Tutorial on How to Compile CuHead Sample Code for Arduino Uno

07/2012

CuteDigi.com

CuHead is LinkSprite's WiFi Shield for Arduino. It can be ordered from:

http://www.cutedigi.com/wireless/wifi/linksprite-cuhead-wifi-shield-v2-0-for-arduino.html

In this short tutorial, we are going to cover how to compile the Cuhead Sample program for Arduino Uno board.

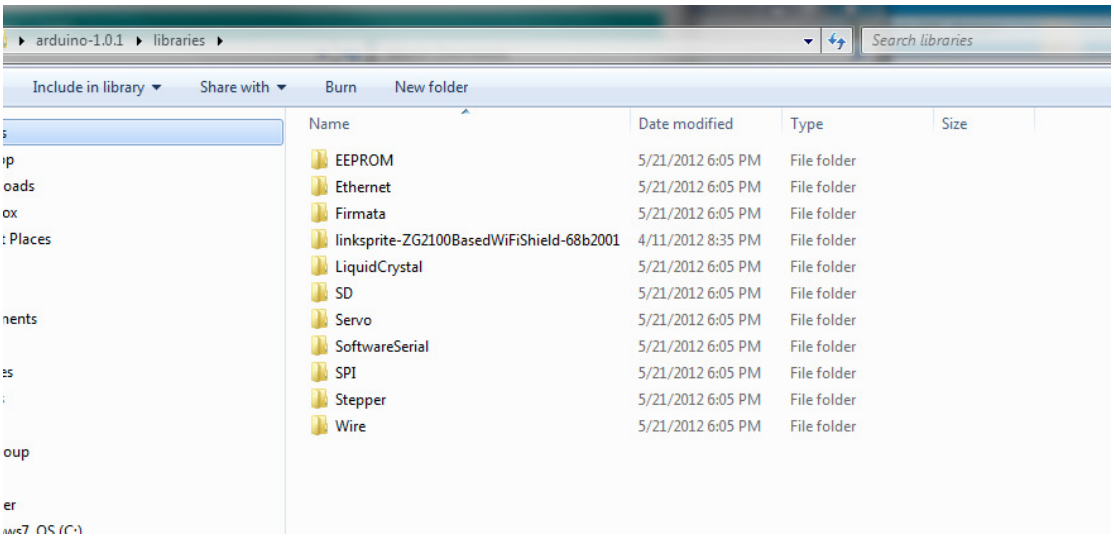
First, we need to download the Arduino IDE from www.arduino.cc.

We download Arduino 1.0.1.

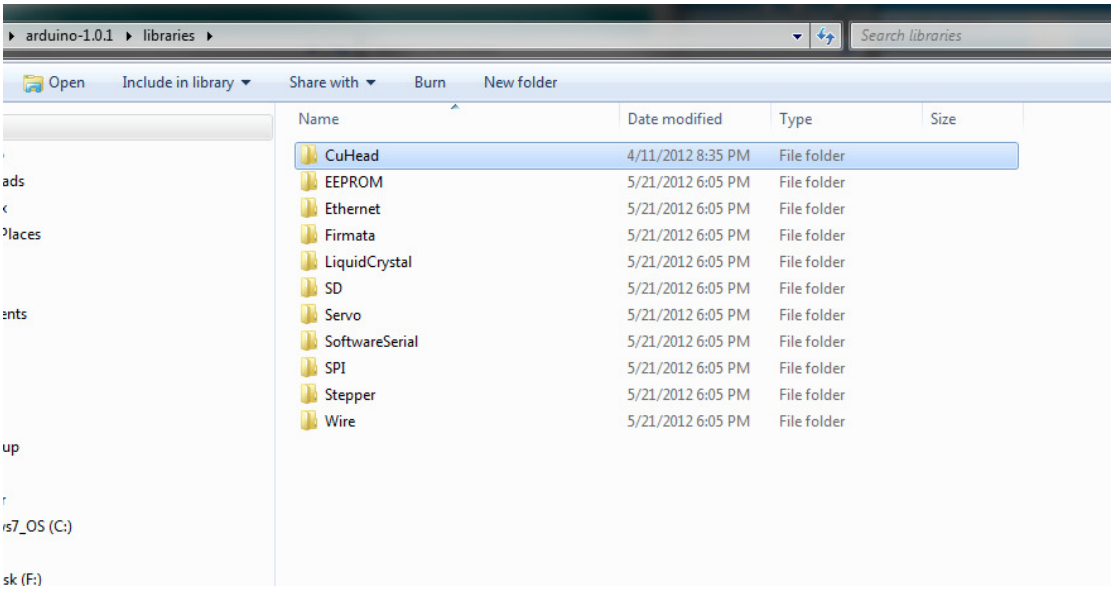
In next step, we download CuHead library from:

