

6.1 Introduction to AT command

AT commands are commands used for connection and communication between terminal equipment and PC applications. Each AT command line can only contain one AT command. For sending AT commands, in addition to the two AT characters, it can receive up to 1056 characters in length (including the last empty character).

Each AT command must occupy a separate line, starting with AT, and ending with press enter keyboard to wrap.

The following is an introduction to some commonly used AT command parameters.

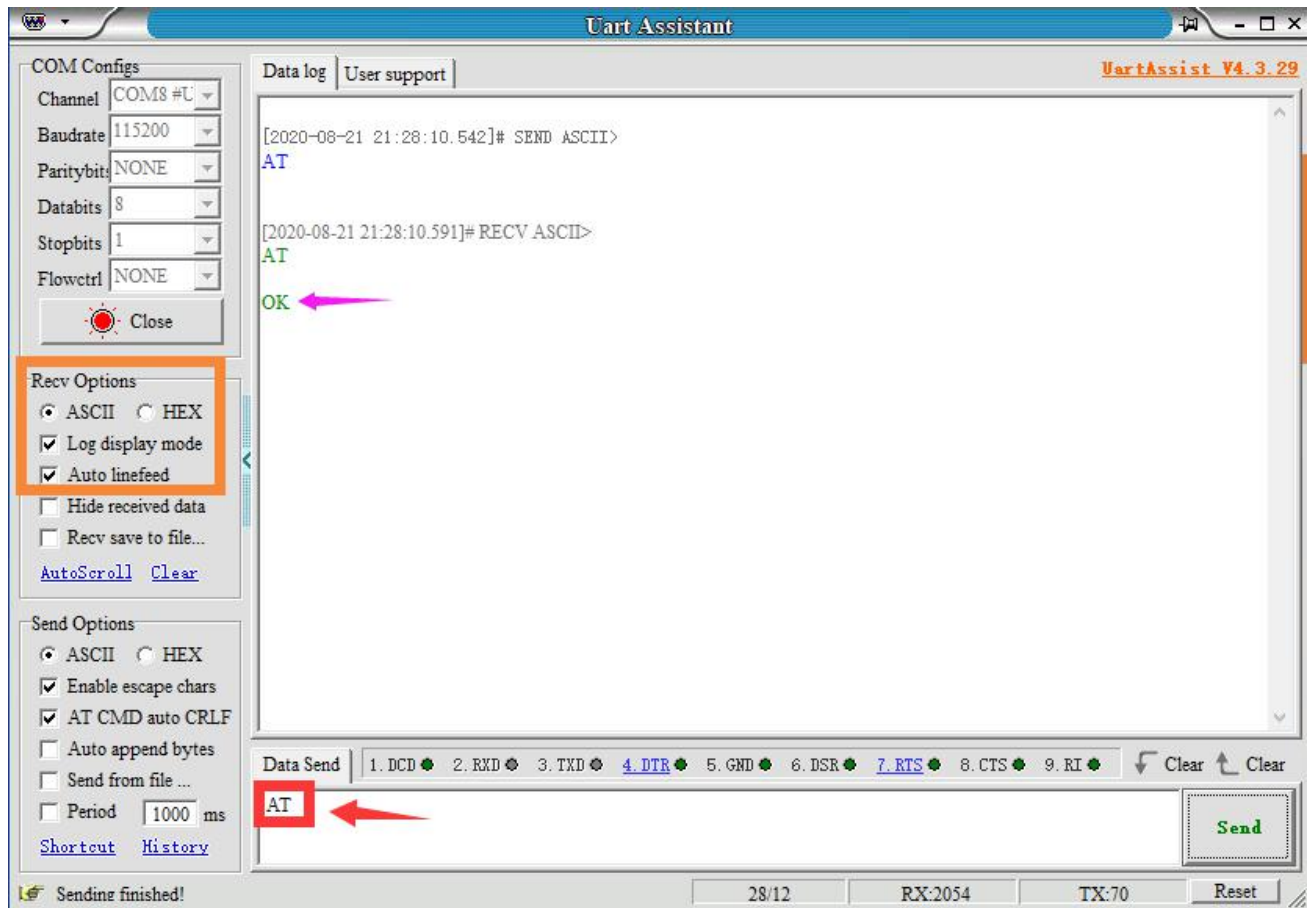
For specific AT commands, you can check the files in the AT command of WIFI module folder.

