Simblee
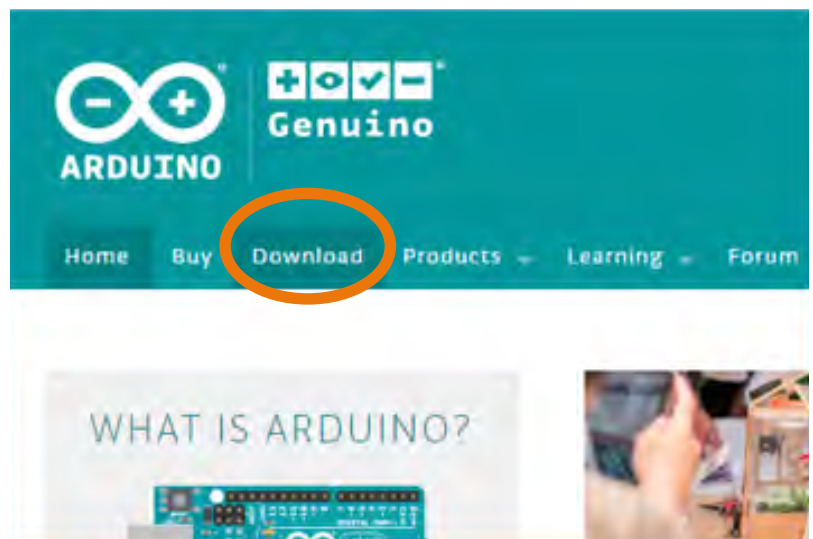# Quickstart Guide V1.1.0

Simblee IDE Installation for Windows

Installing Arduino IDE 1.6.6 or newer / Installing Simblee Library /
Simblee USB Driver and COM port

Installing Arduino IDE 1.6.6 or newer
For Windows

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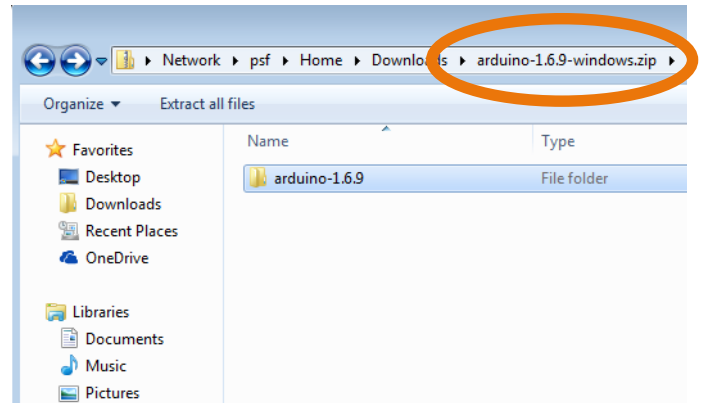the Download tab at the top
of the page

2.
We recommend Arduino 1.6.9.
Select Windows ZIP for non admin
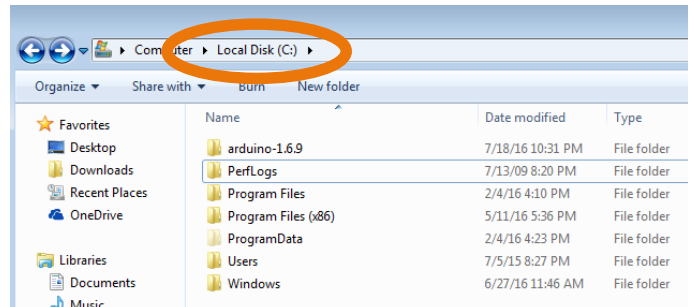installation

3.

After downloading, you will have
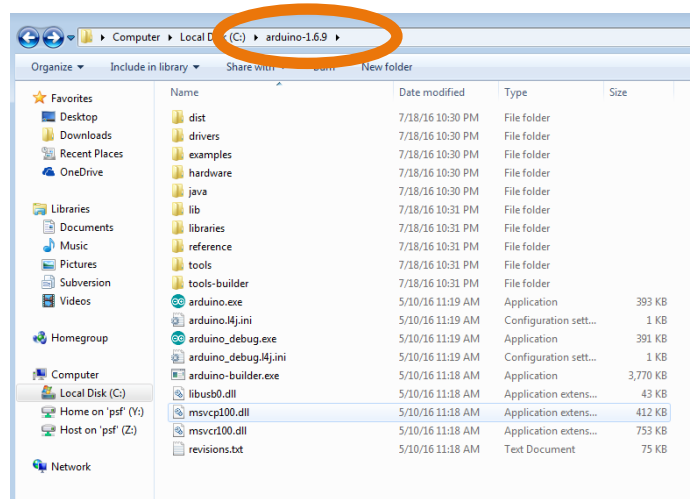a ZIP file called
'arduino-1.6.9.zip'

4.

