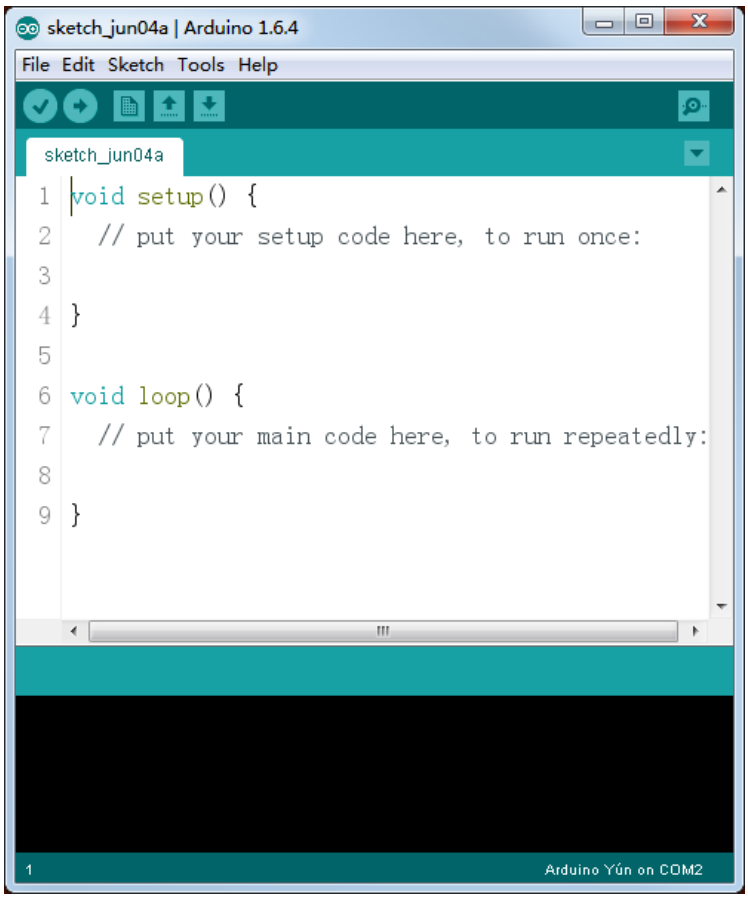
Install nRF8001 libraries for BLE Shield / Blend / BlendMicro Using Arduino Library Manager

