

Automated Flash Programming

By Trevor Martin

Introduction

In this article we show you how to automate flash programming using Keil's Microvision for Arm microcontrollers. This approach is suitable for low volumes of boards such as preproduction prototypes.

It's this easy!

Your existing development project can be invoked from the command line as shown below

```
UV4.exe -f Programming.UVPROJ -o Prg_Output.txt
```

-f specifies the uVision project

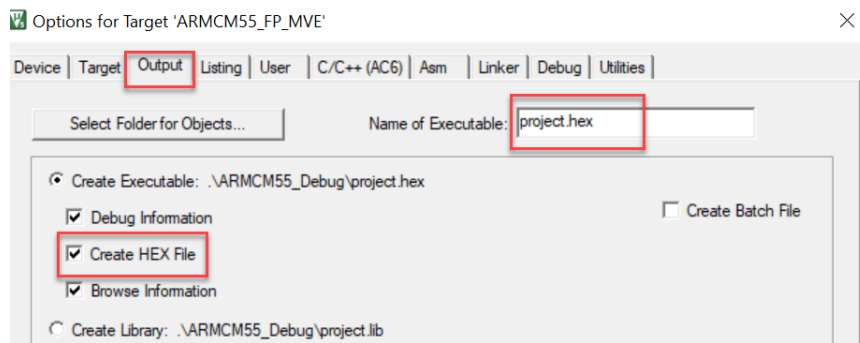
-o specifies a log file

This will download the linker .axf file into the microcontroller flash. However, if you need to download a project HEX file you will need to make a small change within the project settings.

Start uVision and open project>manage>options for target

Select the Output tab and change file extension for "Name of Executable" to hex

Now the hex file will be used when code is downloaded into the Microcontroller Flash.



You can also tell the build system to generate a HEX file in this menu.

And that's it!

This is just one handy feature of the Arm® Keil Microcontroller Tools which also include C/C++ compilers, integrated development environments, RTOS, middleware, as well as debug adapters and evaluation boards for Arm Cortex®-M based devices.

Further Information

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