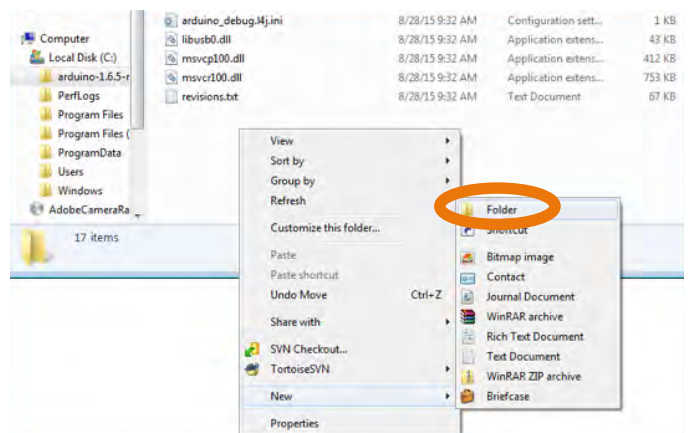Extract the folder 'arduino-1.6.9.zip' to your
root directory
(C:\\ for example)
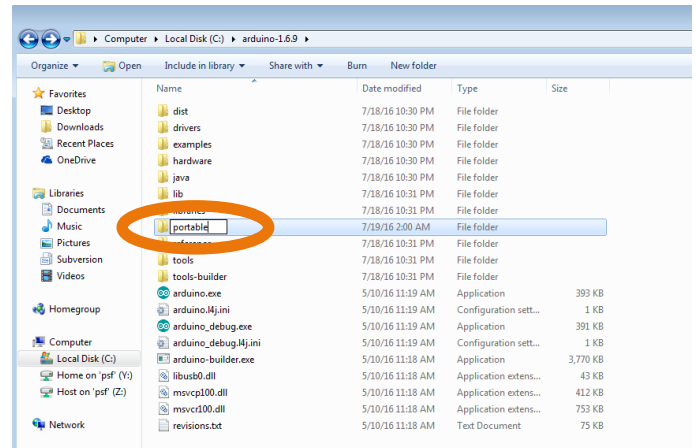

5.

Open the folder arduino-1.6.9

6.

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

Simblee™
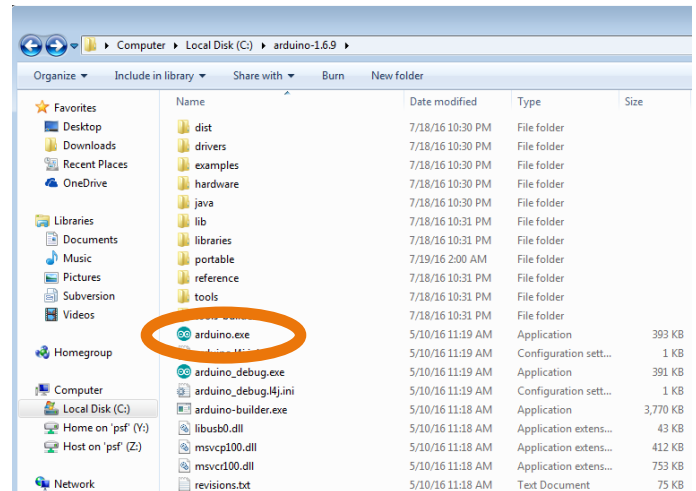Connecting Everyone and Everything

7.

Name the new folder "portable". This folder is necessary to keep previous installs from affecting future revisions.

8.

Launch Arduino.exe
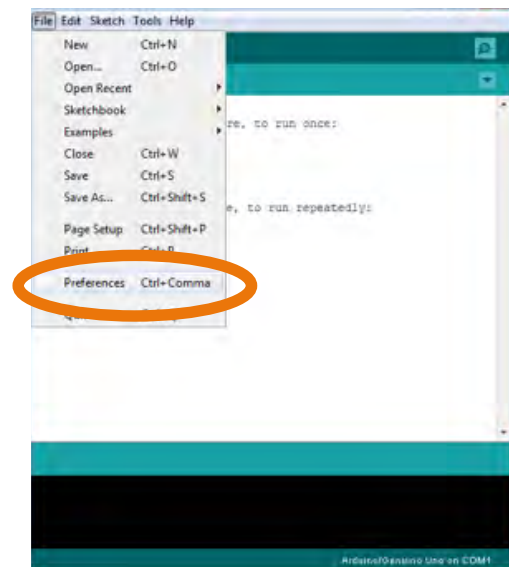
Installing Simblee Library
For Windows

1.

