Fast Track Your Wireless Project

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Firmware Evaluation Tool User Guide

Amp’ed RF Technology.

To configure this program,

Please follow these steps:

1. Please open the program named XXXX，it will appear with following window. (See Figure 1)
2. Choose profile from Profile box, options include: A, B, C, D etc. (See Figure 1)

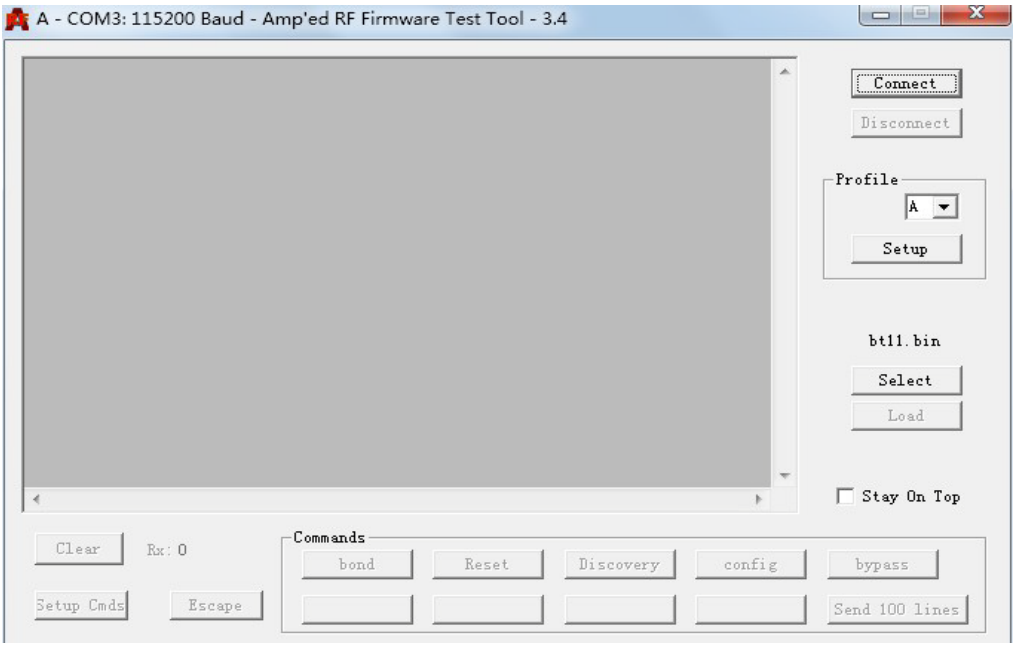

Figure 1.Primary Window

3. Click on “Setup” button, the program configuration window will appear.(See Figure 2.) The configuration can be stored in the registry of user’s computer for later use.

