WIZSmartScript Description

(Version 1.0)

Document Revision History

| Date	Revision	Changes
2011-06-03	V1.0	Official Release

<Contents>

1. Basic Mode
1-1) Run Program

1. **If you run the WIZSmartScript program, you can see the KEY Confirm Dialog as shown below.**
2. **If you enter the received CODE and KEY, you can operate the program in normal mode.**
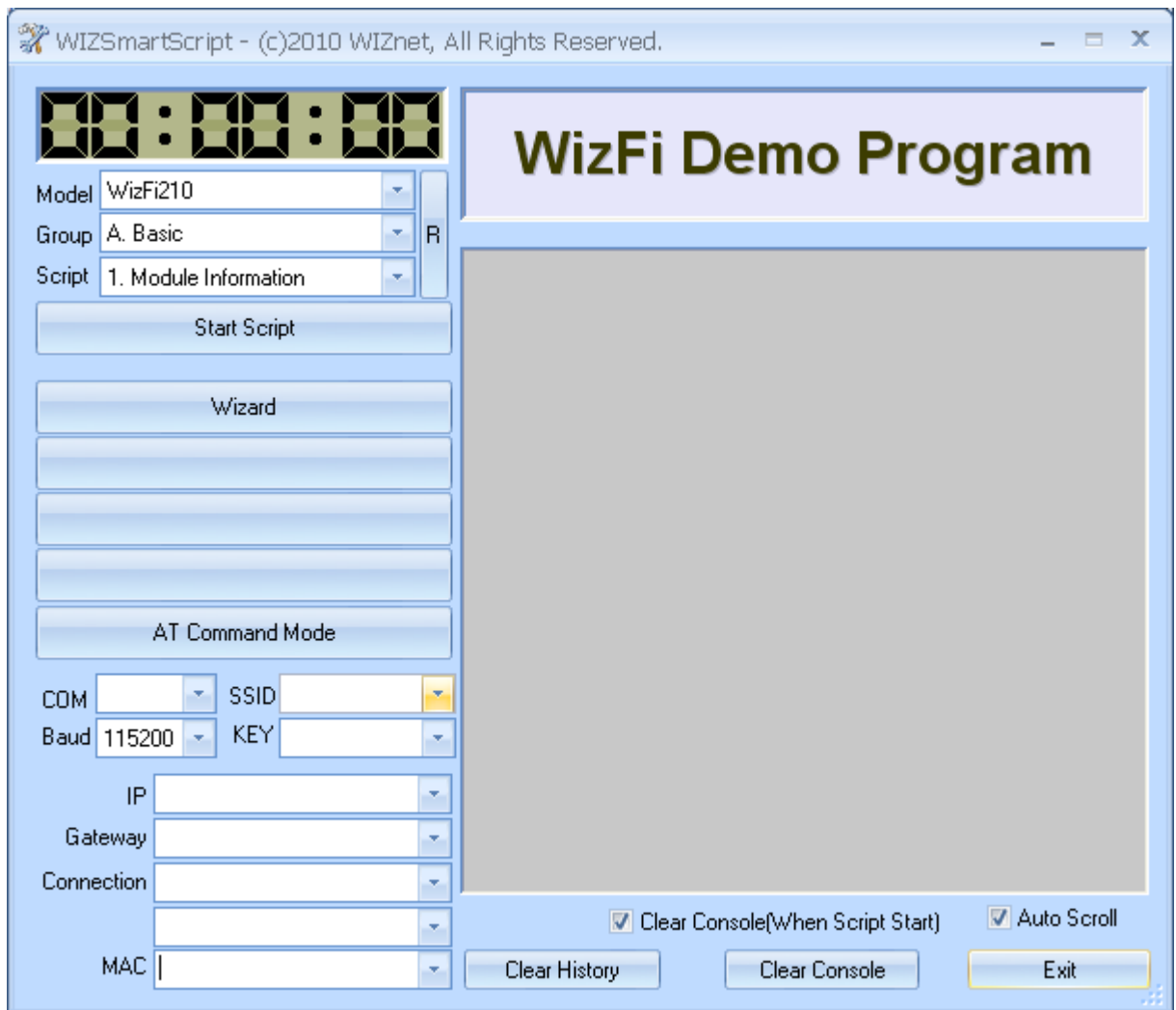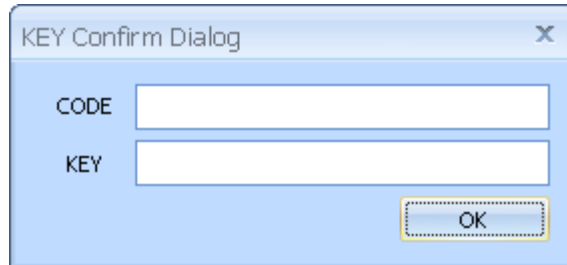
1-2) Check basic information

1. **Input the COM port of PC and baud rate. (Default Baud Rate : 115200)**
2. **Select "WizFi210" for Model, "A. Basic" for Group and "1. Module Information" for Script.**
3. **If you click "Start Script", you can see the basic information of WizFi210 as below.**
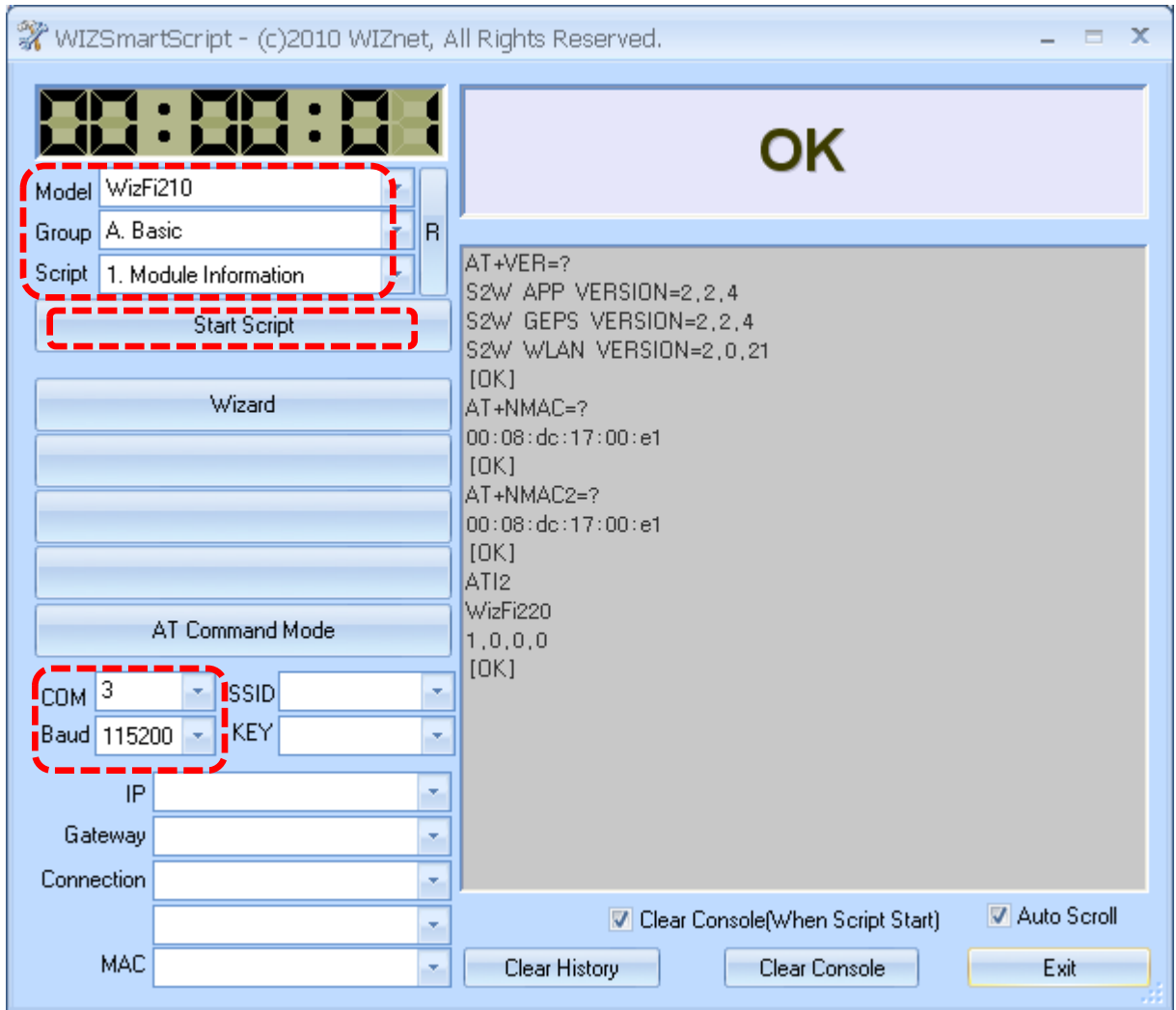
1-3) Scan AP

