



# ARDUINO 2560 Mega Development Board User Manual

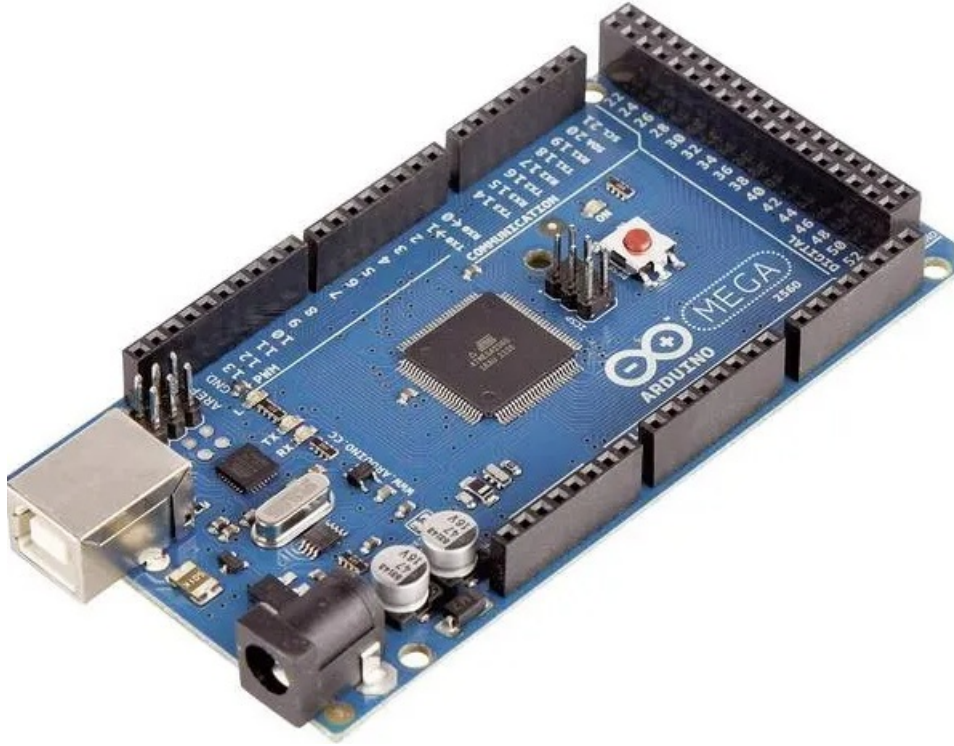
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**ARDUINO 2560 Mega Development Board**



## Arduino Mega 2560 Pro CH340 User Manual

### Specifications

- **Microcontroller:** ATmega2560
- **Operating Voltage:** 5V
- **Digital I/O Pins:** 54
- **Analog Input Pins:** 16
- **DC Current per I/O Pin:** 20 mA
- **DC Current for 3.3V Pin:** 50 mA
- **Flash Memory:** 256 KB of which 8 KB used by bootloader
- **SRAM:** 8 KB
- **EEPROM:** 4 KB
- **Clock Speed:** 16 MHz
- **USB Interface:** CH340

### Product Usage Instructions

#### Installation of Driver CH340 on Windows

1. Connect the Arduino Mega 2560 Pro CH340 to your computer using a USB cable.
2. Download the CH340 driver from the official website or the provided CD.
3. Run the driver installer and follow the on-screen instructions to complete the installation.
4. Once the driver installation is finished, the Arduino Mega 2560 Pro CH340 should be recognized by your Windows system.

#### Installation of Driver CH340 on Linux and MacOS

Most Linux distributions and MacOS have built-in drivers for the CH340 USB interface. Simply connect the Arduino Mega 2560 Pro CH340 to your computer using a USB cable, and it should be automatically recognized.

If for any reason the automatic recognition does not work, you can manually install the driver by following these steps:

1. Visit the official CH340 driver website and download the appropriate driver for your operating system.
2. Extract the downloaded file to a folder on your computer.
3. Open a terminal or command prompt and navigate to the extracted folder.
4. Run the installation script or execute the commands provided in the driver documentation.
5. Once the manual installation is completed, connect the Arduino Mega 2560 Pro CH340 to your computer, and it should be recognized.