With the Arduino IDE open, click on File > Preferences

Simblee™
Connecting Everyone and Everything

2.

Copy and Paste the following link into
Additional Boards Manager URLs:

https://www.simblee.com/package_simblee166_index.json
then press "OK"

3.

Go to Tools > Board: > Boards Manager…

4.

Scroll down to Simblee Boards
by Simblee, choose the recent release 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
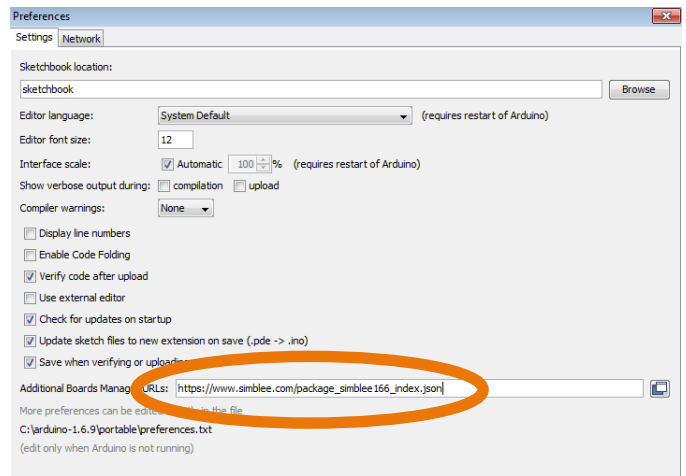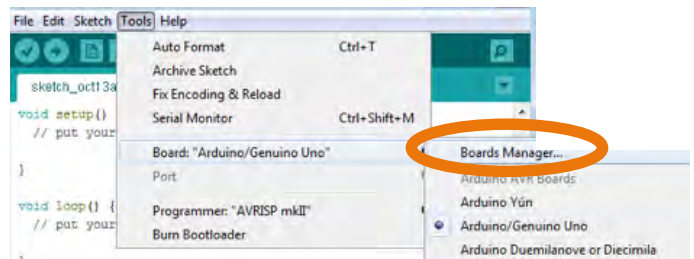
Simblee™
Connecting Everyone and Everything

Simblee USB Driver and COM port
For Windows

1.
Visit the following link to download and install the latest drivers for your system
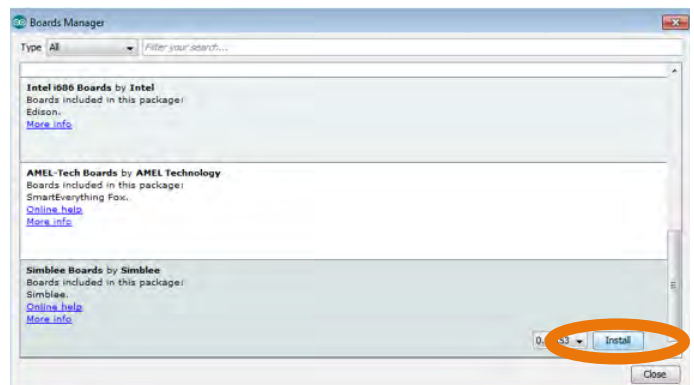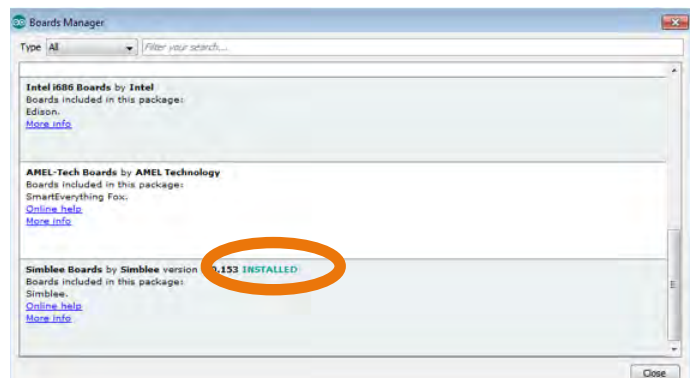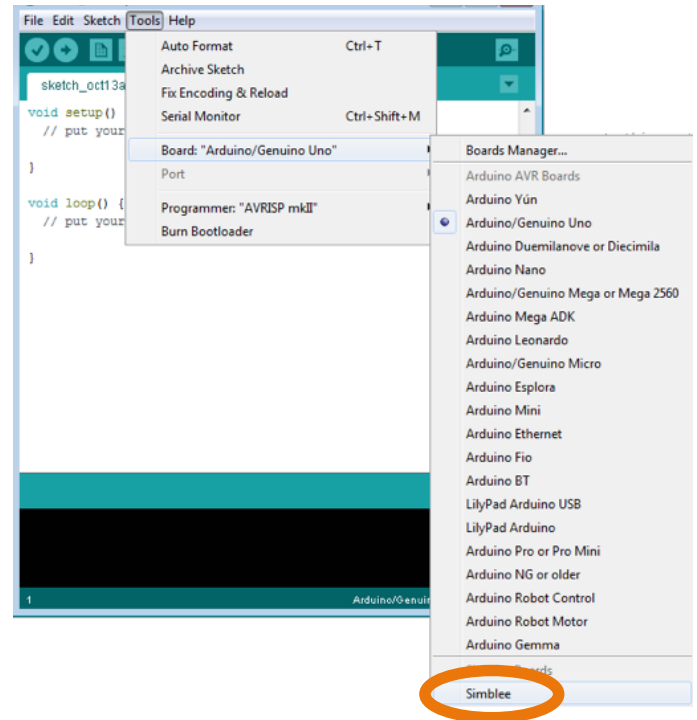http://www.ftdichip.com/Drivers/VCP.htm
Currently Supported VCP Drivers