1. Select "WizFi210" for Model, "B. Function" for Group and "1. AP Scan" for Script.
2. If you click "Start Script", you can see the neighboring AP list.

1-4) Associate to AP with DHCP

1. **Select "C. Association" and "1. WPA, DHCP".**
2. **Enter the valid value into the SSID and Key field.**
3. **If you click "Start Script", WizFi210 will associate to the AP with DHCP and you can see the process as below.**

1-5) Associate to AP with Static IP

1. **Select "C. Association" and "2. WPA, Static IP".**
2. **Enter the valid value into the SSID and Key field.**
3. **Enter the valid value into the IP and Gateway field.**
4. **If you click "Start Script", WizFi210 will associate to the AP with static IP and you can see the process as below.**

1-6) Launch Auto Connection (1/2)

1. **Select "D. Auto Connection" and "1. WPA, Static IP, Raw Option".**
2. **Enter the valid value into the SSID and Key field.**
3. **Enter the valid value into the IP and Gateway field.**
4. **Enter the connection type into the Connection field.**
5. **If you click "Start Script", WizFi210 will associate to the AP with static IP and prepare the serial-to-wifi channel. (TCP, Server, Port 5000)**

<Examples of Connection Type>

1,1,,5000	: Server, TCP, Listen Port 5000
1,0,,5000	: Server, UDP, Listen Port 5000
0,1,192.168.3.100,5000	: Client, TCP, Connect to 192.168.3.100:5000

1-7) Launch **Auto Connection (2/2)**

1. **Run the serial terminal program and connect to the COM port.**
2. **Run the TCP client program and connect to the WizFi210. (192.168.3.201:5000)**
3. **Confirm the two-way data communication with the programs.**

```
COM3 Ready!
1234567890
```

Serial Terminal Program

```
Trying 192.168.3.201 (PORT:5000)...
Connected to 192.168.3.201...
abcdefgh█
```
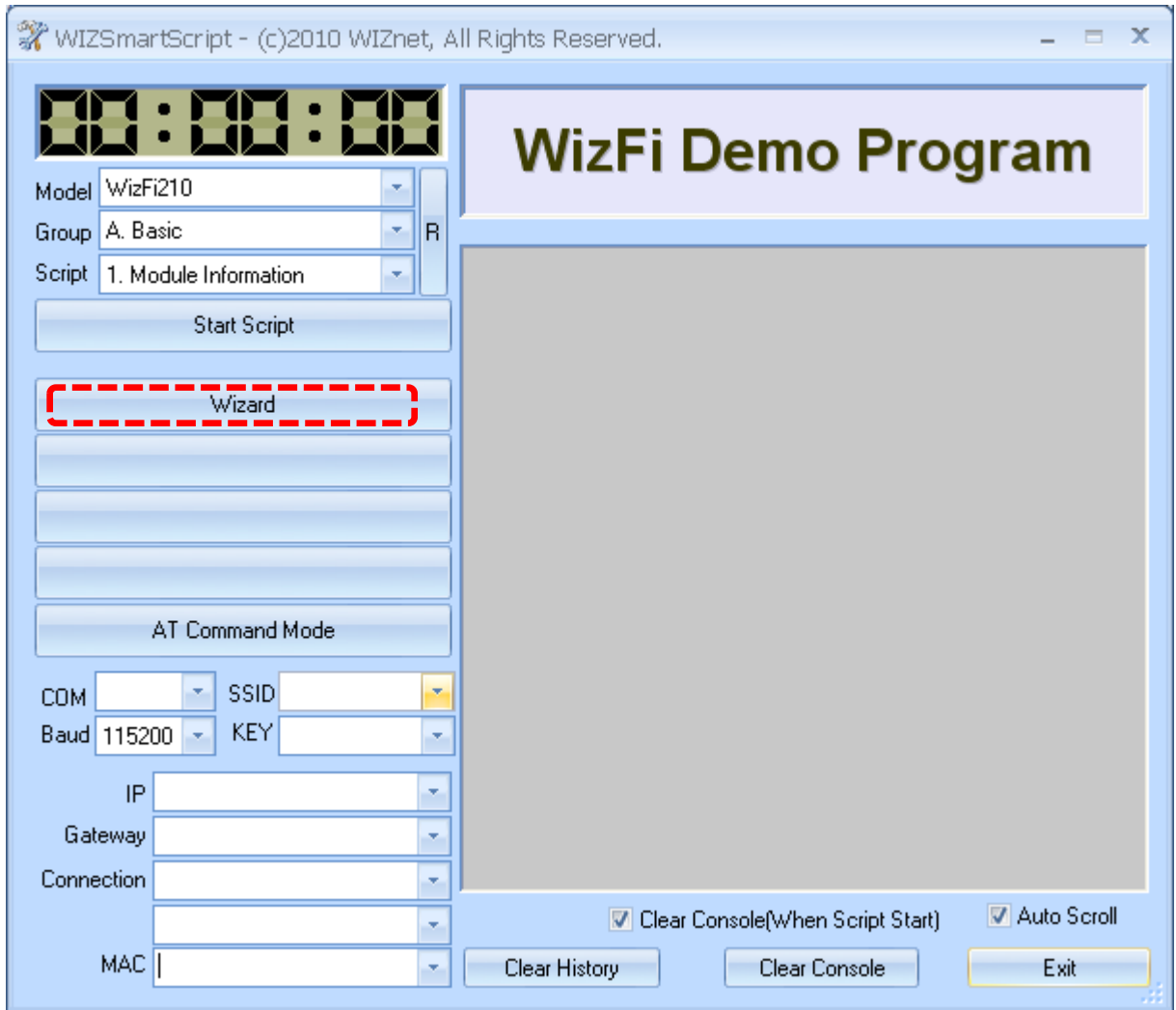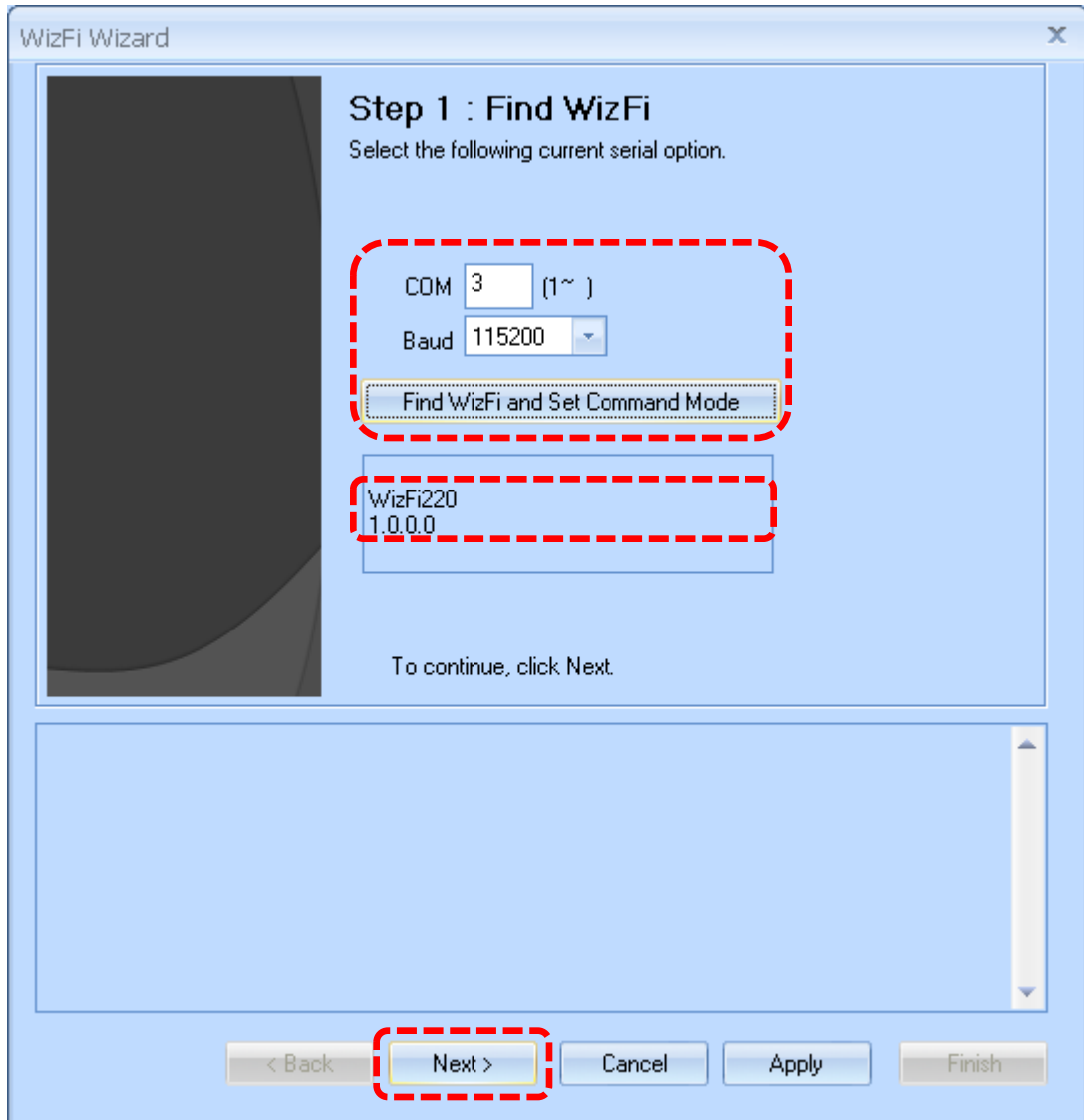
Telnet Client Program

