Elegoo Nano FAQ

Question:
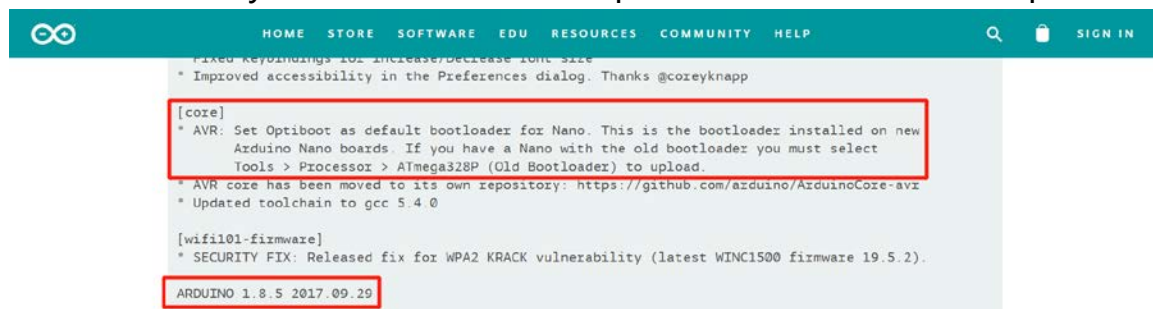
I chose "Arduino Nano" as the serial port when using Nano board, Arduino IDE shows:

avrdude: stk500_recv(): programmer is not responding
avrdude: stk500_getsync() attempt 1 of 10: not in sync: resp=0x28
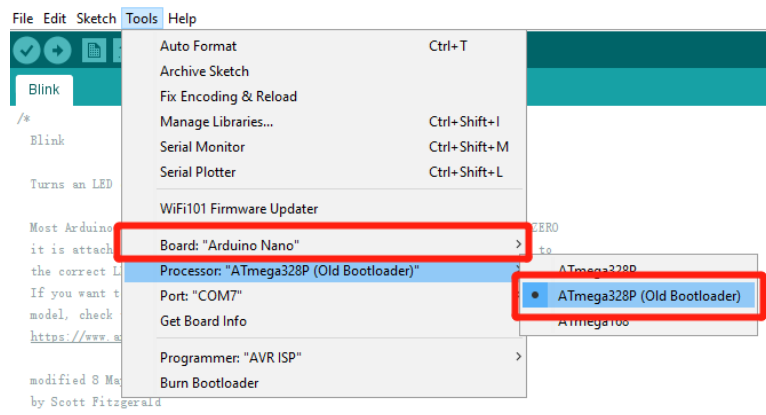...

What should I do?

Answer:

Because of the Arduino official updated the IDE's default Nano BootLoader, so your code couldn't be uploaded on IDE 1.8.5 and up.

You must select "Old BootLoader" in the IDE's processor, so that your Nano control board can work properly.

Question:

I tried to run the code but the Arduino cannot detect the board
(there was no port to select under Tools).
PC returned a message saying that it could not recognize the USB.

Answer:

In this case, we recommend you could refer to the following steps:

1) Install the CH340 Driver of Elegoo Nano, you can download the Driver software on our website or Github link:
   Mac OS https://github.com/CH340-MacOS-driver
2) Restart your computer and try to use different USB cable to connect a different USB port.
3) Reinstall your Arduino IDE and Arduino drivers on our website elegoo.com/download/. You could refer to our tutorial.
4) Try the above steps on a computer with different computer.

Question:

How much current does Arduino Nano draw?
What is the maximum power consumption of the Arduino Nano?

Answer:

Please refer to the technical specifications of Nano's AVR Core:

Microcontroller	ATmega328
Architecture	AVR
Operating Voltage	5 V
Flash Memory	32 KB of which 2 KB used by bootloader
SRAM	2 KB
Clock Speed	16 MHz
Analog IN Pins	8
EEPROM	1 KB
DC Current per I/O Pins	40 mA (I/O Pins)
Input Voltage	7-12 V
Digital I/O Pins	22 (6 of which are PWM)
PWM Output	6
Power Consumption	19 mA