Last updated: 06/05/2015

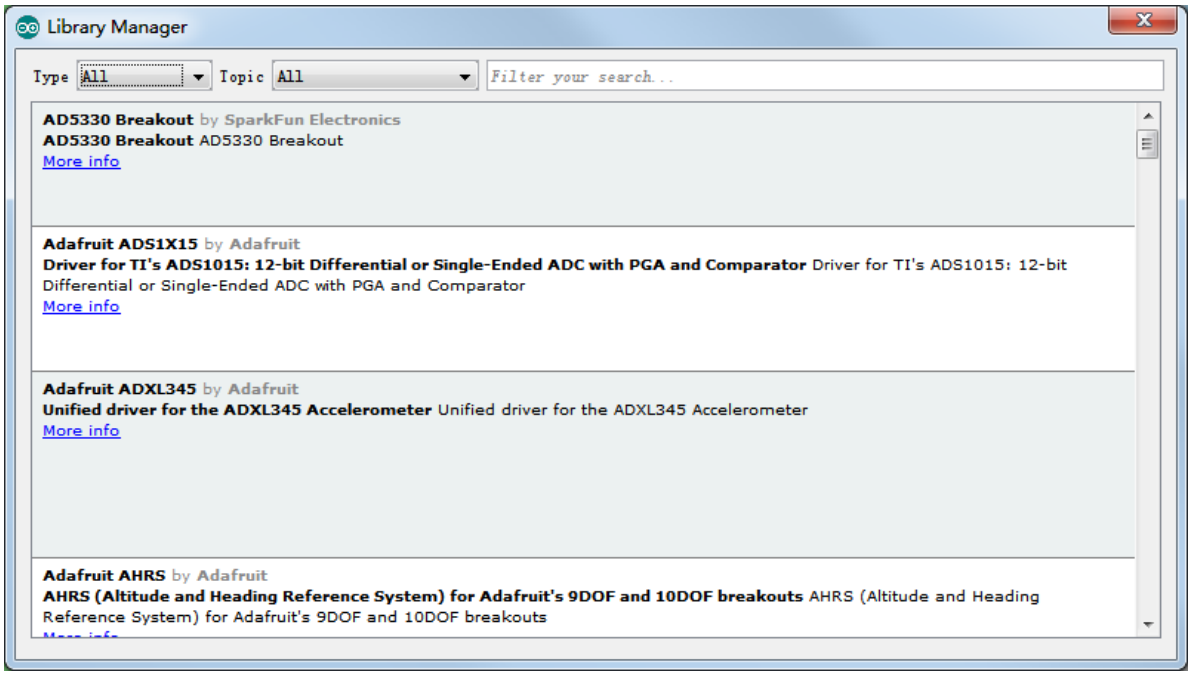
Step 1

Go to Arduino official website to obtain the Arduino IDE 1.6.4 or above version and install it on your PC. After installation complete, start the Arduino IDE.

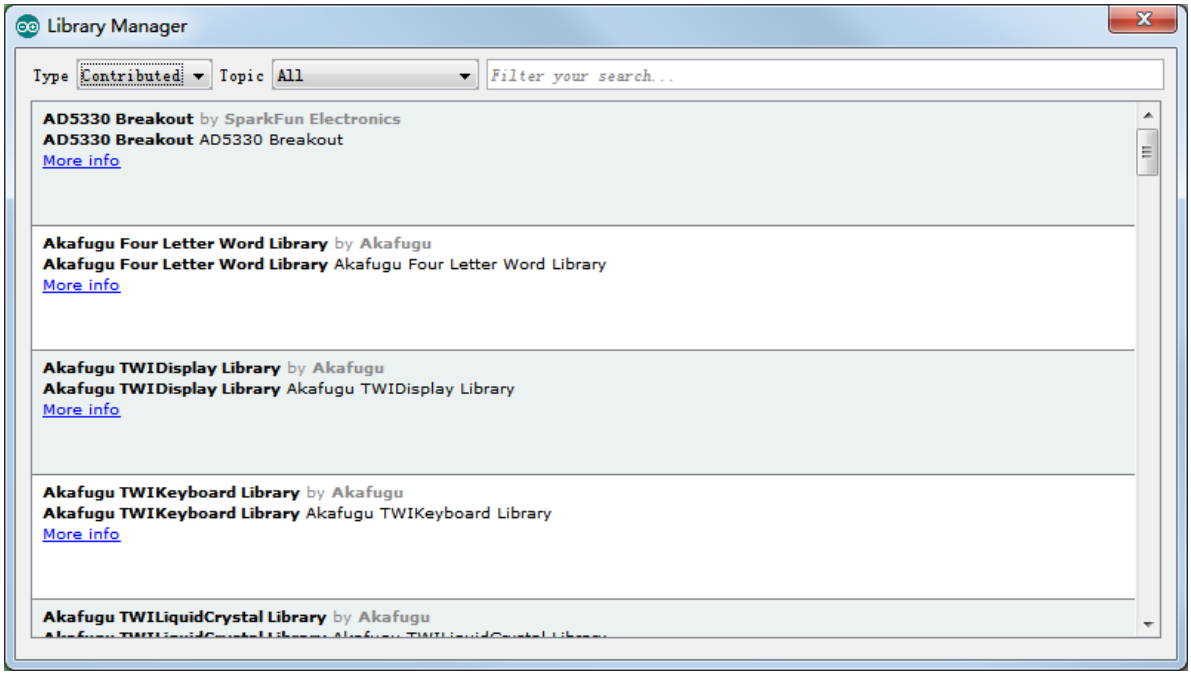


Step 2

Navigate to **"Sketch > Include Library > Manage Libraries..."** to open the Library Manager window.