https://github.com/linksprite/ZG2100BasedWiFiShield/zipball/master

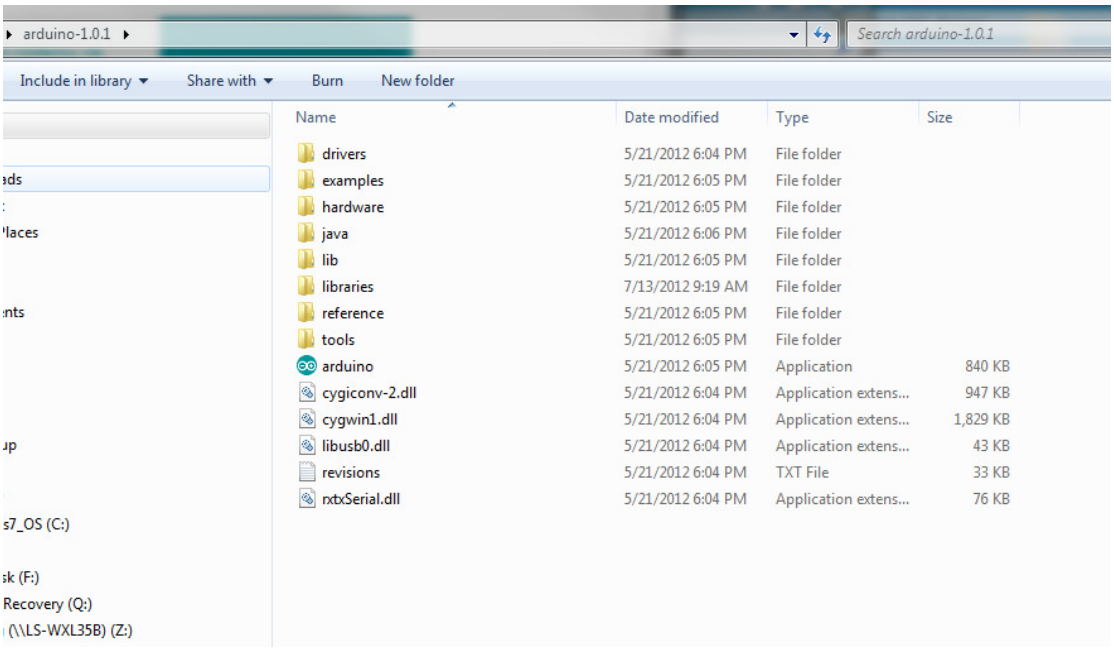
Unzip the zipball to the "arduino-1.0.1\libraries":



