NoMachine Installation and Connection

If you want to run the programming games through computer, please check this lesson. You will also know how to find and modify the programmings.

1. Getting Ready

1.1 Hardware Preparation

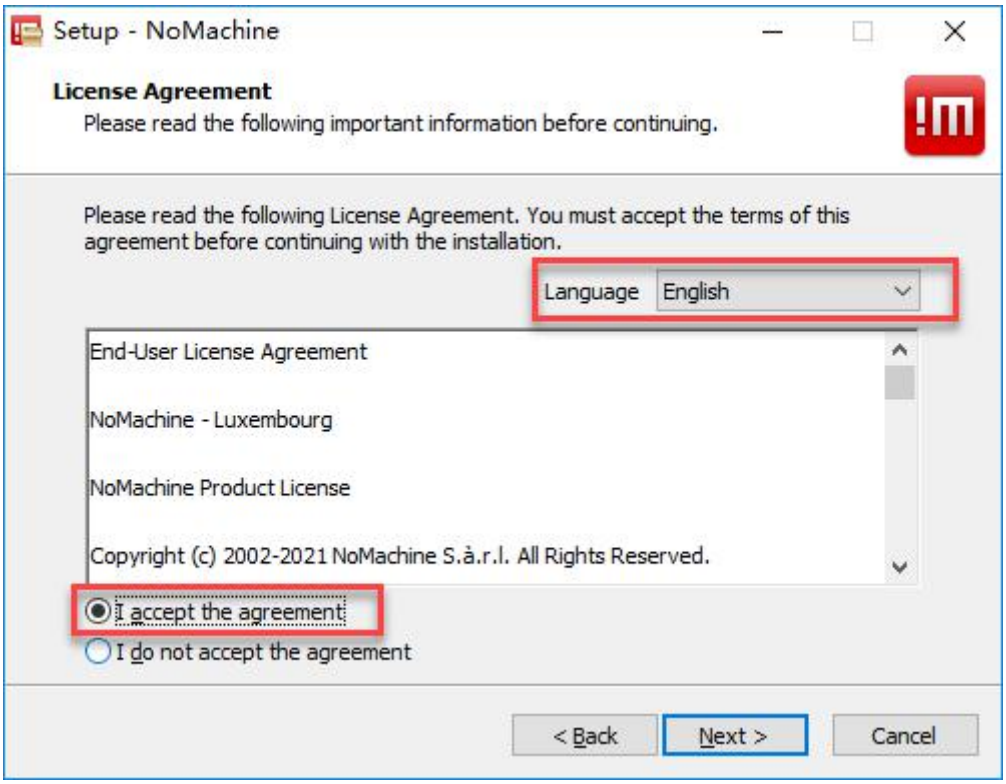
A laptop or a desktop computer is required. If you're using a desktop computer, please prepare your own wireless network card (supporting 5G frequency band). If the network card 5G is not supported, you may not be able to search for the hotspot launched by the Raspberry Pi. For the modification of frequency band, please go to the folder "3. AI Vision Games Lesson/1.Set Development Environment/3. Frequency Band Modification(optional)".

1.2 NoMachine Remote Control Tool Installation

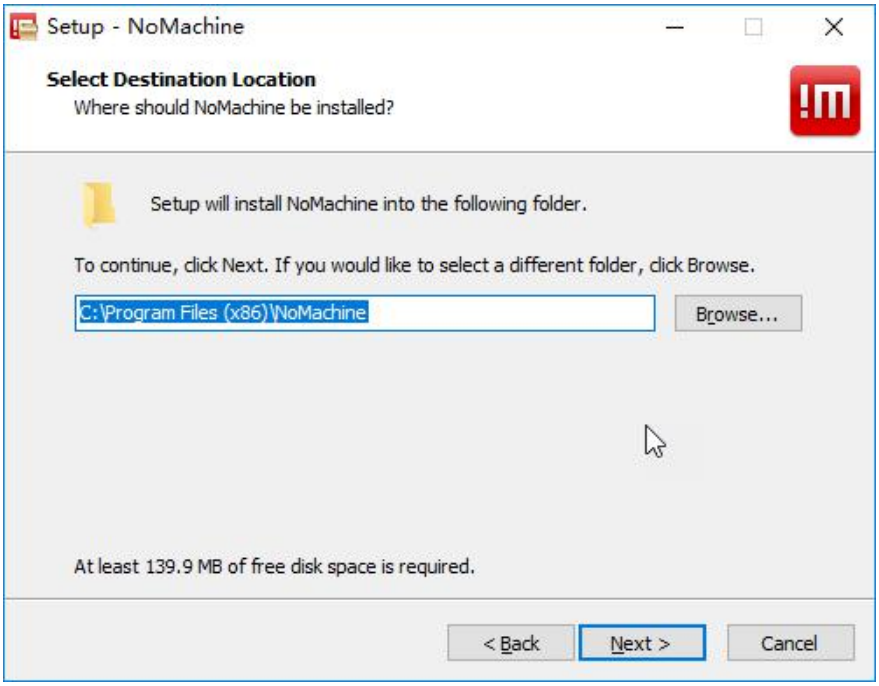
NoMachine is a graphics remote control software. With NoMachine, we can control the Raspberry Pi directly from your computer through the hotspot created by Raspberry Pi. Next, you will learn how to use NoMachine.