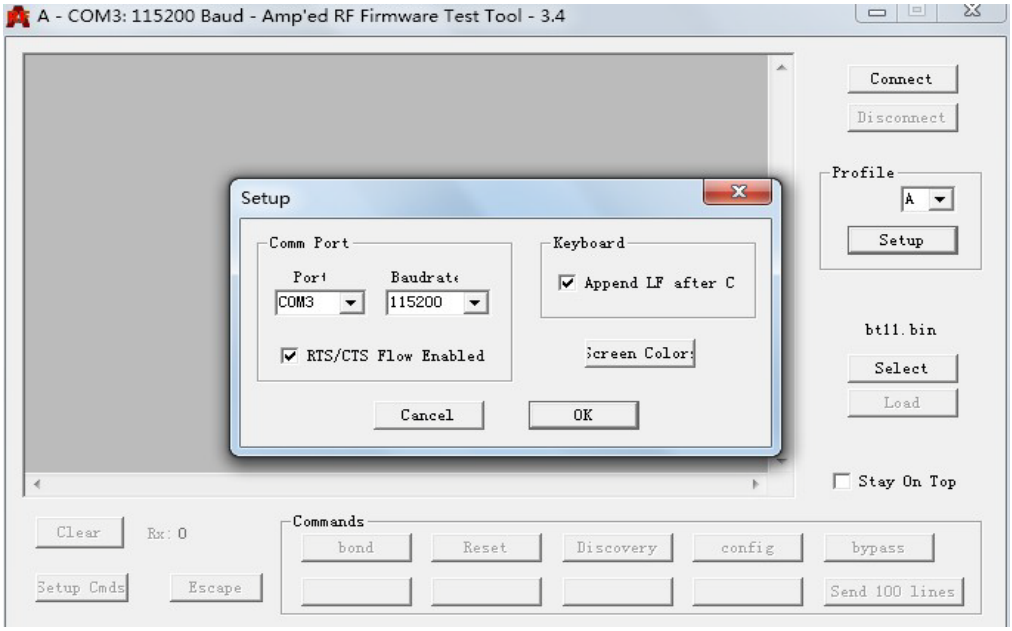

Figure 2. Configuration Window

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3.1. Choose the proper “Communication port” and “Baud rate”.

3.2. Control RTS/CTS flow

- To enable the RTS/CTS flow: tick in the small box.
- To disable the RTS/CTS flow: leave the box blank.

3.3. Control LF after CR

- To enable LF after CR: tick in the small box.
- To disable LF after CR: leave the box blank.

3.4. Choose the screen colors for background and text. Example below (See Figure 3.)

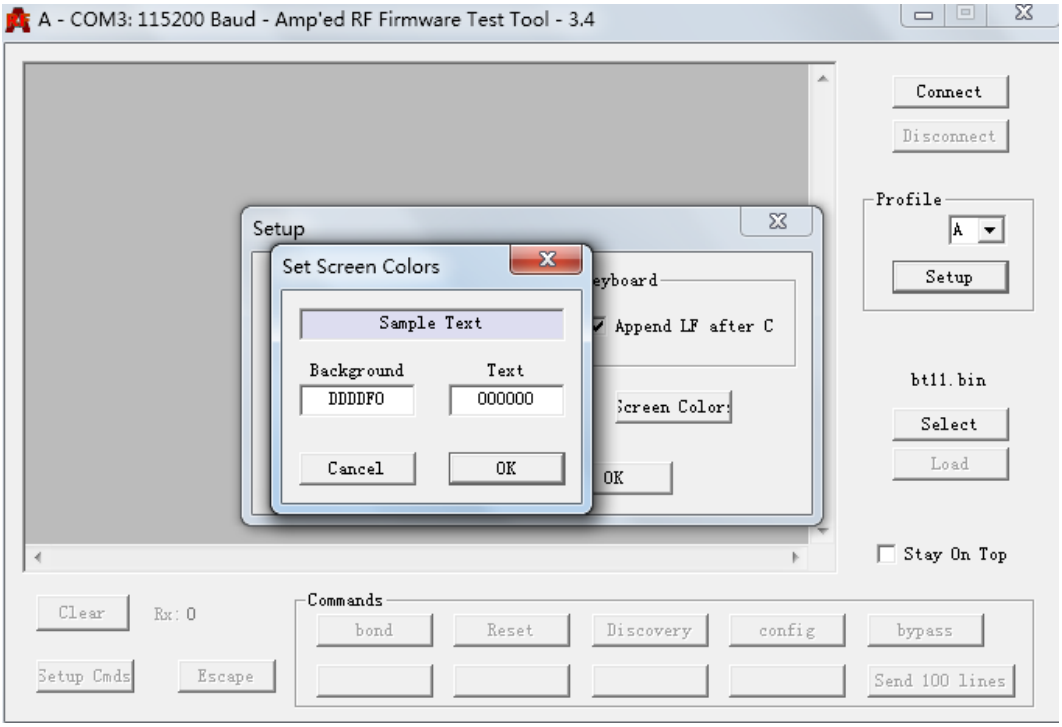

Figure 3. Screen Colors

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4. After the program configuration, click on “Connect” to establish a serial connection from com port to BT module.