### **Frequently Asked Questions (FAQ)**

- **Q: Do I need to install the CH340 driver on Windows?**

A: Yes, it is necessary to install the CH340 driver on Windows for proper communication between the Arduino Mega 2560 Pro CH340 and your computer.

- **Q: Is the CH340 driver pre-installed on Linux and MacOS?**

A: In most cases, Linux distributions and MacOS already have built-in drivers for the CH340 USB interface. You may not need to install any additional drivers.

- **Q: Where can I download the CH340 driver?**

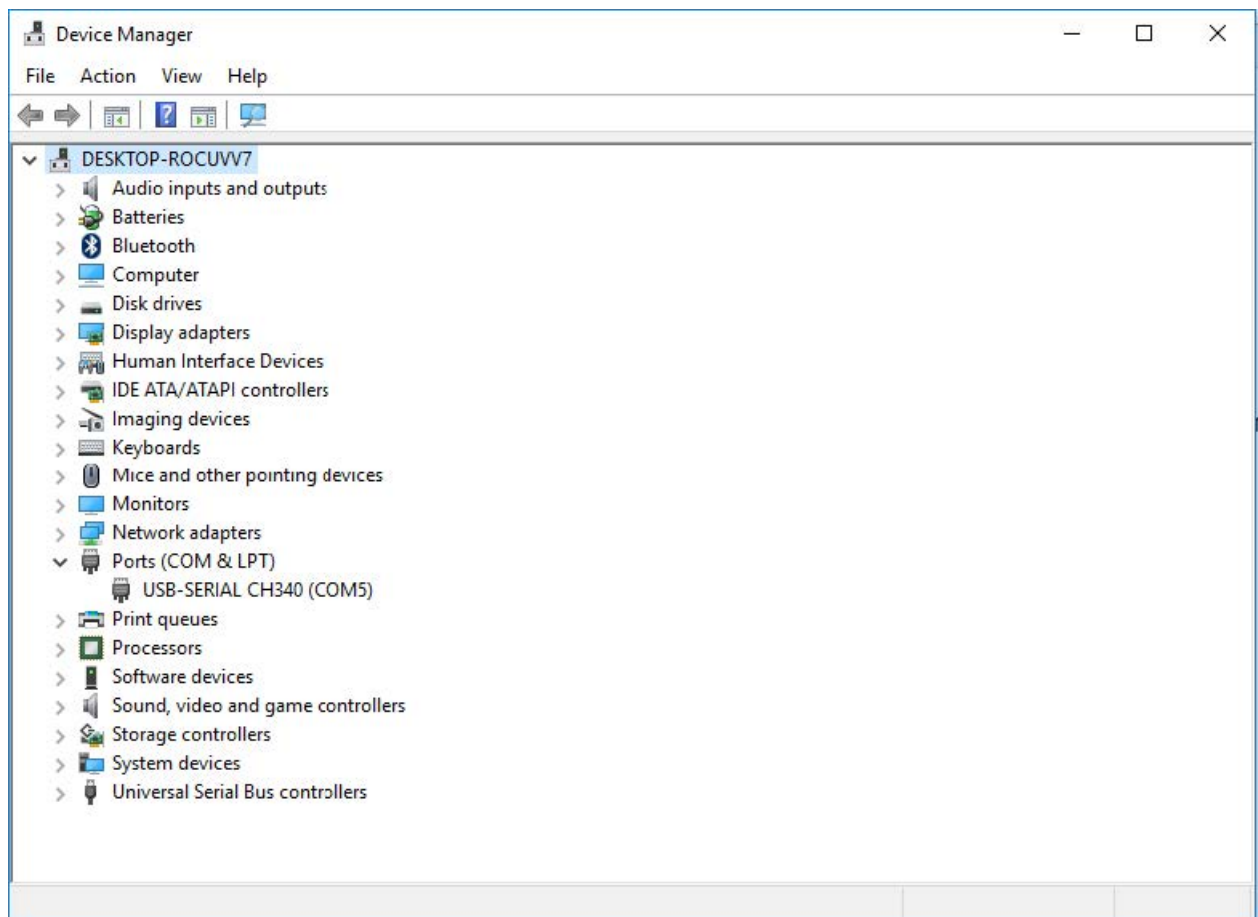
A: You can download the CH340 driver from the official website or use the provided CD that came with your Arduino Mega 2560 Pro CH340.

