

```
/*
```

This is an Arduino library for the Adafruit Thermal Printer.

Pick one up at --> <http://www.adafruit.com/products/597>

These printers use TTL serial to communicate, 2 pins are required.

Adafruit invests time and resources providing this open source code.
Please support Adafruit and open-source hardware by purchasing products
from Adafruit!

Written by Limor Fried/Ladyada for Adafruit Industries.

MIT license, all text above must be included in any redistribution.

```
*/
```

```
// If you're using Arduino 1.0 uncomment the next line:
```

```
#include "SoftwareSerial.h"
```

```
// If you're using Arduino 23 or earlier, uncomment the next line:
```

```
//#include "NewSoftSerial.h"
```

```
#include "Adafruit_Thermal.h"
```

```
#include "adalogo.h"
```

```
#include "adaqrcode.h"
```

```
#include <avr/pgmspace.h>
```

```
int printer_RX_Pin = 5; // This is the green wire
```

```
int printer_TX_Pin = 6; // This is the yellow wire
```

```
Adafruit_Thermalprinter(printer_RX_Pin, printer_TX_Pin);
```

```
void setup(){
```

```
  Serial.begin(9600);
```

```
  pinMode(7, OUTPUT); digitalWrite(7, LOW); // To also work w/IoTP printer
```

```
  printer.begin();
```

```
  // The following function calls are in setup(), but do not need to be.
```

```
  // Use them anywhere! They're just here so they're run only one time
```

```
  // and not printed over and over.
```

```
  // Some functions will feed a line when called to 'solidify' setting.
```

```
  // This is normal.
```

```
  // Test inverse on & off
```

```
  printer.inverseOn();
```

```
  printer.println("Inverse ON");
```

```
  printer.inverseOff();
```

```
  // Test character double-height on & off
```

```
  printer.doubleHeightOn();
```

```
  printer.println("Double Height ON");
```

```
  printer.doubleHeightOff();
```

```
// Set text justification (right, center, left) -- accepts 'L', 'C', 'R'
printer.justify('R');
printer.println("Right justified");
printer.justify('C');
printer.println("Center justified");
printer.justify('L');
printer.println("Left justified");

// Test more styles
printer.boldOn();
printer.println("Bold text");
printer.boldOff();

printer.underlineOn();
printer.println("Underlined text ");
printer.underlineOff();

printer.setSize('L'); // Set type size, accepts 'S', 'M', 'L'
printer.println("Large"); // Print line
printer.setSize('M');
printer.println("Medium");
printer.setSize('S');
printer.println("Small");

printer.justify('C');
printer.println("normal\nline\nspacing");
printer.setLineHeight(50);
printer.println("Taller\nline\nspacing");
printer.setLineHeight(); // Reset to default
printer.justify('L');

// Barcode examples
printer.feed(1);
// CODE39 is the most common alphanumeric barcode
printer.printBarcode("ADAFRUT", CODE39);
printer.setBarcodeHeight(100);
// Print UPC line on product barcodes
printer.printBarcode("123456789123", UPC_A);

// Print the 75x75 pixel logo in adalogo.h
printer.printBitmap(adalogo_width, adalogo_height, adalogo_data);

// Print the 135x135 pixel QR code in adaqrqr.h
printer.printBitmap(adaqrqr_width, adaqrqr_height, adaqrqr_data);
printer.println("Adafruit!");
printer.feed(1);

printer.sleep(); // Tell printer to sleep
printer.wake(); // MUST call wake() before printing again, even if res
```

```
    printer.setDefault(); // Restore printer to defaults
}

void loop() {
}
```