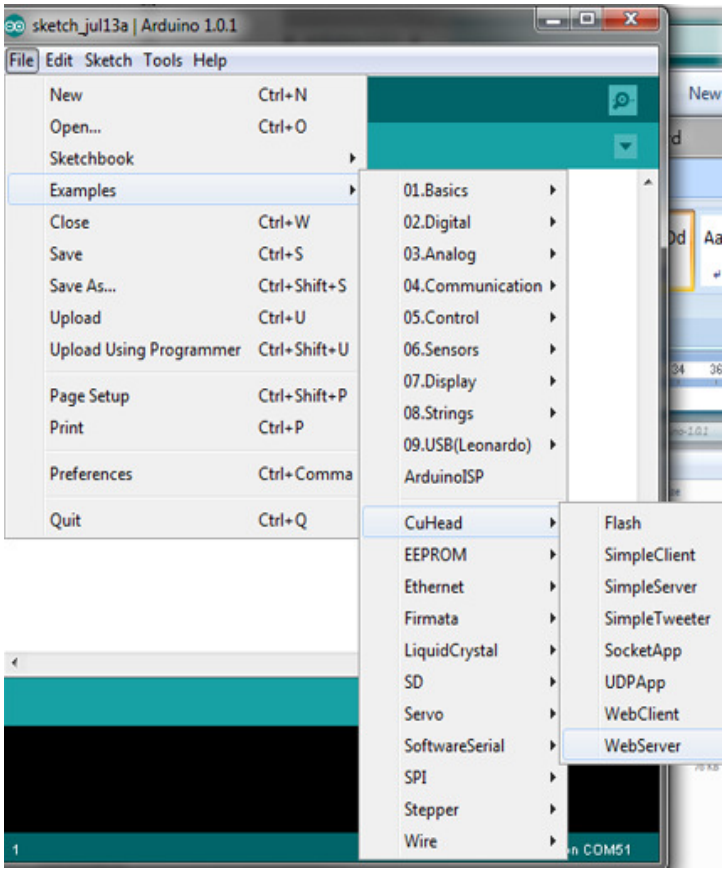
As Arduino doesn't recognize the directory name, please rename it to CuHead:



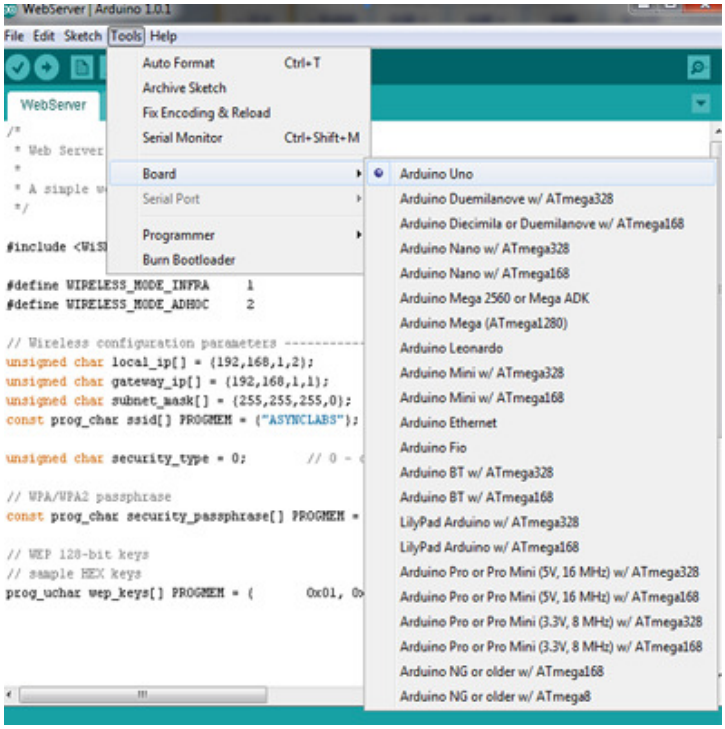
Launch Arduino by double click "arduino" below:



