

Project Creation Guide for DSCs

This guide will assist you when developing any part of the **56F81xxx/56F83xxx series**.

Product	MCUXpresso SDK	MCUXpresso Config Tools	CodeWarrior	**Quick Start Tool external tool to CodeWarrior
			CW11.1	CW11.1
56F81xxx	✓	✓	✓	
56F83xxx	✓	✓	✓	✓

(**Not recommended for new developments)

Please choose between the following three options below.

Option #1: Create a project based on MCUXpresso SDK and MCUXpresso Config. Tools

This is the recommended option to use when developing with any part from the **56F81xxx/56F83xxx series**.

Follow these steps to start the development:

1. Install the [CodeWarrior® for MCUs \(Eclipse IDE\) for Microcontrollers V11.1](#) and any required patches. For more detailed information on how to install the tool, refer to the section 2.1 in the [link](#). Both 56F81xxx and 56F83xxx need to install CodeWarrior update patch.
2. Download and unzip either package: [MC56F81xxx template](#) or [MC56F83xxx template](#). These template projects are extracted from related SDK packages and contain all the necessary drivers. The MCUXpresso Config tools provides a GUI interface to easily configure pins, clock, peripherals and middleware such as FreeMASTER.
3. Import the project with the desired part number into a CodeWarrior workspace. It is suggested to copy the project into the workspace during importing by checking the “Copy projects into workspace” checkbox in the “Import Projects” dialogue.
4. Go to the imported project folder and open the mex file with the MCUXpresso Config tools to start the development

[For more detailed information on how to get started follow the section 4.2, option B, in the link](#)

Option #2: Create a Quick Start based project within CW11.1

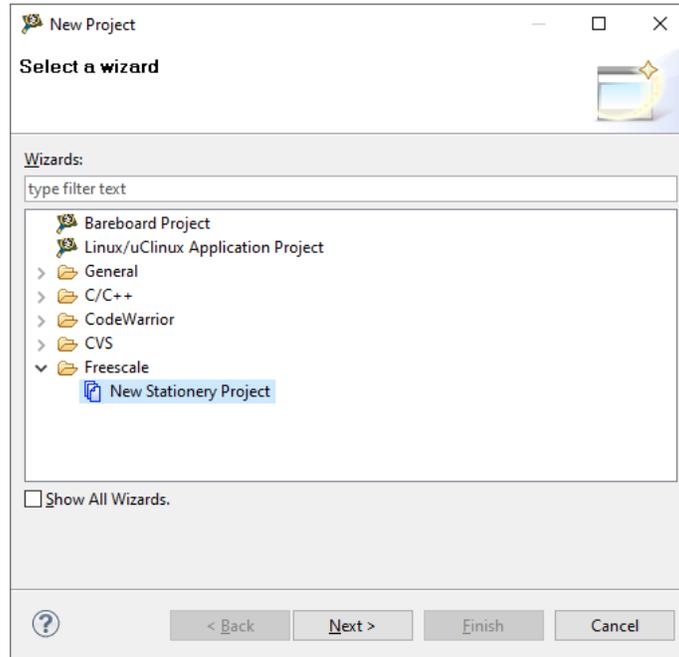
This option may be used to develop with any part from the **56F83xxx series** to create a Quick Start based project within CW11.1. The DSC56800EX_Quick_Start tool is a software environment for embedded applications development. The Quick Start tool is provided for legacy users.

Follow these steps to set up the tools:

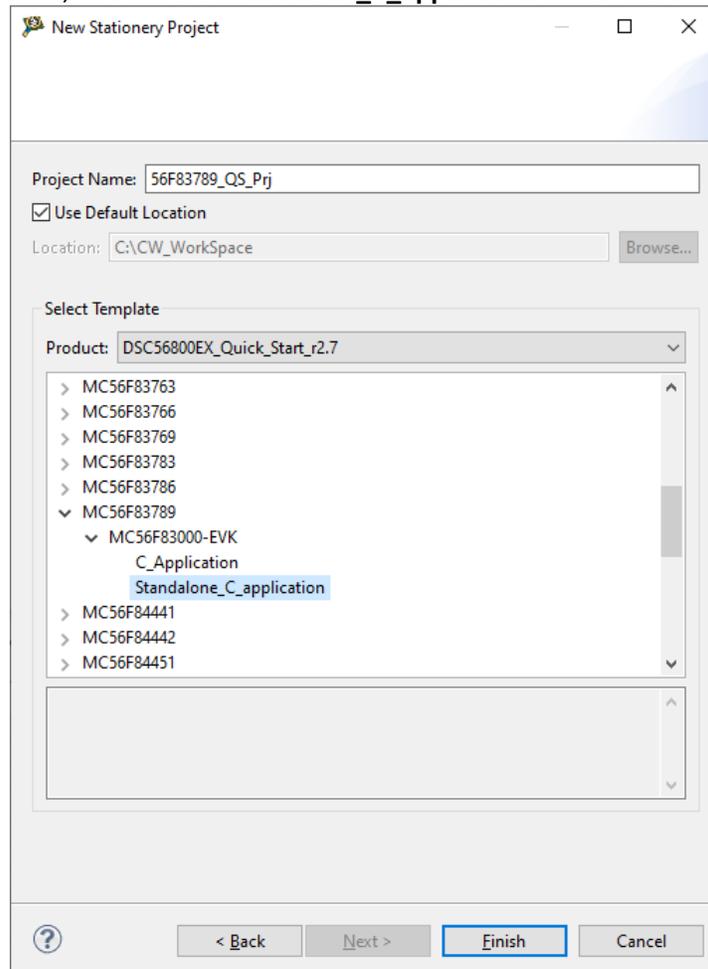
1. Install the [CodeWarrior® for MCUs \(Eclipse IDE\) for Microcontrollers V11.1](#) and any required patches
2. Install and configure [Quick Start](#). Integrate Quick Start stationery wizard into CodeWarrior following Quick Start installation guide.

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3. Open CodeWarrior, click on **File->new->Project...**, choose **“New Stationery Project”** and click **Next**.



4. Type project name, and choose **Standalone_C_application** under the desired part. Click **Finish**.



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5. A standalone template project is generated. Now Quick Start tool can be invoked to configure the peripherals and generate initialization codes.

In order for DSC56800EX_Quick_Start to integrate itself with the development tools, the CodeWarrior tools should be installed prior to the installation of the DSC56800EX_Quick_Start tool.

Option #3: Create a new project within CW11.1

This option may be used to develop with any part from the **56F81xxx/56F83xxx series** when MCUXpresso SDK and MCUXpresso Config tools support are not needed.

Follow this step to start the development:

1. Install the [CodeWarrior® for MCUs \(Eclipse IDE\) for Microcontrollers V11.1](#) and any required patches. For more detailed information on how to install the tool, please refer to the section 2.1 in the [link](#)
2. Go to the new project wizard to create a new project (click **File->New->Bareboard Project**) and then develop on this basis. For more detailed information on how to get started, please refer to the section 4.1 in the [link](#)