2. Wizard Mode
2-1) Run Wizard

1. **If you click "Wizard" button, Wizard mode of WIZSmartScript will launch.**

2-2) Step 1 : Find WizFi

1. **Turn on the WizFi210 and connect the serial cable to the PC.**
2. **Enter the valid value into the COM and Baud field and click "Find WizFi and Set Command Mode" button.**
3. **If there is no error, you can see the WizFi model name and version of WizFi210(or WizFi220) as shown below.**
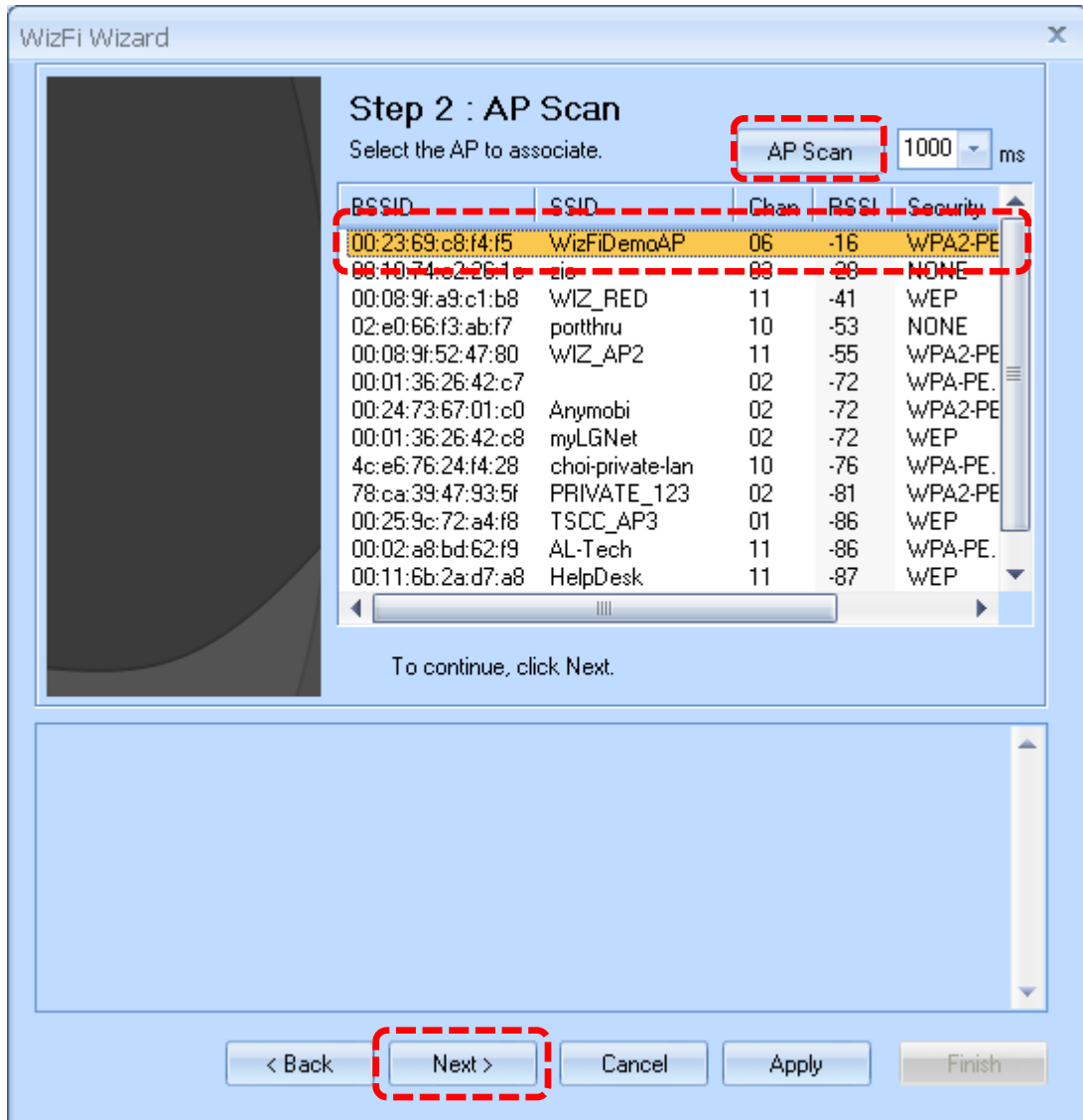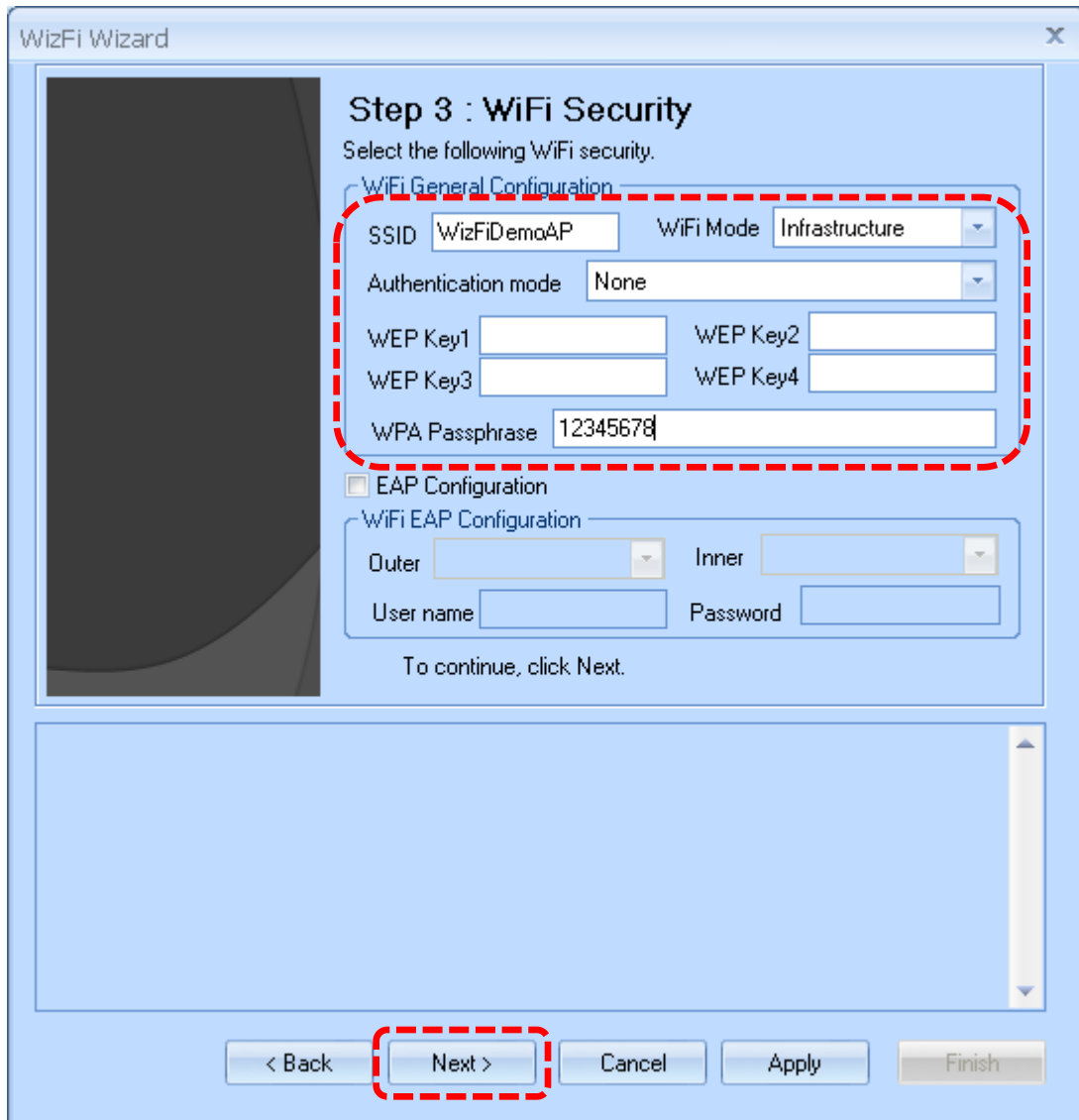4. **Click "Next" button for next step.**