5. Click on “Select” to choose file to download, then click on “load” to download the firmware to the BT module.(See Figure 4.)

   Please check the version of the firmware file first.

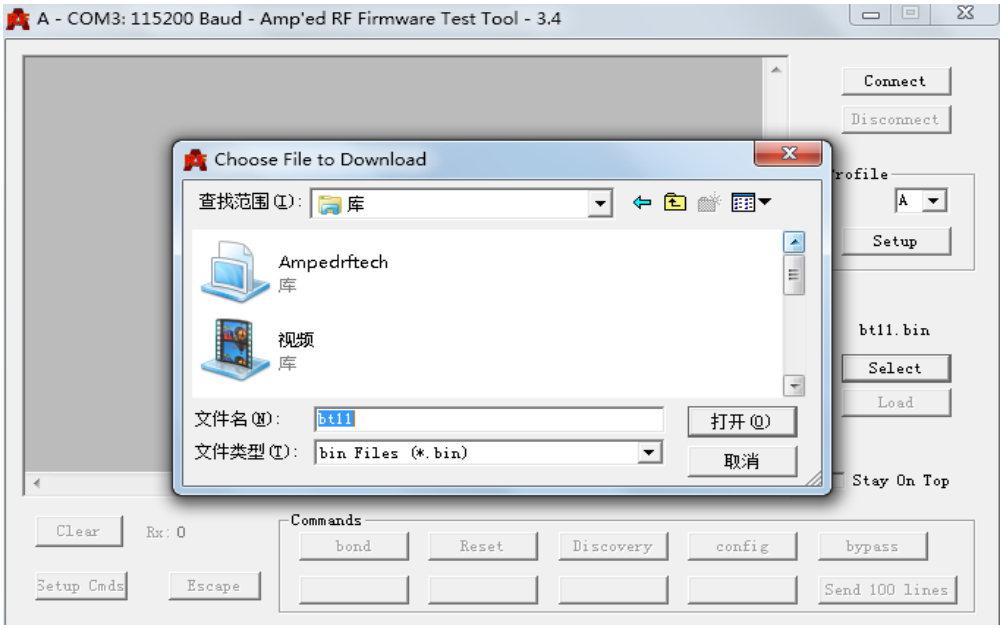

Figure 4. Firmware Download

6. Click on “Setup Cmds ” to add in the commands that will be used most often. These commands will appear as some items. (See Figure 5.)