1) Double-click the "**nomachine_7.1.3_1.exe**" file in this folder, then click "Next" button.

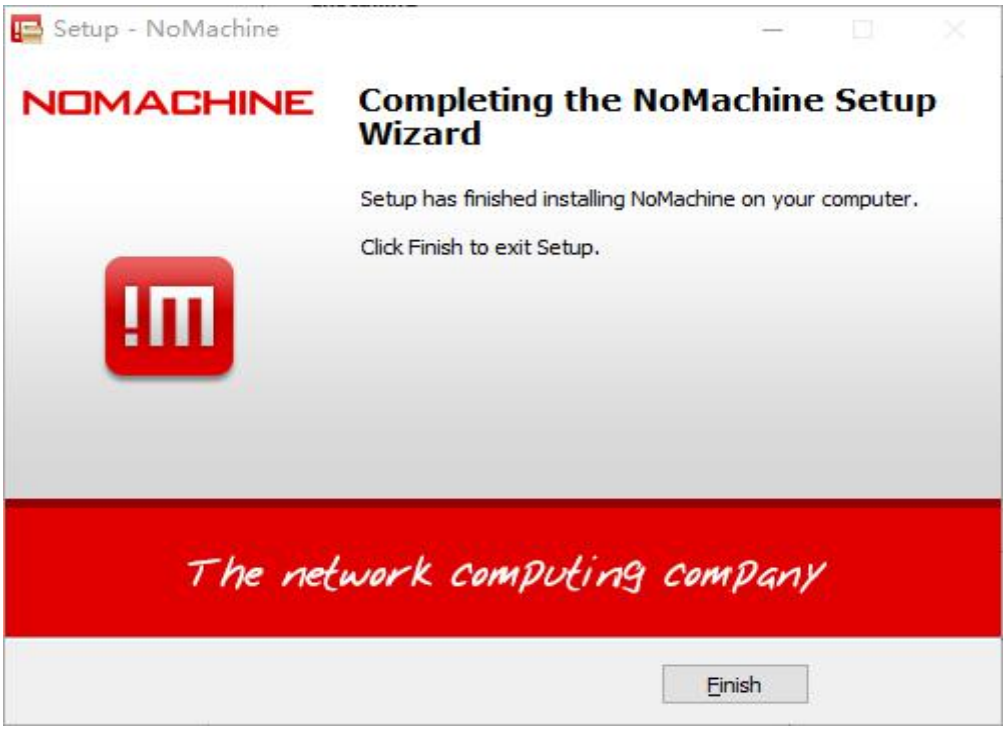
2) Then click "I accept the agreement" in the prompt box, and set the “Language” as “English”.



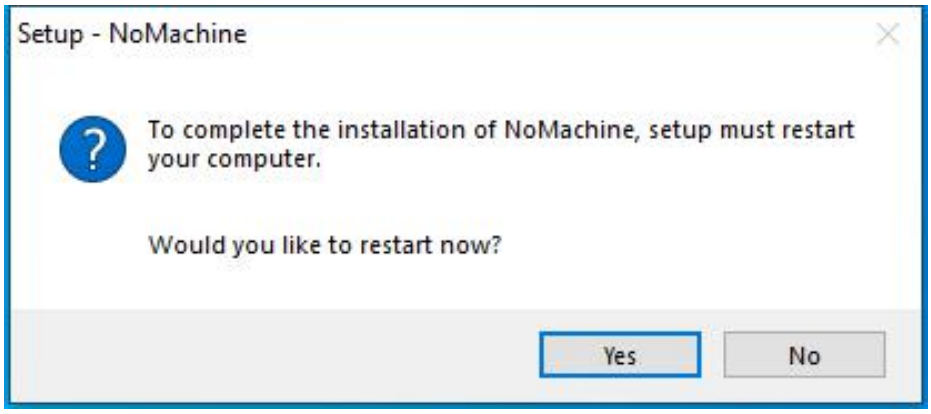
3) Select the destination location and click “Next” button.



