

ET-575/ET-580 Atom IDE System Configuration

Windows

Software Websites

[MinGW Compiler](#)

[Atom Text Editor](#)

Installing the MinGW Compiler

1. Download and run the MinGW setup program and select **Install**. The setup program will download necessary files and run the **Installation Manager**.
2. Under **Basic Setup** right click and mark for installation the **mingw32-base** and **mingw32-gcc-g++** packages. On the menu click **Installation, Apply Changes** then **Apply**.
3. In the **Windows Search Bar** next to the **Start Button** type **Control Panel**. When it opens click on **System and Security**, open the **System** applet then **Advanced System Settings**. On the **Advanced** tab click on **Environmental Variables**. Under the **System Variables** select **Path**, click **Edit** then click **New** and type **C:\MinGW\bin**.
4. Verify that the compiler is installed and path setup correctly by doing the following. Type **CMD** into the **Windows Search Bar**. This will open the **Command Prompt**. Type **Path** and verify that **C:\MinGW/bin** is listed. Type **gcc -v** and verify that the compiler outputs a GCC information message instead of a file not found error.

Installing the Atom Text Editor

1. Download and run the **Atom** setup program.
2. Click on **Packages, Settings** then **Install Packages/Themes**.
3. In the search bar type **gpp** and click the **Packages** button to search. A list of related packages will appear.
4. Locate the package **gpp-compiler** by krisscross07 and **Install**.
5. On the **gpp-compiler** tab, click **Settings**.
6. In the **C++ Compiler Options** textbox type **-std=c++11** for c++11 support.
7. Restart Atom then create a simple Hello World program to test the installation. Atom will compile and run your program if you hit the **F5** key or if you right click on the program and select **Compile and Run**.

OSX

Software Websites

[Homebrew](#)

[Atom Text Editor](#)

Install the GNU Compiler Collection

1. Navigate to <https://brew.sh>. Follow the instructions to install Homebrew.
This installs the XCode Command Line Tools which includes the compiler.

Installing the Atom Text Editor

1. Download and run the **Atom** setup program.
2. Click on **Packages, Settings** then **Install Packages/Themes**.
3. In the search bar type **c++** and click the **Packages** button to search.
A list of related packages will appear.
4. Locate the package **gpp-compiler** by krisscross07 and **Install**.
5. Under the **gpp-compiler** tab, click **Settings**.
6. In the **C++ Compiler Options** textbox type **-std=c++11** for c++11 support.
7. Create a simple **Hello World** program to test the installation.

Atom will compile and run your program if you hit the **F5** key.