2-3) Step 2 : AP Scan

1. **Click "AP Scan" button for searching the neighboring APs.**
2. **Select a AP to connect to.**
3. **Click "Next" button for next step.**

2-4) Step 3 : WiFi Security

1. **Enter the valid value into the WiFi security field.**
2. **If needed, check the EAP Configuration.**
3. **Click "Next" button for next step.**

2-5) Step 4 : WiFi Network

1. **Configure IP address of WizFi210.(DHCP or Static IP)**
2. **Click "Next" button for next step.**

2-6) Step 5 : Serial Port

1. **If needed, Change the baud rate of WizFi210.**
2. **Click "Next" button for next step.**

2-7) Step 6 : S2W Channel

1. **Configure serial-to-wifi channel option. (protocol, mode, IP and port)**
2. **Click "Next" button for next step.**

If you click "Apply" button, you could see how to use AT commands instantly.

2-8) Step 7 : Save Option

1. **Choose whether to establish s2w channel instantly or save the configuration to the flash memory for next reboot.**
2. **Choose whether to send debug messages into the UART or not.**
3. **Click "Next" button for next step.**

2-9) Step 8 : Finish (Save Script)

1. **If you want to save the AT commands, click the "Save Script" button.**
2. **At last, click the "Finish" button.**

2-10) Execute Script

You can see the process of the commands execution created in wizard mode.
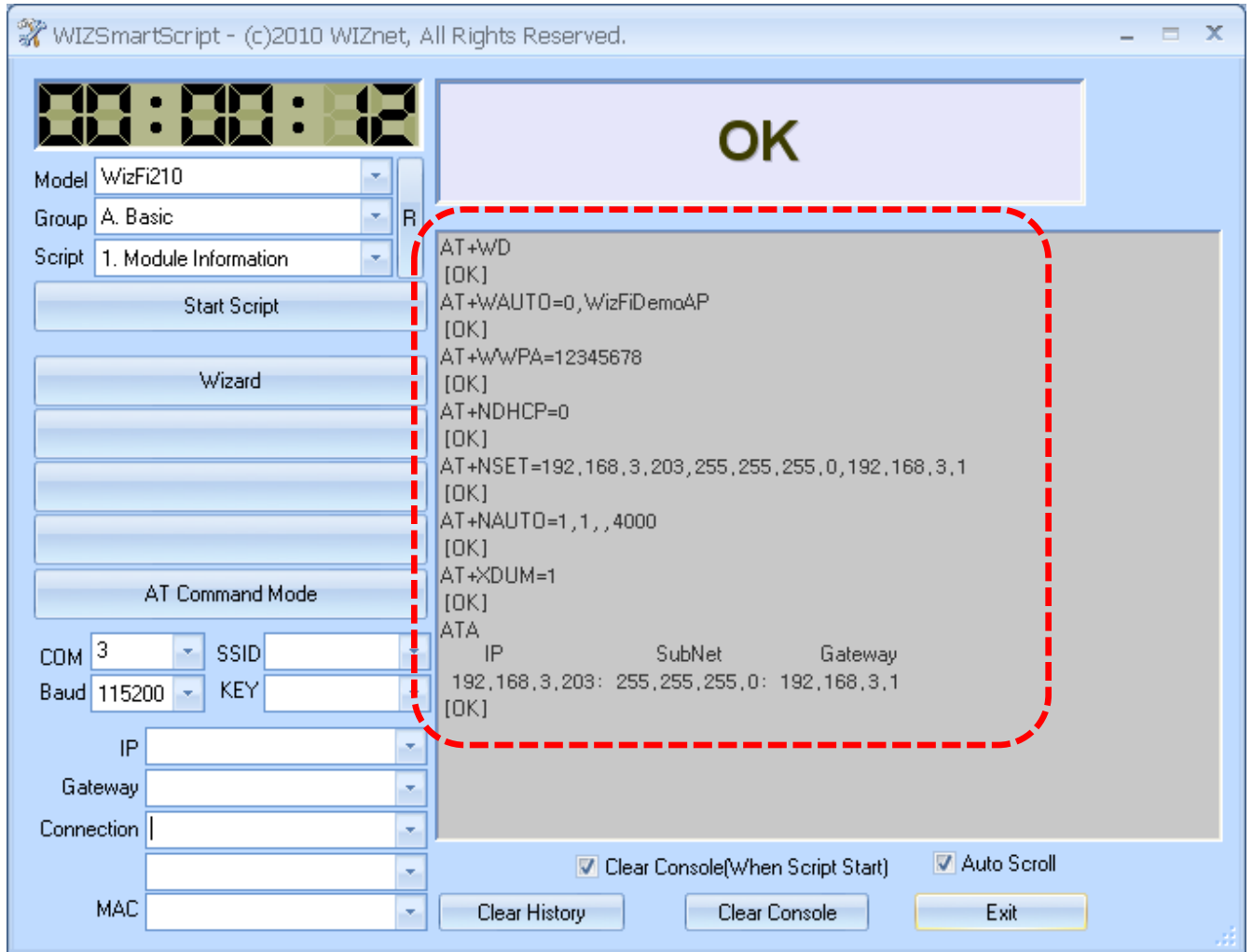
3. Firmware Upgrade
3-1) Check Old Version

