



# CodeWarrior™ Development Studio for ColdFire® Architectures V7.1

## Quick Start

### SYSTEM REQUIREMENTS

<b>Hardware</b>	1 GHz Pentium® compatible processor, 512 MB RAM (1 GB recommended), CD/DVD-ROM drive, USB port
<b>Operating System</b>	Microsoft® Windows® 2000, Windows® XP, or Windows Vista™ Operating Systems
<b>Disk Space</b>	2 GB total, 400 MB on Windows system disk

This Quick Start explains how to install the CodeWarrior Development Studio for ColdFire Architectures V7.1, activate licenses for Basic, Standard and Professional CodeWarrior Suites, then create, build, and run a sample project using the ColdFire simulator.

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**NOTE** In this document, numbered steps are for advanced users. Lettered steps are expanded descriptions.

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## Section A: Installing Software

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**NOTE** The Special Edition License is automatically installed with your product. This license allows you to develop projects with up to 128K of C code for the ColdFire V2, V3, and V4.

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### 1. Install CodeWarrior software

- a. Insert **CodeWarrior Development Studio for ColdFire Architectures CD** or the DVD included with your kit into CD/DVD-ROM drive — welcome screen appears (if Auto Install is disabled, run program `Setup.exe` in Setup directory of CD)

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...e CodeWarrior software may be part of a DVD included with your kit. In this case, click **Install CodeWarrior Development Studio for ColdFire Architectures**, follow the on-screen instructions, and skip to step "Check for updates".

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- b. Click **Launch the Installer** — install wizard opens
- c. Click **Next** button — **License Agreement** screen appears
- d. Select **I accept the terms in the license agreement** option button
- e. Continue clicking **Next** buttons to step through wizard screens, accepting default settings — **Ready to Install the Program** screen appears
- f. Click **Install** button — at end of installation, a screen appears announcing installation is complete
- g. Select **Yes, check for program updates (Recommended) after setup complete** checkbox to check for updates
- h. Click **Finish** button — **CodeWarrior Updater** dialog box opens

## 2. Check for updates

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**NOTE** If the updater already has internet connection settings, you may proceed directly to sub-step f.

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- a. Click **Settings** button inside the **CodeWarrior Updater** dialog box—**CodeWarrior Updater Settings** dialog box appears
- b. Click **Settings** button — **Connections** page of **Internet Properties** dialog box appears
- c. Modify settings, as appropriate, to successfully connect to internet
- d. Click **OK** button — **Internet Properties** dialog box closes
- e. Select an item in **Update Check Scheduling** list box and click **OK** button; or click **Cancel** button
- f. In **CodeWarrior Updater** dialog box, click **Next** button
- g. If necessary, enter username and password
- h. If updates are available, follow on-screen instructions to download updates to your computer



... .. no updates are found, the software application displays an appropriate message.

- i. Click **Finish** button — installation completes and **CodeWarrior Updater** dialog box closes

**NOTE** For licensing and activation of your CodeWarrior Development Studio for ColdFire® Architectures V7.1, refer to the *CodeWarrior Development Suite Quick Start*. Save the license file, `license.dat`, to the installation root folder. The default location is `C:\Program Files\Freescale\CodeWarrior for ColdFire V7.1`

## Section B: Creating, Building, and Running a Project

**NOTE** This Quick Start example supports many devices, including:  
MCF54455  
MCF52235  
MCF52211

and these evaluation boards:

M52235EVB (Ethernet family)  
M52233DEMO (Ethernet family)  
M52211EVB (USB family)  
M52210DEMO (USB family)

The following example uses the M54455EVB board, but you can use the same instructions to build a new project using any available device.

### 1. Create new project

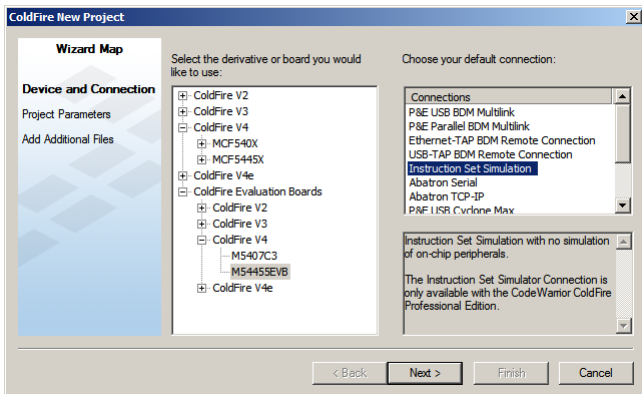
- a. Select **Start > Programs > Freescale CodeWarrior > CodeWarrior for ColdFire V7.1 > CodeWarrior IDE** from task bar— IDE starts; CodeWarrior **Startup** dialog box appears