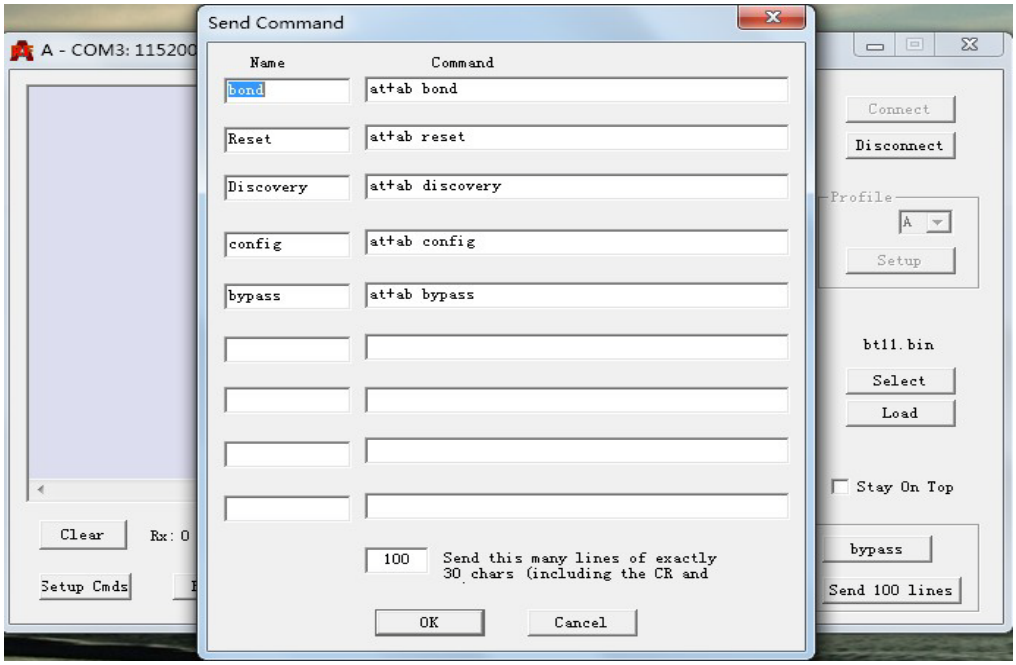

Figure 5. Setup Commands

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7. Optional items:

7.1. Control "stay on top"

To make the program window stay on top : Enable the small box.

Otherwise leave the box blank.

7.2. Click on "Clear" **to clear the program window.**

8. Here's an example in point-to-point mode:

8.1. Check the configuration of the BT module that connected with the PC.(See Figure 6.) abserial Configuration Guide

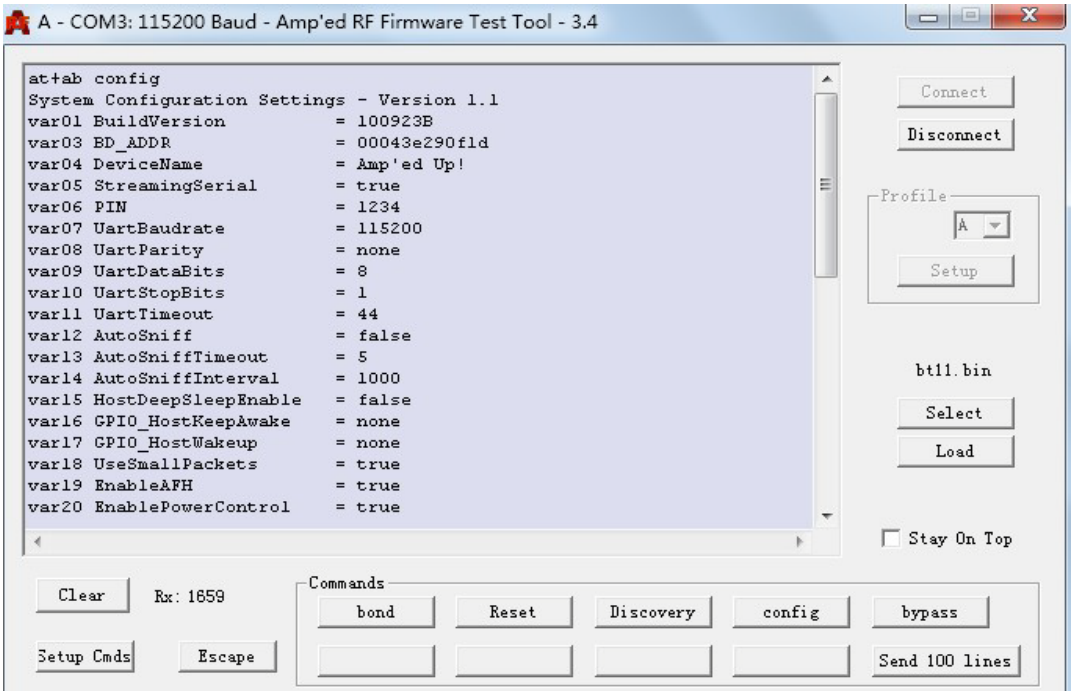

Figure 6. System Configuration

8.2. Search the other BT devices and their information.(See Figure 7.)

Type "at+ab discovery", please wait 10 seconds for searching.