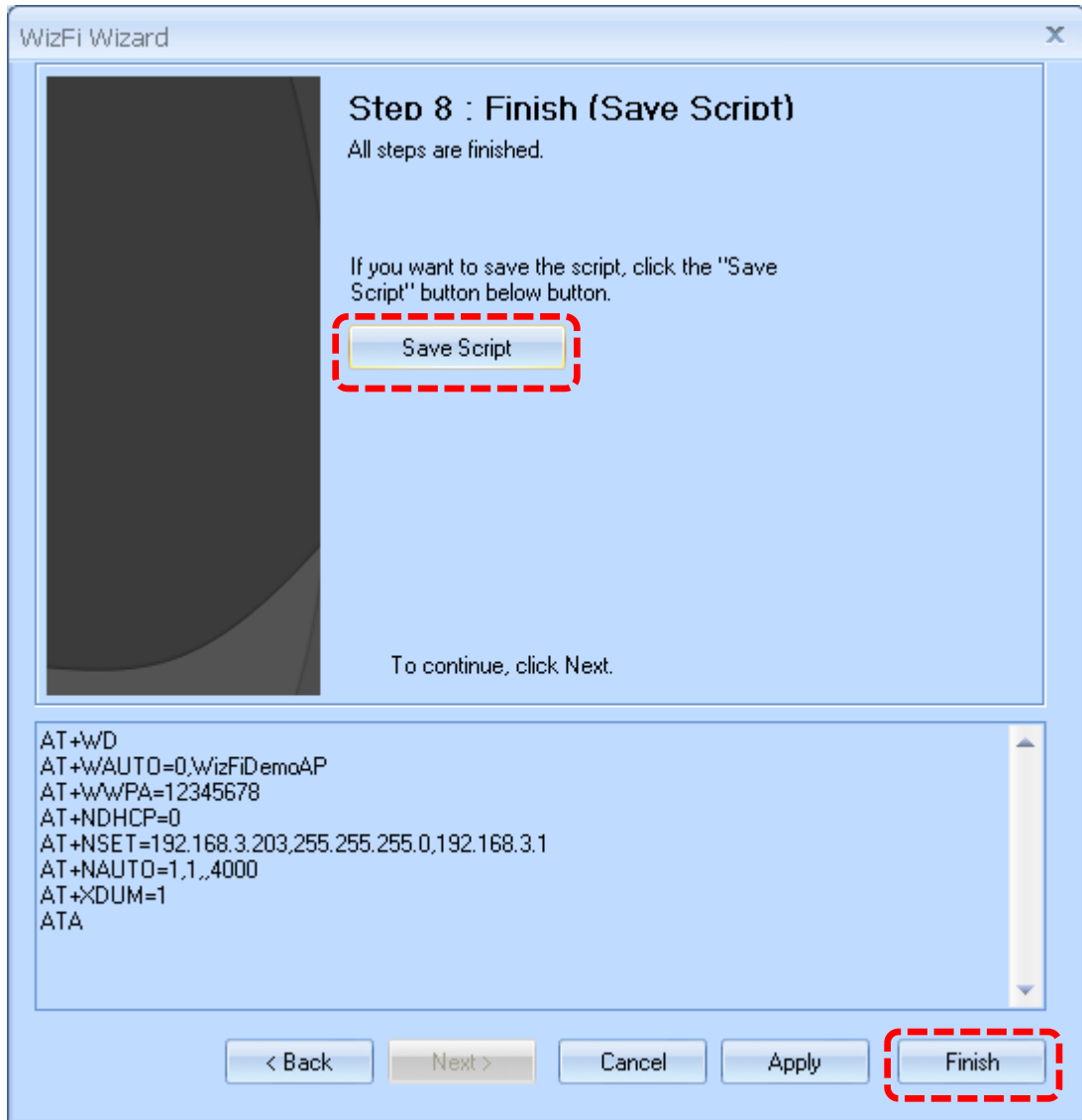1. **Input the COM port of PC and baud rate. (Default Baud Rate : 115200)**
2. **Select "WizFi210" for Model, "A. Basic" for Group and "1. Module Information" for Script.**
3. **If you click "Start Script", you can see the version of WizFi210.**
4. **The version of this WizFi210 is [1.0.0.0] as shown below.**
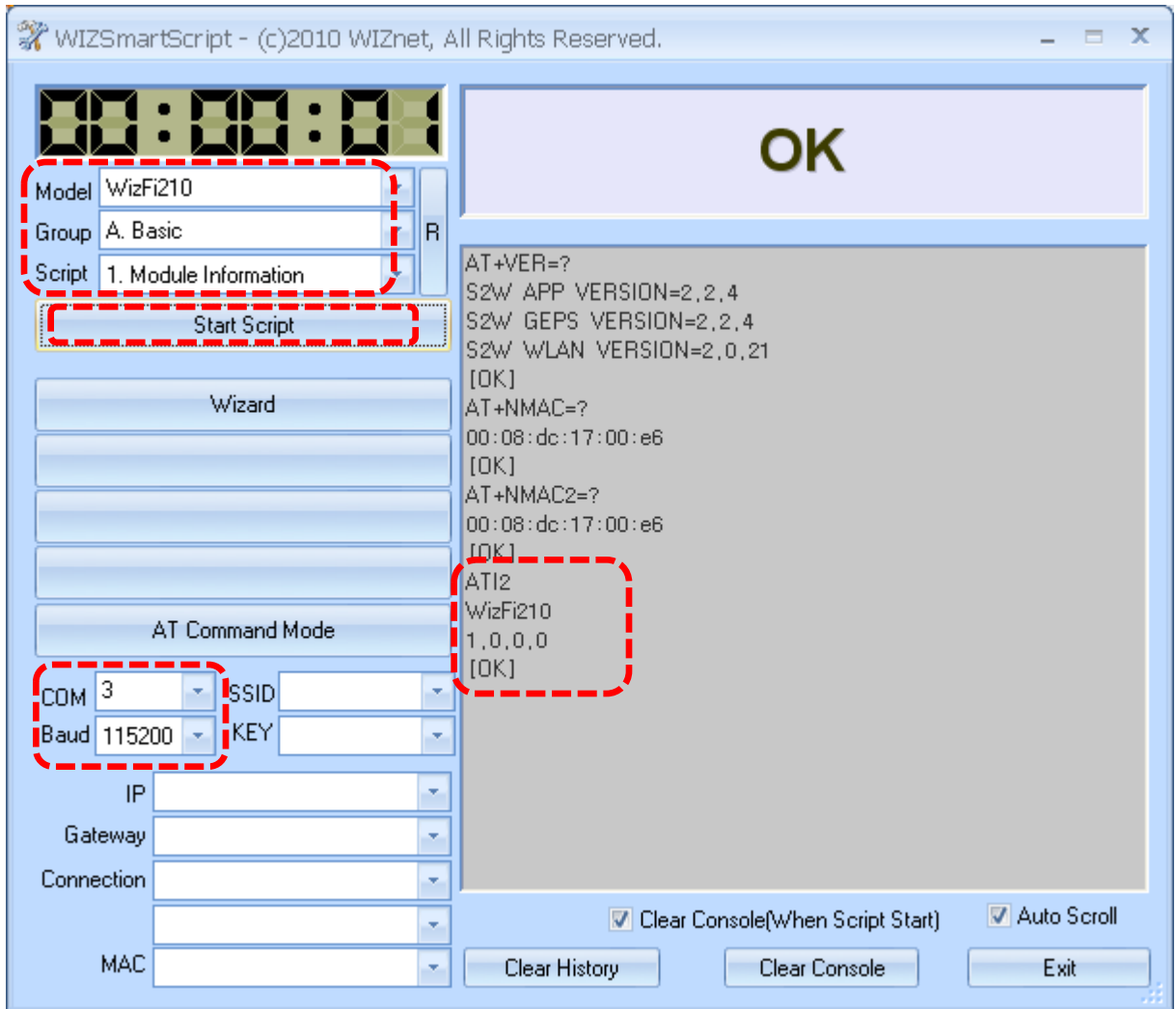
3-2) Copy Firmware Files

