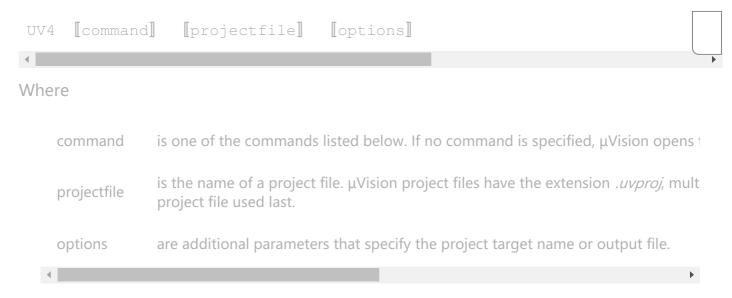# Command Line

µVision can be invoked from a command line to build a project, start the debugger, or download a program to Flash. The command applies to project and multiple-project files:

```
UV4  〚command〛  〚projectfile〛  〚options〛
```

Where

command	is one of the commands listed below. If no command is specified, µVision opens t
projectfile	is the name of a project file. µVision project files have the extension *.uvproj*, mult project file used last.
options	are additional parameters that specify the project target name or output file.

The following *commands* are available:

Command	Description
-b	Builds the last current target of a project and exits after the build process finishe targets as defined in the dialog Project - Batch Build. Examples: **UV4 -b PROJECT1.uvprojx**
-c	Clean all project targets of a project. For a multi-project, the command cleans all on Project Menu and Commands for details about the cleaning process. Examples: **UV4 -c PROJECT1.uvprojx**
-cr	Clean all project targets and re-translate the last current target of a project. Refe re-translates the targets as selected in the dialog Project - Batch Build. Refer to t Examples: **UV4 -cr PROJECT1.uvprojx**
	Starts µVision in Debugging Mode. Use this command together with a debug ini the EXIT command.

Command	Description
	UV4 -d PROJECT1.uvprojx
-f	Downloads the program to Flash and exits after the download process finished. Examples: **UV4 -f PROJECT1.uvprojx -t"MCB2100 Board"**
-r	Re-translates the last current project target and exits after the build process finis translates the targets as defined in the dialog **Project - Batch Build**. Examples: **UV4 -r PROJECT1.uvprojx -t"Simulator"**
-5	Converts a µVision 4 uvproj file into a µVision 5 uvprojx file. The only valid optio Examples: **UV4 -5 myoldproject.uvproj -l log.txt** If the conversion fails, error code 20 will be returned.
-et	Exports a project target to <projectName>.<targetName>.cprj file. Use the optio Note that *-et* command with option *-t*, does not change the current target confi Examples: **UV4 -et myProject.uvprojx** Export current target in myProject.uvprojx to myProject.<targetName>.cprj file. 0 **UV4 -et myProject.uvprojx -t "my-target"** Export target "my-target" in myProject.uvprojx to myProject.my-target.cprj file.
-ep	Exports all project targets to respective <projectName>.<targetName>.cprj files Examples: **UV4 -ep myProject.uvprojx**
-X	Generates preprocessor symbol file co-arm_<target_name>.h/hpp in the current Examples: **UV4 -X myProject.uvprojx** **UV4 -X myProject.uvprojx -T "Target 1"** Note that the generation process can take a while. If you want to see the progre
-X1	Generates preprocessor symbol files co-arm_<target_name>.h/hpp for all target Examples: **UV4 -X1 myProject.uvprojx** Note that the generation process can take a while. If you want to see the progre

The following *options* can be used:

Option	Description
-j0	Hides the µVision GUI. Messages are suppressed. Use this option for batch
-i *import_file.xml*	Creates a new project or updates an existing project using the data provide in the directory **..\UV4**. The target name may be specified with the option name of the target. The GUI is suppressed automatically when using this op Examples: **UV4 MyProject.uvprojx -i MyImport.xml**
-l *logfile*	Saves the output of the command in the specified *logfile*. Examples: **UV4 -5 myoldproject.uvproj -l log.txt** If the conversion fails, error code 20 will be returned.
-n *device_name*	Creates a new project with the specified *device_name*. The target name can GUI is suppressed automatically when using this option. Examples: **UV4 MyProject.uvprojx -n Device1234** **UV4 MyProject.uvprojx -i MyImport.xml -n Device5678 -t FlashDebug**
-np *device_name*	Creates a new project with the specified *device_name* if the project does n specified *device_name* in all targets of the project. The GUI is suppressed a Example: **UV4 MyProject.uvprojx -np Device1234**
-o *outputfile*	Specifies the output log file. Examples: **UV4 -r PROJECT1.uvprojx -o"listmake.prn"** **UV4 -r "C:\MyProjects\ARM\Example-mpw.uvmpw" -o "c:\temp\log.tx**
-q	Re-builds the selected targets of a multiple-project. Ensure that each targe Select Folder for Objects. Examples: **UV4 -r "C:\MyProjects\ARM\Example-mpw.uvmpwx" -q -o "c:\temp\lo**
-s *port*	Enables UV Socket port and assigns the value of *port* to it. See section **UVS** Examples: **UV4 MyProject.uvprojx -s 4328**

Option	Description
-t *targetname*	Examples: **UV4 -r PROJECT1.uvprojx -t"MCB2100 Board"**
-x	Enables DDE mode and returns complete command output. This option ca
-y	Enables DDE mode and returns only command confirmations. This option c
-z	Re-builds all targets of a project or multiple-project. Ensure that each targe Select Folder for Objects. Examples: **UV4 -b PROJECT1.uvproj -z -o "c:\temp\log.txt"** **UV4 -b "C:\MyProjects\ARM\Example-mpw.uvmpwx" -q -z -o "c:\temp**
-sg	Disables use of the user GUI layout from uvguix files. Default window layout for edit and debug mode is used during the comple project. Useful when running μVision in batch mode to avoid undesired modificatic Examples: **UV4 -sg myProject.uvproj**