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

Header: Processor Architecture spans x86, x64, PPC, ARM, MIPSII, MIPSIV, SH4

2.
Plug in your USB Programming Shield. With Arduino IDE open, go to Tools > Port and select COMXX (XX is the number of the COM port your Simblee is connected to)
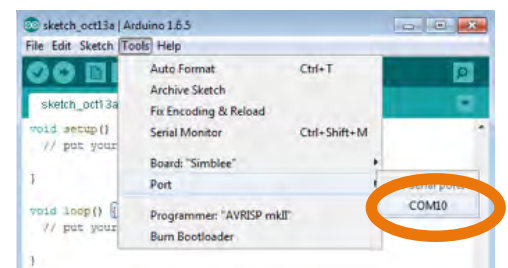
3.
After selecting the COM port, at the bottom right of the Arduino IDE, it should now say "Simblee on COMXX"

Simblee™
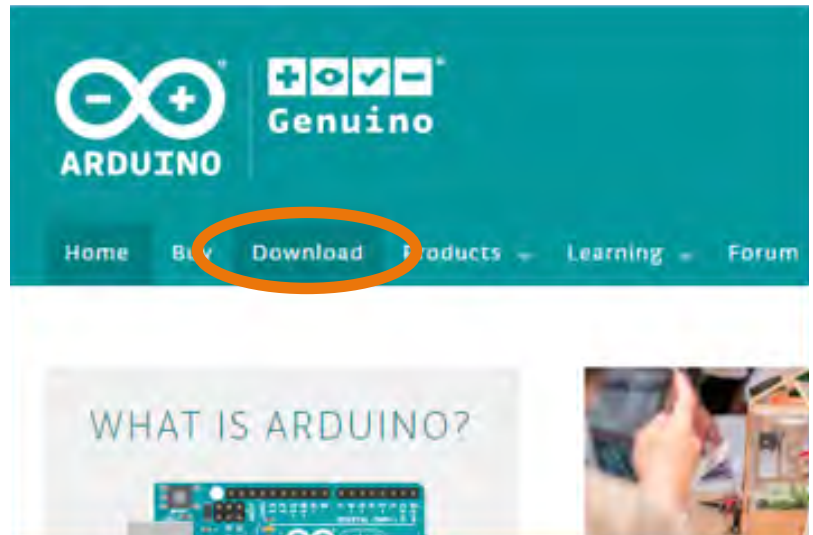Connecting Everyone and Everything

Installing Arduino IDE 1.6.6 or newer / Installing Simblee Library / Simblee USB Driver and COM port

Installing Arduino IDE 1.6.6 or newer
For Mac OS X

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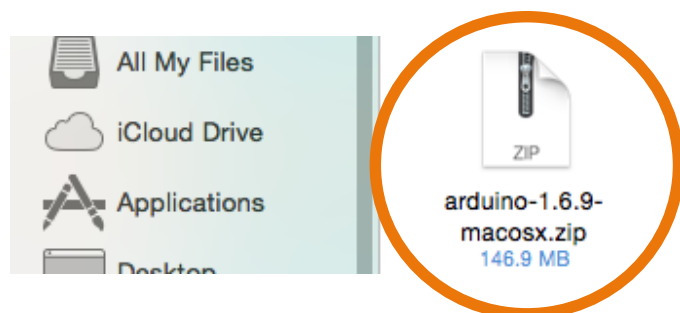Visit Arduino.cc and click the Download tab at the top of the page