1. **Rename the old firmware files.**
2. **Copy the new firmware files to "WIZSmartScript/AppFWFile" folder.**
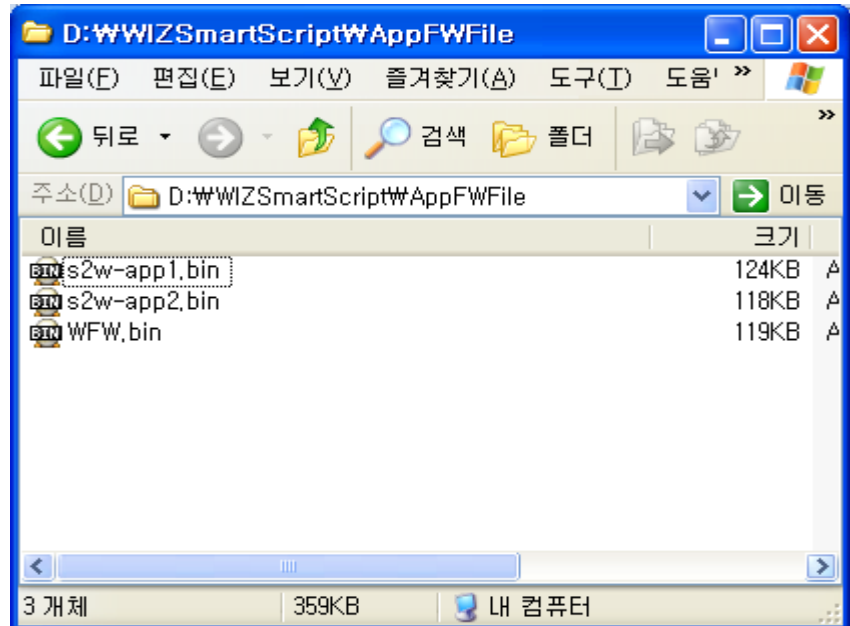
New Firmware Binary Files

