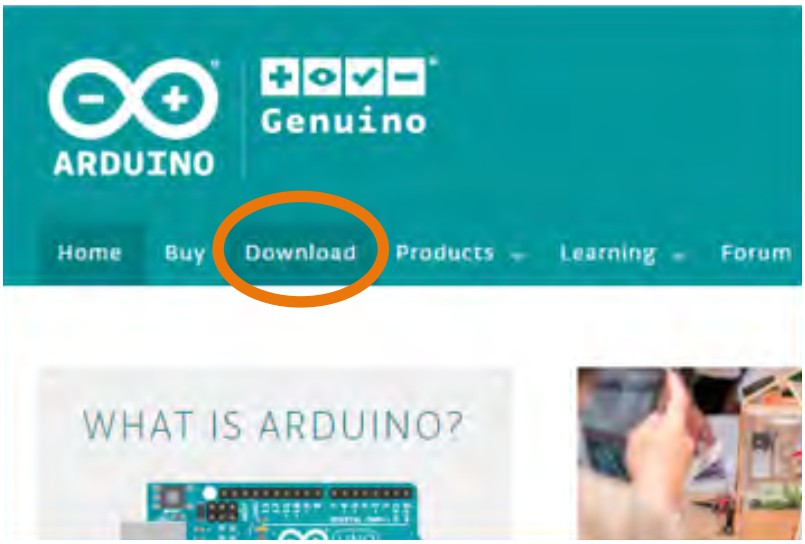
Simblee
Quickstart Guide V1.0

Simblee IDE Installation for Windows

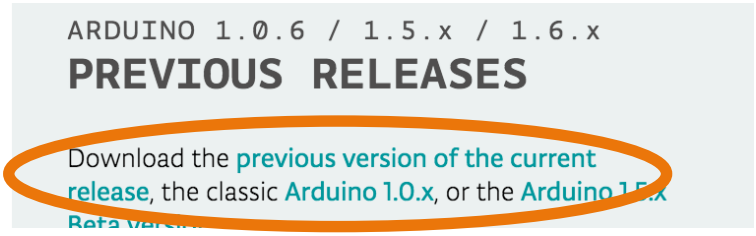
Installing Arduino IDE 1.6.5 / Installing Simblee Library / Simblee USB Driver and COM port

Installing Arduino IDE 1.6.5
For Windows

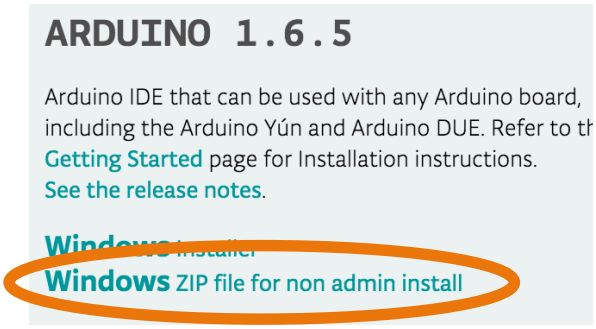
1.
Visit Arduino.cc and click the **Download** tab at the top of the page



2.
Click on **previous version of the current release**



3.
Select Windows ZIP for non admin installation



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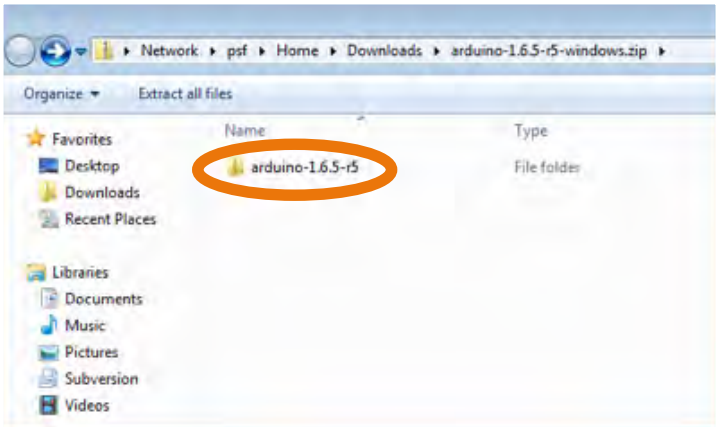
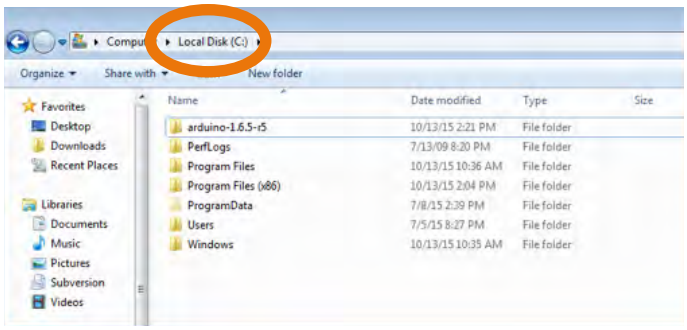
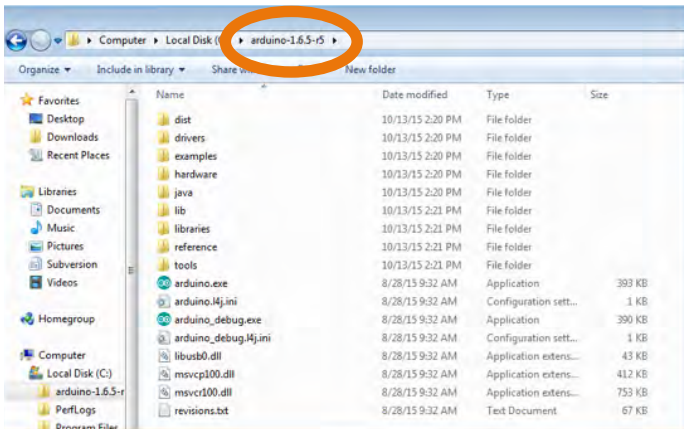
4.
After downloading, you will have a ZIP file called **Arduino-1.6.5-r5-windows.zip**



