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## INTRODUCTION

The KEIL µVision STG-8xx example programs have been created when ARM Compiler v5 was still being used.

By now, a new version has been developed and released - namely version 6.

Since some ways it compiles code have changed, the STG-8xx example programs do not work with the v6 compiler anymore.

While it is possible to partially use some of the programs with the new compiler, it does not work consistently.

That is why we're providing this document as a way to still use the STG-8xx example programs with compiler v5, while we're actively working on migrating all old KEIL µVision example projects to STM32CubeIDE.

Please understand that we're offering this document as is and that we cannot offer in depth support for this.

The example projects are as the name suggests just examples. Please ensure you do your own testing and make the neccessary changes to them so they work for your application.

## 1    Downloading ARM Compiler v5

An ARM Developer account is requried to download the compiler.

This guide uses Arm Compiler 5.06 update 7 (build 960), which can be downloaded on the official ARM Developer website download center.
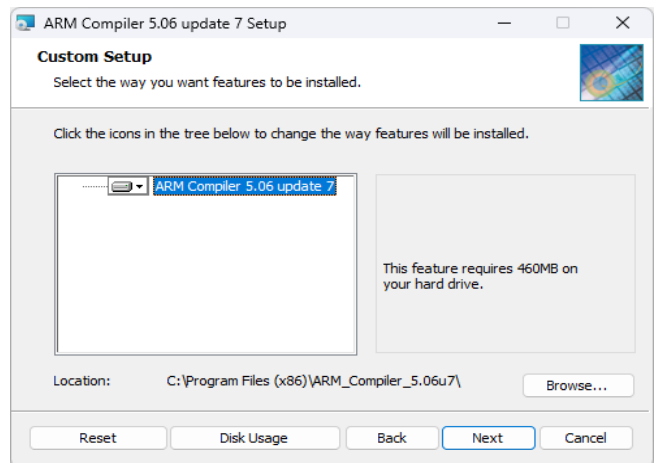
After navigating to the download page, click the download button.
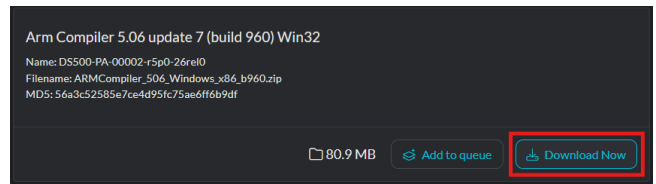


Place the .zip file at a location of your choosing and unzip it. After unpacking it, navigate to the „Installer" folder and run the „setup.exe".



Follow the installation instructions until you arrive at the „Custom Setup" menu, where you can choose the location of your installation.

For convinience, the KEIL µVision install directory will also be used as the compiler install location.
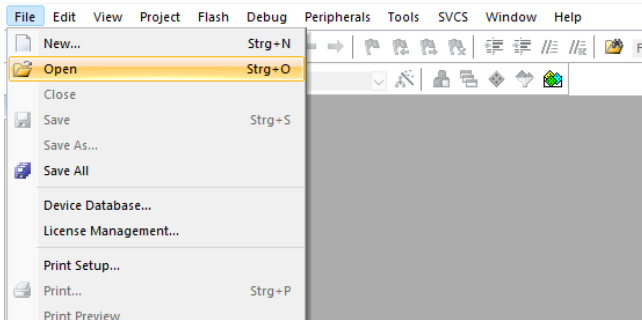The folder „v5" was created inside .../KEIL_vX/ARM
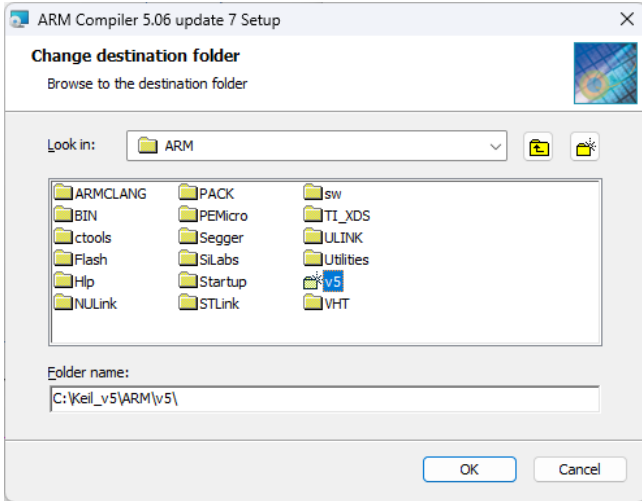