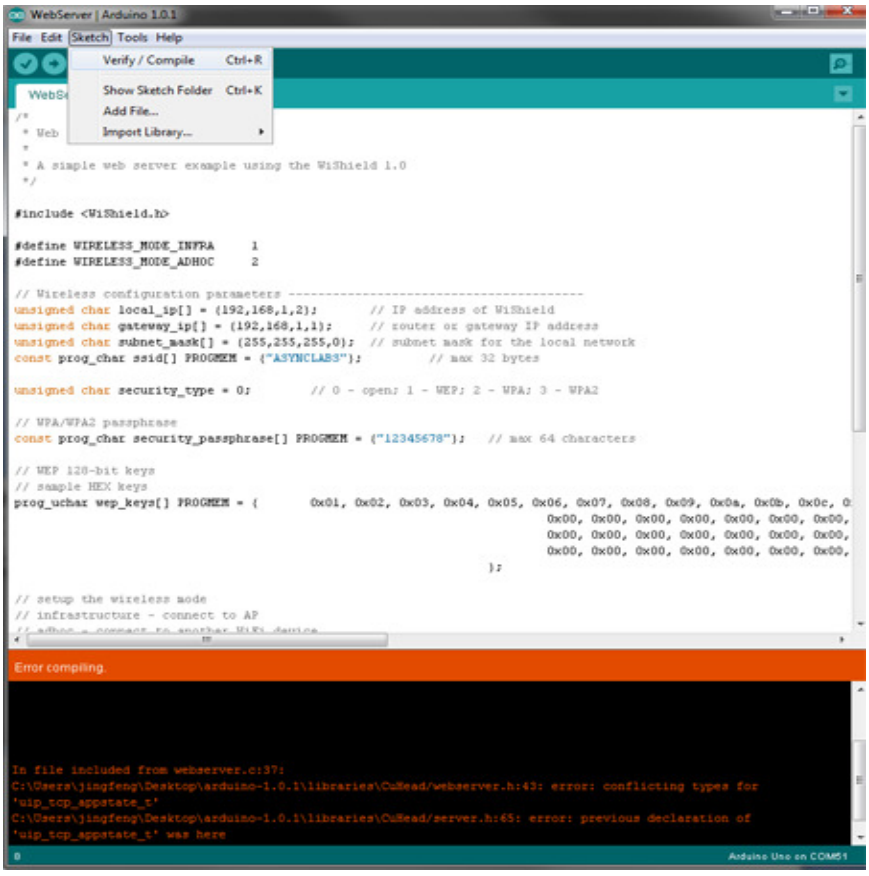
Open an example as below:



Select the target board as "Arduino Uno":

