How to flash hex file onto Arduino ATmega2560?

To flash the hex file, you will need the following components:

1. Arduino ATmega2560 Microcontroller Board
2. STK Programmer
3. Jumper Wires F/F

The steps to be followed are as below:

1. Connect the jumper wires to STK programmer pins - MOSI, MISO, SCK, RES, VTG and GND with respective pin of the Arduino ATmega2560 ICSP pins.

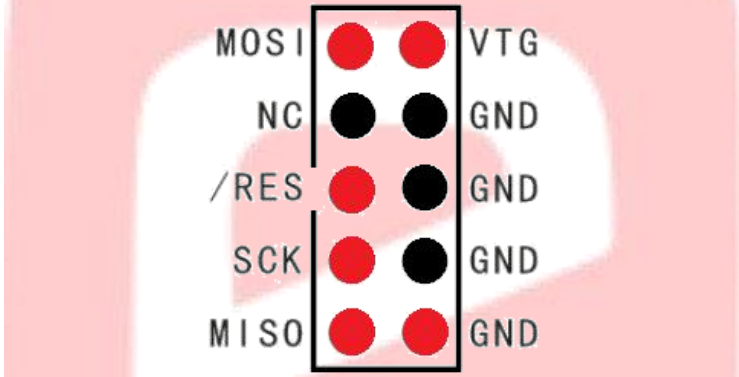

Figure 1: STK Programmer Pinout

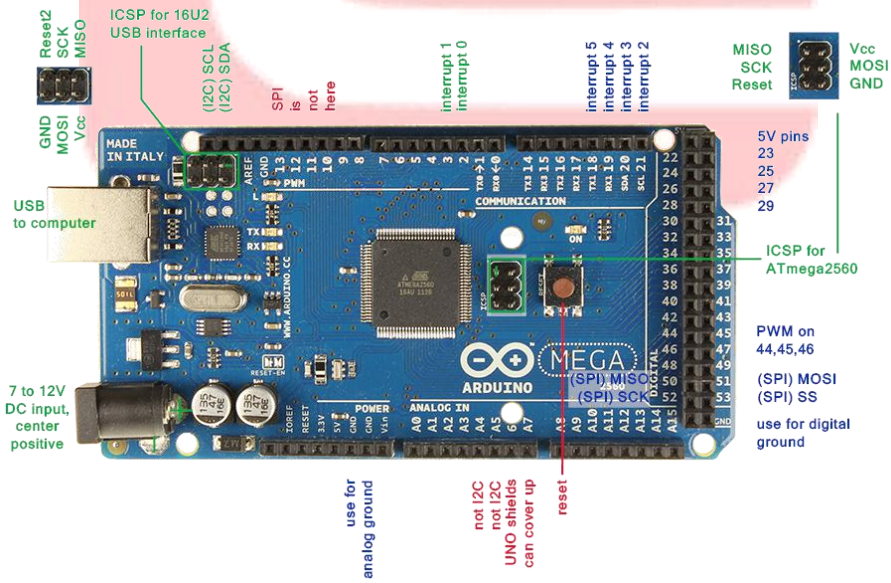

Figure 2: Arduino Mega 2560 ICSP Pins

2. Connect one end of USB Cable A to B to STK programmer and another end of USB cable to the PC USB port.

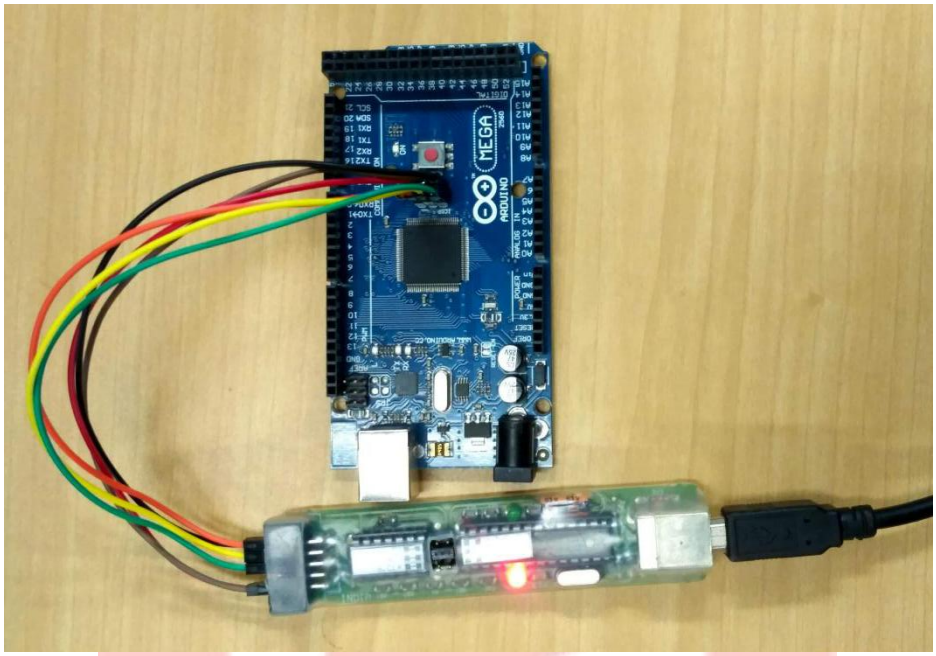

Figure 3: USB Cable and STK Programmer

3. Open **AVRDude** folder available in Resources folder. Type cmd in address bar and press enter to open the path in command prompt.

