

Application Note: How to Redirect Compiler Output

Problem:

When a compiler error occurs that generates many lines of error messages, they can scroll off the screen when running the compiler in a DOS box.

Solution:

There are actually 2 solutions:

1. If you are using a Programmer's editor such as Codewright, Crisp, etc., you can configure the editor to capture the output and display it in the editor's output window. This will also allow you to click on an error in the output window and jump to the specific location in the source code.
2. Create a command and batch file to capture the output in the DOS box. The remainder of this app note will describe this procedure.

How to Capture the Compiler Output in a DOS Box:

The GNU compiler runs in a bash shell. You will need to create a command file and a batch file in order to capture the output. For example:

Create a file called log.cmd that contains only 1 line: `make >& make.log`

Create a file called log.bat that contains only 1 line: `bash log.cmd`

Now when you execute log.bat the program will compile and the output will be saved in make.log.

Alternatively, you can skip the log.bat file and just type "bash log.cmd" to compile you program instead of "make".