Frequency Band Modification(optional)

The tutorial in this section is optional and is applicable to users using 2.4G band wireless network card (desktop computers need external network card). If you can't find hotspot, please refer to this section.

1. Preface

For a better user experience, the default Wi-Fi frequency band in Direct Connection Mode is 5G. If your network card does not support 5G, you may need to modify the frequency band to 2.4G, otherwise the hotspot launched by Raspberry Pi may not be found. If you want to switch back to the 5G band later, you can also follow the operations in this section.

In order to achieve a better experience, the default Wi-Fi frequency band in direct connection mode is 5G. If your network card does not support 5G, you need to modify the frequency band to 2.4G, otherwise the hot spots generated by the robot may not be found. Of course, if you want to switch back to the 5G band later.

If you have no idea of 2.4G and 5G frequency band, you can check the picture below:

A router that supports dual frequency, in the case of separate dual-band settings, will distinguish the Wi-Fi name will be distinguished by default.

For example, the LH is 2.4G frequency band while LH_5G is 5G frequency band. If your network card does not support the 5G frequency band, LH_5G is unavailable in Wi-Fi searching. The Wi-Fi name of different routers may be different but the Wi-Fi internal frequency band setting is the most important. Therefore, we need to change the hotspot of the robotic arm from 5G to 2.4G to search.

2. Modify Method

Take the 2.4G frequency band modification as example:

1) Prepare a card reader and insert the SD card containing the system image.

2) Insert the card reader to the computer. If a prompt pops up whether to

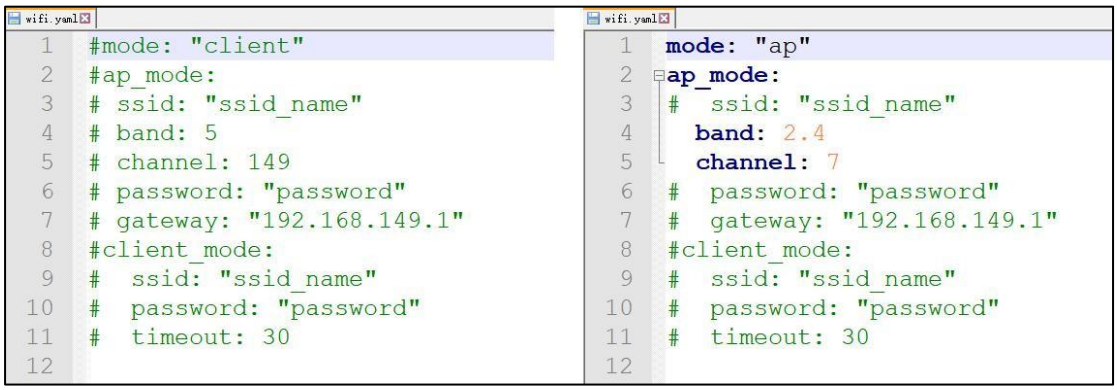
format, just close it.

3) Go to the file shown in the figure below in the boot drive letter. Open it in the form of Notepad.

Find Hiwonder folder in system-boot drive. Click to find “wifi.yaml” file and open it in the form of Notepad.

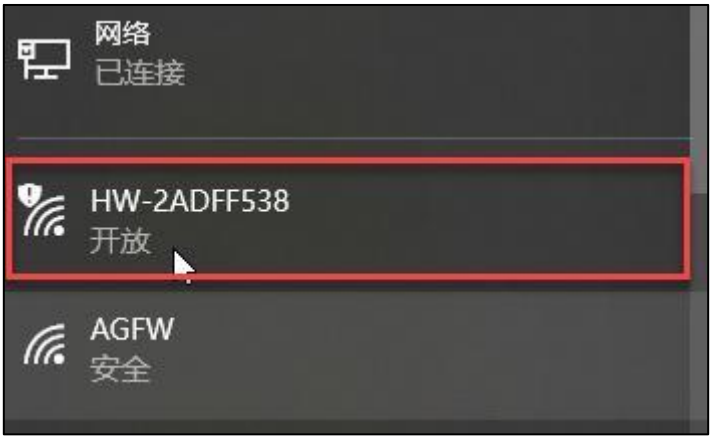
You can find Notepad installation package under the same directory and install it directly.

4) After opening the file, modify and save it according to the figure shown on the right:



Note: The “.” in “band：2.4” must be entered under English input method.

5) After modifying, insert the SD card into Raspberry Pi and wait for the reboot to finish. Then you can search the the hotspot generated by Raspberry Pi.



If need to modify back to 5G frequency band, you can refer to the same operation method above.