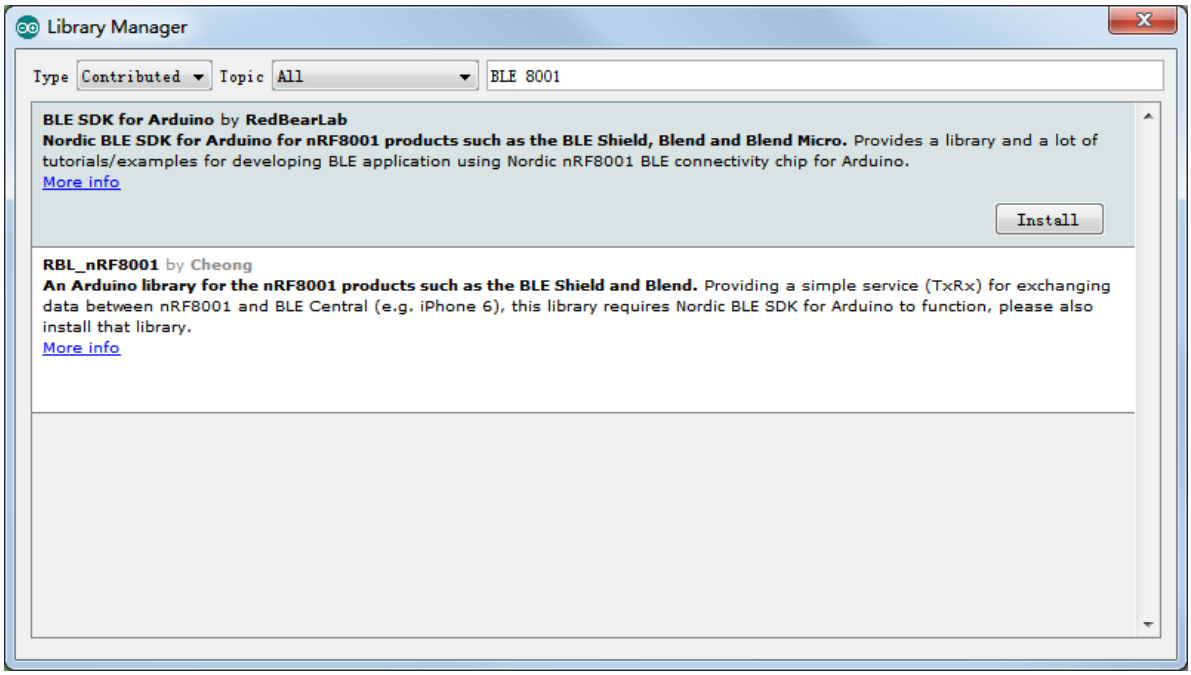
Sort the contributed libraries by selecting the type as **"Contributed"** on the left-top corner of the window. It lists all the contributed libraries those are available to be installed or have been installed.



Step 3

Type in the key words, e.g. "BLE 8001", in the search input field to fast filter the libraries associated the key words. Here we need to install two libraries: **"BLE SDK for Arduino"** and **"RBL_nRF8001"**.

The library dependency is: YourSketch.ino -> RBL_nRF8001 library -> BLE SDK for Arduino library. Also you can use the "BLE SDK for Arduino" library directly, since it also provide lots of examples in the library, but the "RBL_nRF8001 "library provides more simple BLE APIs and examples to make you have a better experience.

