.0.0. It describes the release in detail and provides latest information that supplements the main documentation.

Users of previous releases should check the "Version Compatibility" section for pertinent instructions on modifying existing applications for this new release.

2.2 Support and Assistance

There are several options for contacting support:

- Submit your questions online at <http://www.analog.com/support>
- E-mail your Processor and DSP software and development tools questions from within CrossCore Embedded Studio.

Go to "Help->E-mail Support...". This will create a new e-mail addressed to processor.tools.support@analog.com, and will automatically attach your CrossCore Embedded Studio version information (ProductInfo.html).

- E-mail your Processors and DSP applications and processor questions to:
 - processor.support@analog.com OR
 - processor.china@analog.com (Greater China support)
- Post your questions in the Processors and DSP online technical support community in Engineer Zone at <http://ez.analog.com/community/dsp>

2.3 Update Highlights

The focus of μ C/FS™ File System for CCES version 2.0.0 is to support the release of the ADSP-SC58x processor family which includes support for the ARM Cortex-A5 core. μ C/FS™ File System for CCES does not support the SHARC core.

The version of the Micrium's file system included with μ C/FS™ File System for CCES version 2.0.0 has been upgraded to v4.07.00.

Micrium's file system documentation has migrated to their website at address <http://doc.micrium.com> instead of being included with μ C/FS™ File System for CrossCore® Embedded Studio. Any documentation specific to Analog Devices processors can still be found within this product.

2.4 New supported Processors

μ C/FS™ File System for CrossCore® Embedded Studio 2.0.0 supports all the processors supported by μ C/FS™ 1.1.0. The newly supported processors are:

- ADSP-SC582, ADSP-SC584 , ADSP-SC587, ADSP-SC589
 - Devices supported: RAM Disk, SD Card, USB Mass Storage

2.5 Micrium software versions

μ C/FS™ File System for CrossCore® Embedded Studio version 2.0.0 is based on Micrium's μ C/FS™ File System version 4.07.00

There are several CrossCore Embedded Studio add-ins based on Micrium's products which share common add-ins. To ensure that the same version of these add-ins is used by all the add-ins that require them, these add-ins are installed in a common location which is distinct from the μ C/OS-FS install folder. These common add-ins are

- μ C/CPU which is installed in %COMMONPROGRAMFILES%\Analog Devices\uC-CPU v2.0.0. This installation includes μ C/CPU version 1.30.01.
- μ C/LIB which is installed in %COMMONPROGRAMFILES%\Analog Devices\uC-LIB v2.0.0. This installation includes μ C/LIB version 1.38.00. This is the minimum version of μ C/LIB required to build μ C/FS 4.07.00. Version 1.38.00 of μ C/LIB has deprecated some APIs that were used by previous versions of μ C/FS, most notably `Mem_PoolBlkGetUsedAtIx()` and `Mem_PoolBlkIxGet()`. Updating to μ C/FS V4.07.00 is required if updating other Micrium products that require μ C/LIB V1.38.00.
- μ C/CLK which is installed in %COMMONPROGRAMFILES%\Analog Devices\uC-CLK v2.0.0. This installation includes μ C/CLK version 3.09.03

2.6 Version Compatibility

μ C/FS™ File System requires CrossCore® Embedded Studio version 2.0.0 or later for all processors. Once a project is upgraded to work with CCES version 2.0.0 its format will be changed and may no longer build if it is opened with older versions of the toolchain.

Further, the examples released in this product have been created with CrossCore® Embedded Studio version 2.0.0 which means that trying to build the examples with previous versions of CCES will result in build problems.

μC/FS™ File System version 2.0.0 requires requires μC/LIB version 2.0.0 or later. This is the version of μC/LIB included with this product.

2.7 μC/FS™ File System for CrossCore® Embedded Studio Software Anomalies

This section enumerates the most significant anomalies which relate to μC/FS™ File System for CrossCore® Embedded Studio. For a comprehensive list of all the public software anomalies visit <http://www.analog.com/SoftwareAnomalies>

2.8 Anomalies fixed in version 2.0.0

2.8.1 Known issues with μC/FS™ File System for CrossCore® Embedded Studio 2.0.0

These are the currently known problems which affect μC/FS™ File System for CrossCore® Embedded Studio.