

VNC Installation and Connection

1. Getting Ready

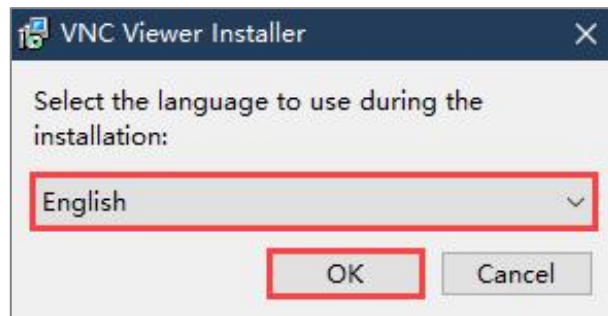
1.1 Hardware Preparation

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.

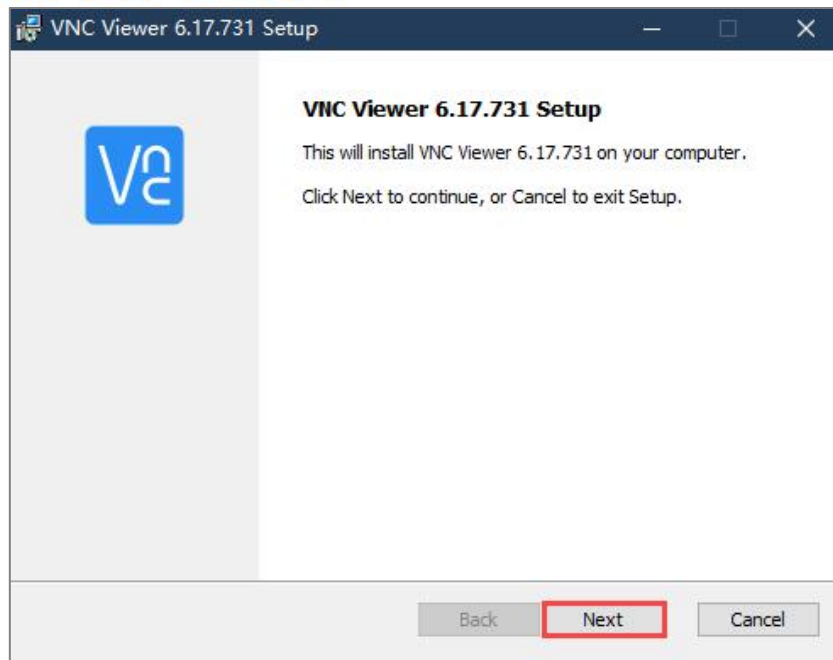
1.2 Install VNC

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

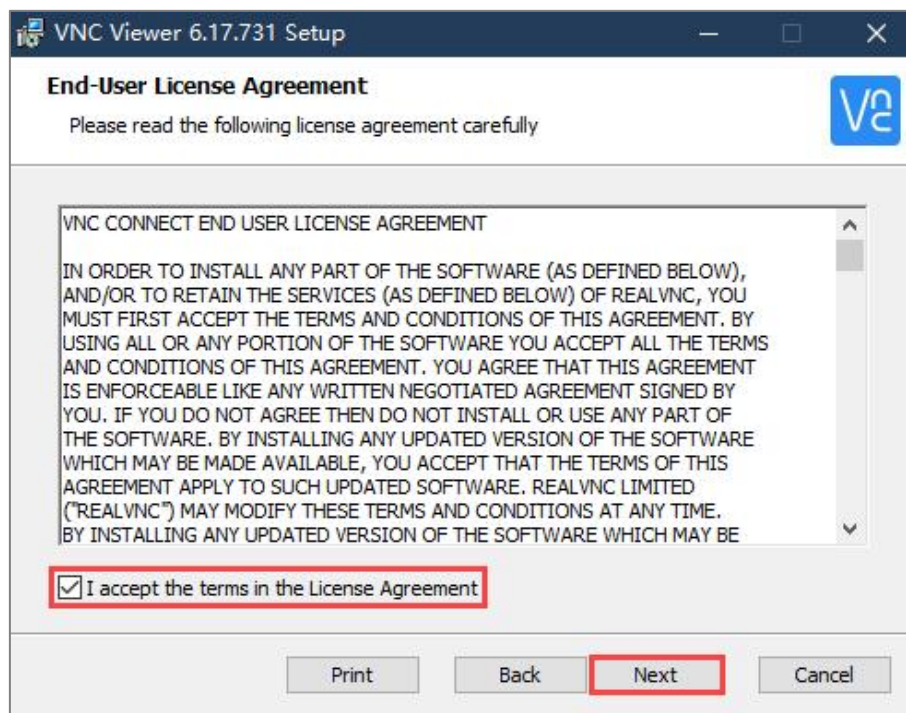
1) Double-click "VNC-Viewer-6.17.731-Windows" file in this folder. In the pop-up dialogue box, select the installation language as "English" and then click the "OK" button.