2.
Select
"Mac OS X 10.7 Lion or newer"

3.
Once the download is complete, double click
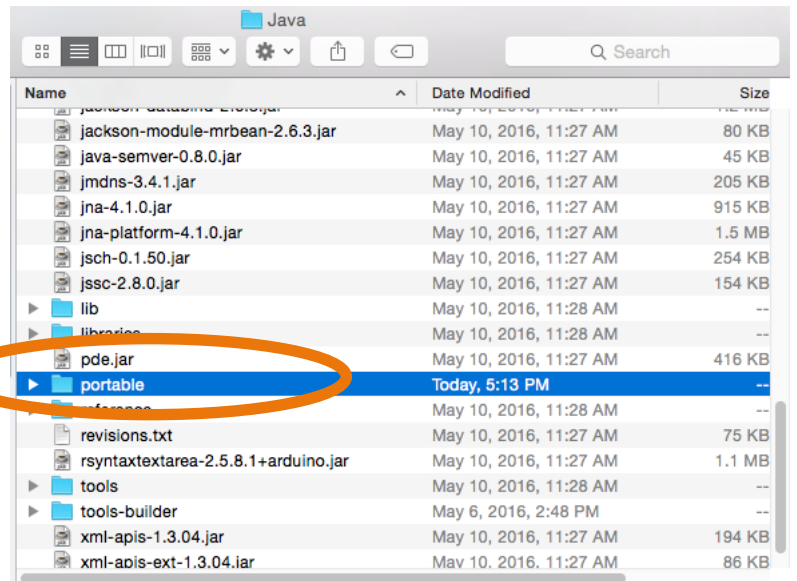arduino-1.6.9-macosx.zip
to unzip the file

4.
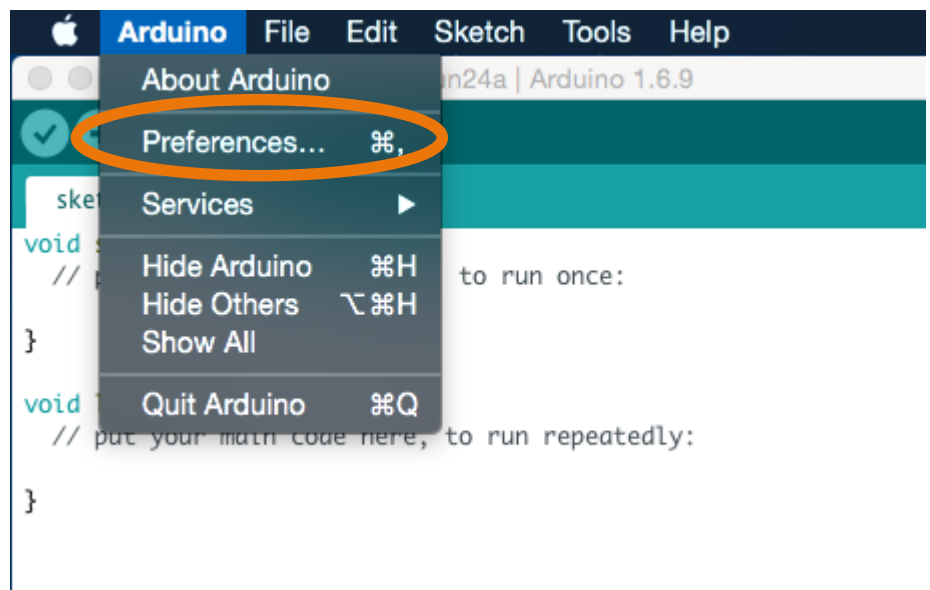Arduino IDE is now on your system. You may move it to your applications if you wish to do so.

5.
Create a "portable" directory within the '/Applications/Arduino.app/Contents/ Java/' This folder is necessary to keep previous installs from affecting future revisions.