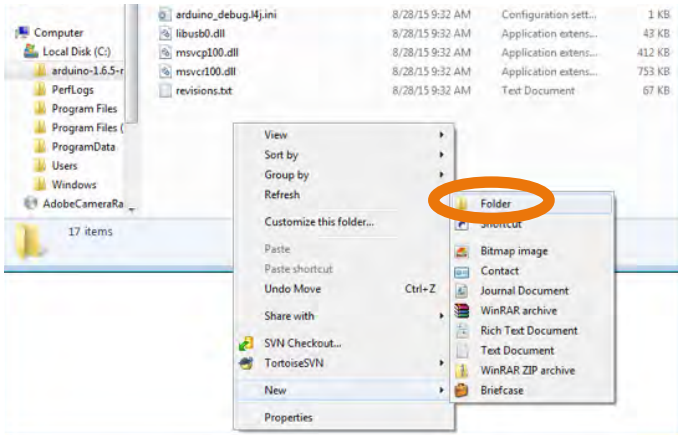
5.
Extract the folder arduino-1.6.5-r5 to your root directory
(C:\\ for example)



6.
Open the folder arduino-1.6.5-r5



7.
Right click inside the folder window and go to New > Folder



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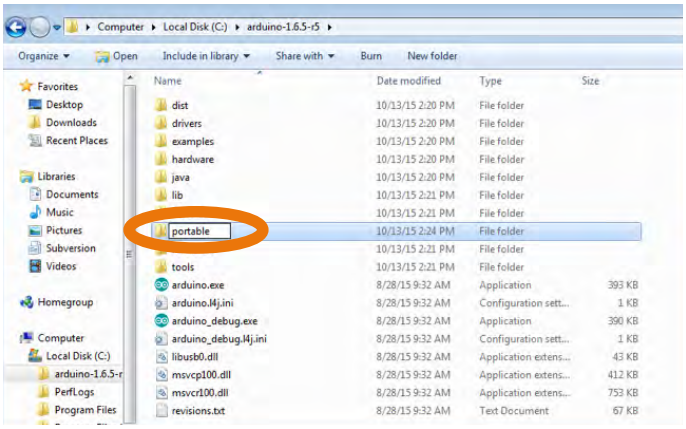
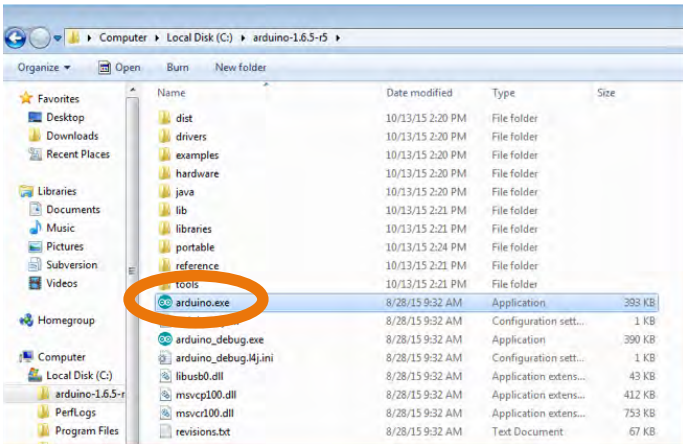
8.
Name the new folder “**portable**”