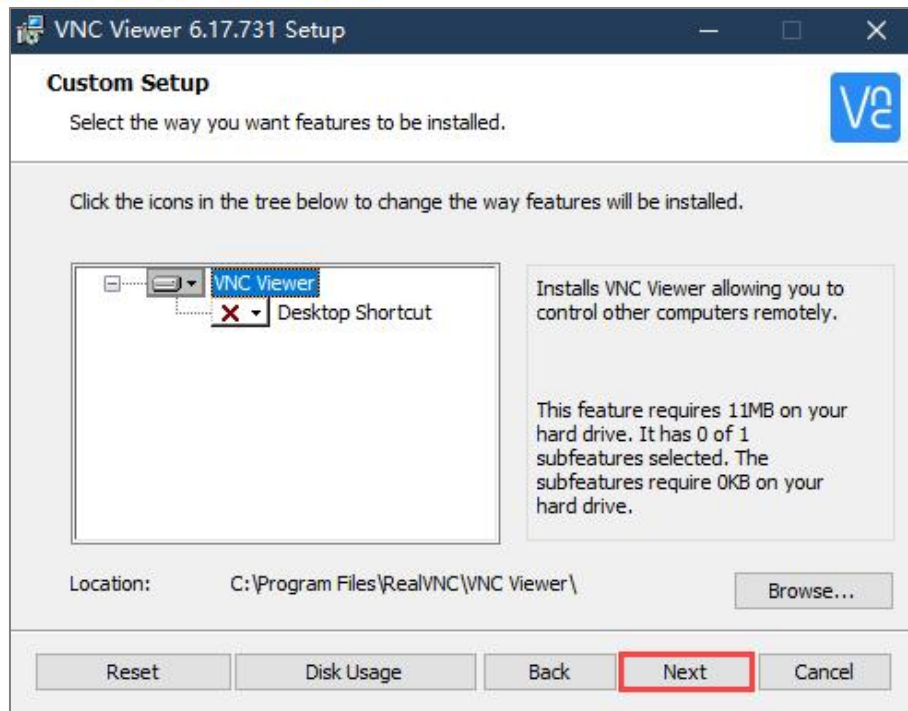
2) Then click the "Next" button on the pop-up interface.



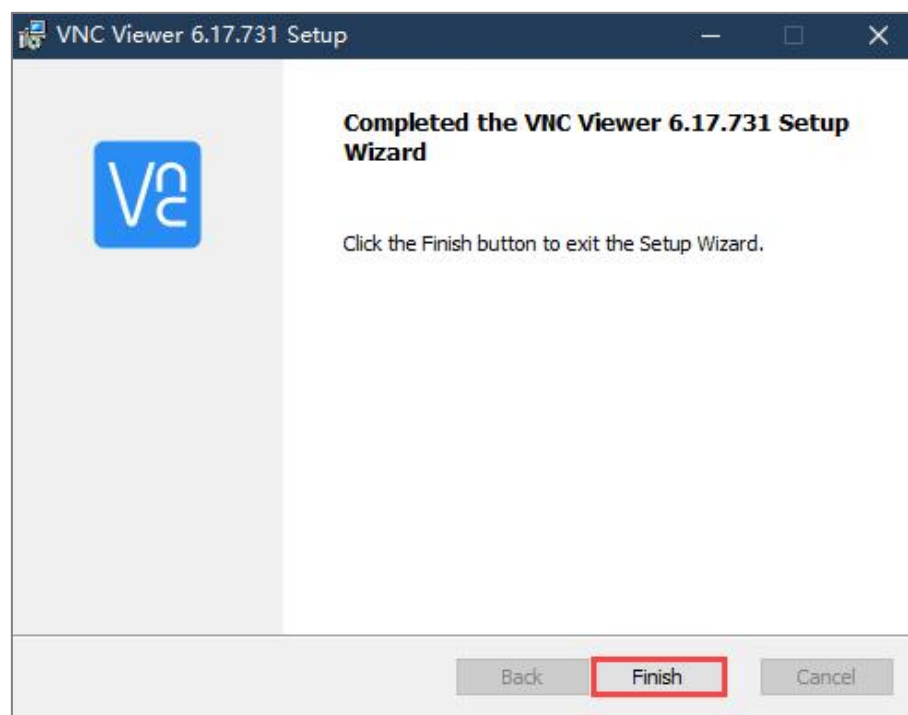
3) Then click "accept the terms in the License Agreement" in the prompt box, and click "Next" to enter the next step.