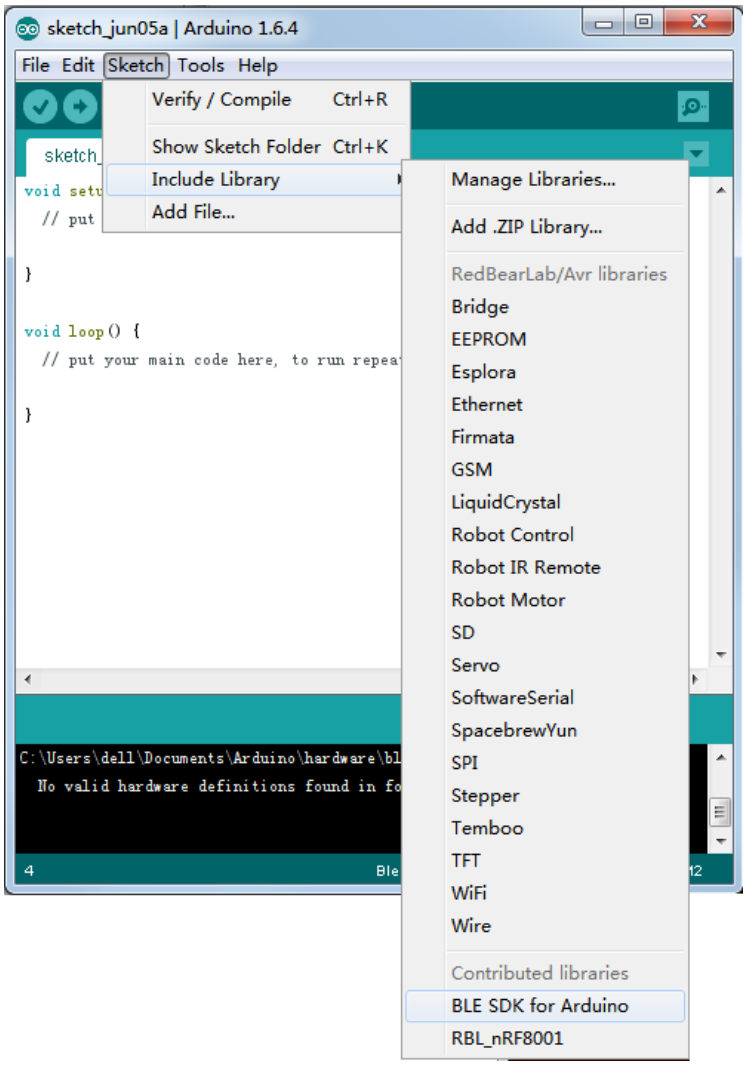


Select these two libraries and click on the **"Install"** button to download and install them onto Arduino IDE. For Windows users, the installed libraries usually under **"C:\Users\"user_name">\Documents\Arduino\libraries"**. You can delete specified installed library under the "libraies" folder to uninstall them.