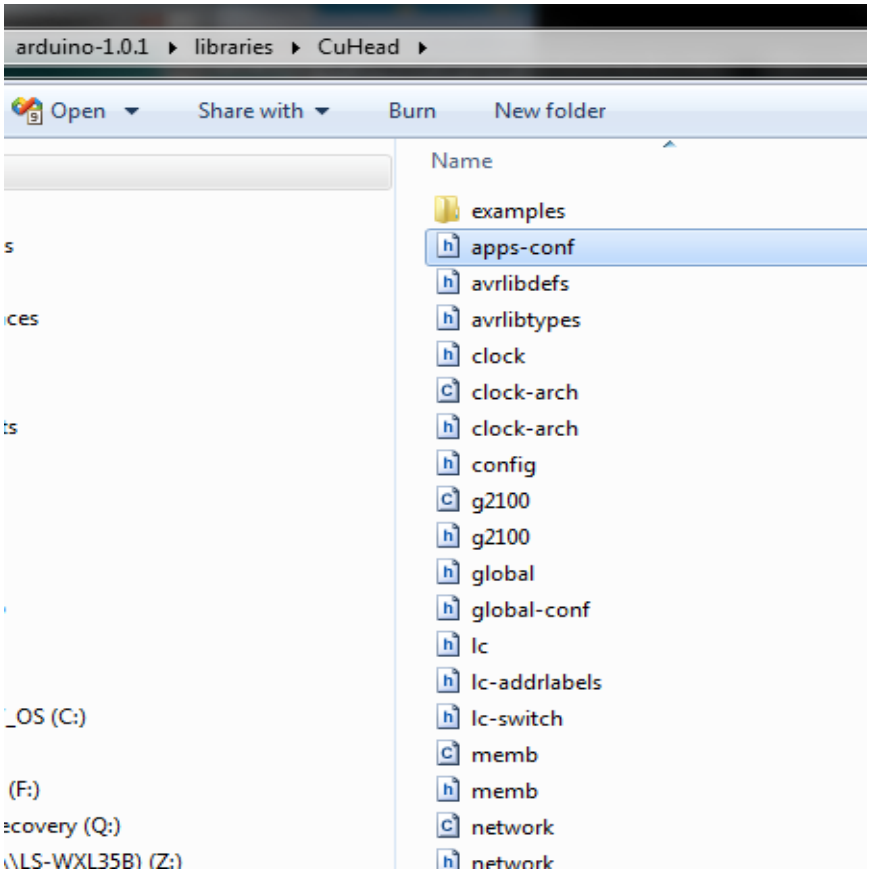


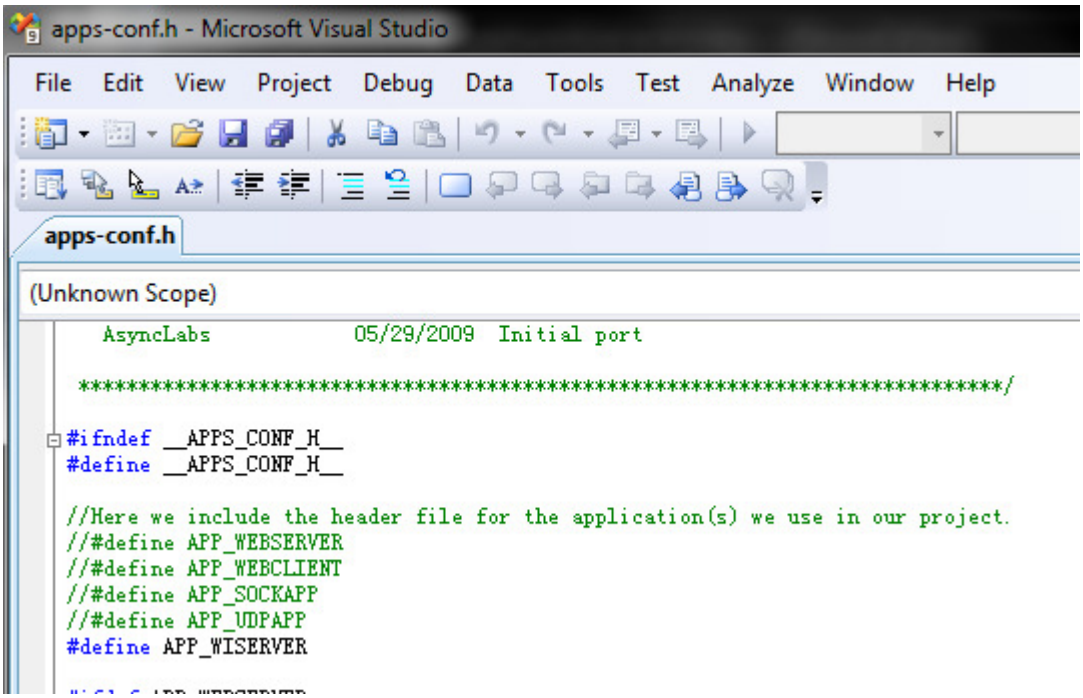
Click Sketch-> Verify/Compile:



As shown above, we got errors!