Note: Before you test these command, you need to write “wifi_AT.bin” into K210 board.

1. Basic instructions

1.1 AT

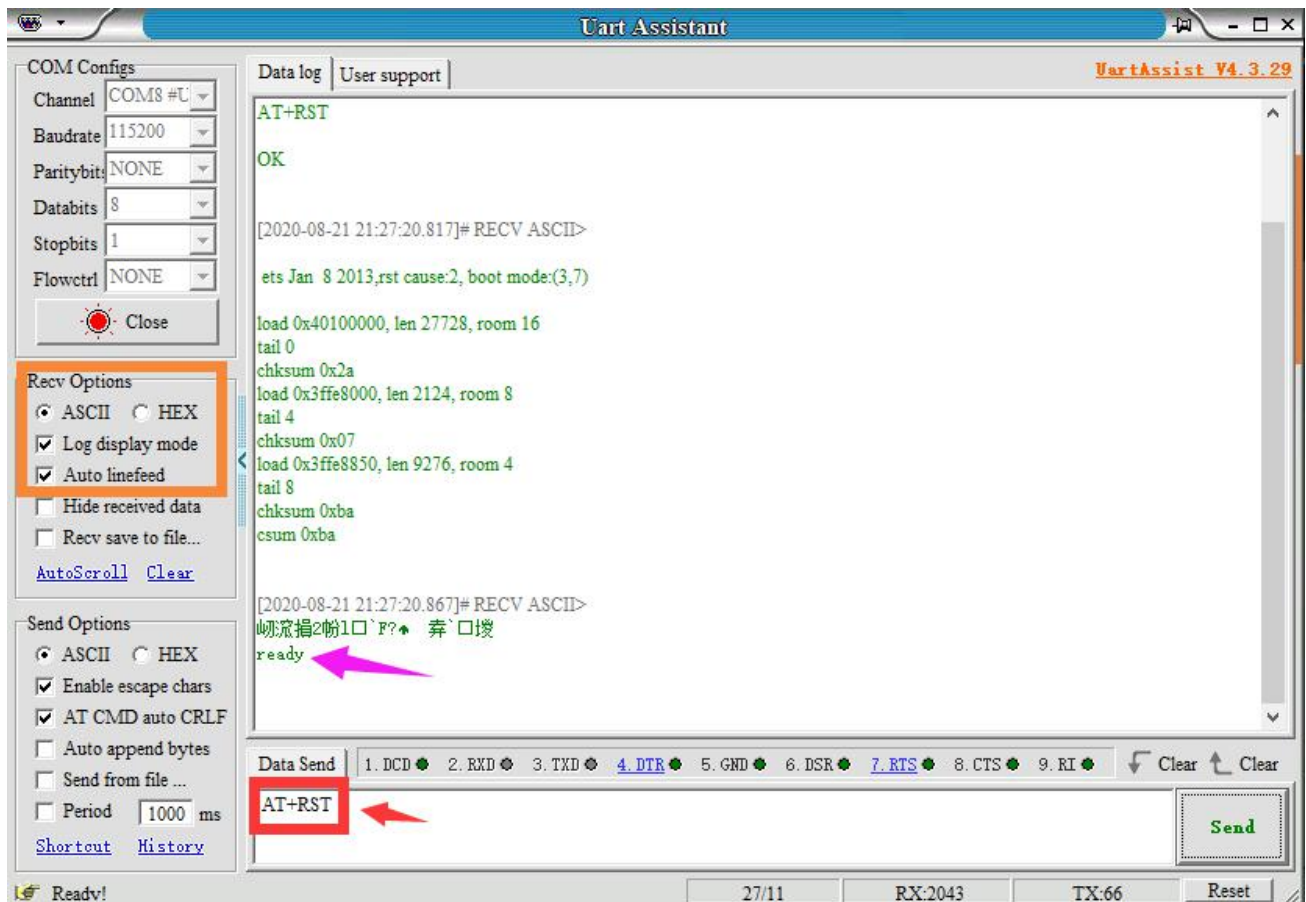
Test whether the AT instruction is normal, when normal, it will return OK.



