RAK473 Use Guidance

Set the Baud Rate of the Module

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1. Set the Baud Rate of the Module

1.1 General

In this part, two methods to set the baud rate of the module are introduced.

Method 1: Set the baud rate of the module with the serial port command; Method 2: Set the baud rate of the module with the PC configuration tool.

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 Set the baud rate of the module with the serial port command

1.Power up the module, open the serial port, and start up to return to Welcome to RAK473 (Welcome to RAK476).

2.Send the "configure UART parameters" command (Figure 1-1), to configure the UART parameters.

Send: at+uartconfig=<baud rate>,<data bits>,<stopbits>,<parity>,<flow ctrol>\r\n

Return:OK

Note: The baud rate modified by this command is effective this time, and will be back to the factory default value after the restart of the module.
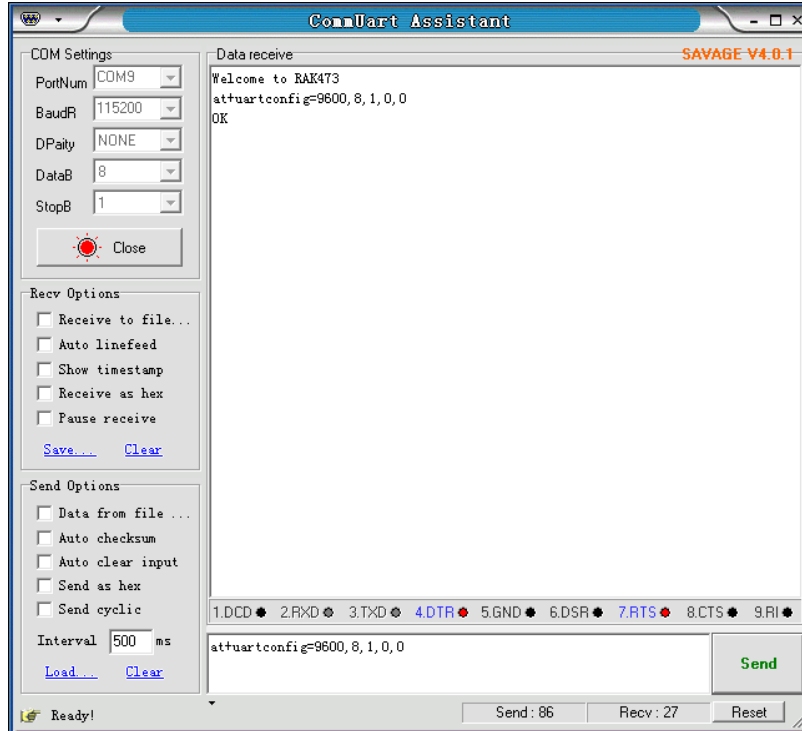
Figure 1-1 Set the baud rate of the module with the serial port command

3.Send the "configure storage UART parameters" command (Figure 1-2), to configure the UART parameters.

Send: at+store_uartconfig=<baud rate>,<data bits>,<stopbits>,<parity>,<flow ctrol>\r\n

Return:OK

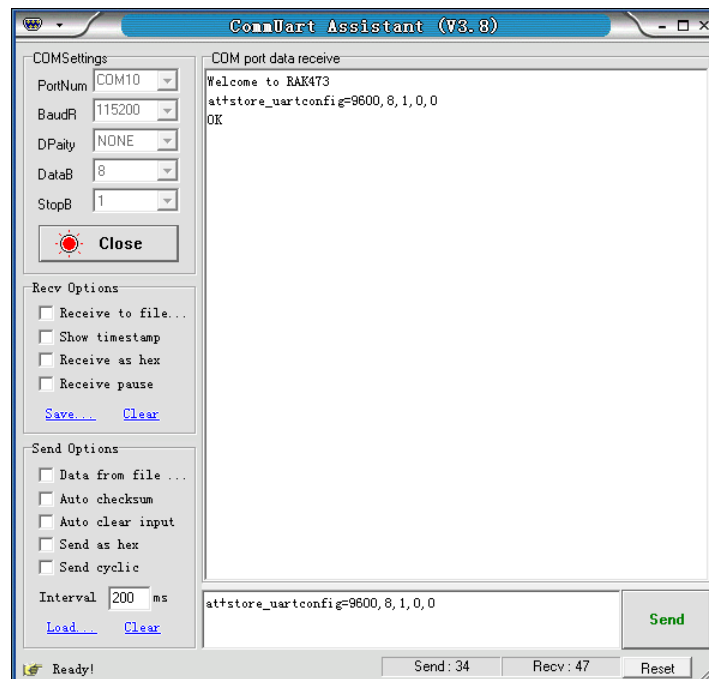Note: The baud rate modified by this command will become effective after the restart of the module.

Figure 1-2 The baud rate of the module set with the serial port command

1.4 Set the baud rate of the module with PC configuration tool

1.Connect the serial port.

2.Operate in sequence as shown in Figure 1-3

(1) Set the port number and baud rate of the current module, and open the serial port.

(2) Click the "Advanced Setting" button, and access the page of setting the serial port parameters.

(3) Set the serial port parameters.

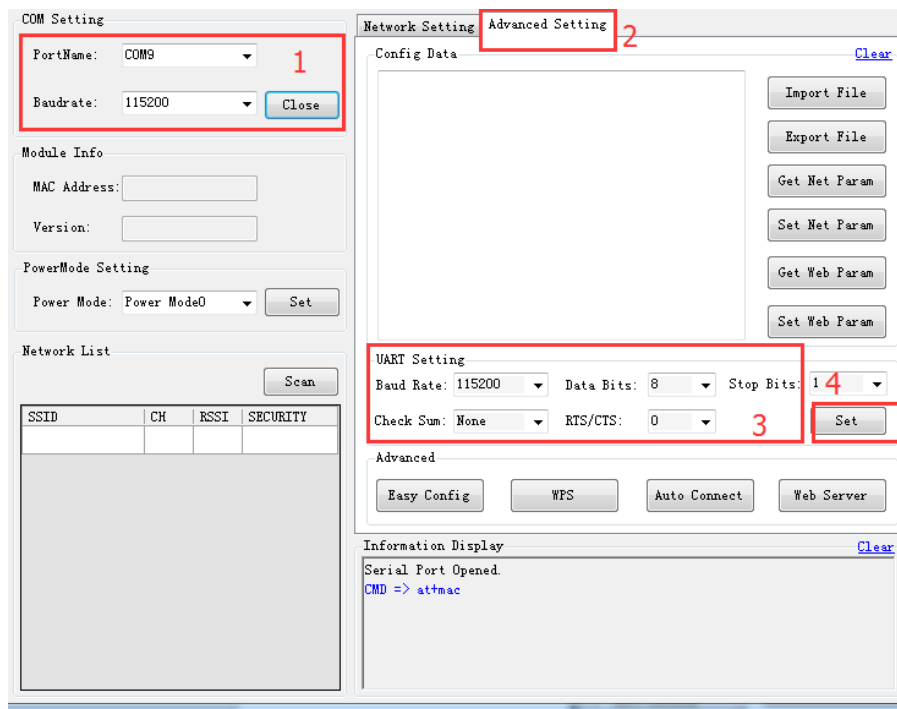(4) Click the "Set" button to make the setting become effective.

Figure 1-3 Evaluation of the operation steps of setting the baud rate of the module with PC

Version

Version	Author	Date	Content modification
V1.0	Lianbo Wang	2016/02/02	Create a document
V1.1	Xiaocheng Cao	2016/10/13	Modify some of the details