

PIC PROGRAMMING PROCEDURE:

1. Open MPLAB IDE from the desktop icon or go to:

Start / Programs / Microchip MPLAB IDE / MPLAB IDE

2. If you have previously created a project, use *Project | Open*; otherwise, go to *Project | Project Wizard*.

PROJECT WIZARD

STEP 1:

Choose the device (PIC) you're using. Probably the 16F88.

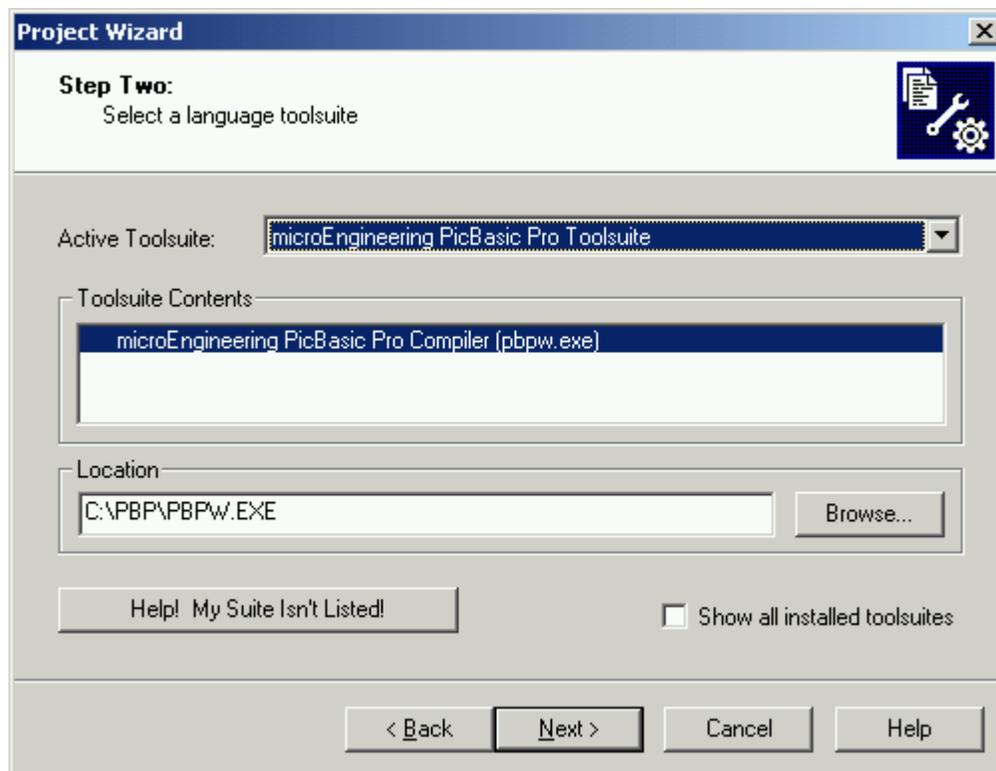
STEP 2:

These fields should already be set to....

Active Toolsuite: microEngineering PicBasic Pro

Toolsuite Contents: microEngineering PicBasic Pro Compiler (pbpw.exe)