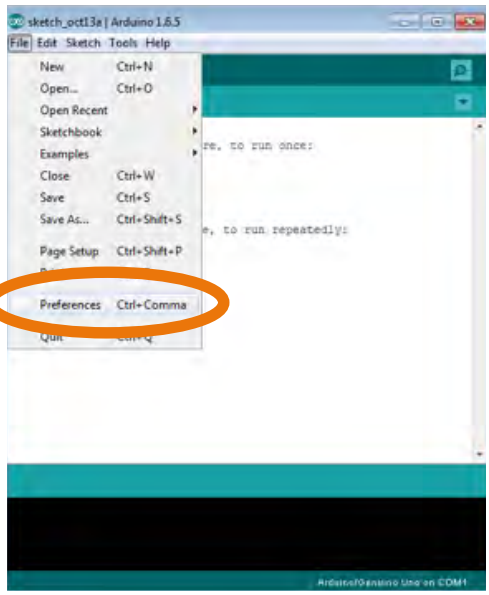
9.
Launch **Arduino.exe**



Installing Simblee Library

For Windows

1.
With the ArduinoIDE open, click on
File > Preferences



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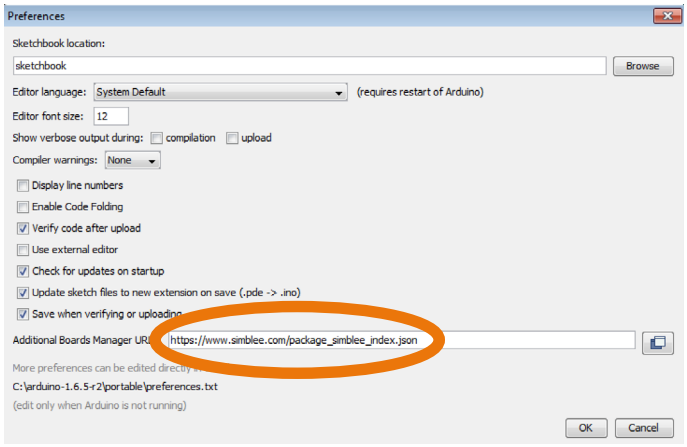
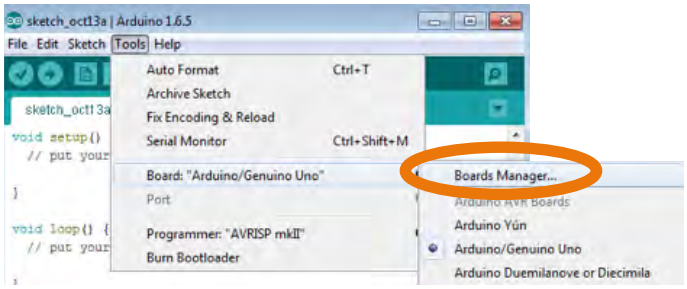
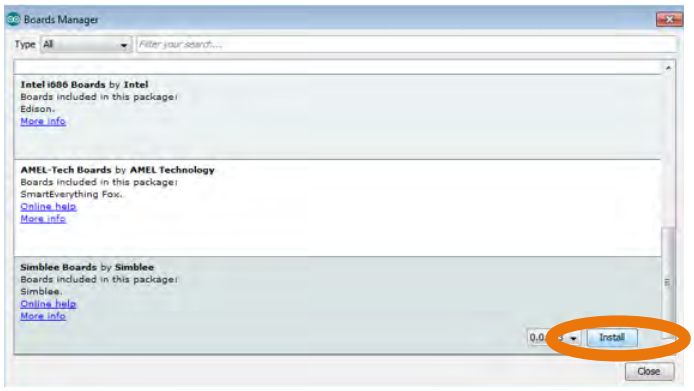
2.
Copy and Paste the following link into **Additional Boards Manager URLs**:
"https://www.simblee.com/package_simblee_index.json"
then press "OK"



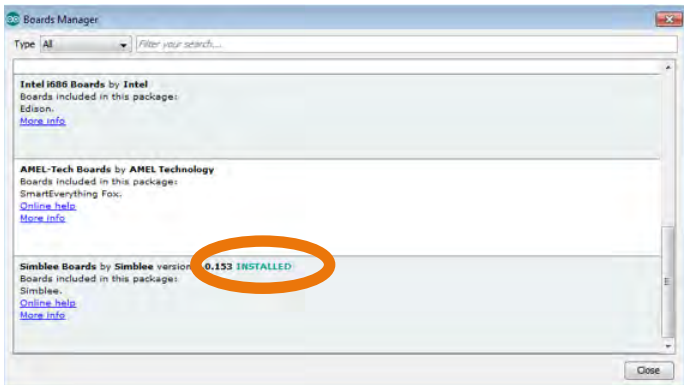
3.
Go to **Tools > Board: > Boards Manager**...



4.
Scroll down to **Simblee Boards by Simblee**, and click on **Install**



5.
Confirm it is installed, as it should say **"INSTALLED"** next to the board name



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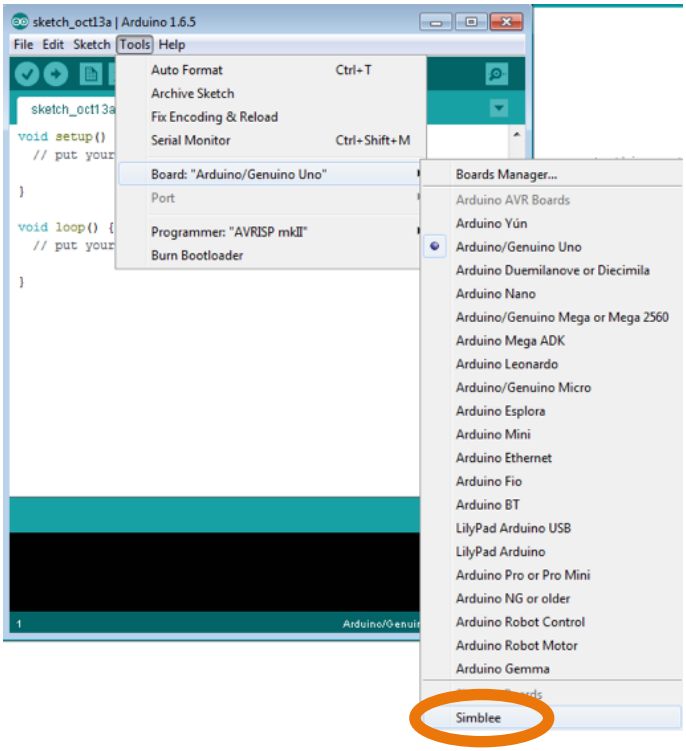
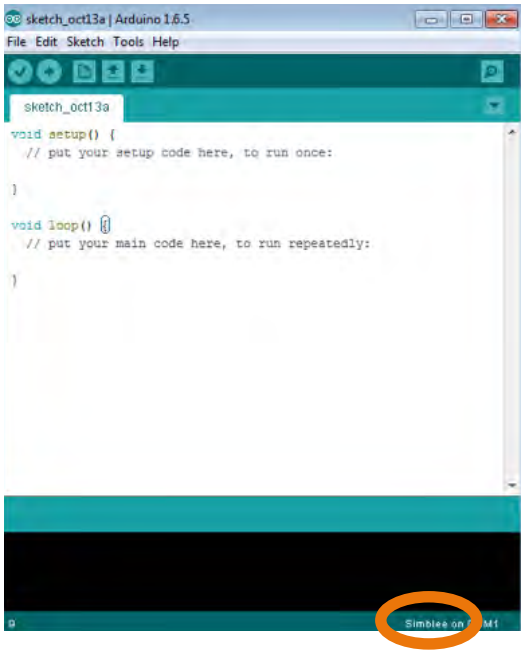
6.
Go to
Tools > Board: > Click on Simblee