Confirm with „OK" and follow the instructions, finishing the installation.

## 2 Configuring KEIL µVision

For this guide, the CAN example program for the STG-800 will be used, but this guide applies to all other STG-8xx example programs.
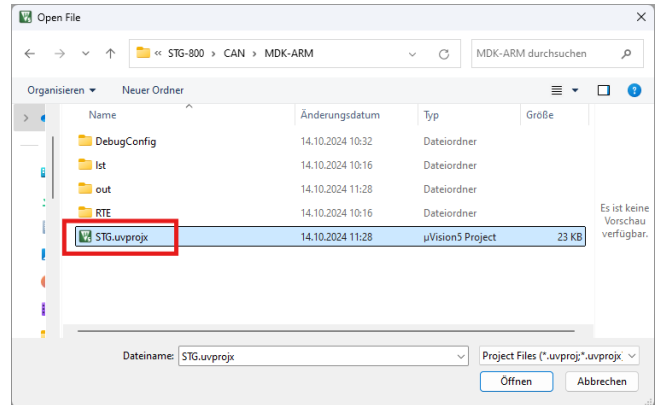
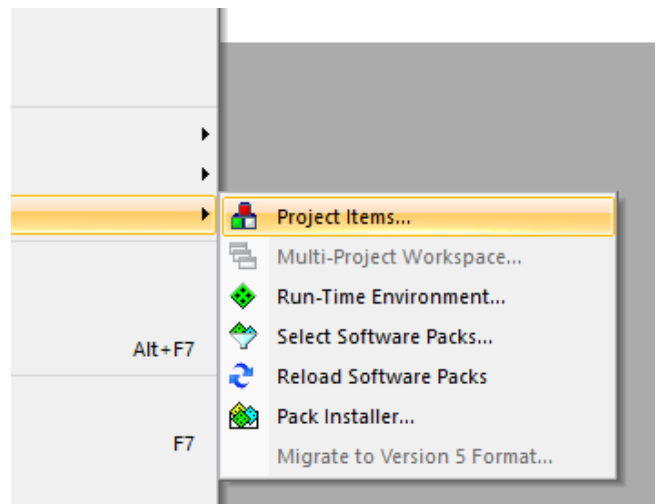After starting KEIL µVision, navigate to the „File" tab and click on „Open".



Find the example program folder you want to use and change the file type in the bottom right to „Project Files" to see the KEIL µVision project file.
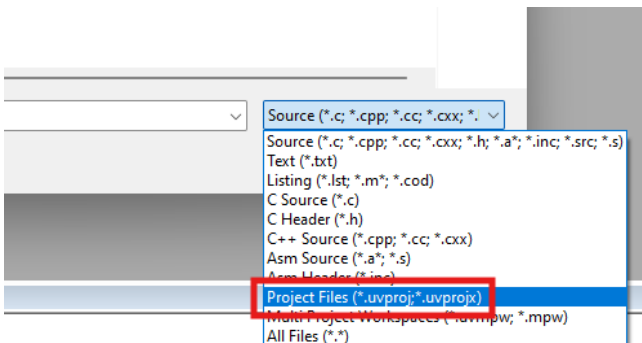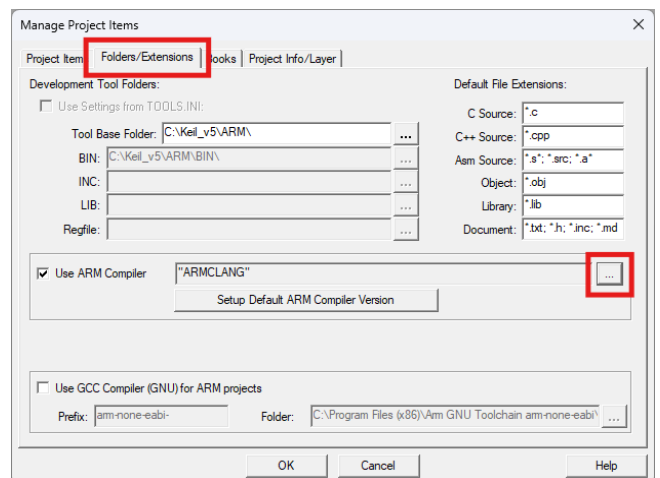