4) Click "Next" button to enter the next step. Then click "Install".



5)After VNC has been successfully installed, click the “Finish” button which completes the installation process.



6) After installing completely, click  icon to open VNC.

1.3 Turn on SpiderPi

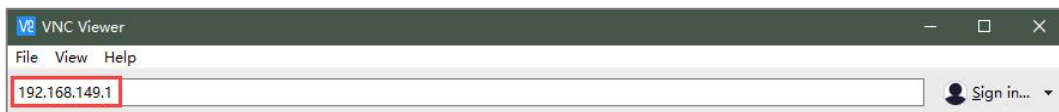
Please refer to the tutorial “1.Getting Ready/Lesson 2 Start SpiderPi” to turn on device. Wait a moment, LED1 and LED2 of Raspberry Pi will be on firstly and then the LED2 will flash every 2 seconds, which means SpiderPi is turned on successfully.

2. Connect Device

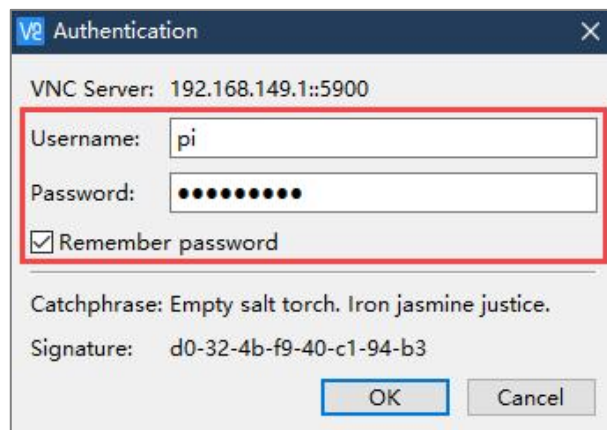
SpiderPi defaults to AP direct connection mode before shipping. After turning on the robot, it will generate a hotspot starting with “HW”. You need to search and connect to this hotspot, as the figure shown below:



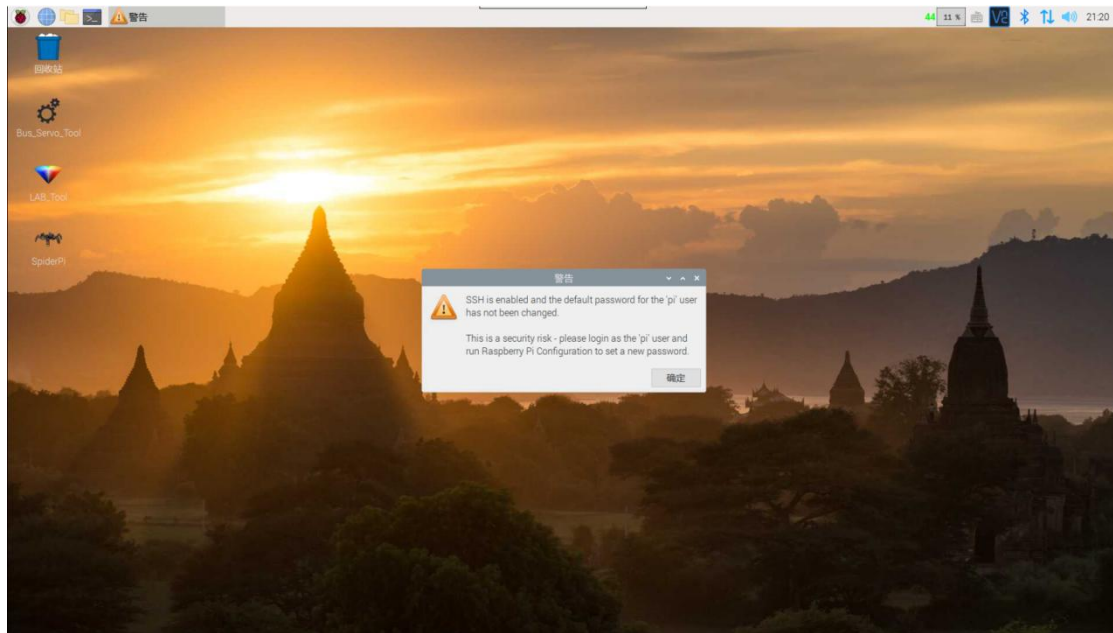
Open VNC Viewer, and enter the default IP address of Raspberry Pi (192.168.149.1), and then press “Enter”. If the software warns that the connection is not safe just Click "Continue".



