

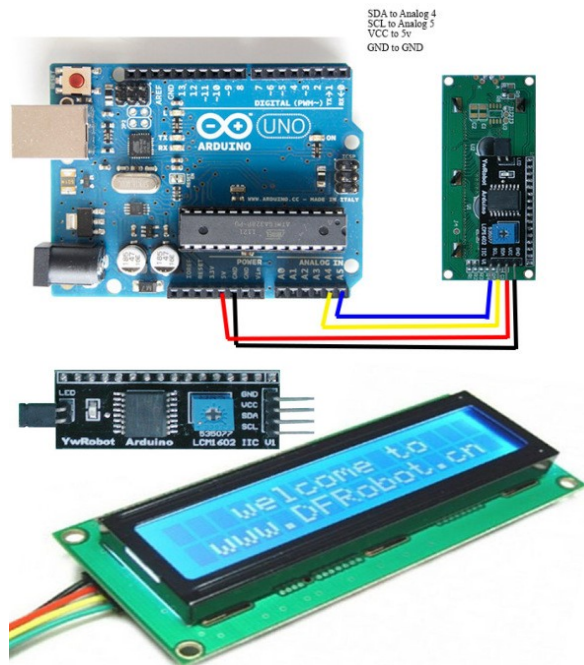
Arduino playground

ARDUINO PROJECTS AND SAMPLE CODE

Tag Archives: lcm1602

Arduino LCD

16 MAR



https://magnusglad.files.wordpress.com/2013/03/lcd_1602.jpg

<https://magnusglad.files.wordpress.com/2013/03/lcd.jpg>

I got this LCD from ebay yesterday, tried it with this simple code below:

Parts:

- Arduino UNO (any arduino will do)
- ywrobot arduino lcm1602 IIC V1 (from ebay)
- [LiquidCrystal_I2C library \(http://hmario.home.xs4all.nl/arduino/LiquidCrystal_I2C/LiquidCrystal_I2C.zip\)](http://hmario.home.xs4all.nl/arduino/LiquidCrystal_I2C/LiquidCrystal_I2C.zip)
- [Second library \(http://magnusglad.se/LiquidCrystal_I2C.rar\)](http://magnusglad.se/LiquidCrystal_I2C.rar) (try this if the above wont work)

Sample code 1:

```
1  #include <Wire.h>
2  #include <LCD.h>
3  #include <LiquidCrystal_I2C.h>
4  LiquidCrystal_I2C lcd(0x27, 2, 1, 0, 4, 5, 6, 7, 3, POSITIVE); // Addr, En, Rw,
5
6  void setup()
7  {
8      lcd.begin(16,2);
9      lcd.backlight();
10     lcd.setCursor(0, 0);
11     lcd.print("Hello world!");
12     lcd.setCursor(0, 1);
13     lcd.print("Row number: ");
14     lcd.setCursor(12, 1);
15     lcd.print("2");
16 }
17 void loop()
18 {
19
20 }
```

Sample code 2:

```
1  #include <Wire.h>
2  #include <LCD.h>
3  #include <LiquidCrystal_I2C.h>
4  LiquidCrystal_I2C lcd(0x27, 2, 1, 0, 4, 5, 6, 7, 3, POSITIVE); // Addr, En, Rw,
5
6  void setup()
7  {
8  lcd.begin(16,2);
9  lcd.backlight();
10 lcd.setCursor(0, 0);           //First column, first row
11 lcd.print("Hello world!");
12 lcd.setCursor(0, 1);         //First column, second row
13 lcd.print("Row number: ");
14 lcd.setCursor(12, 1);       //12th column, second row
15 lcd.print("2");
16 lcd.blink();                 //start blinking cursor
17 delay (3000);                //delay 3 seconds
18 }
19 void loop()
20 {
21 demoDisplay();
22 }
23 void demoDisplay()
24 {
25 lcd.clear();                 // clear display, set cursor position to zero
26 lcd.setBacklight(HIGH);      // Backlight on
27 lcd.setCursor (0,0);         //col 0 of line 1
28 lcd.print("Boot sequence");
29 lcd.setCursor (0,1);         // go col 0 of line 2
30 lcd.print("starting.");
31 lcd.noBlink();               //stop blinking cursor
32 delay(1000);                 //delay 1 second
33 wipeLines();                 //run function wipeLines
34 }
35
36 void wipeLines() {
37 for (int y = 0; y < 4; y++) {
38 for (int x = 0; x < 20; x++) {
39 lcd.setCursor (x,y);
40 lcd.print(" ");
41 delay(10);
42 }
43 }
44 }
```

36 Comments

Posted by [magnar81](#) on 16 March, 2013 in [code](#), [Hardware](#)

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