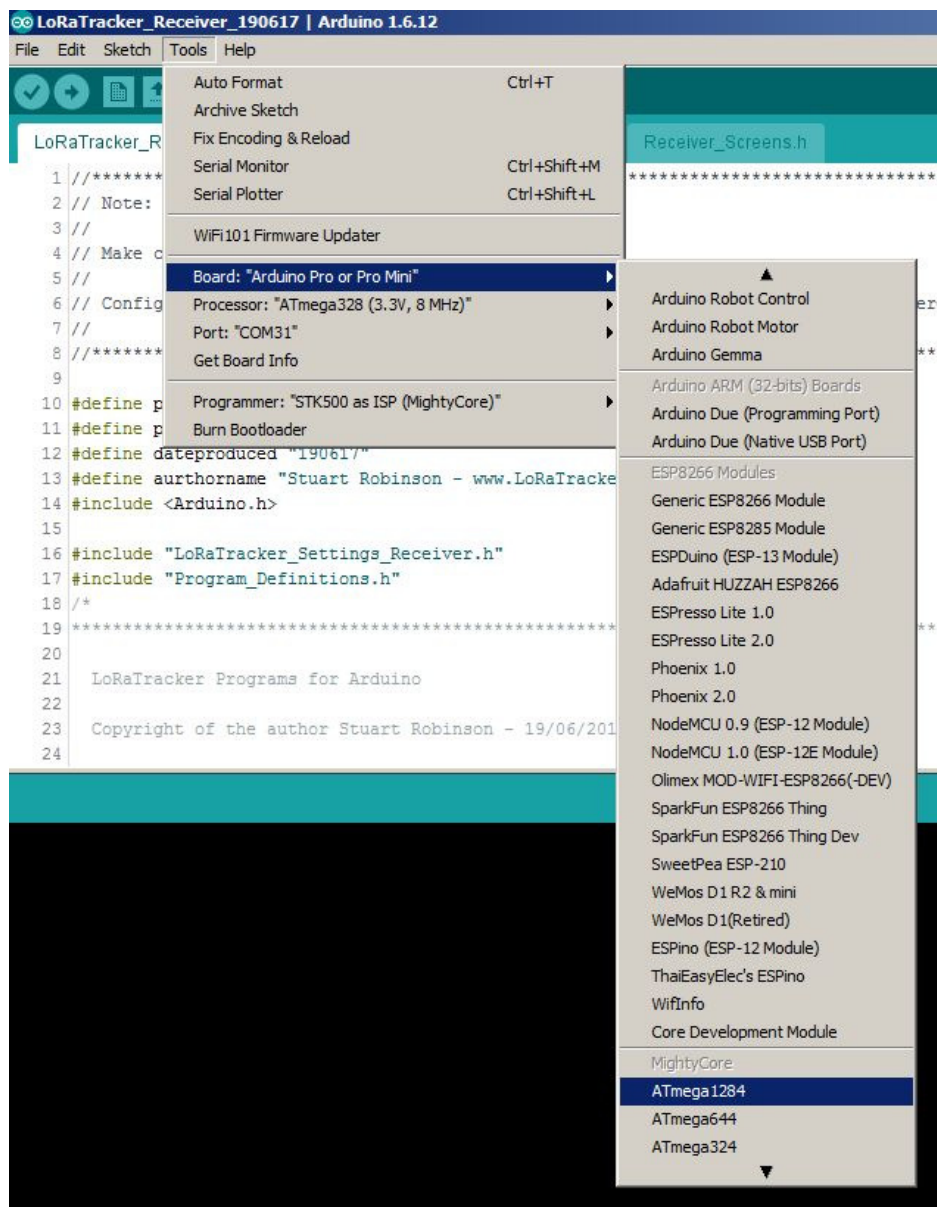


## Programming the LoRaTracker Receiver

To program the LoRaTracker Receiver you will need to load the Arduino IDE with the MightyCore environment for the ATMEGA 1284P, details, download and installation instructions are here;

<https://github.com/MCUdude/MightyCore>

Then in the Arduino IDE you need to select 'Tools' and then 'Board:' scroll down to MightyCore and select 'Atmega1284' as below;



Once the ATmega1284 board is selected, set these options from the 'Tools' menu;

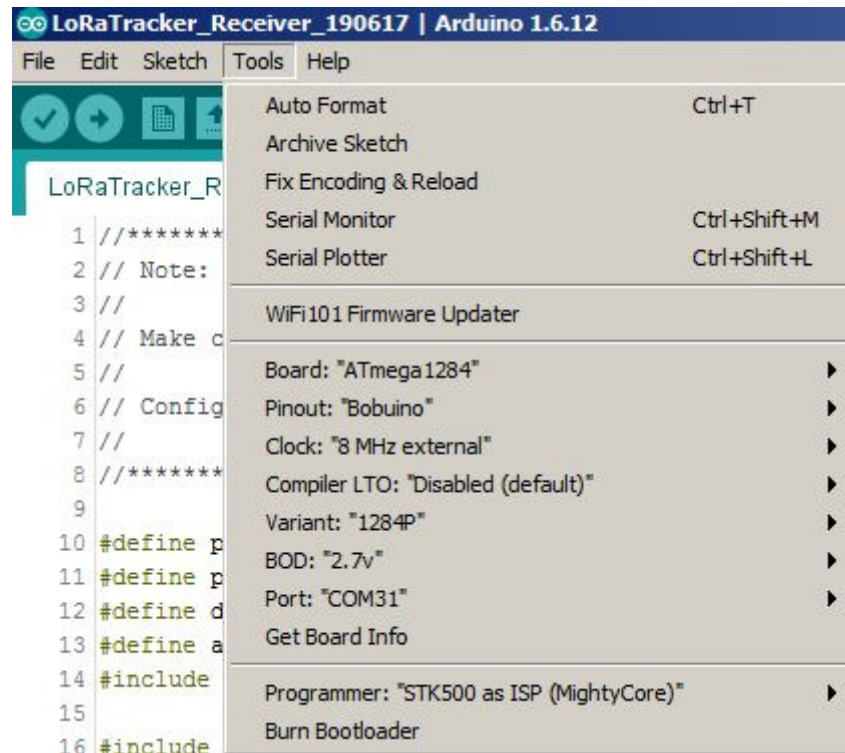
Pinout: "Bobuino"

Clock: "8Mhz external"

Variant: "1284P"

Port: (whatever serial port the board is connected to)

See below;



You will also need to install the following libraries;

The TinyGPS++ library;

<http://arduiniana.org/libraries/tinygpsplus/>

The Time library;

<https://github.com/PaulStoffregen/Time>

The SDFAT library;

<https://github.com/greiman/SdFat>

The PinChangeInterrupt library;

<https://github.com/NicoHood/PinChangeInterrupt>

The Flash library;

<http://arduiniana.org/libraries/flash/>

The rest of the library files should be part of an up to date Arduino IDE install.

**Stuart Robinson**  
**GW7HPW**  
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