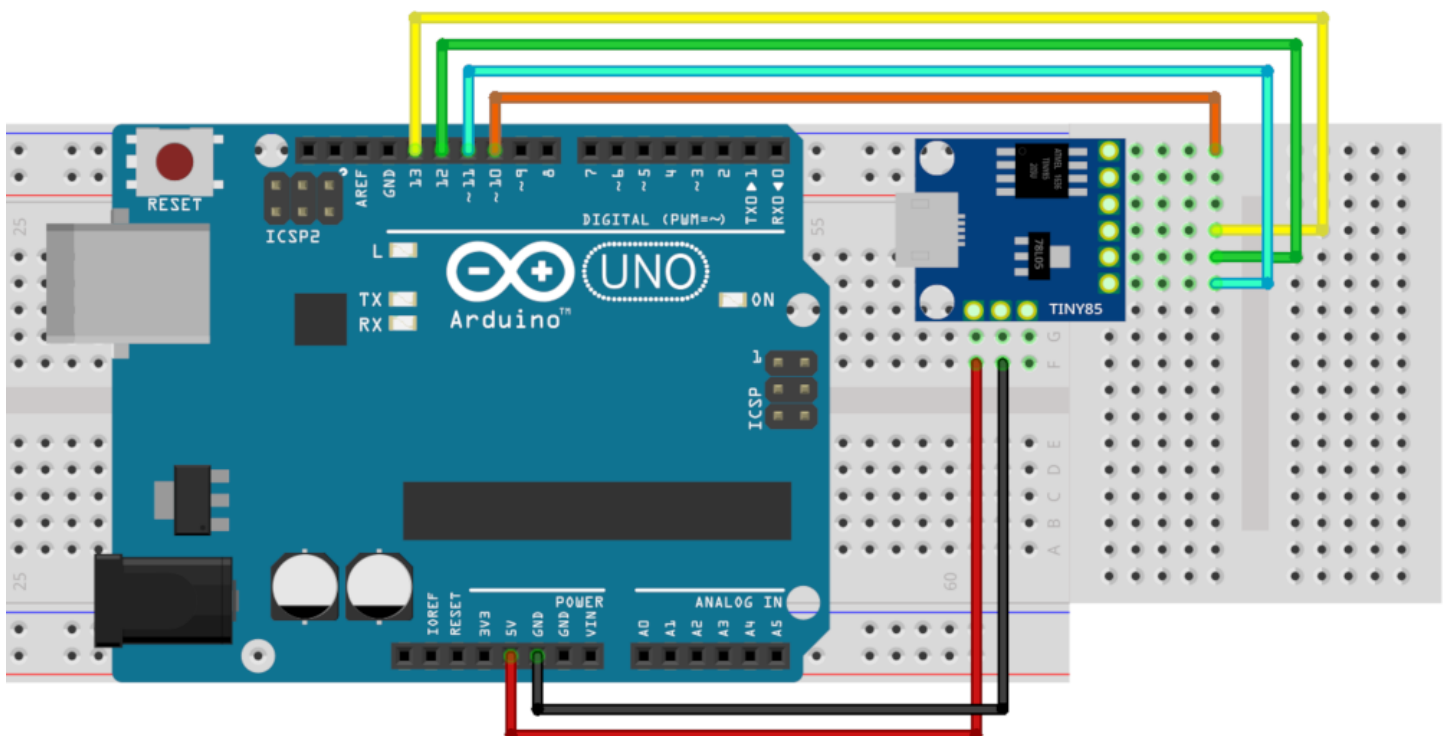


# Attiny85 Board Programming

Prepare the Attiny85 board for programming.

An Arduino Uno is used in the example to upload your sketches to your Attiny85 board.

The Attiny85 board is very small ( $17.5 \times 23\text{mm}$ ) and has 5 pins, which is enough for small projects.



## Board Manager

In the Arduino IDE open **Info > Preferences** . Now add "[https://raw.githubusercontent.com/damellis/attiny/ide-1.6.x-boards-manager/package\\_damellis\\_attiny\\_index.json](https://raw.githubusercontent.com/damellis/attiny/ide-1.6.x-boards-manager/package_damellis_attiny_index.json)" to the **Additional Boards Manager URLs** . Restart your Arduino IDE.  
Open **Tools > Board: "xxx" > Boards Manager...** , search for "Attiny85" and install the package from **David A. Mellis** .  
The Attiny85 board-package is now installed.

## Preparing the Arduino Uno

To prepare the Arduino to use it as a Programmer select the Arduino Uno as the Board, under **Tools > Board: "xxx"** . Then open the **ArduinoISP** Example found under **File > Examples > ArduinoISP** .  
Upload this sketch to the Arduino Uno and your Arduino is ready to use as a programmer!

## Program the Attiny85

As a first step you have to select the correct preferences for the Attiny85. To do so, open **Tools** . Now select **ATtiny25/45/85** as Board, **ATtiny85** as Processor, **Internal 8 MHz** as Clock & **Arduino as ISP** as Programmer.  
Now you can upload your sketch using the regular **Upload** button!