

## Javelin Stamp IDE (JSIDE) Setup

In order to program the Boe-Bot, you will have to use a new IDE, the Javelin Stamp IDE. To install it on your personal computer (Windows only; Mac users will have to use the lab computers or dual boot to use the JSIDE), do the following:

1. Download the following to your computer (they are .exe installation files)  
<http://www.parallax.com/Portals/0/Downloads/sw/JvlnSIDEsetupv203.exe>  
<http://www.parallax.com/Portals/0/Downloads/sw/uty/USBDriverInstallerV2.04.16.exe>

The first file installs the JSIDE (you can install it to any folder, but remember where you install it; you will need this info later)

2. The second file installs the USB drivers
3. Go to Control Panel and click on System (to go to System Properties)
4. Go to Device Manager
  - a. WinXP: It's under the Hardware tab
  - b. Vista: It's on the left list of links
5. Under Ports, check the COM port number assigned to the USB Serial Port (e.g. COM3)
6. Open the JSIDE
7. Click on Options on the top
8. Click on 'Debugger'
9. Click on the '...' button
10. In the blank next to 'Com #' type in the number of the COM port that you found in step 6 (make sure there are no blank spaces in the field)
11. Click Add, then OK and OK to get out of both windows.
12. Testing your connection
  - a. Connect your Boe-Bot to your computer using the provided USB cable
  - b. Slide the power switch to '1'
  - c. In the JSIDE, go to 'Project' and then 'Identify'
  - d. Under one of the COM ports, it should say 'Javelin' under 'Device Type'
  - e. Troubleshooting - Make sure that:
    - i. Boe-Bot's power switch is on 1
    - ii. the cable is connected on both ends
    - iii. the drivers were installed (the existence of USB Serial on the list of ports in Device Manager means that the drivers are installed)
    - iv. the COM port number is on the list in the JSIDE
13. If you are running Microsoft XP Operating System then you will need a Microsoft software patch  
Microsoft Patch: <http://support.microsoft.com/kb/935448/>  
or  
HHCTRL.OCX file: <http://forums.parallax.com/forums/attach.aspx?a=14981>  
Simply place the HHCTRL.OCX file in the same folder as the Javelin Stamp IDE (this is the easier fix).
14. If you are still unable to successfully connect your Boe-Bot, bring your computer to lab and we'll check it out

## **Using Dr Java for editing programs**

Since the JSIDE is a primitive interface, you may find it easier to use Dr. Java to write your programs. Download Dr Java using installation instructions from [Java Resources page](#). To enable the use of Dr. Java with the Boe-Bot, do the following:

1. Open Dr. Java
2. Go to Edit, then Preferences
3. Click 'Add' under the 'Extra Classpath' field
4. Find the "stamp" folder in the Javelin Stamp IDE installation directory and click select
5. You should now be able to compile Boe-Bot programs. Keep in mind that you will not be able to run programs.

To download programs to the Boe-Bot, you will still need to use the JSIDE. Simply open your program in the JSIDE, and press Ctrl+R. This will compile and download the current program, assuming it compiles properly and the power switch on the Boe-Bot is set to '1'.