### **ARDUINO MEGA 2560 PRO CH340 USER MANUAL**

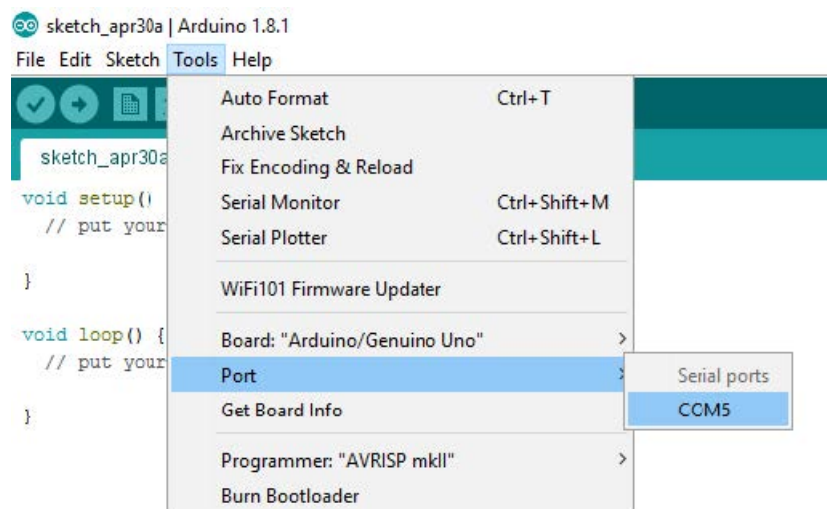
#### **Instruction for installation of driver CH340**

##### **For Windows: Automatic installation**

- Plug board to USB-port of PC, windows will detect and download driver. You will see system message on successful installation. CH340 is installed on COM-port (any number).