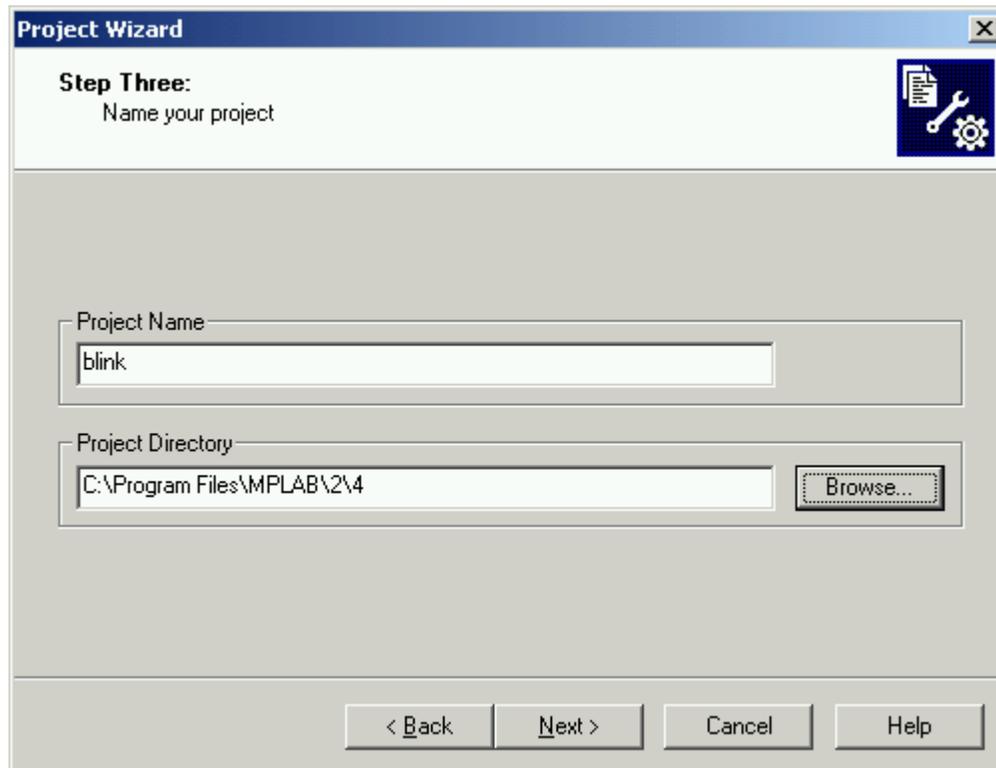
Location: C:\PBP\PBPW.EXE



STEP 3:

Project Name: 8 or less characters

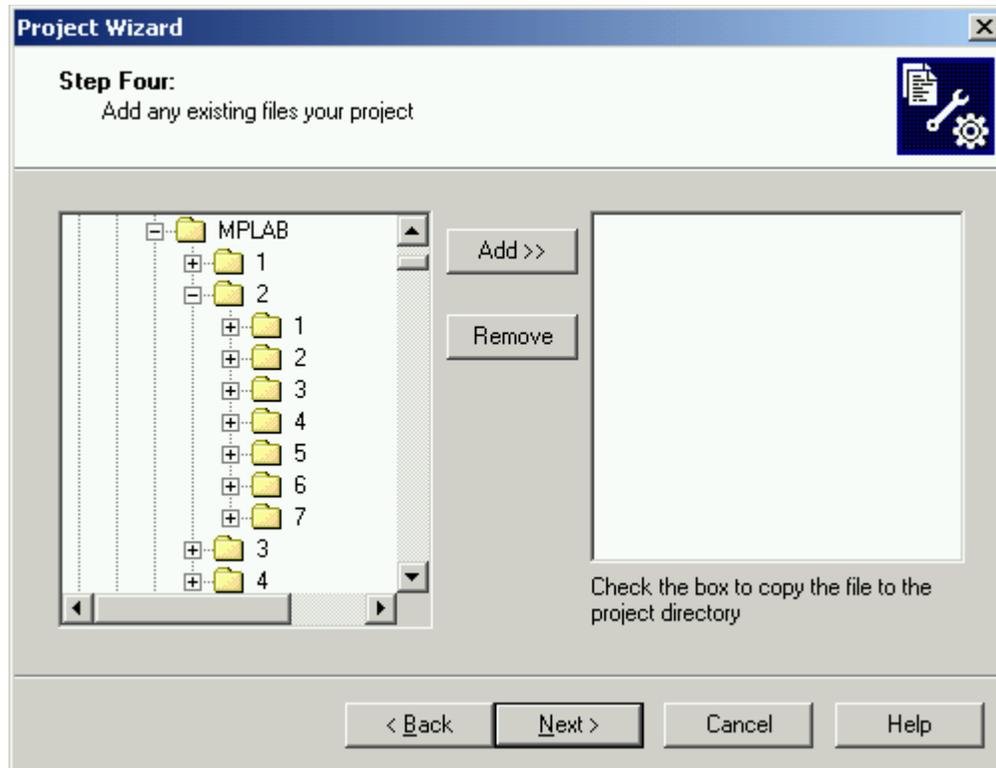
Project Directory: Where to save the files that go in your project. You should **save this to your U: drive** (and not the C-drive as shown below).