Installing Simblee Library
For Mac OS X

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

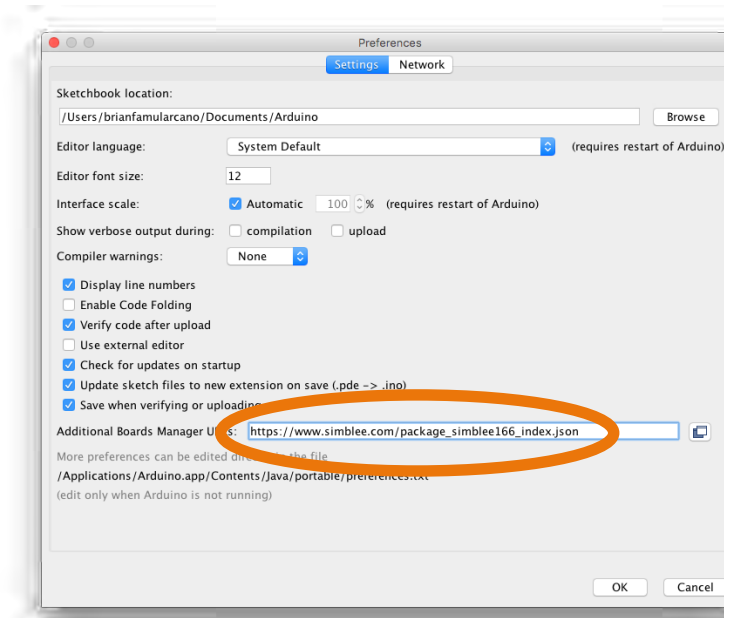**2.**

Copy and Paste the following link into Additional Boards Manager URLs:

https://www.simblee.com/package_simblee166_index.json

then press "OK"

3.

Go to Tools > Board: > Boards Manager…

4.

Scroll down to Simblee Boards by Simblee, choose the recent release 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.
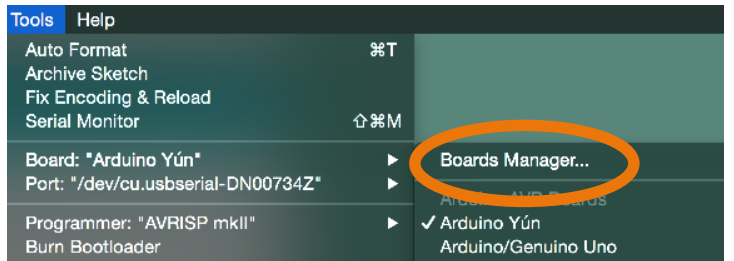
Bottom right of window should now say
Simblee