1.2 AT+RST

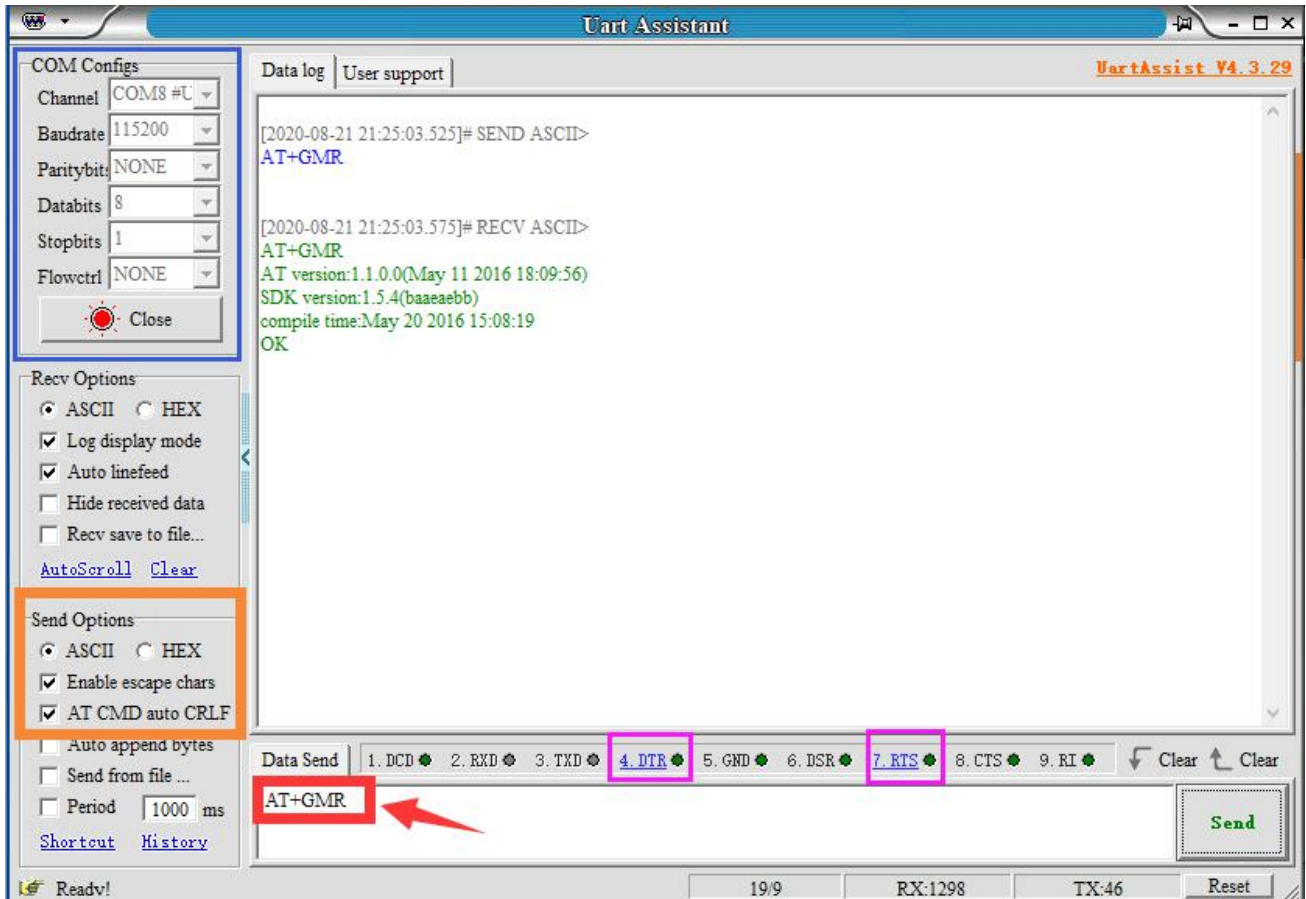
Restart WIFI module, return OK.

As shown below.