7.
Bottom right of window should now say
Simblee



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Simblee USB Driver and COM port

For Windows

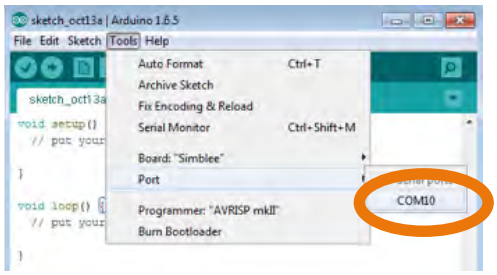
1.

Visit the following link to download and install the latest drivers for your system
http://www.ftdichip.com/Drivers/VCP.htm
Currently Supported VCP Drivers

		Processor Architecture							
Operrating system	Release Date	x86 (32-bit)	x64 (64-bit)	PPC	ARM	MIPSII	MIPSIV	SH4	Comments
Windows	2015-07-28	2.12.06	2.12.06	-	-	-	-	-	2.12.06 WHQL Certified Available as setup executable Release Notes
Linux	2009-05-14	1.5.0	1.5.0	-	-	-	-	-	All FTDI devices now supported in Ubuntu 11.10, kernel 3.0.0-19 Refer to TN-101 if you need a custom VCP VID/PID in Linux
Mac OS X 10.3 to 10.8	2012-08-10	2.2.18	2.2.18	2.2.18	-	-	-	-	Refer to TN-105 if you need a custom VCP VID/PID in MAC OS
Mac OS X 10.9 and above	2015-04-15	-	2.3	-	-	-	-	-	This driver is signed by Apple
Windows CE 4.2-5.2**	2015-04-15	1.1.0.20	-	-	1.1.0.20	1.1.0.20	1.1.0.20	1.1.0.20	-
Windows CE 6.0/7.0	2012-01-06	1.1.0.20 CE 6.0 CAT CE 7.0 CAT	-	-	1.1.0.20 CE 6.0 CAT CE 7.0 CAT	1.1.0.20 CE 6.0 CAT CE 7.0 CAT	1.1.0.20 CE 6.0 CAT CE 7.0 CAT	1.1.0.20 CE 6.0 CAT CE 7.0 CAT	For use of the CAT files supplied for ARM and x86 builds refer to AN_319
Windows CE 2013	2015-03-06	BETA	-	-	BETA	-	-	-	BETA VCP Driver Support for WinCE2013

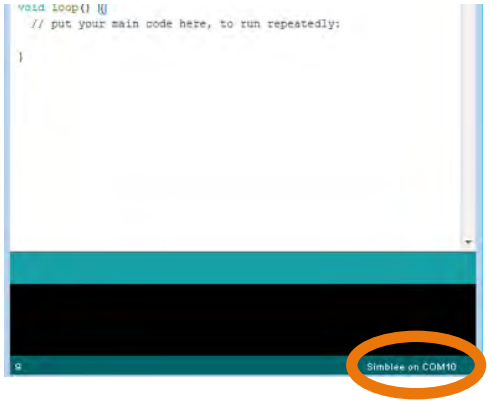
2.

Plug in your USB Programming Shield. With ArduinoIDE open, go to **Tools > Port** and select **COMXX** (XX is the number of the COM port your Simblee



3.