Simblee™
Connecting Everyone and Everything

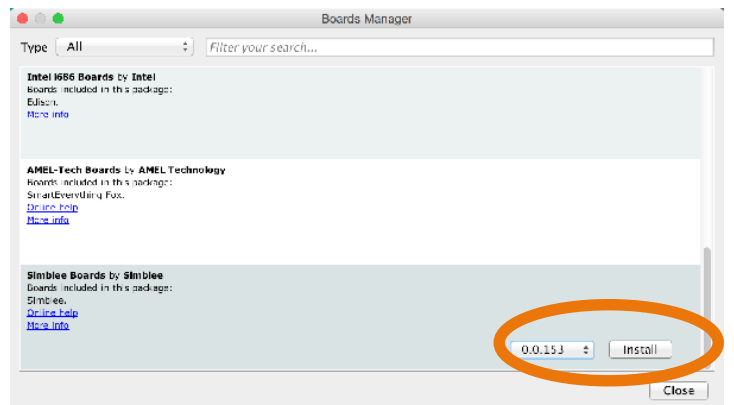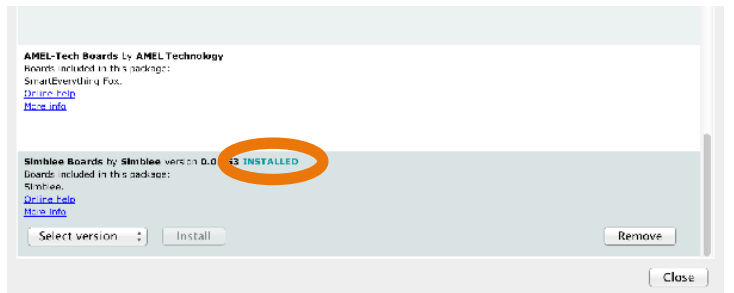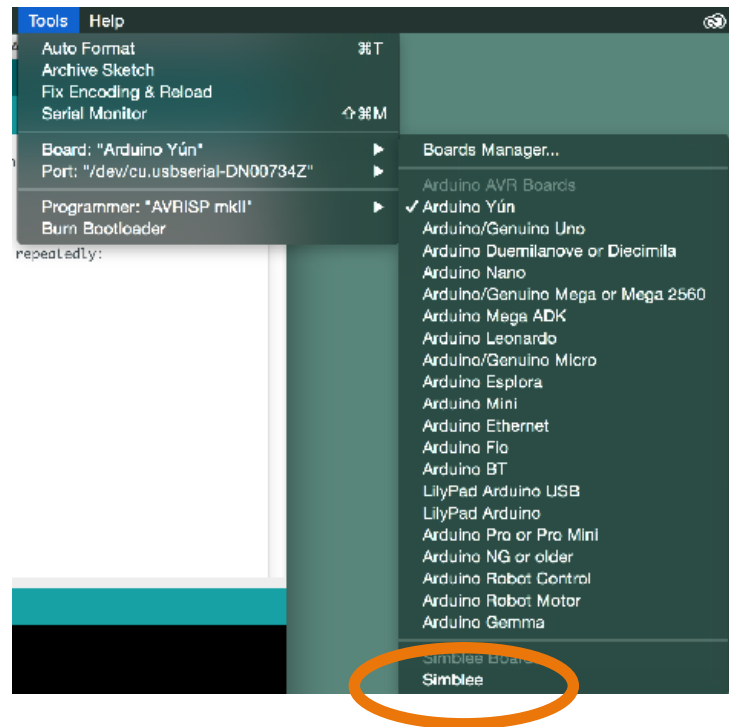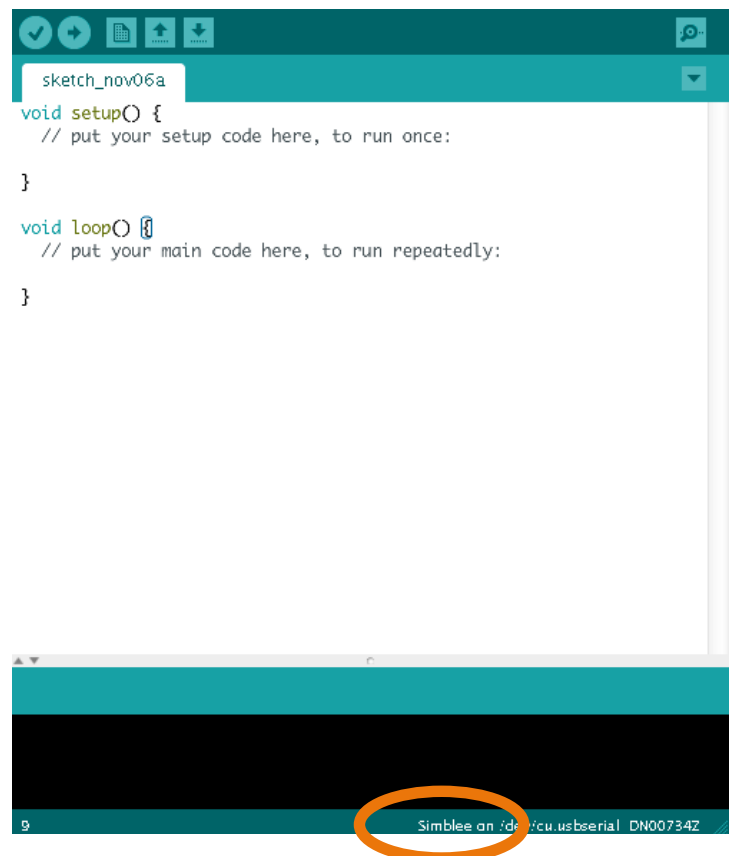# Simblee USB Driver and COM port
For Mac OS X

1.
Visit the following link to download and install the latest drivers for your system:
http://www.ftdichip.com/Drivers/VCP.htm