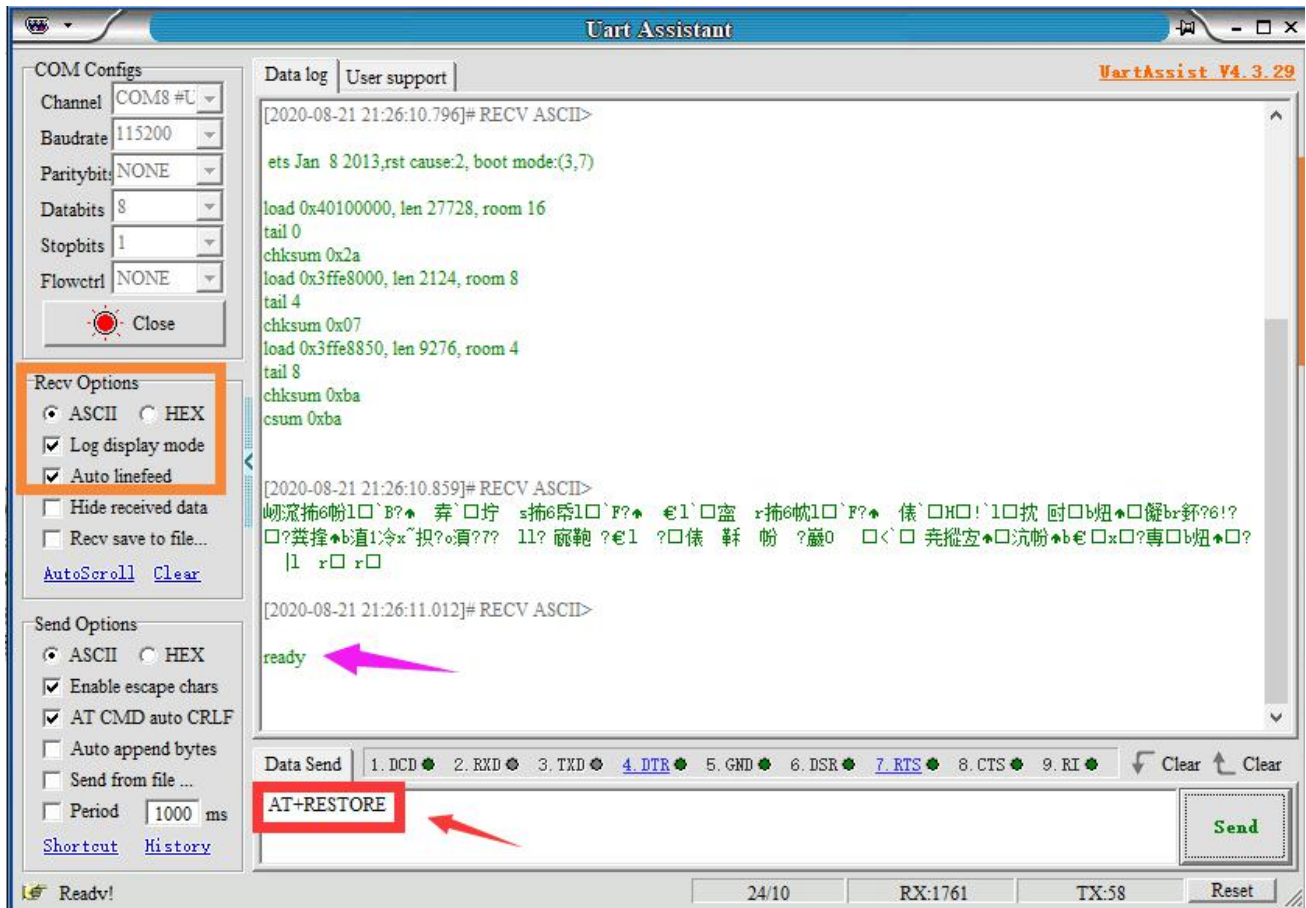
1.3 AT+GMR

View version information, display current version number, return OK.
As shown below.



1.4 AT+RESTORE

Restore factory Settings, return ready. As shown below.

