Flashing eYFi-Mega ATmega 2560 Bootloader using Arduino IDE

Note: Follow the procedure given below on Windows operating system ONLY.

1. Download Arduino IDE

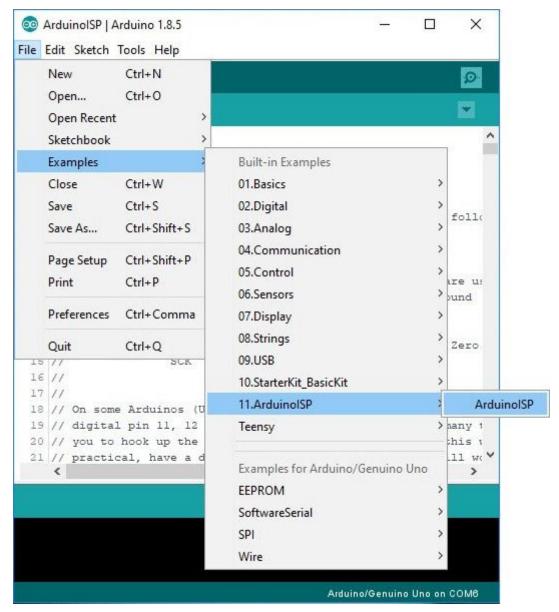
Make sure you have Arduino IDE installed on your Windows system. If not, you can download it from https://www.arduino.cc/en/Main/Software.

Connections of Arduino Mega and eYFi-Mega boardGrab an Arduino Mega board. Make the connections as shown in below Fig.

Fig. 1: Arduino as ISP Connections with eYFi-Mega board

3. Upload Arduino as ISP

Open the Arduino IDE. In the menu, select **File > Examples > 11.ArduinoISP** > **ArduinoISP** to open up the Arduino as ISP sketch.



Select the COM port for your Arduino as ISP. The COM port may be different depending on how it is enumerated on your computer.

Note: Remember the COM port as it will be required in further sections.

Upload the code to your Arduino Mega to turn it into a **AVRISP**.

4. Burning a Bootloader to Your Target (eYFi-Mega)

Download the zip file "Arduino_as_ISP_eYFi-Mega" from the Downloads section of the link: http://products.e-yantra.org/.

Right-click on the file: **fuseset.bat** and click on Edit, this will open the file in Notepad to edit it.

First find the COM Port where the Arduino Mega board is connected to your system.

Edit the the command provided in the file and replace the default COM Port which is "COM58" and replace it with your COM Port. Save the files. **Do Not change any other part of the command provided.**

Repeat this step with the file: hexflash.bat, save the file after editing.

Open the Command Prompt, navigate to the **Arduino_as_ISP_eYFi-Mega** folder and run these two commands in the following order:

- a. fuseset.bat
- b. hexflash.bat

Expected Output after executing:

a. fuseset.bat

b. hexflash.bat

```
C. Windows System 2X. Londows | 10.0 V | Oscillator | 10.0 V | Oscillator | 10.1 us | Oscillator | Oscillat
```

Once you get this similar output on your Command Prompt, this means that the eYFi-Mega ATmega2560 Bootloader has been flashed successfully on your board.