After selecting the COM port, at the bottom right of the Arduino IDE, it should not say "**Simblee on COMXX**"



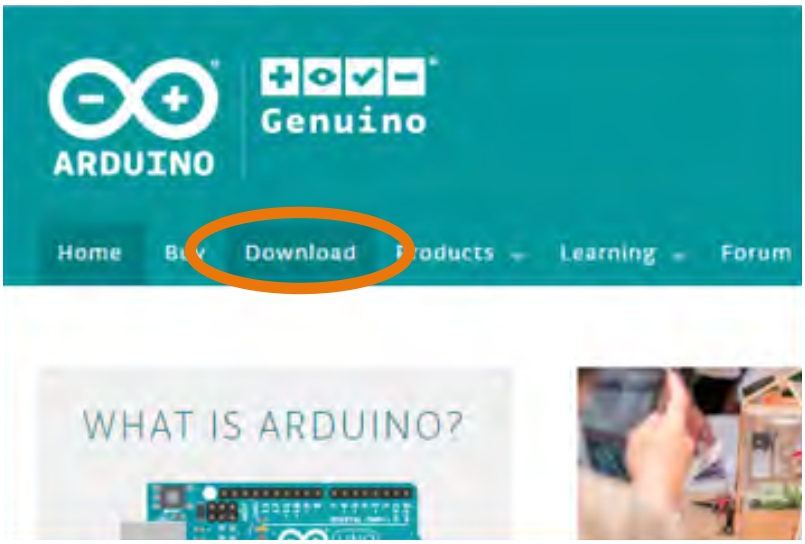
Simblee IDE Installation on Mac OS X

Installing Arduino IDE 1.6.5 / Installing Simblee Library / Simblee USB Driver Installation / Selecting COM port

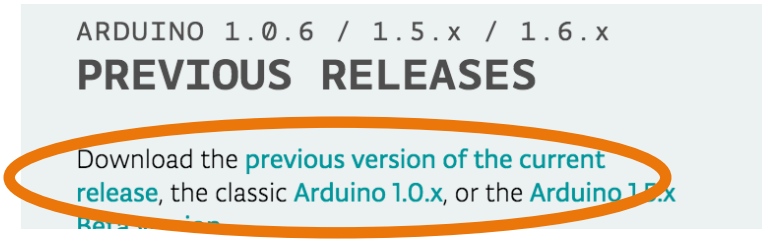
Installing Arduino IDE 1.6.5

For Mac OS X

1.
Visit Arduino.cc and click the **Download** tab at the top of the page

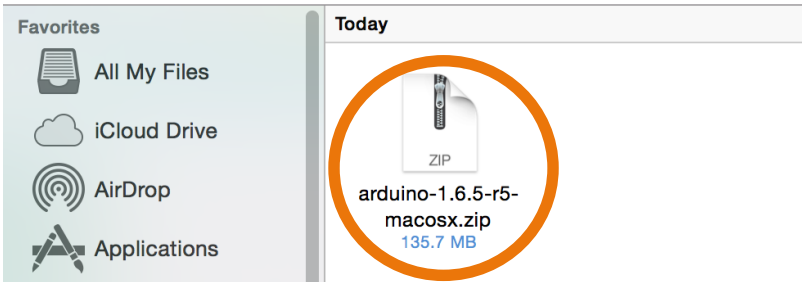


2.
Click on **previous version of the current release**

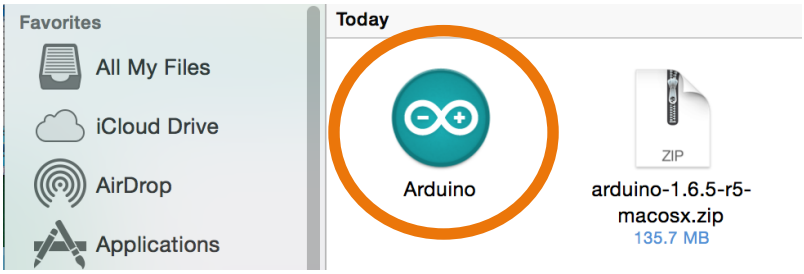


3.
Select Mac OS X installation

4.
Once the download is complete, double click arduino-1.6.5-r5-macosx.zip to unzip the file



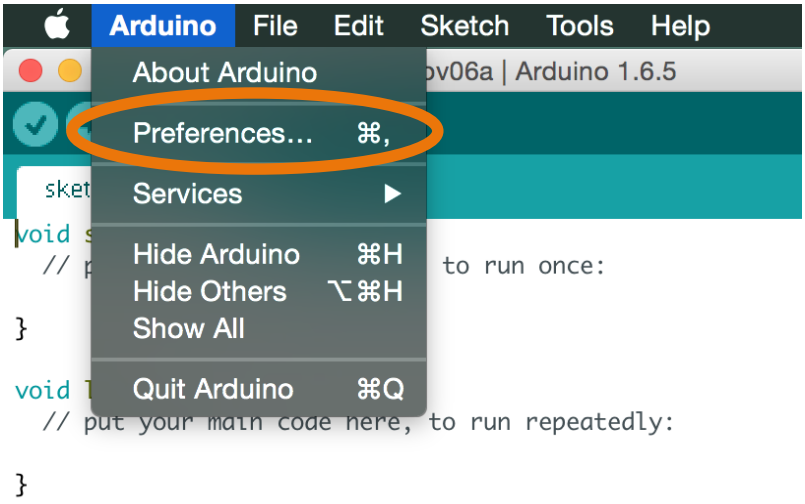
5.
ArduinoIDE is now on your system. You may move it to your applications if you wish to do so. Double click Arduino to start the IDE