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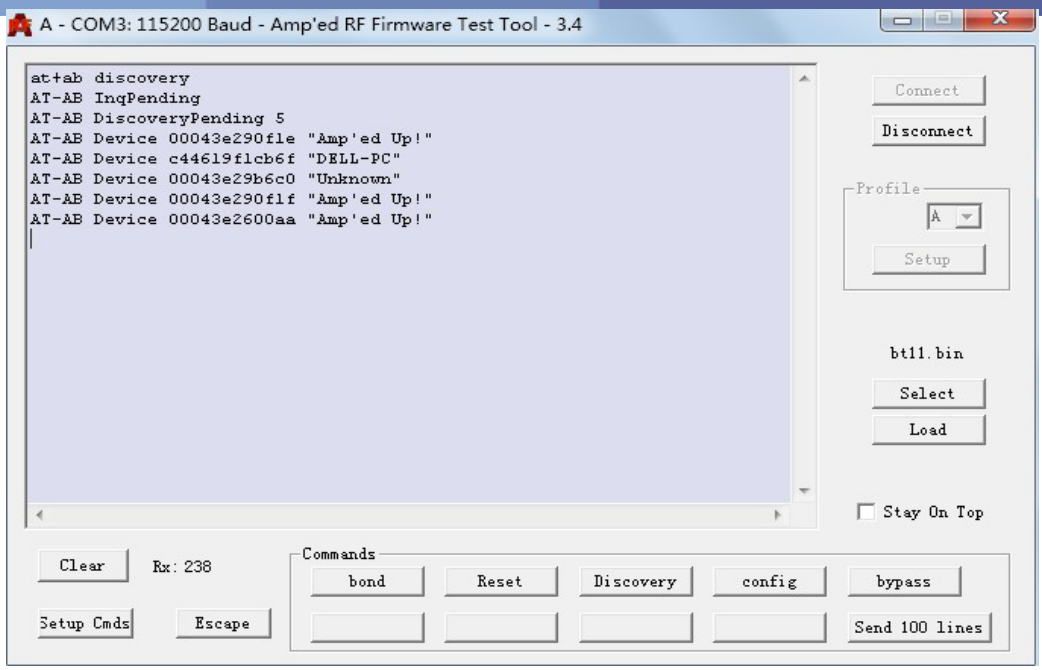

Figure 7.

8.3. Establish a SPPConnect with the specified device.(See Figure 8.)

Type “at+ab sppconnect [BD Addr]”, and the system goes into Bypass mode.

[abserial Reference Guide]