Input the required information in the login window. Enter the Username “pi” and the password “raspberrypi”, and check "Remember password" box. Then click “OK” to start Raspberry Pi.

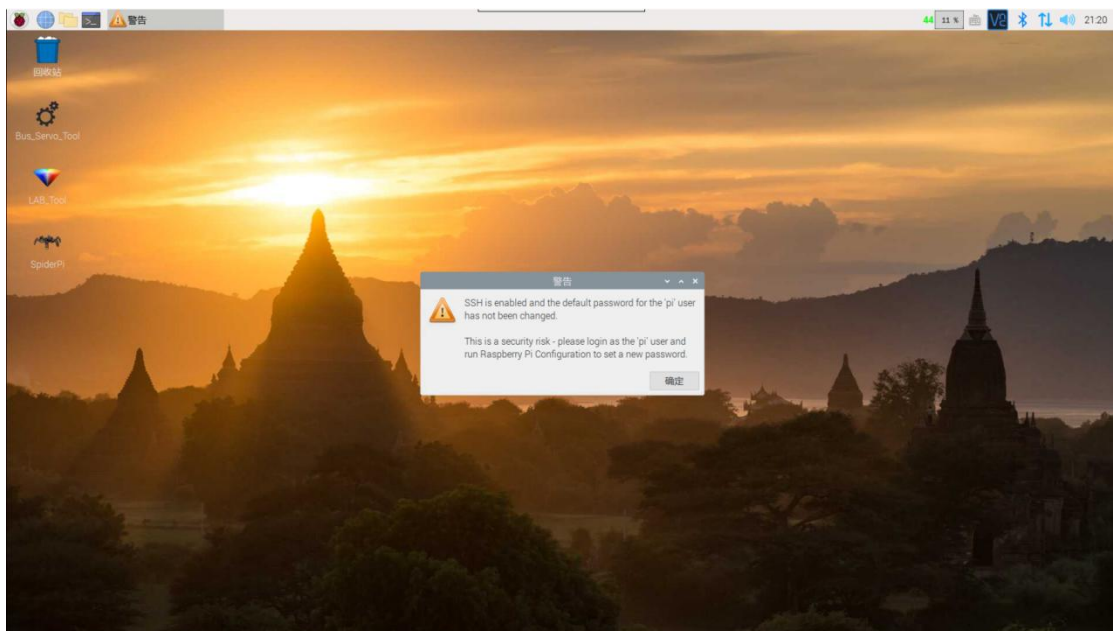


If a warning dialogue box pops up (this is normal), click "OK" to close it (if a black screen occurs, please restart the Raspberry Pi).























3. Interface Introduction


After the robot is connected via VNC Viewer, the operation interface is displayed, as the figure shown below.



Function Instruction:

Icon	Function
	<p>Application menu . Click to select different tools .</p> <div>  Programming >  Internet >  Sound & Video >  Graphics >  System Tools >  Accessories >  Help >  Preferences >  Run  Logout </div>

	System built-in browser
	File Manger
	LX terminal . Click it to enter command line .
	Trash. Find the recent deleted file .
	PC software . Use it to edit action group ,calibrate action and adjust color threshold.
	Click it to display or exit the full screen of system desktop .
	Exit full screen
	Power . Click it to shutdown , reboot or logout. 

	<p>File transfer . Click it to transfer the local file to Arm Pi mini system desktop , or transfer the files stored in Arm Pi mini system to your computer .</p> <p>Note:you must transfer the file from computer to Raspberry Pi first before you can transfer the file from Raspberry Pi to computer .</p>
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