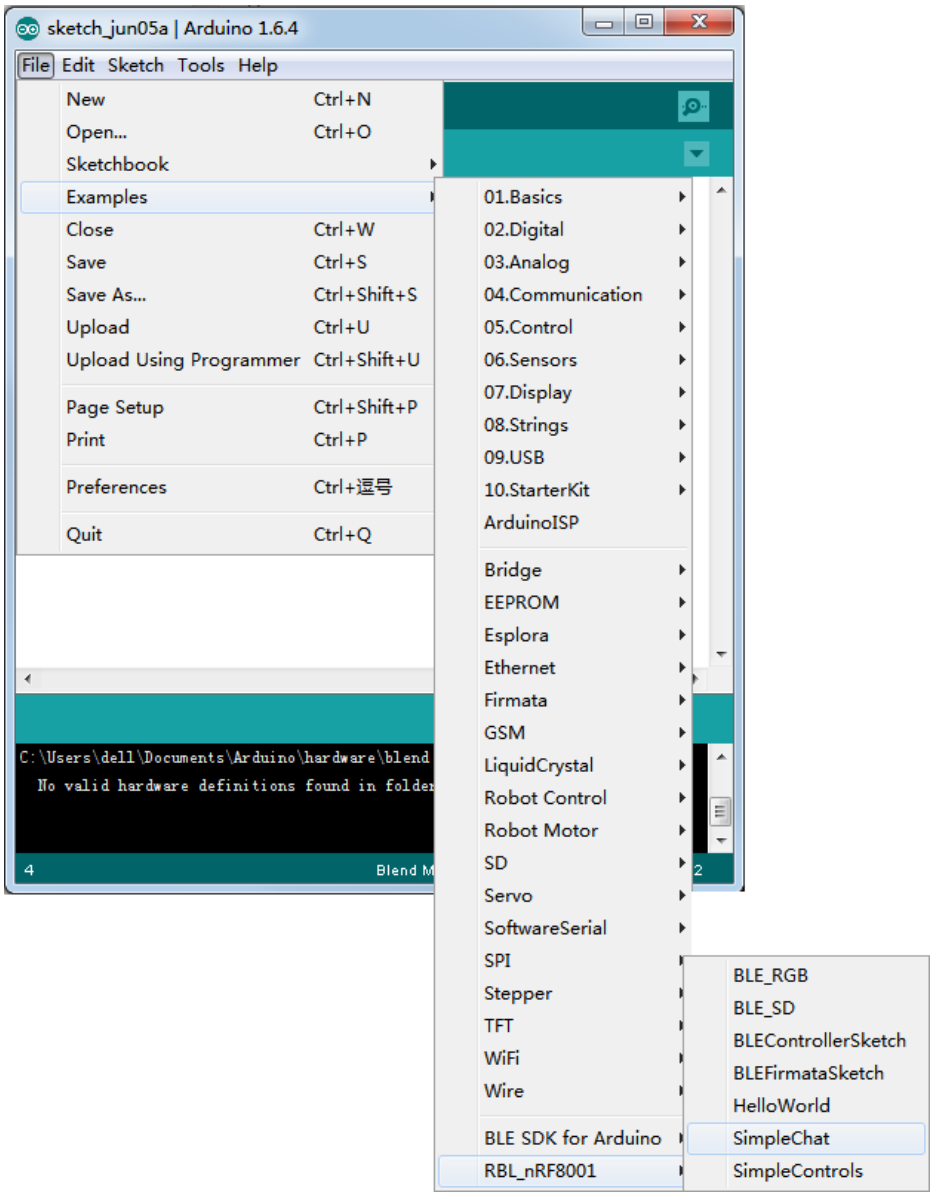
After the installation progress completed, close the Library Manager window.

Step 4

Navigate to **"Sketch > Include Library"**, you will see these two libraries have been installed onto Arduino IDE.



Now you can open an example that under these libraries by navigating to **"File > Examples > BLE SDK for Arduino"** or **"File > Examples > RBL_nRF8001"**.


sketch_jun05a | Arduino 1.6.4
File Edit Sketch Tools Help
New Ctrl+N
Open... Ctrl+O
Sketchbook
Examples
Close Ctrl+W
Save Ctrl+S
Save As... Ctrl+Shift+S
Upload Ctrl+U
Upload Using Programmer Ctrl+Shift+U
Page Setup Ctrl+Shift+P
Print Ctrl+P
Preferences Ctrl+逗号
Quit Ctrl+Q
01.Basics
02.Digital
03.Analog
04.Communication
05.Control
06.Sensors
07.Display
08.Strings
09.USB
10.StarterKit
ArduinoISP
Bridge
EEPROM
Esplora
Ethernet
Firmata
GSM
LiquidCrystal
Robot Control
Robot Motor
SD
Servo
SoftwareSerial
SPI
Stepper
TFT
WiFi
Wire
BLE SDK for Arduino
RBL_nRF8001
BLE_RGB
BLE_SD
BLEControllerSketch
BLEFirmataSketch
HelloWorld
SimpleChat
SimpleControls
C:\Users\dell\Documents\Arduino\hardware\blend
No valid hardware definitions found in folder
4
Blend M
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