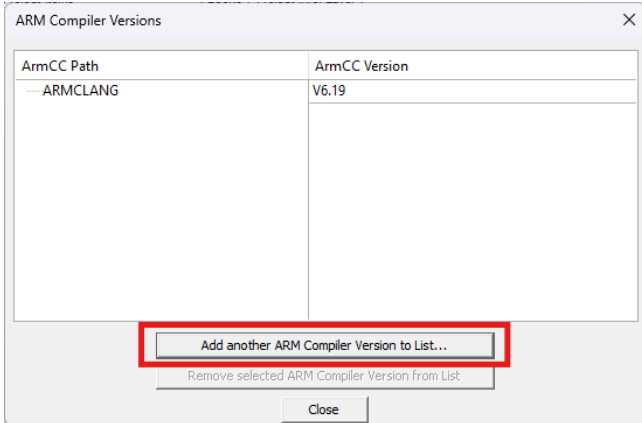Now you can select the project file and open the project.



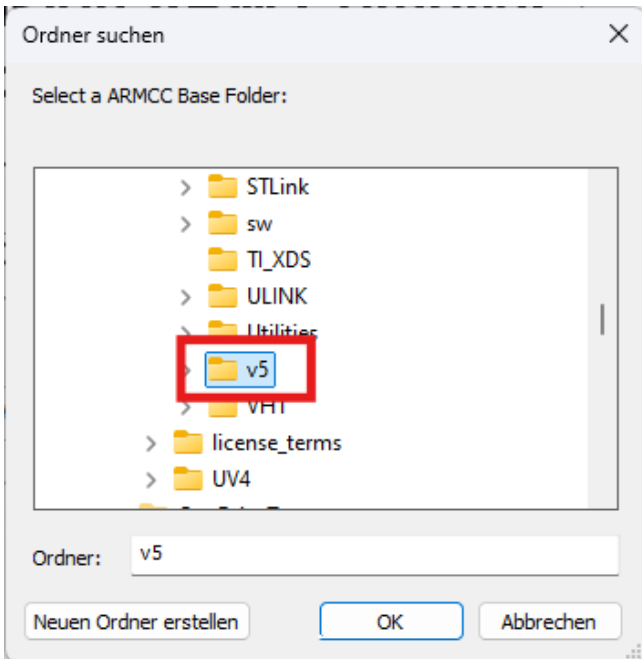After you've successfully opened the project, navigate to „Project -> Manage -> Project Items...".