Old Firmware Binary Files

3-3) Switch to Program Mode

1. Switch to "Program Mode" with SW1 [Run/PROG].
2. Reset the WizFi210 with SW2 [RESET].

3-4) Flash Write

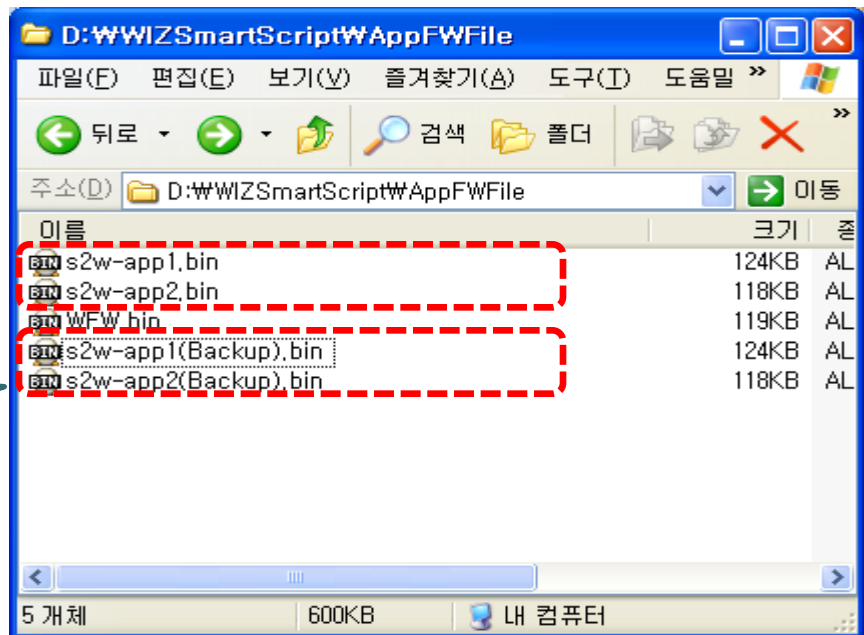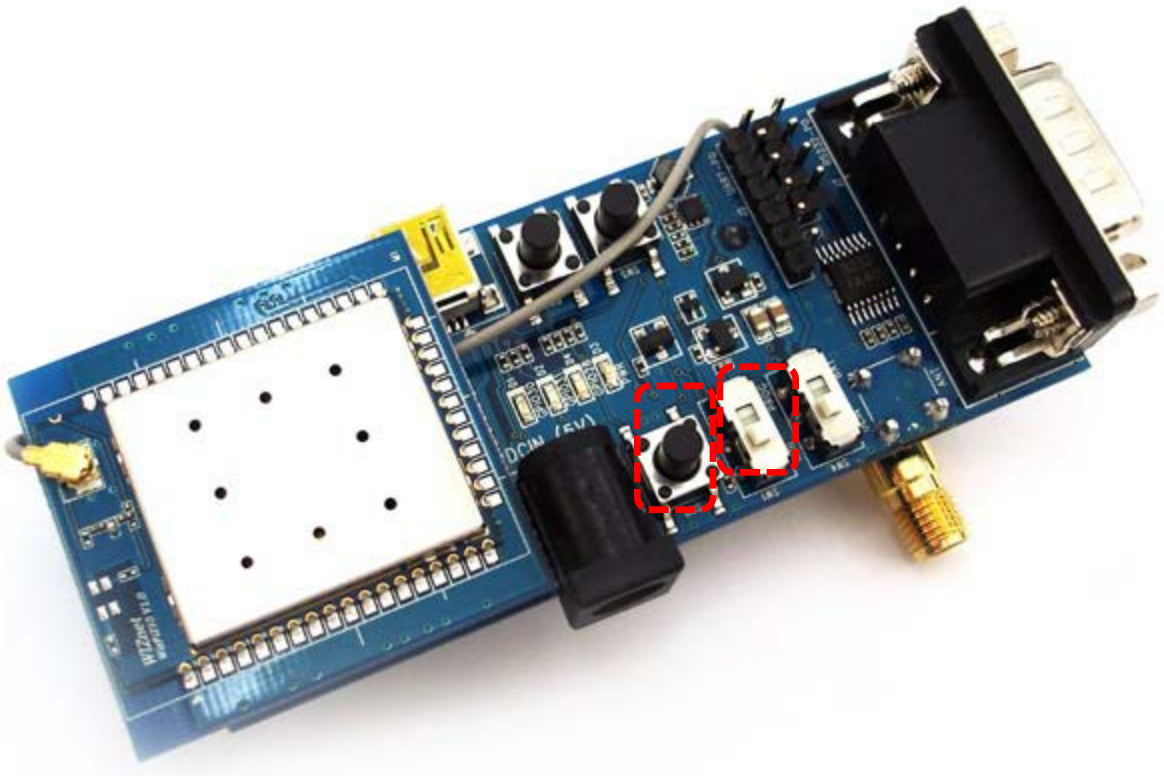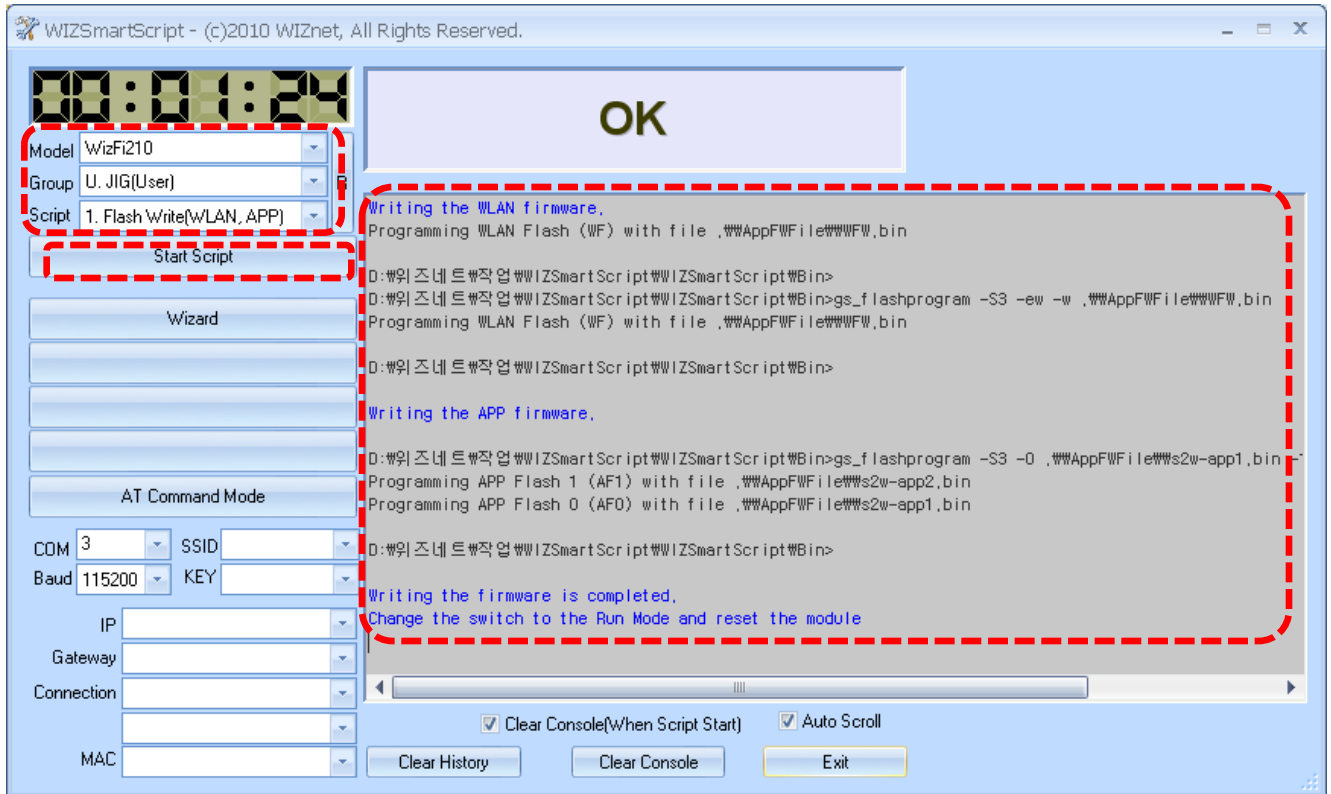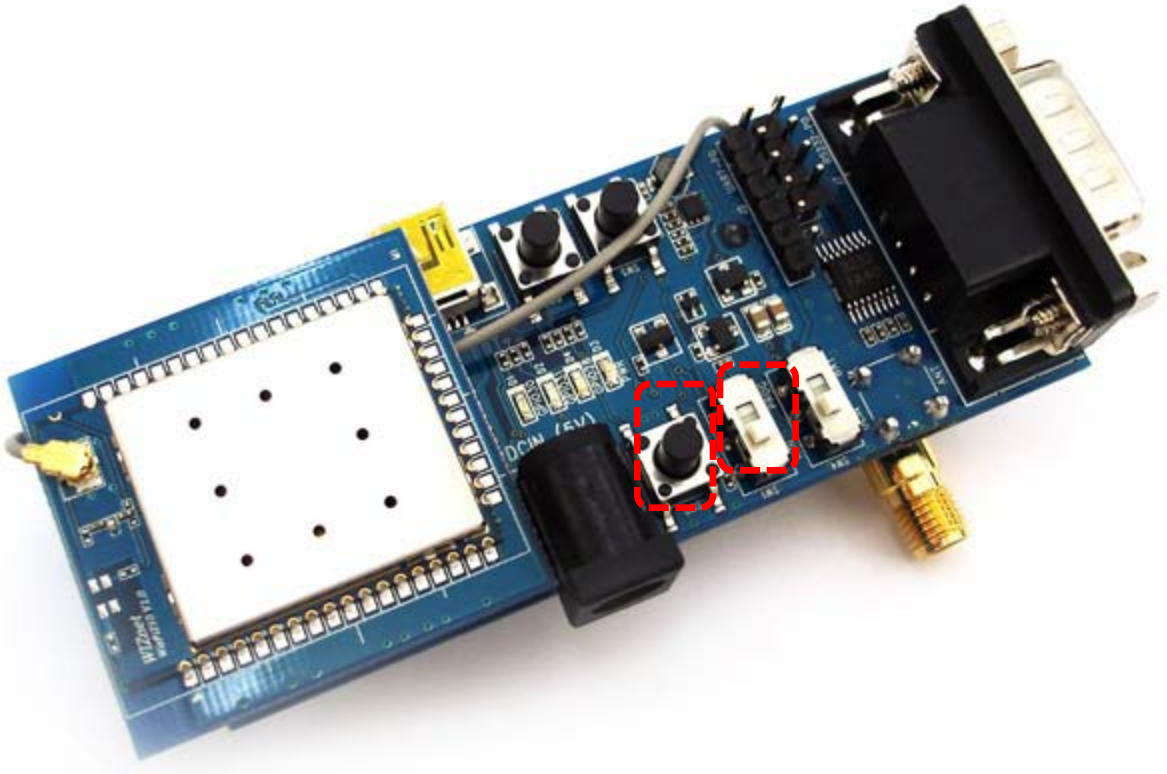1. **Select "WizFi210" for Model, "U. JIG" for Group and "1. Flash Write(WLAN, APP)" for Script.**
2. **If you click "Start Script" button, the new firmware files will be written to the flash.**
3. **It normally takes 60~90 seconds to upgrade the firmware.**