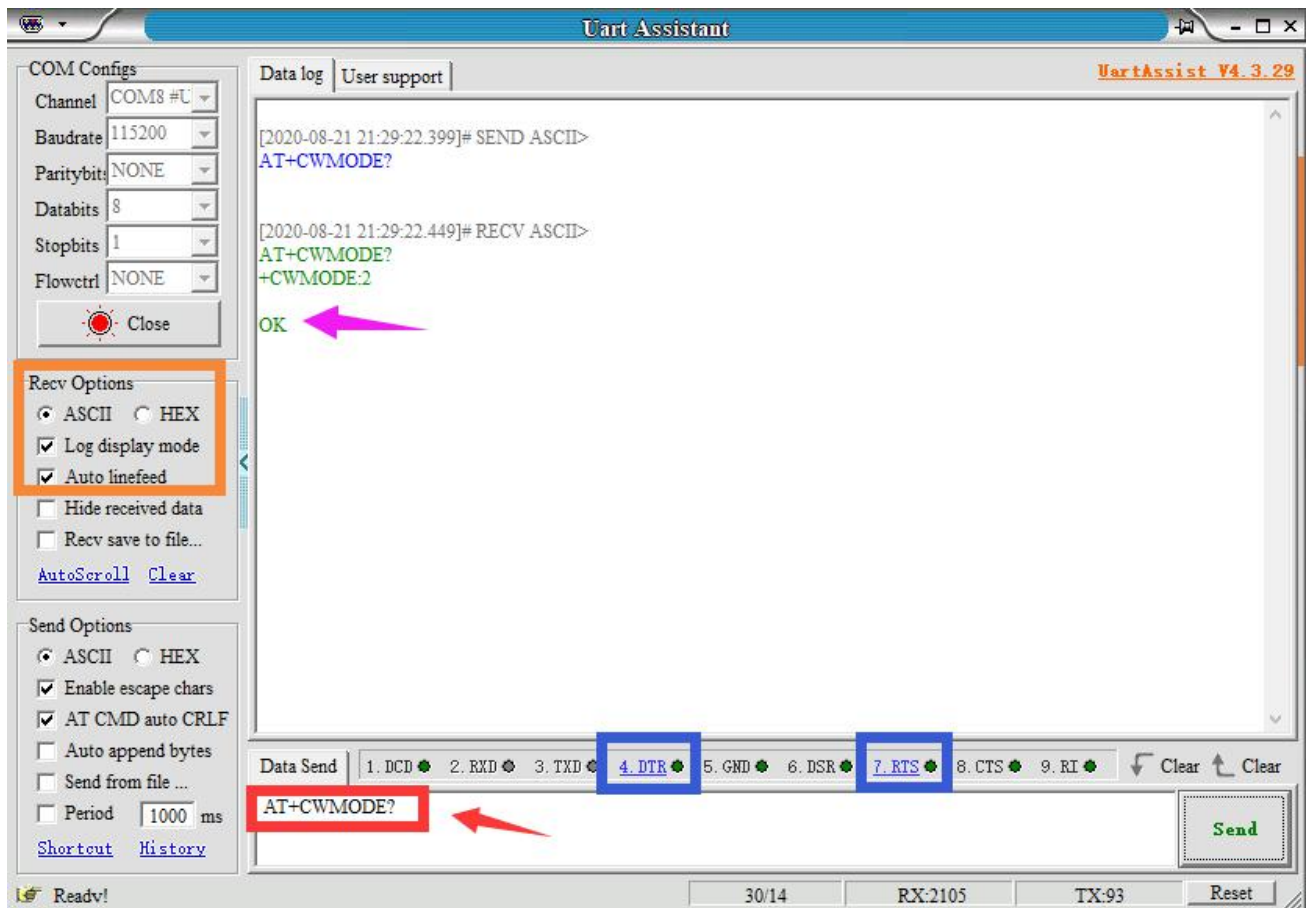


2. WiFi function AT instructions

2.1 AT+CWMODE?

View WIFI application mode, return + CWMODE:OK