## Startup Dialog Box



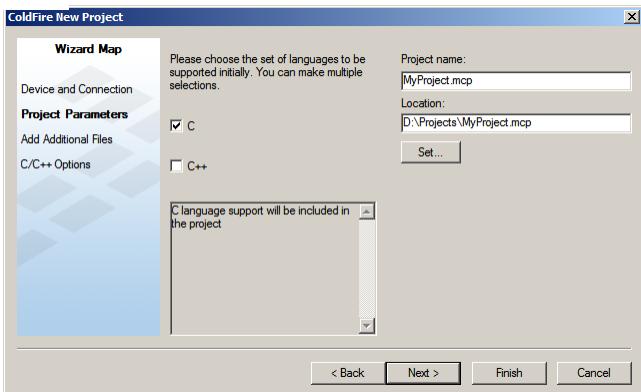
- b. Select **Create New Project** — **Device and Connection** window appears

## Device and Connection Window



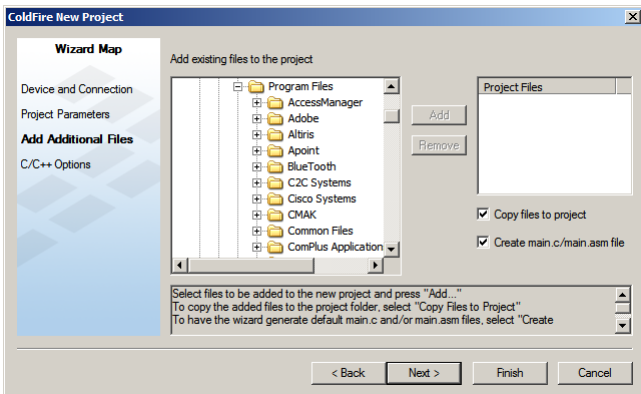
- c. Select **ColdFire Evaluation Boards > ColdFire V4 > M54455EVB** (or the device of your choice)
- d. Select **Instruction Set Simulation**
- e. Click **Next** button — **Project Parameters** window appears

## Project Parameters Window



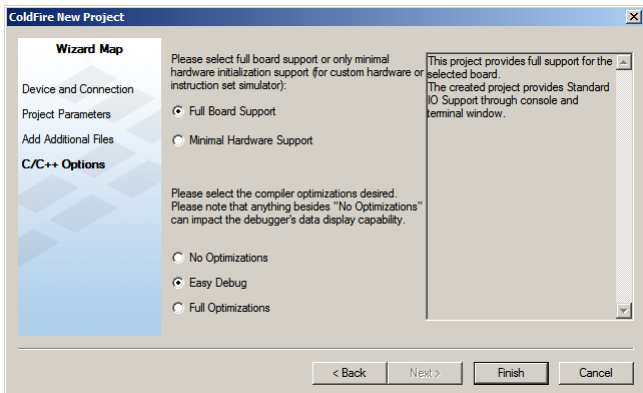
- f. Choose **C**, **C++**, or both
- g. Enter a project name in the **Project name** text box. The software automatically creates a folder with the same name in the default location, or click **Set** to browse and select an alternate location for your project
- h. Click **Next** — **Add Additional Files** window appears

## Add Additional Files Window



Next — C/C++ Options window appears

### C/C++ Options Window

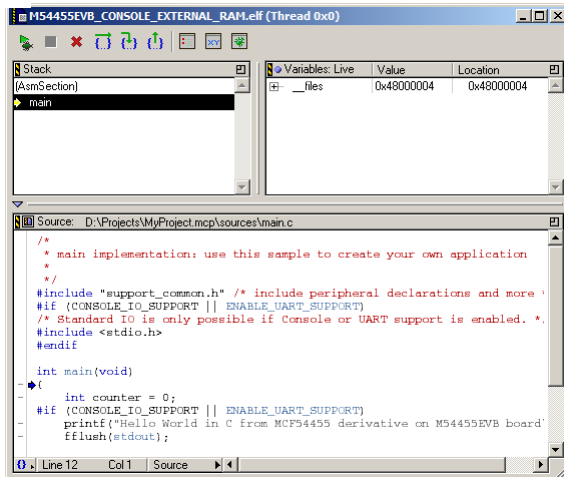


- j. Click **Finish** — the software creates your project according to your specifications

## 2. Build and run project

- a. From main menu bar, select **Project > Make** — IDE updates files and links code into application
- b. From main menu bar, select **Project > Debug** — IDE builds (assembles, compiles, and links) project; debug window appears

## Debug Window (MyProject.mcp)



- c. From main menu bar, select **Project > Run** — debugger downloads program to simulator and runs program; a new console window shows program *Hello World* output
- d. From main menu bar, select **Debug > Kill** — debug session ends; you may close all open windows

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## Congratulations!

You just used CodeWarrior software to create, build, and run a simple program.

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