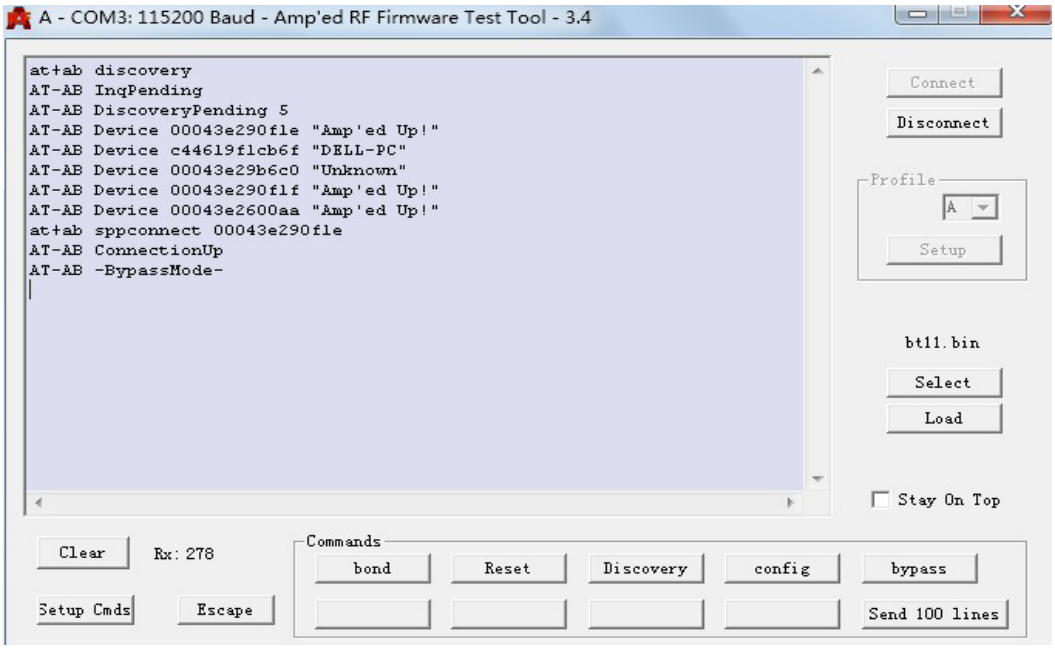

Figure 8.

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8.4. Data transfer in Bypass mode.(See Figure 9.)

Type “Amp’ed RF Tech” , and the words will appear in the window of the host.

abserial Reference Guide

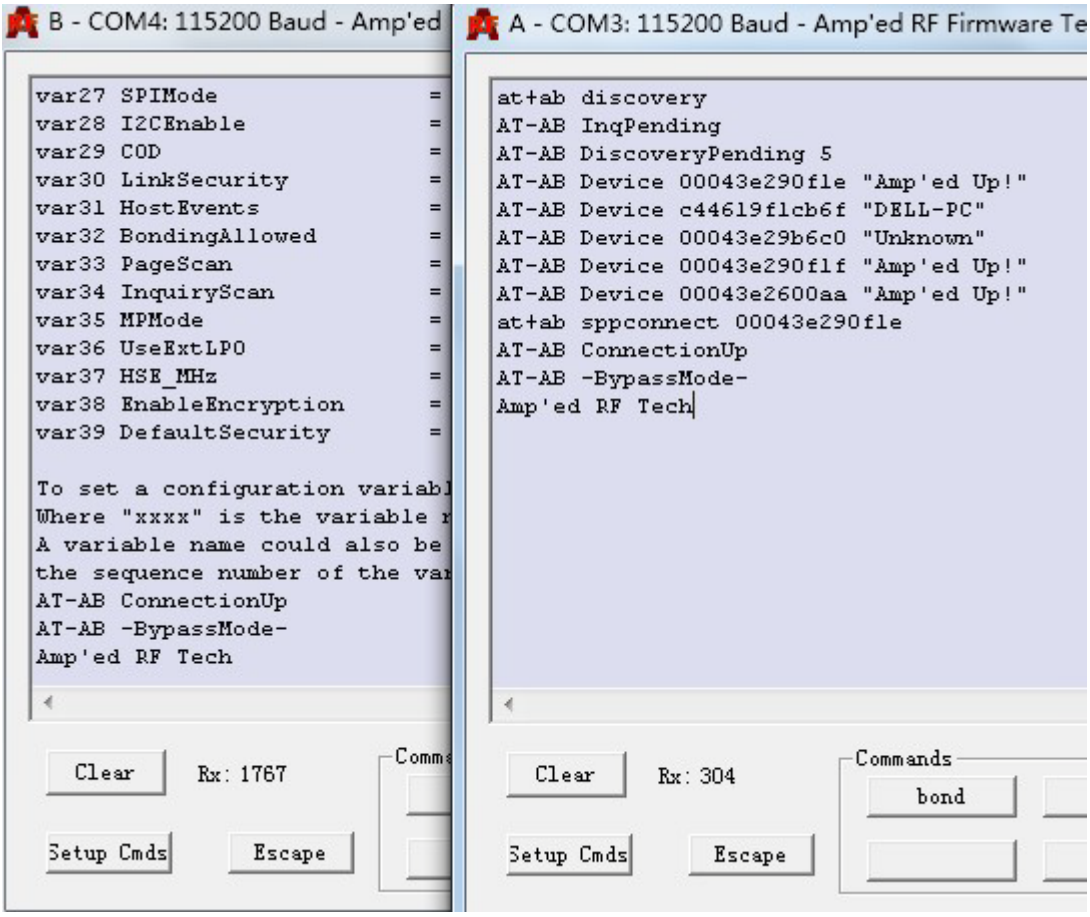

Figure 9. Host(Left) and slave(Right)