3-5) Switch to Run Mode

1. **Switch to "Run Mode" with SW1 [Run/PROG].**
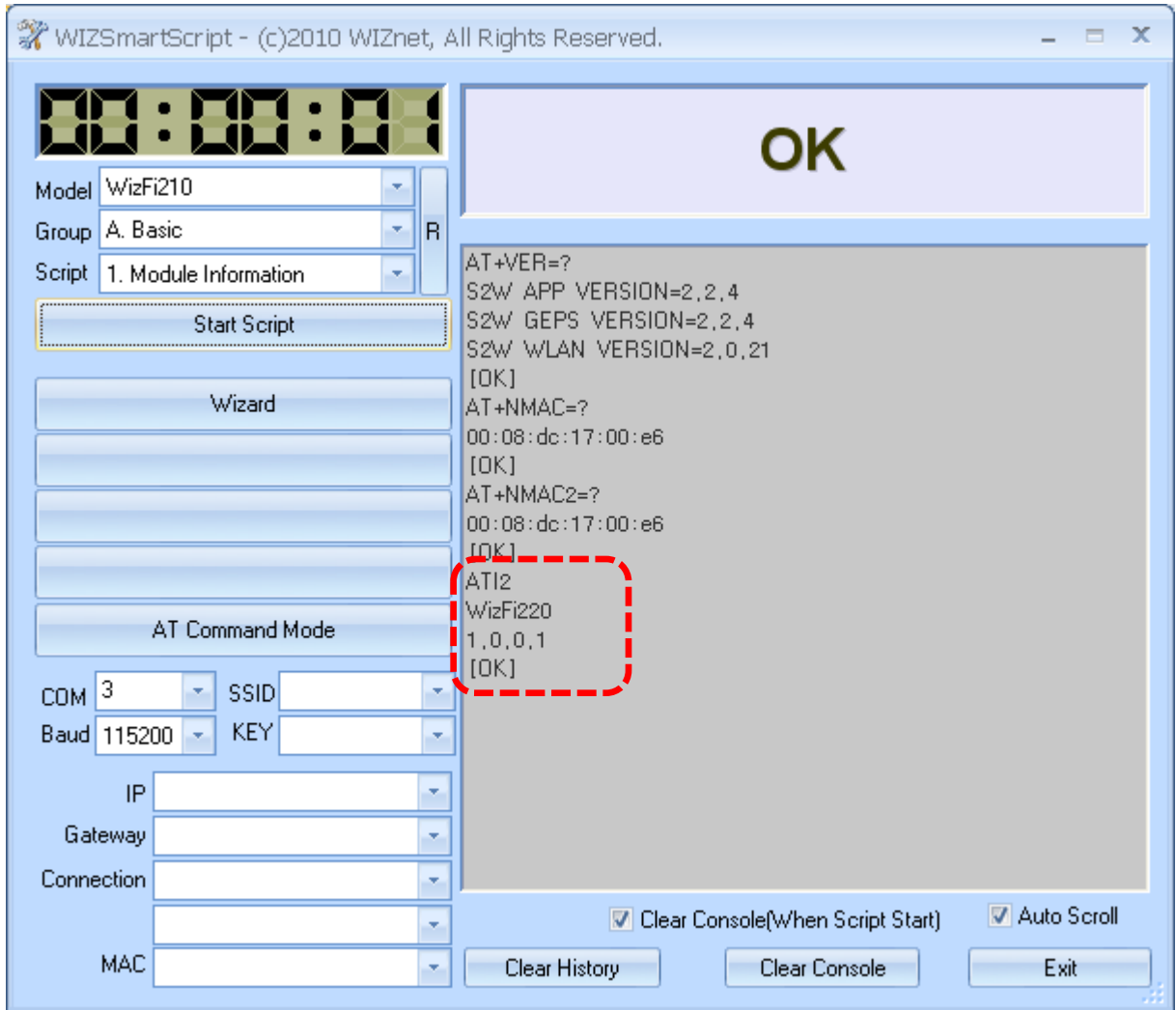2. **Reset the WizFi210 with SW2 [RESET].**

3-6) Factory Default

1. After reboot in "Run Mode", click SW5 [GPIO10] button two times continuously for factory default.
2. LEDs (such as D1-GPIO30, D2-GPIO31 and D4-GPIO28) will blink two times when factory default is done.
3. Reset the WizFi210 with SW2 [RESET].
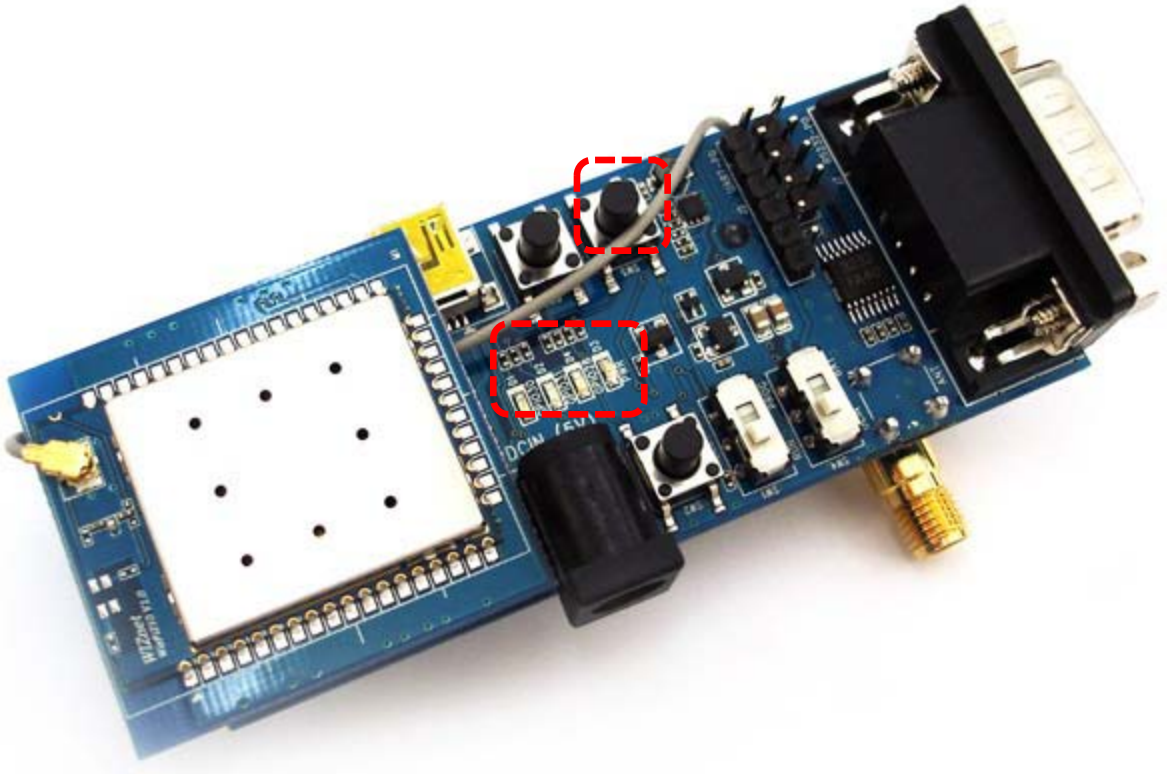
3-7) Check New Version

1. **Check the version of Wizfi210 in same way as <1. Check Old Version>**
2. **Confirm the new version of WizFi210 as shown below.**

COPYRIGHT NOTICE