CodeWarrior Development Studio for StarCore 3900FP DSP v10.8.3 SP3 Release Notes

Release Description

ServicePack3 for 10.8.3 release of CodeWarrior Development Studio for StarCore sc3900FP DSP introduces Maple Firmware A28_3 which fixes possible inconherency in Maple internal fabric, SDOS R05.15.03, and build tools and software analysis fixes.

Contents

Important Notes

This Service Pack must be installed on top of CodeWarrior Development Studio for StarCore sc3900FP DSP v10.8.3.

Release Content

1.1 MAPLE Firmware

Maple Firmware A28_3 adds a fix to overcome possible incoherency in Maple internal fabric.

1.2 SmartDSP OS

SmartDSP OS R05.15.03 includes the microcode from Maple Firmware Patch A28_3.

1.3 Build Tools

Build tools version 24.7.0.137 includes fixes for customer issues mentioned in the last chapter of the document. Compile time performance reports are similar to 24.7.0.132 build.

License, copyright

The license key was updated in CodeWarrior for StarCore 3900FP DSP v10.8.0 release.

System requirements

Recommended configurations:

- 3GHz Intel® Pentium® P4 processor or better. Dual-core processor preferable.
- Microsoft® Windows Vista, Windows 7, Windows Server 2012 R2
- 2GB RAM (Experience on machines with 1GB RAM is significantly reduced)
- 2.3 GB free disk space

Note: 500MB of free space is required on the OS drive, regardless of the free space available on the destination drive.

Getting Started

The Getting Started Guide for StarCore DSPs.pdf provides instructions on how to install the product, configure B4 QDS boards, and how to work with projects.

To install the CodeWarrior software, perform the following steps:
1. Run the installer - the install wizard appears.
2. Follow the wizard's on-screen instructions to install the CodeWarrior software.
3. When installation completes, the **InstallShield Wizard Completed** page appears.
4. Check the Display Documentation checkbox.

5. Click **Finish.**

The SC folder contains several quick start guides for the product:

- Eclipse Quick Reference Card.pdf
- Ethernet TAP Quick Start.pdf
- Getting Started Guide for StarCore DSPs.pdf
- Quick Start for StarCore DSPs.pdf
- Service Pack Updater Quick Start.pdf

Known Issues and Limitations

This list includes the same issues as described for CodeWarrior for StarCore v10.8.0 release.

Contact Information

User Forum and FAQ

After looking through these release notes, and the documentation that comes with the installation of CodeWarrior, the next best place to look for answers to your questions is the online user forums located at

http://forums.freescale.com

Please check:

- **CodeWarrior for StarCore DSPs** forum for issues related to CodeWarrior development tools. The Frequently Asked Questions about CodeWarrior for StarCore DSP are posted here.
- **StarCore DSPs** forum for issues related to the silicon and hardware platforms.

The forums provide a great way to learn by seeing the questions and answers posted by other users. Of course, you can post your own questions and responses as well.

Contacting Freescale

Finally, if you still have questions not addressed in the release notes, or wants to provide feedback, please use the Freescale online support web page. To use this page, follow these steps:

1. In a web browser, go to http://www.freescale.com/TechSupport.

   Freescale's **Technical Support** web page appears.

2. On this page, click the Create service request online link.

   The **New Service Request — Category/Topic** page appears.

3. From the Category dropdown menu, select Technical Request.

4. From the Topic dropdown menu, select CodeWarrior (or other appropriate topic).

5. Click **Next**.

   The **New Service Request — SR Details** page appears.

6. In this page, enter the requested information.

   At a minimum, enter information in each field marked by an *.

7. Click **Submit**.

   If you are already logged in, the **Service Request Confirmation** page appears. Go to the last step.

   If you are not already logged in, the **Log-in** page appears.

8. If you are a registered member, login with your user name and password.

   The **Service Request Confirmation** page appears. Go to the last step.

9. If you have not yet registered,
   a. If you want to become registered member, click **Register Now** and complete the registration process.

      The **Service Request Confirmation** page appears.

   b. If you do not want to register, supply your contact information in the **I do not want to register - Provide contact information** form and click **Submit**.

      The **Service Request Confirmation** page appears.

10. Click **Done**.

Your service request is submitted.

Release Quality

There is the list of fixes included in this service pack:

Build Tools	
CMPSC-421	Issues with Uninit_Ad_Zeroed_Globals_To_Bss=TRUE
CMPSC-374	ICE in frontend while executing in file '..\..\..\FrontEnd\C\CTemplateTools.c' line: 3093
CMPSC-437	Compile crash on 24.06.01
CMPSC-420	while() loop counter is calculated wrongly
CMPSC-174	Function name is null for some assembly inline functions
Software Analysis	
ENGR00350621	CW crashes when opening any profiling viewer at decoding stage
ENGR00350317	Using a remote license server for stepping is very slow as SA is verifying licenses more often than it should

How to Reach Us:

Home Page:
www.freescale.com

Web Support:
www.freescale.com/support