RAK473 Use Guidance
Configure the Router with WPS

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1. Configure the Router with WPS

1.1 General

In this part, it is introduced how to use the WPS function of the router to configure the module to this router.

1.2 Operating instruction

Tips:

1. When the command control module is sent via MCU, the characters "\r\n" are as the ending characters for the command;

2. When the command control module is sent via the serial port tool, press the Enter key as the ending character for the command;

3. The information returned following the command can be presented in ASCII code for easy viewing. If the information display is not comprehensive or garbled, there may be special characters, Chinese characters and so on in the returned information, so please view in the hexadecimal form.

Please bear in mind the points above, which will not be repeated any more.

1.3 Operating steps

Tips:

1.Power up the module. Start up and return to Welcome to RAK473. The returned information can also be viewed in the hexadecimal system form. （57 65 6C 63 6F 6D 65 20 74 6F 20 52 41 4B 34 37 33 0D 0A ）。

2.Press once the WPS button on the router (There is no WPS button or it is not enabled on some routers, but it can be enabled by accessing the router configuration page, of which the setting method can be viewed in the router's manual）。

3.Send the WPS configuration command (Figure 1-1), to make the module enter the state of WPS configuration.

Send: at+wps\r\n

Return: OK... (For the hexadecimal system one, it is 4F 4B.... For the detailed information behind OK, please view the corresponding programming manual)

If the configuration is successful, it will return to OK+... (Figure 1-2); if the configuration fails, it will return to ERROR.
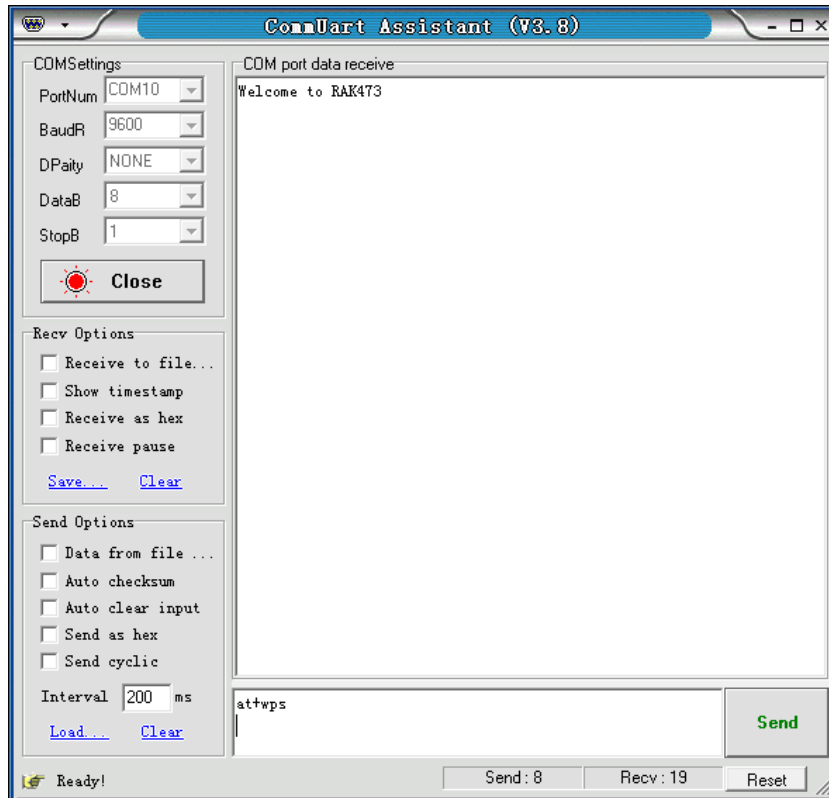
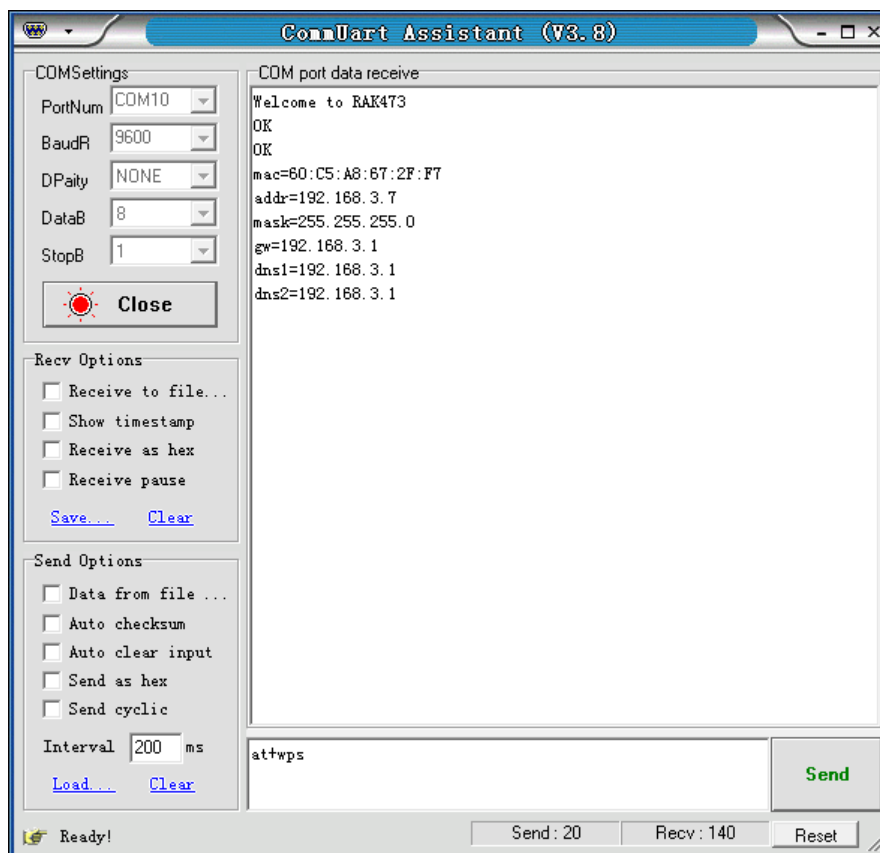Figure 1-1 Schematic of the serial port to send the command

Figure 1-2 Returned data after the success of WPS (It is needed to send at+ascii=1 first to open the ascii display function of the module)

4. After the configuration is completed, data transmit-receive test can be carried out, which will not be repeated here.

2.Version

Version	Author	Date	Content modification
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