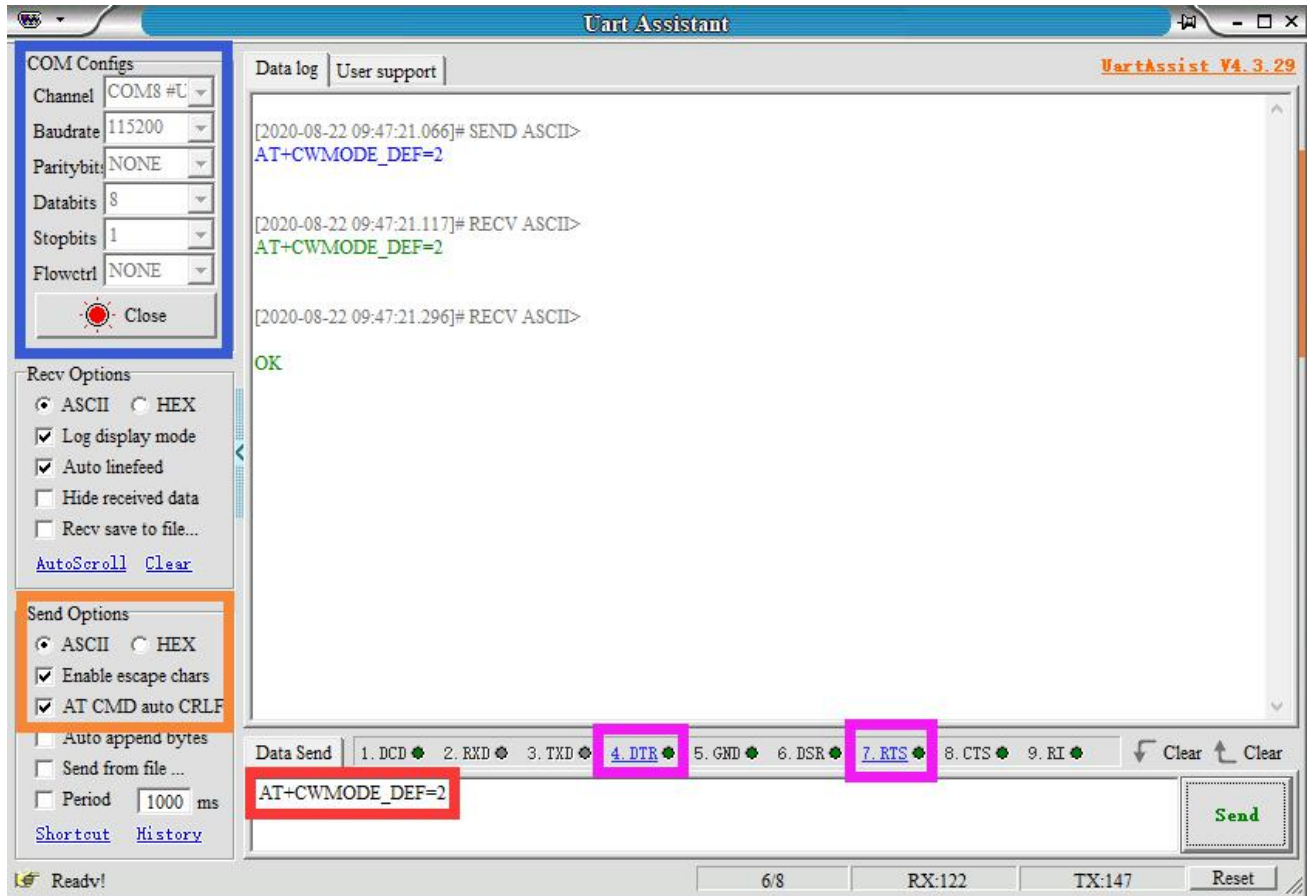
As shown below.



2.2 AT+CWMODE_DEF=XXX

Set the wifi application mode, return to OK. The command will take effect after restarting mode:

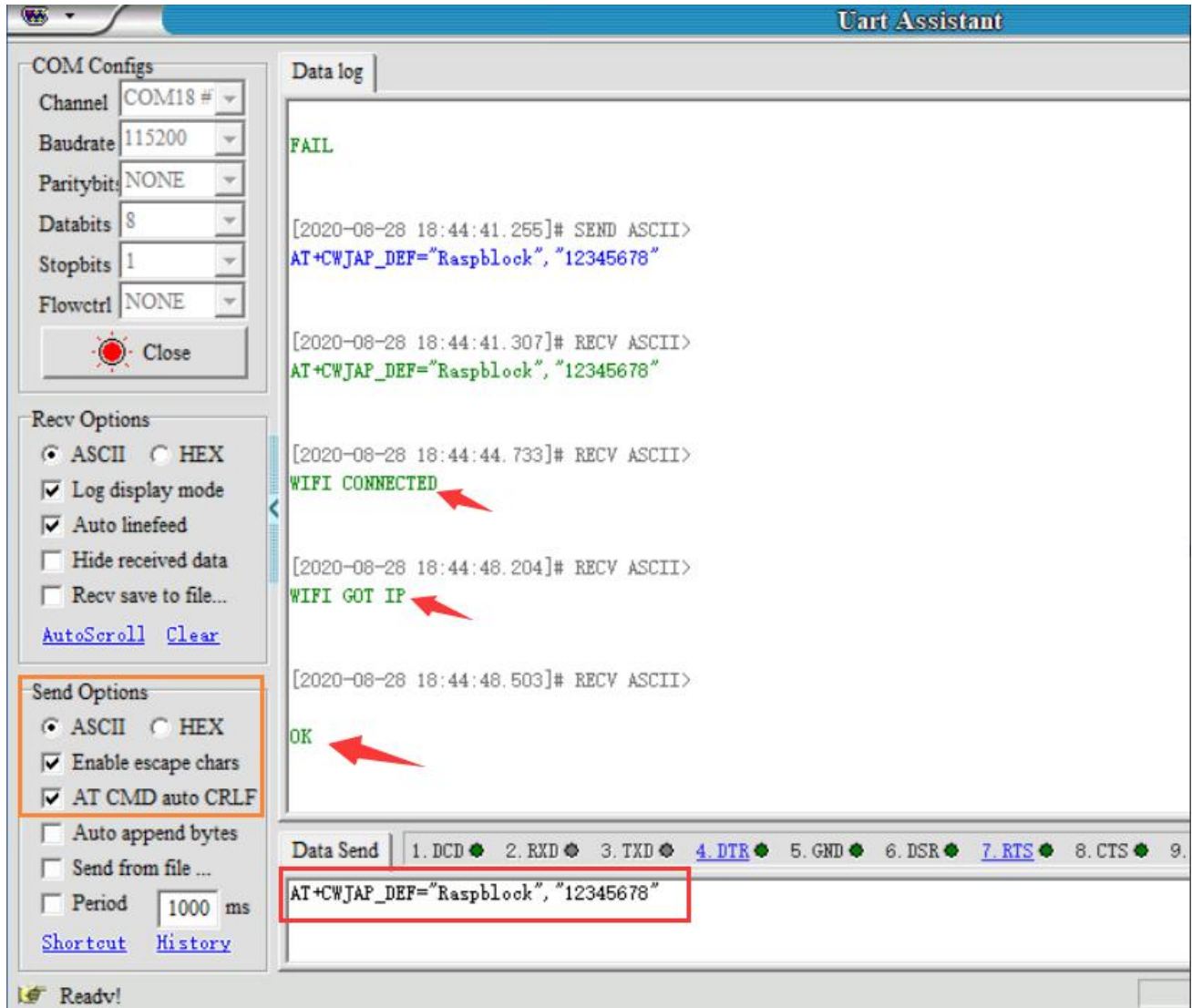
- 1 - Station mode (Only connect to your home WIFI)
- 2 - AP mode (Self-heating point)
- 3 - AP+Station mode



Tip: This command will be written to the flash, restarting can save the setting status.

2.3 **AT+CWMODE_DEF="WiFi signal", "WiFi password"**

Connect to WiFi and save it to flash. (Valid when CWMODE=1/3)



2.4 AT+CWLAP

Scan the surrounding WiFi hotspots. (Valid when CWMODE=1/3)

2.5 AT+CWQAP

Disconnect WiFi connection. (Valid when CWMODE=1/3)

3. As a client

3.1 AT+CIPSTART="TCP","server IP", remote port number
connect to TCP server.

3.2 AT+CIPCLOSE: Disconnect the TCP connection.

3.3 AT+SAVETRANSLINK=1, "server IP", remote port number, "TCP"

Connect to the server, open the transparent transmission mode, write to the flash, start automatically after booting, and it need to restart the WiFi module to be effective.

3.4 +++

Exit the transparent transmission mode, **no choose AT CMD auto CRLF.**

4. As a server

4.1 AT+CIPMUX=1

Open a multi-terminal connection.

4.2 AT+CIPSERVER=1, remote port number

Open server mode.