Don't be panic. Depending on what type of sample program we want to build, we need to a little bit of extra work by editing a file named "apps-conf.h" under "arduino-1.0.1\libraries\CuHead":

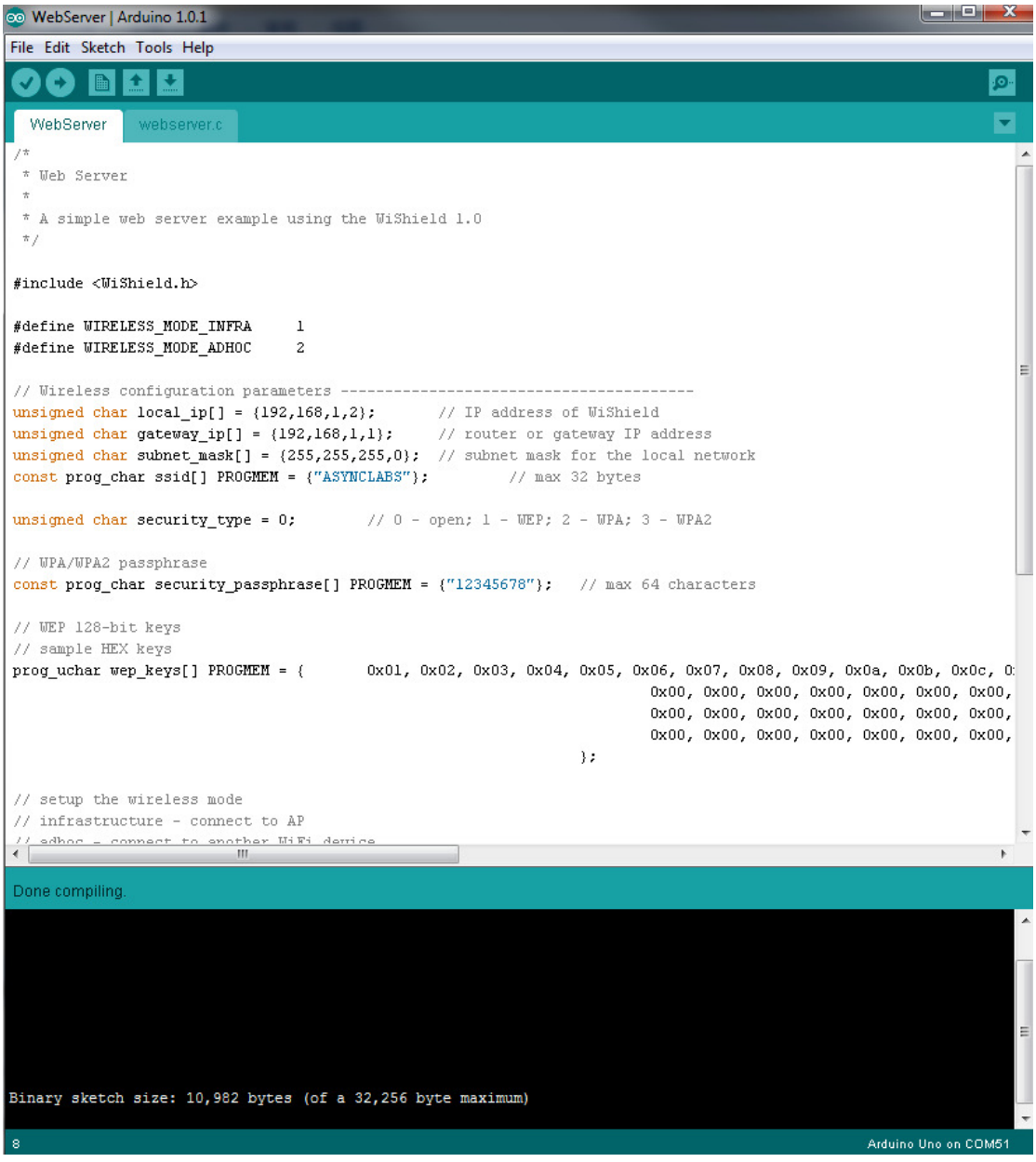




For this sample code, we are building webserver, so we comment out other defines, and uncomment the APP_WEBSERVER.

```
//Here we include the header file for the application(s) we use in our project.
#define APP_WEBSERVER
//#define APP_WEBCLIENT
//#define APP_SOCKAPP
//#define APP_UDPAPP
//#define APP_WISERVER
```

Let's hit Sketch-> Verify/Compile one more:



Now, we are successful!