

How to Include a User-Defined makefile in Your 8051 Project

This application note shows you how to include a user-defined makefile in your 8051 project.

As an example it shows you how to use the hexconv.exe utility to generate a .bin and .dmp file.

DOWNLOAD HEXCONV TOOL FROM TASKING WEB SITE

For this example you may need to download the hexconv tool (hexconv.zip) from www.tasking.com/support/8051 included in the list of download items and extract the files from the zip file to the directory c:\hexconv.

WRITE YOUR OWN MAKEFILE USING EDE

Create the example file hexconv.mak containing the following code:

```
.DONE:  
  @echo Creating Binary Records file $*.bin  
  @"c:\hexconv\hexconv.exe" $(PROJ).hex bin $(PROJ).bin 0 64k  
  @echo Creating Dump Records file $*.dmp  
  @"c:\hexconv\hexconv.exe" $(PROJ).hex dump 0 64k 1>$(PROJ).dmp
```

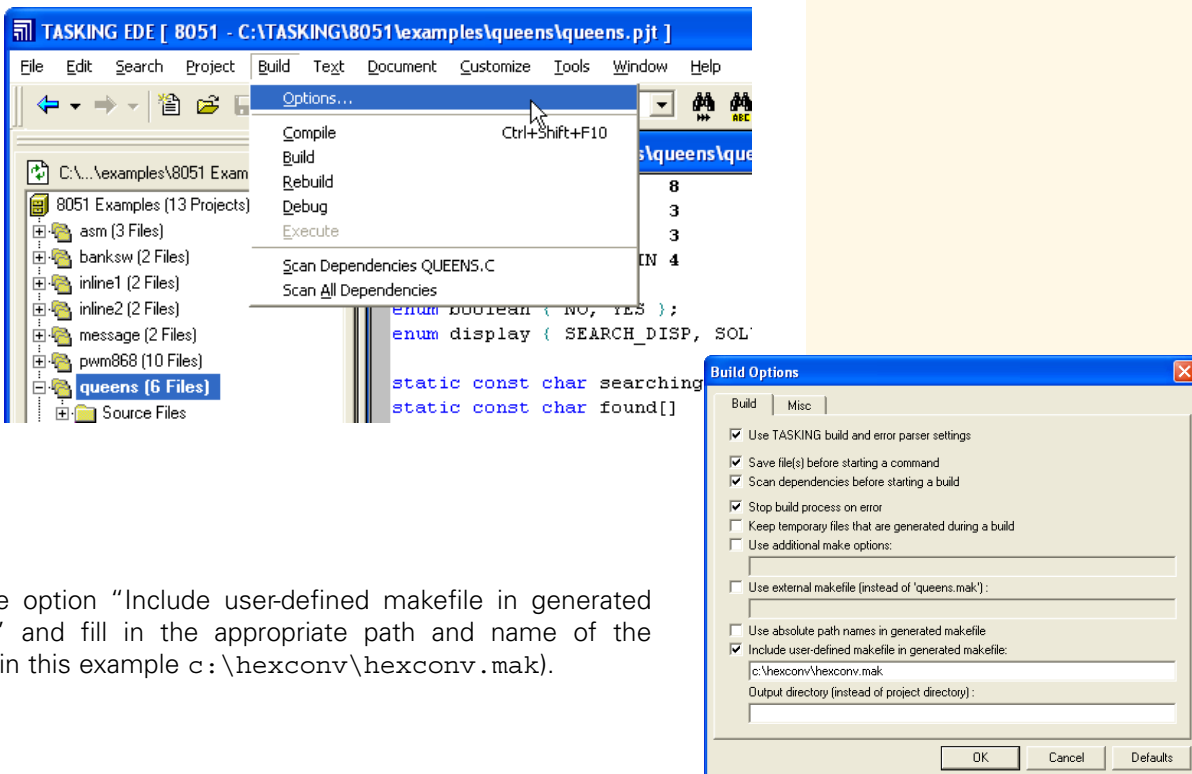
“DONE” is used here to have mk51 process the user defined makefile (and its dependencies) after all other targets are built.

Save your .mak file in the directory c:\hexconv\... and select **Build > Options** from the menus.



TIP

Paragraph 10.8 (page 290) of the assembler manual (m_asm51.pdf) gives an explanation of the make directives. Manuals can be accessed from either the Programs menu or by clicking on the appropriate manual buttons located on the EDE toolbar.



Select the option “Include user-defined makefile in generated makefile:” and fill in the appropriate path and name of the makefile (in this example c:\hexconv\hexconv.mak).