Installing Simblee Library

For Mac OS X

1.
With the Arduino IDE open, click on Arduino > Preferences



2.
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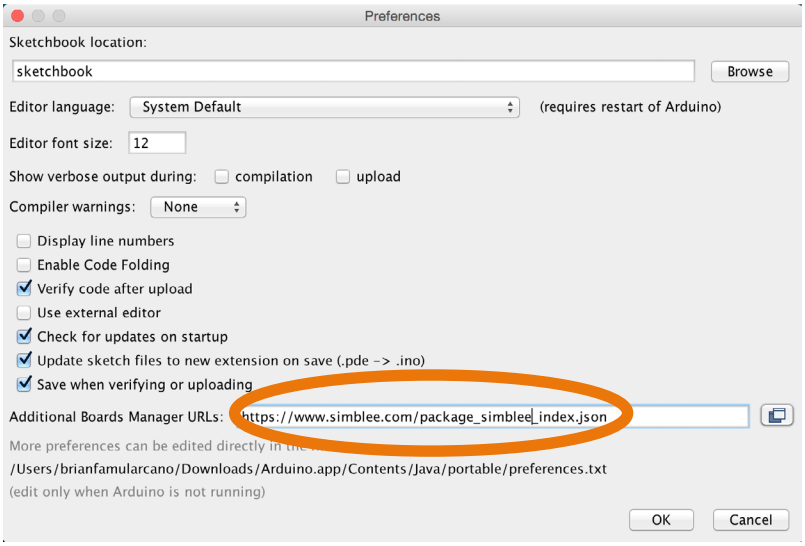
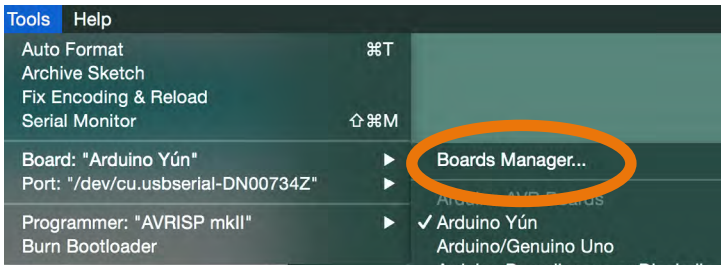
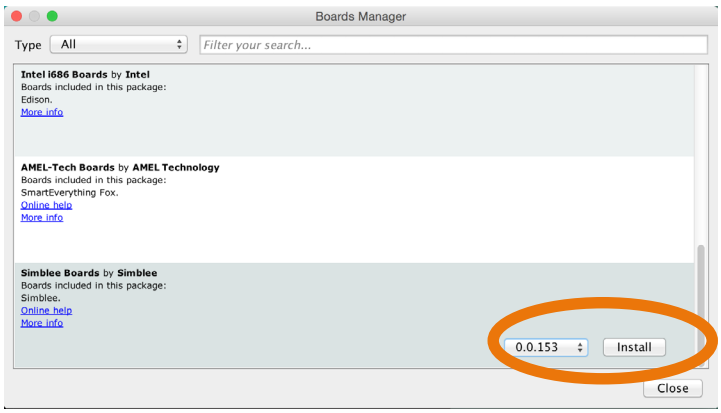
Additional Boards Manager URLs:
"https://www.simblee.com/package_simblee_index.json" then press "OK"



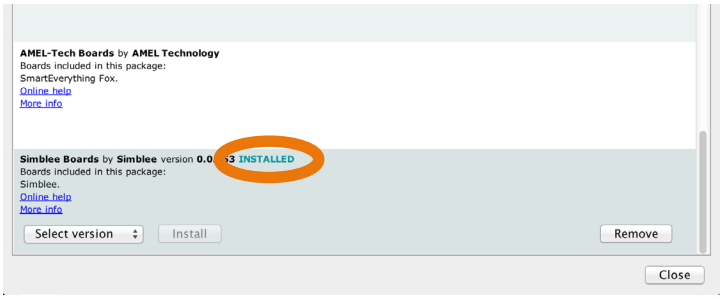
3.
Go to **Tools > Board: > Boards Manager**...



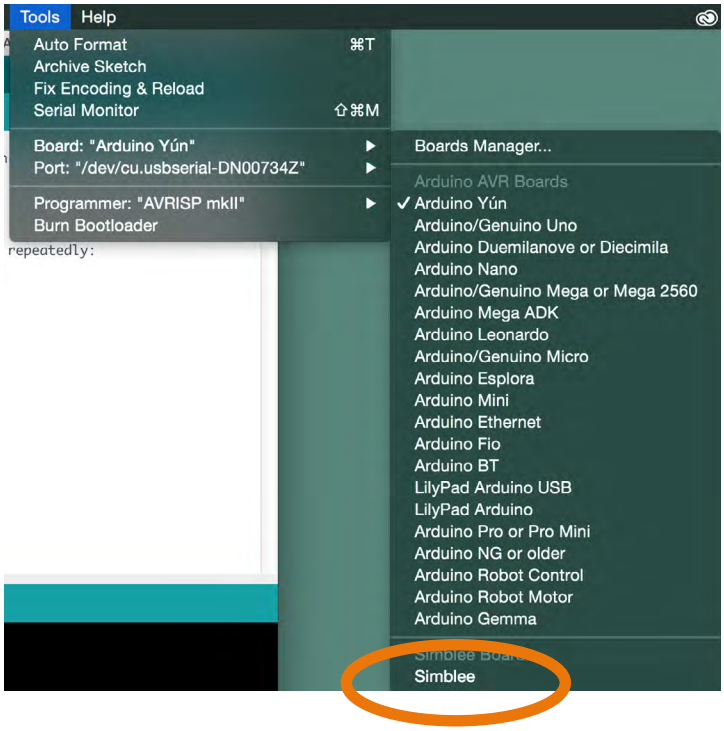
4.
Scroll down to **Simblee Boards by Simblee**, and click on **Install**