The image shows a screenshot of the "Project Wizard" dialog box, specifically "Step Three: Name your project". The dialog box has a blue title bar with the text "Project Wizard" and a close button (X) in the top right corner. Below the title bar, the text "Step Three: Name your project" is displayed, accompanied by a blue icon of a document with a wrench and gear. The main area of the dialog box is light gray and contains two input fields. The first field is labeled "Project Name" and contains the text "blink". The second field is labeled "Project Directory" and contains the text "C:\Program Files\MPLAB\2\4". To the right of the "Project Directory" field is a "Browse..." button. At the bottom of the dialog box, there are four buttons: "< Back", "Next >", "Cancel", and "Help".

STEP 4:

If you had already created a ".bas" file (the type of file where your code is written), you could add it here. If you haven't written your code yet, just hit *Next* and *Finish*.



NOTE - An alternative to steps 3-5 below is to use the Microcode Studio editor to create and edit your code. Microcode provides in-line help, interactive syntax checking, and development tools that help you minimize errors.

3. Go to *File / New*

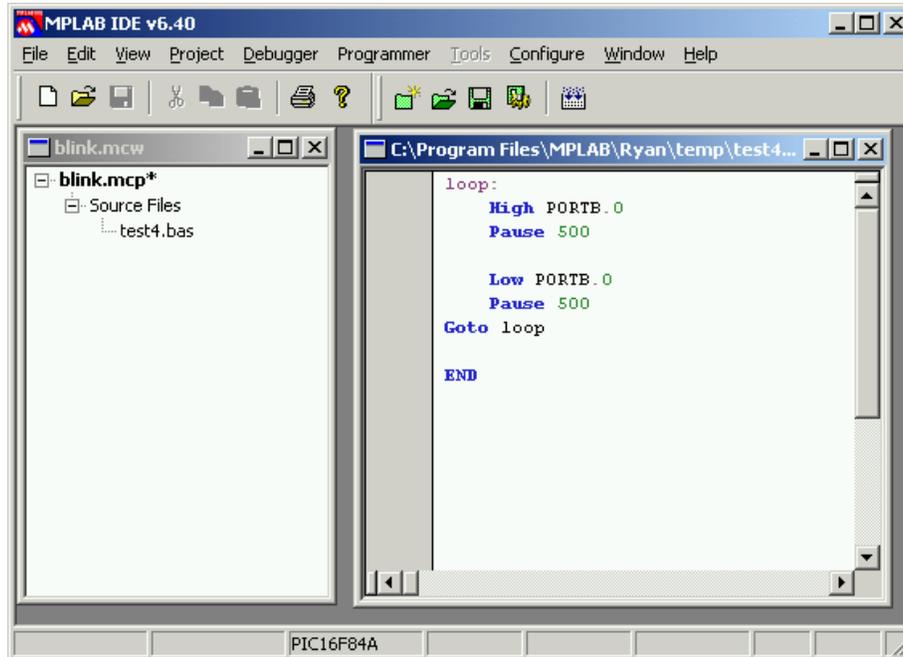
This opens a new window in which to write your code. Before writing any code, however...

4. Go to *File / Save As...*

Browse to the folder in which you created your project (Step 3 of the Project Wizard). Save your file with the same name as the project but add ".bas" to the end. For example, blink.bas. It won't add ".bas" automatically, so remember to add it yourself.

5. Write your code!

In the empty window, write your PicBasic code. **Note - If you are using the PIC16F88 you will need to include the extra header code provided earlier.**



6. Go to *Project / Add Files to Project...*

Browse to the folder where you just saved your ".bas" file and open that.

7. After writing your code, compile it.

Either go to *Project / Compile*, hit F10, or click on the  icon.

8. An Output window describing the results of the compilation is displayed. If there were no errors in your code, it will tell you that the BUILD SUCCEEDED. If you had an error, it will say BUILD FAILED and indicate which line number(s) the ERROR was on. If you had errors, go back and fix them (start with the lowest line number).