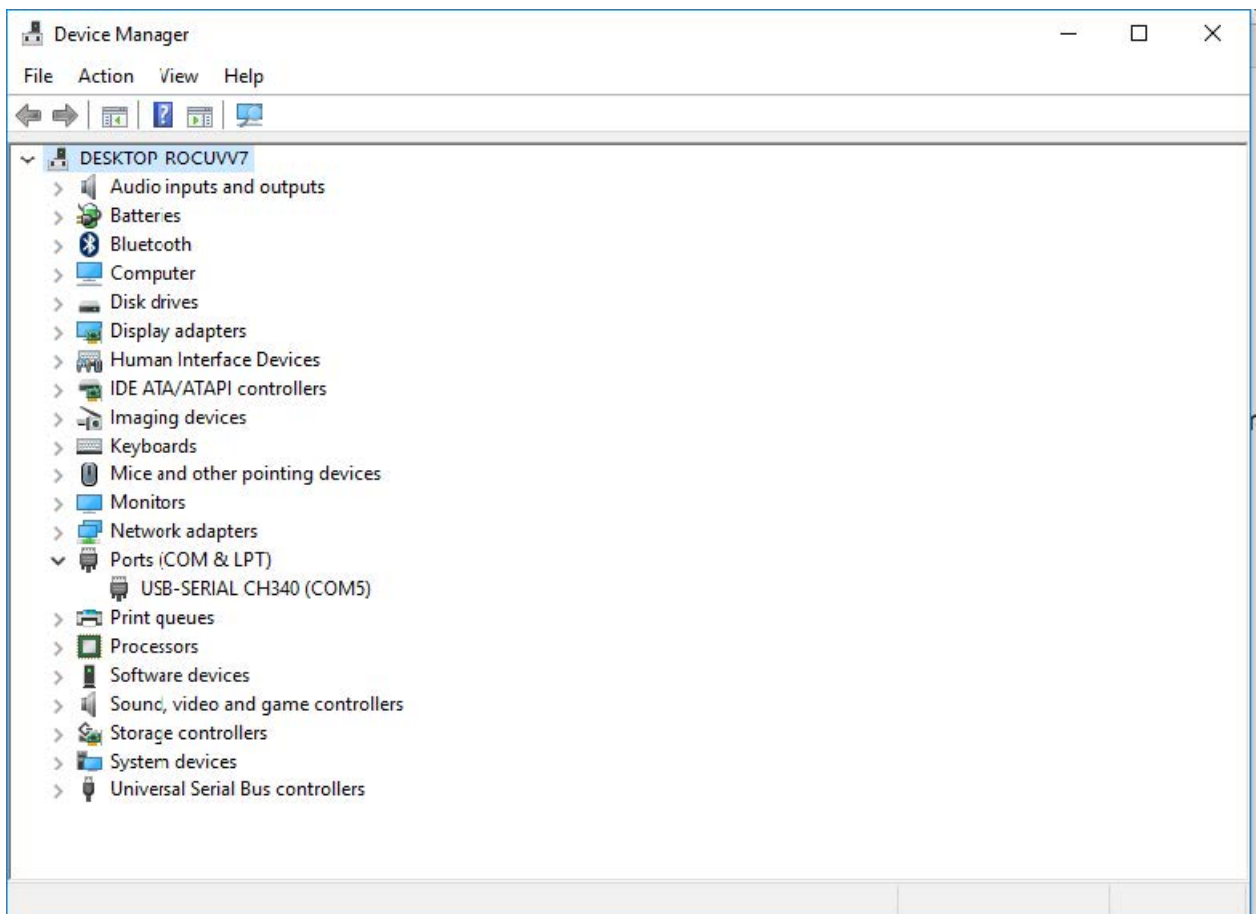


- In Arduino IDE select COM-port with board.

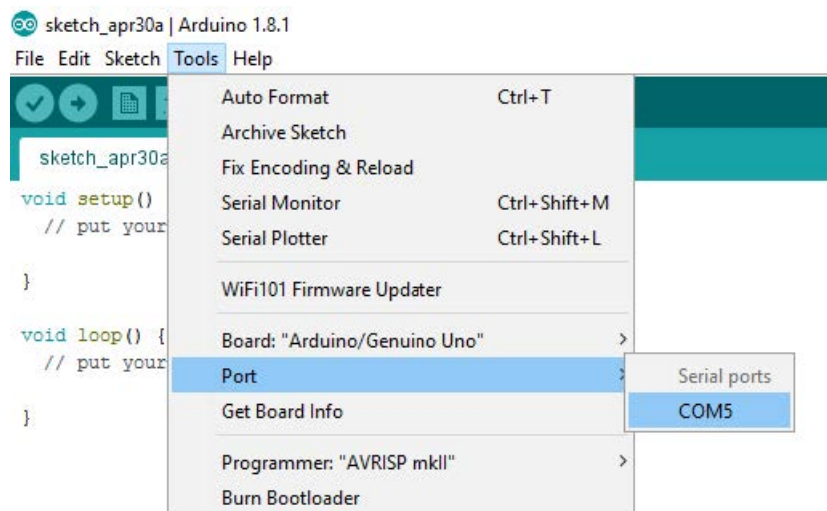


- **Manual installation:**

- Plug board to USB-port of PC
- Download driver.
- Run the installer.
- On Device Manager, expand Ports, you can find COM-port for CH340.



- In Arduino IDE select COM-port with board.



## For Linux and MacOS.

- Drivers are almost certainly built into your Linux kernel already and it will probably just work as soon as you plug it in.
- For manual installation, installer have extra information.

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References

- [User Manual](#)