4) After Nomachine has been successfully installed, click the “Finish” button.



5) After installation, click “Yes” button in prompt box to restart the computer. (Please don’t skip this step)

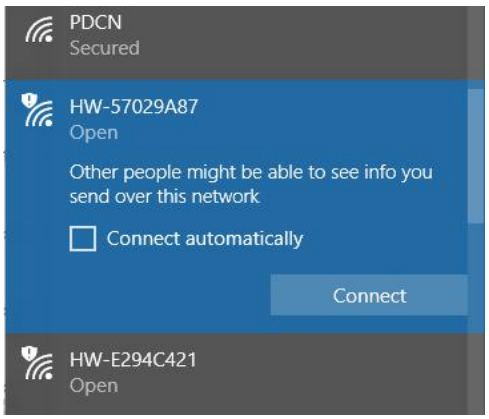


1.3 Turn on ArmPi FPV

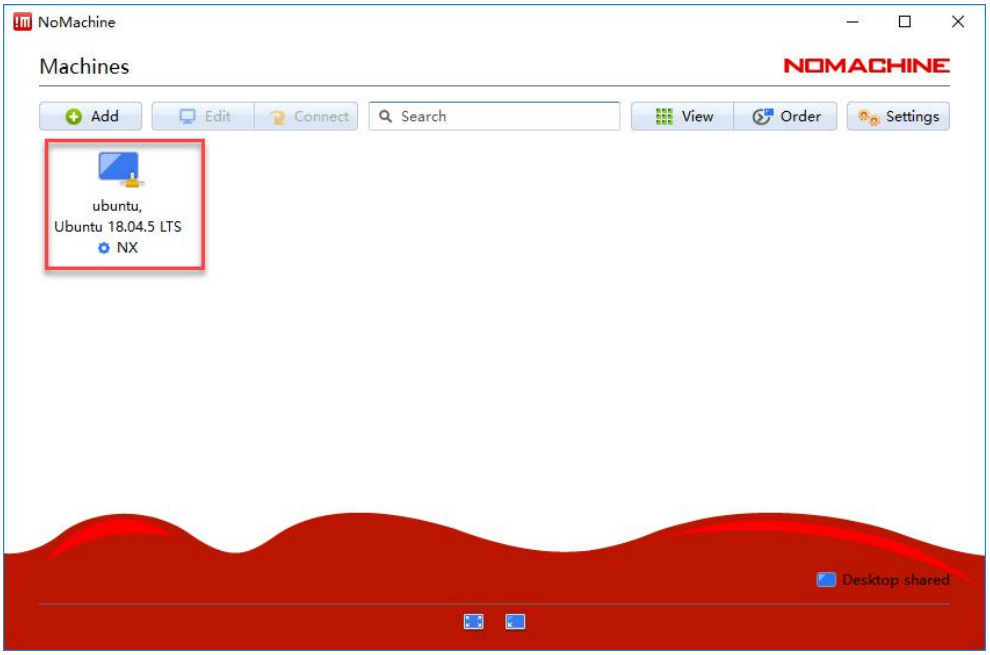
Switch on Raspberry Pi after connecting the adapter. The LED1 and LED2 of the Raspberry Pi will be on firstly and then the LED2 will flash every 2 seconds, which means the robot is turned on successfully.