8.5. Escape from Bypass ,and go into Command mode(See Figure 10.)

Click on “Escape” abserial Reference Guide

Figure 10.

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8.6. Disconnect the BT module to another module. (See Figure 11.)

Type “at+ab sppdisconnect” abserial Reference Guide

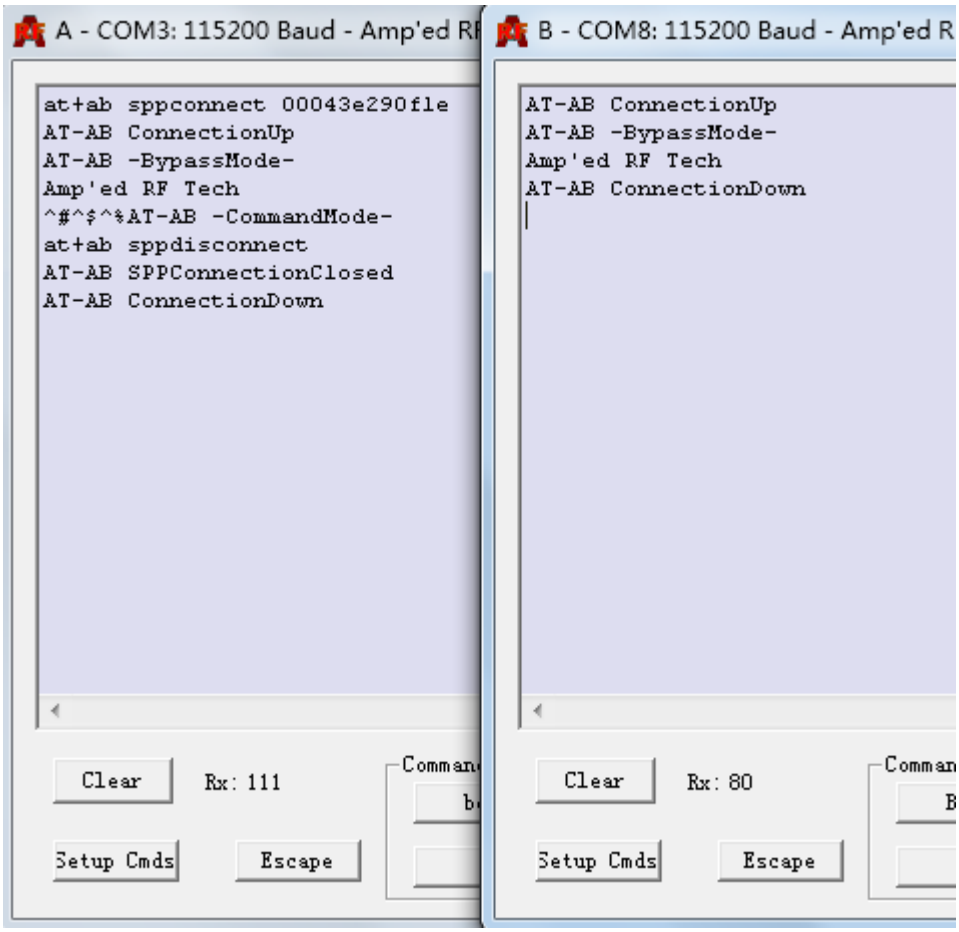

Figure 11.

8.7. Disconnect between the PC and BT module.

Click on “Disconnect”, and the program window will turn back to gray.

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