Inside the „Manage Project Items" menu, click on the tab „Folders/Extensions" and then on three dots next to the ARM Compiler menu.
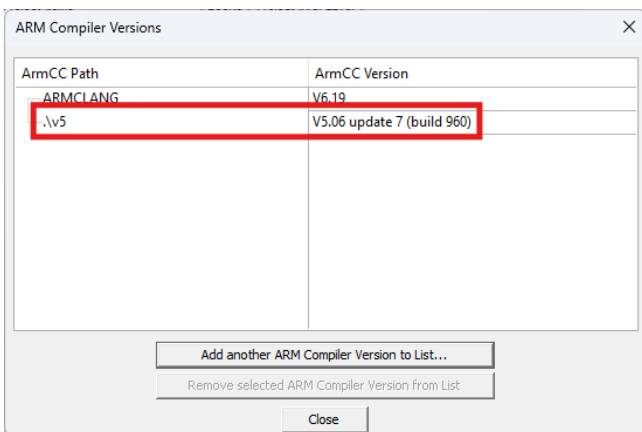
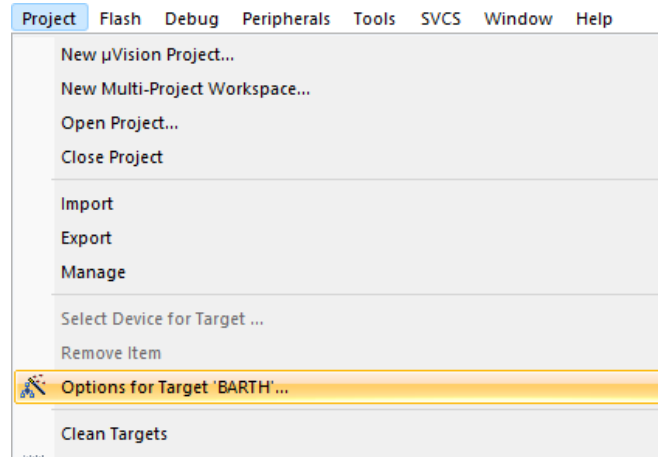Click on „Add another ARM Compiler Version to List...".

Close the menu and click on the „Project" tab and then „Options for Target ‚*YOUR PROJECT*'...".

Navigate to the folder where you've installed the ARM Compiler v5.

Choose the v5 compiler from „ARM Compiler" list.

The compiler should now show up in the list.
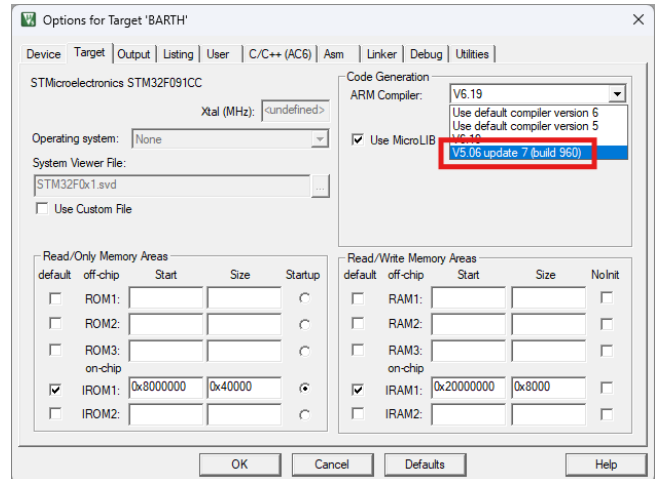
Click on the project folder on the left and click on „Rebuild all target files".
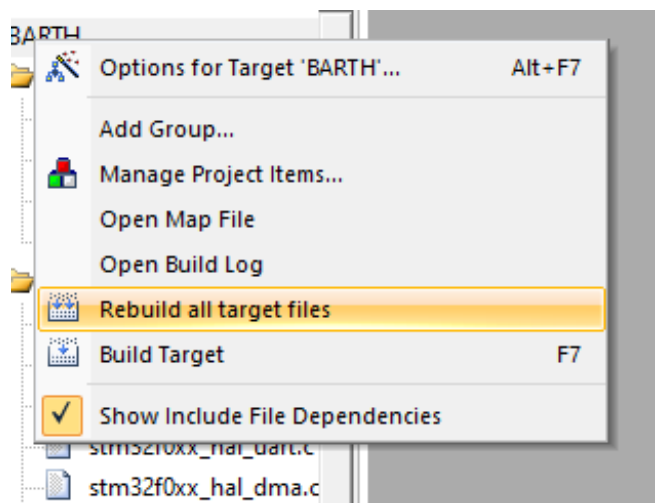
Well done! You should now be able to compile and use the STG-8xx example programs.