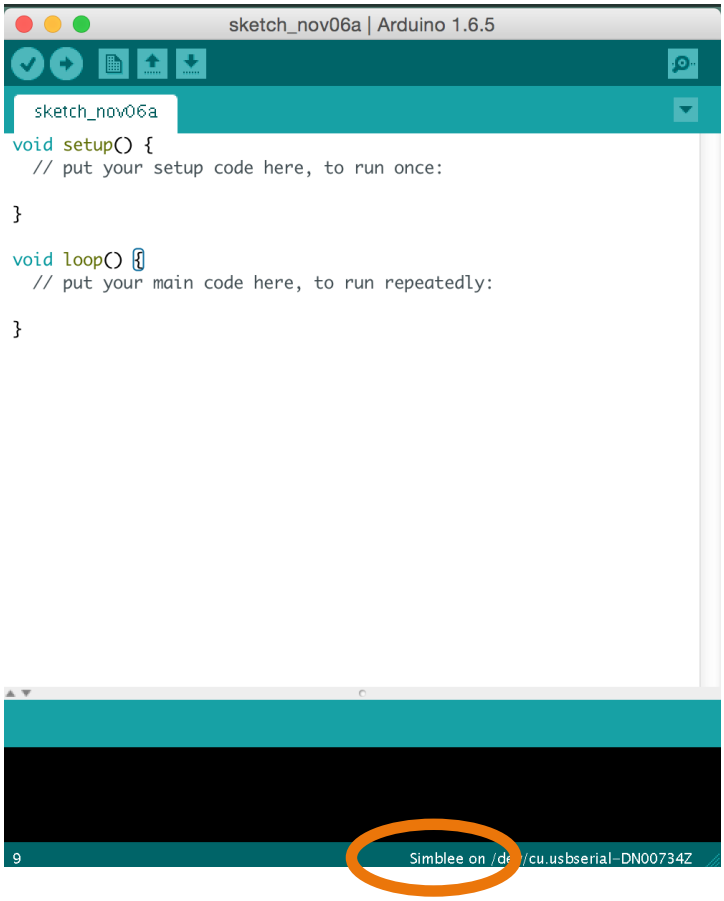
5.
Confirm it is installed, as it should say **"INSTALLED"** next to the board name



6.
Go to
Tools > Board: > Click on Simblee



7.
Bottom right of window should now say
Simblee



Simblee USB Driver and COM port

For Mac OS X

1.

Visit the following link to download and install the latest drivers for your system:
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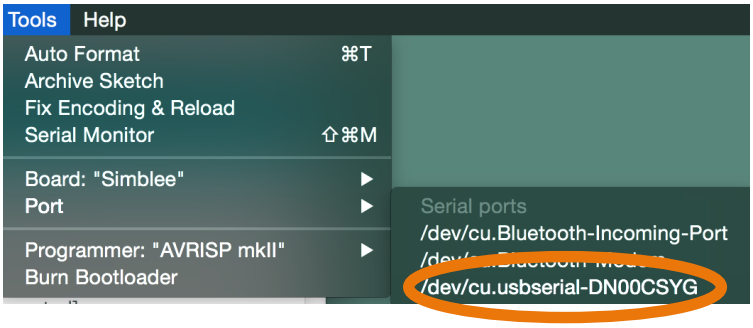
Currently Supported VCP Drivers

		Processor Architecture							
Operating system	Release Date	x86 (32-bit)	x64 (64-bit)	PPC	ARM	MIPSII	MIPSIV	SH4	Comments
Windows	2015-07-28	2.12.06	2.12.06	-	-	-	-	-	2.12.06 WHQL Certified Available as setup executable Release Notes
Linux	2009-05-14	1.5.0	1.5.0	-	-	-	-	-	All FTDI devices now supported in Ubuntu 11.10, kernel 3.0.0-19 Refer to TN-101 if you need a custom VCP VID/PID in Linux
Mac OS X 10.3 to 10.8	2012-08-10	2.2.18	2.2.18	2.2.18	-	-	-	-	Refer to TN-105 if you need a custom VCP VID/PID in MAC OS
Mac OS X 10.9 and above	2015-04-15		2.3		-	-	-	-	This driver is signed by Apple
Windows CE 4.2-5.2**	2015-04-15	1.1.0.20	-	-	1.1.0.20	1.1.0.20	1.1.0.20	1.1.0.20	-
Windows CE 6.0/7.0	2012-01-06	1.1.0.20 CE 6.0 CAT CE 7.0 CAT	-	-	1.1.0.20 CE 6.0 CAT CE 7.0 CAT	1.1.0.20 CE 6.0 CAT CE 7.0 CAT	1.1.0.20 CE 6.0 CAT CE 7.0 CAT	1.1.0.20 CE 6.0 CAT CE 7.0 CAT	For use of the CAT files supplied for ARM and x86 builds refer to AN_319
Windows CE 2013	2015-03-06	BETA	-	-	BETA	-	-	-	BETA VCP Driver Support for WinCE2013

2.