2. Device Connection

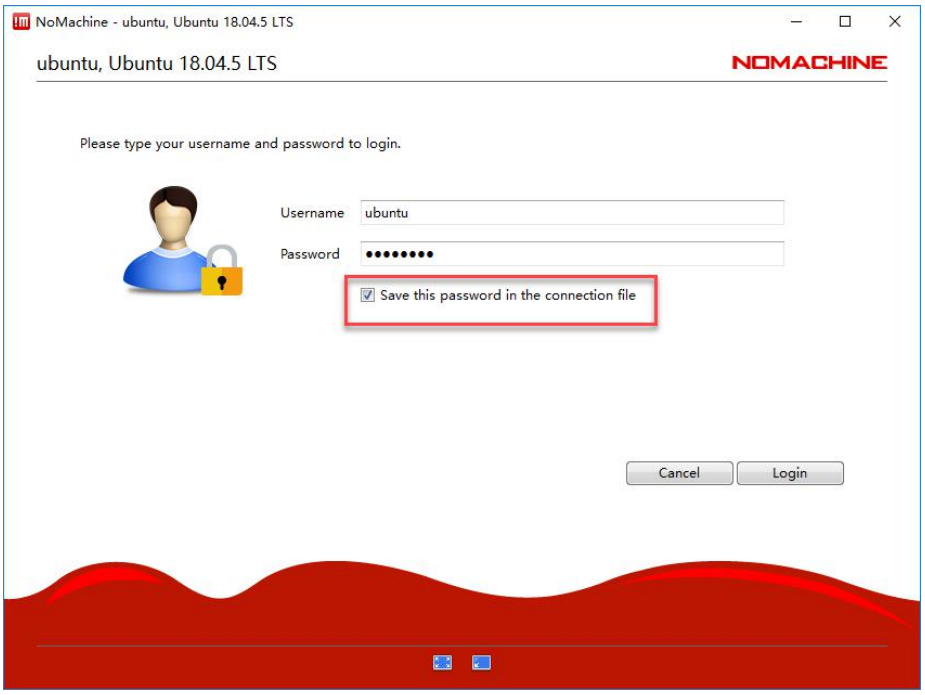
1) After turning on, Raspberry Pi will launch a Wi-Fi hotspot named with the first letters “HW”. Click to connect.



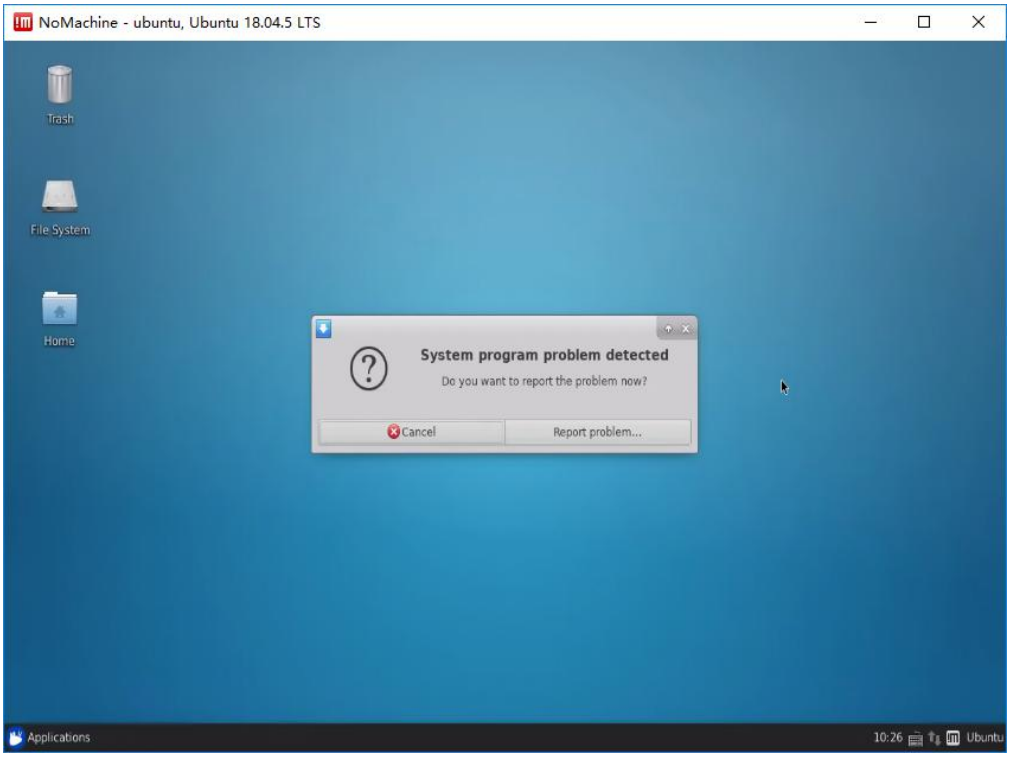
2) After connecting to the hotspot, go back to the NoMachine interface and click “ubuntu” icon.



3）Enter the account “ubuntu” and the password "hiwonder" in the pop-up prompt box, then check the "Save this password in the connection file" box, and then click "OK" button. The Raspberry Pi's desktop will now display on your computer’s monitor.



4）After entering the Raspberry Pi interface, a warning dialogue box will pop up (This is normal), click "Cancel" to close it (if a black screen occurs, please restart the Raspberry Pi).



Detailed starting steps of each game project can be found in the following lessons.