Currently Supported VCP Drivers

Operrating system	Release Date	x86 (32-bit)	x64 (64-bit)	PPC	ARM	MIPSII	MIPSIV	SH4	Comments
			Processor Architecture						
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 Arduino IDE open, go to Tools > Port and select the serial port your USB Programming Shield is connected to /dev/cu.usbserial-XXXXXXXX
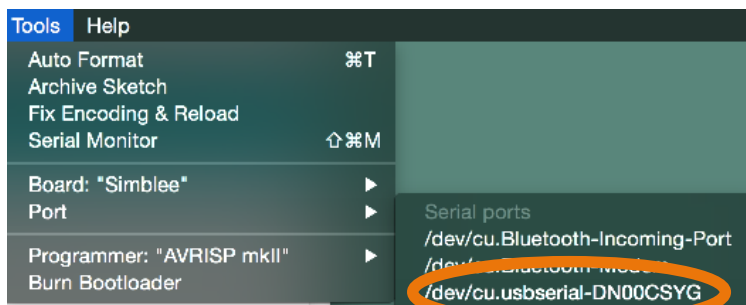
3.
After selecting the serial port, at the bottom right of the Arduino IDE, it should say "Simblee on /dev/cu.usbserial-XXXXXXXX"
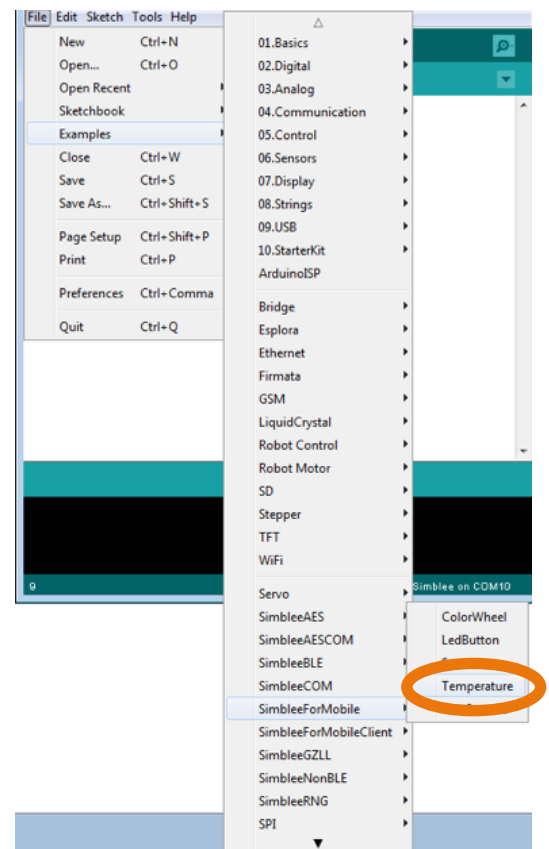
Programming Simblee

1.
With your USB Programming Shield plugged into a USB port, stack the Simblee module shield onto the Programming Shield by aligning the pins with their corresponding headers. We can now program the Simblee.
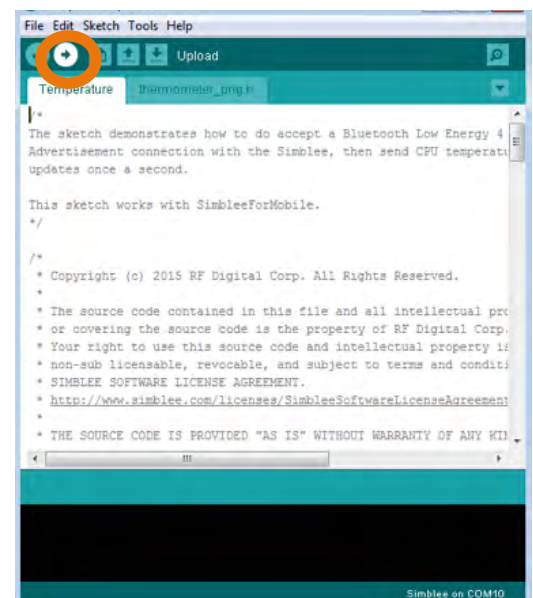
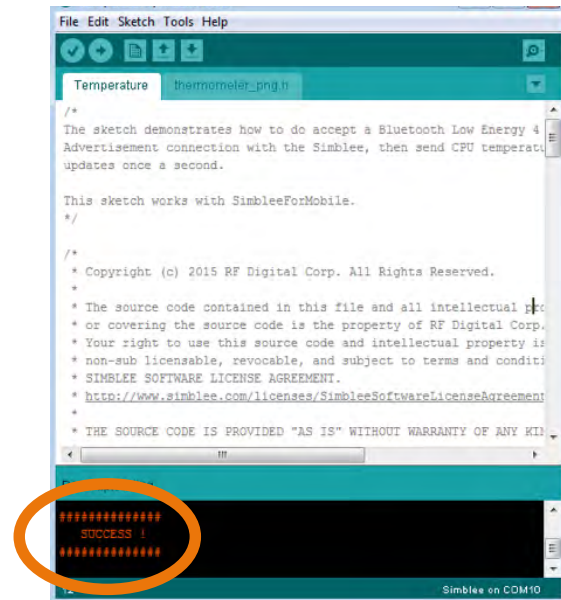Go to File > Examples > SimbleeForMobile > Select Temperature

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
For iOS

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 available in your list of apps
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

Simblee For Mobile Installation and Use
For Android

Installing Simblee For Mobile
1. On your Android device, open Google Play Store
2. Search for "Simblee For Mobile"
3. Click on INSTALL
4. Simblee For Mobile should now be available in your list of apps
5. Google Play Store link to Simblee For Mobile:

https://play.google.com/store/apps/details?id=com.simblee.simbleeformobile

Using Simblee For Mobile
1. Enable Bluetooth on your Android 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