Plug in your USB Programming Shield. With ArduinoIDE open, go to **Tools > Port** and select the serial port your USB programming shield is conneted to **/dev/cu.usbserial-XXXXXXXX**

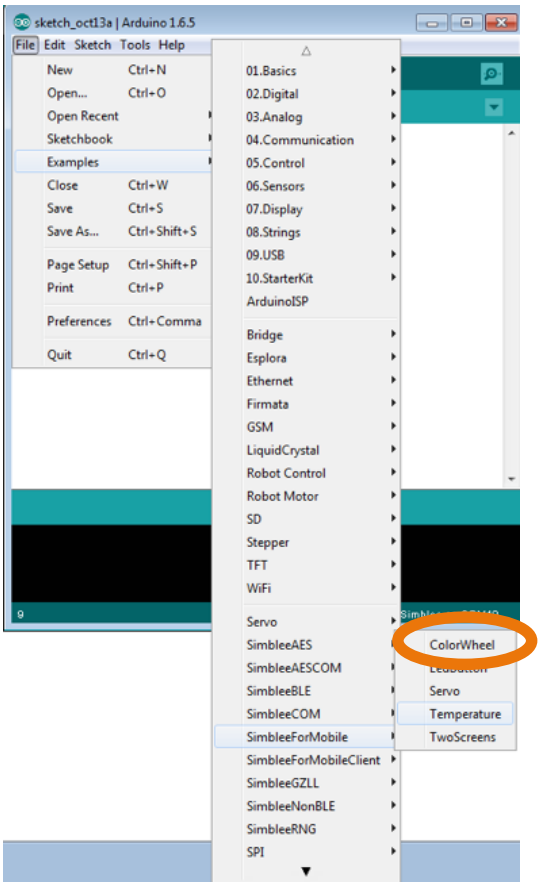


3.

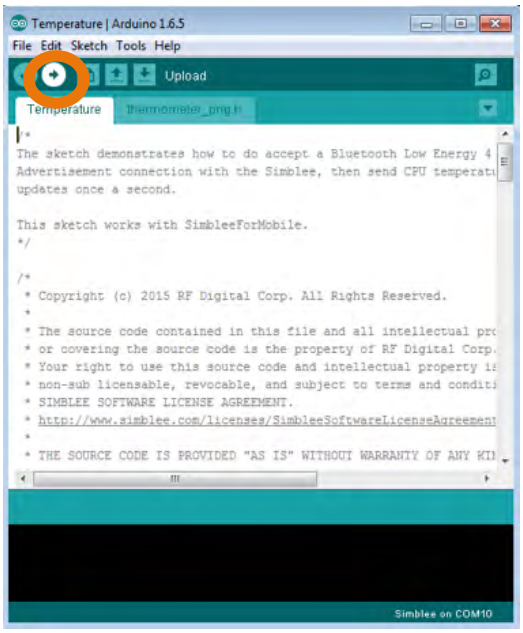
After selecting the serial port, at the bottom right of the Arduino IDE, it should say "**Simblee on /dev/cu.usbserial-XXXXXXXX**"

Programming Simblee

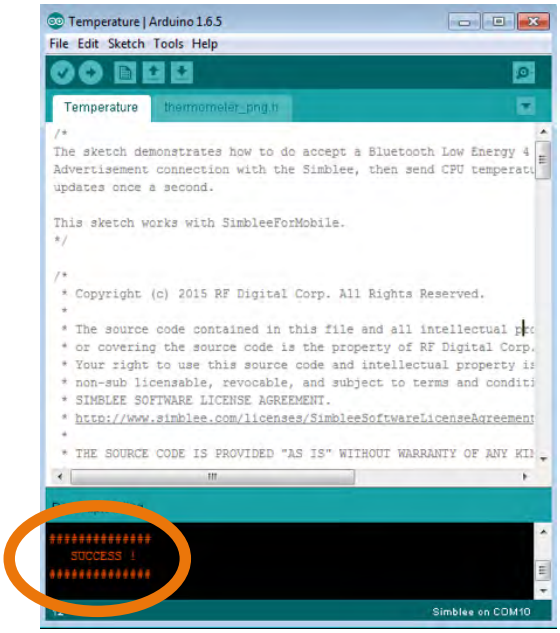
1.
Go to File > Examples >
SimbleeForMobile > Select Temperature



2.
A new window will pop up called
Temperature. Click on Upload
(Right Arrow Image)



3.
After uploading, the bottom window will display “SUCCESS”



Simblee For Mobile Installation and Use

Installing Simblee For Mobile

1. On your iOS device, open the AppStore
2. Search for “**Simblee For Mobile”**
3. Click on **INSTALL**
4. Simblee For Mobile should now be on your home screen
5. AppStore link to Simblee For Mobile:

https://itunes.apple.com/us/app/simblee-for-mobile/id1009048292?mt=8

Using Simblee For Mobile

1. Enable Bluetooth on your iOS device
2. Open Simblee For Mobile
3. A list of “Found Simblees” will appear. If you uploaded the Temperature sketch in the previous steps, you can select it from the list and it will generate an interface based on the Temperature sketch
4. The temperature sketch displays a dynamic graphic along with the temperature reading of the Simblee internal sensor