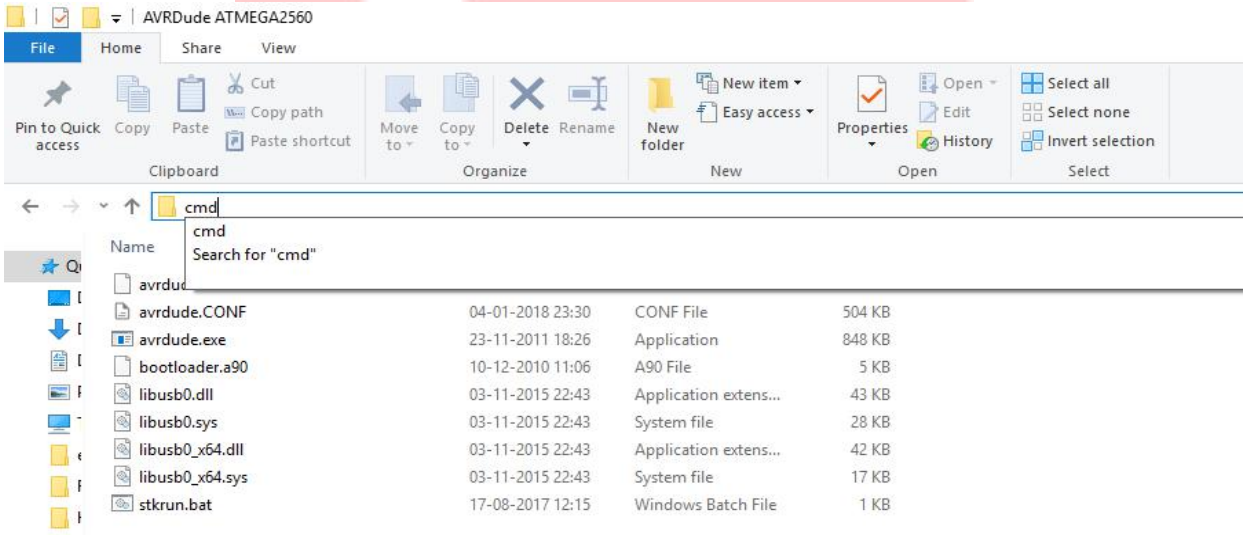

Figure 4: Path in Command Prompt

4. In command prompt, type stkrun<space><file.hex>. You can drag and drop the file on command prompt and press enter. Refer to Figure 5.

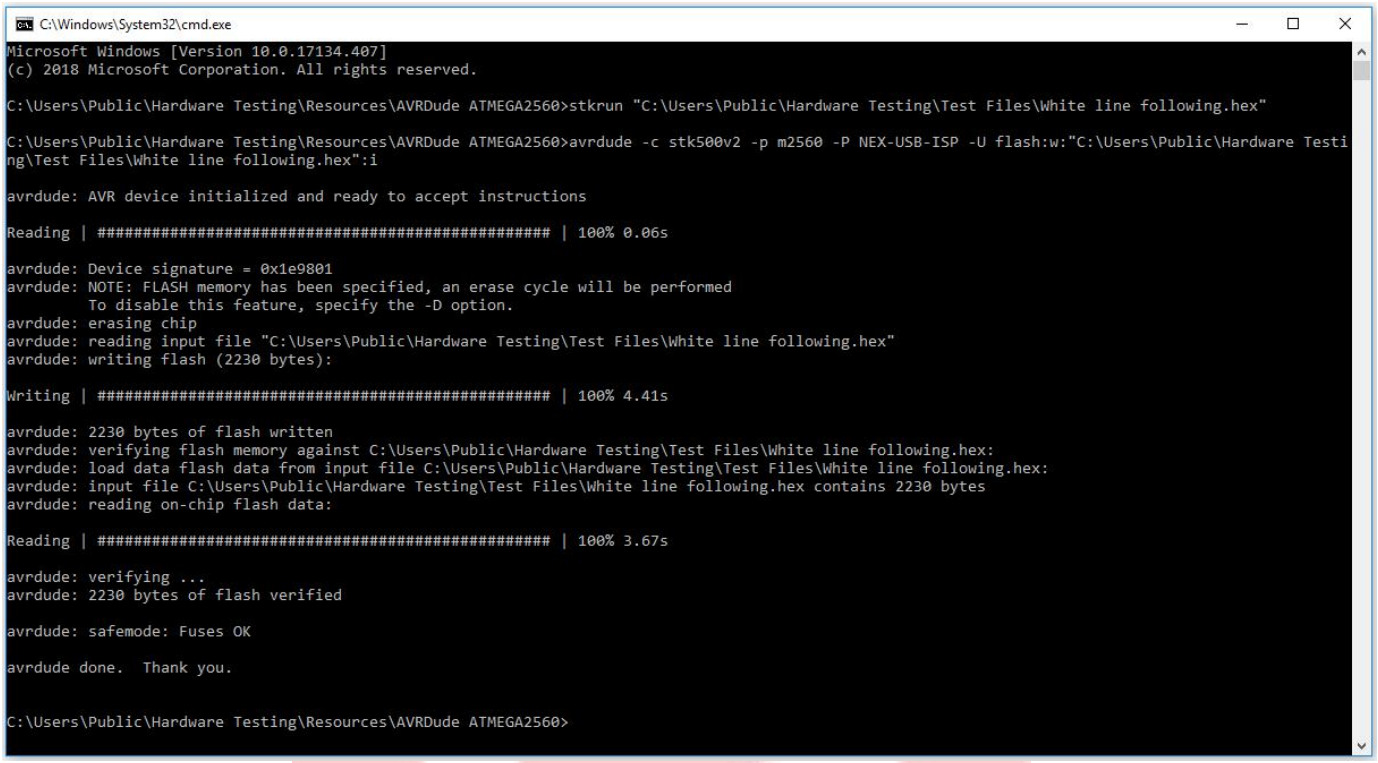

Figure 5: Flashing HEX file