

BTCONFIG User Guide

Detailed Configuration and handle all parameters

Version 1.0.0 Date 2007. 11. 01



1. Start Connection with BTCONFIG Program

- ▶ This program is possible to set BT device's name, pin code and serial setup (Baud Rate, Parity Bit, Stop Bit), etc.
- ▶ Program Menu - FIRMTECH – **BTConfig** execute
- ▶ After BTCONFIG program execute, click **CONNECT** button



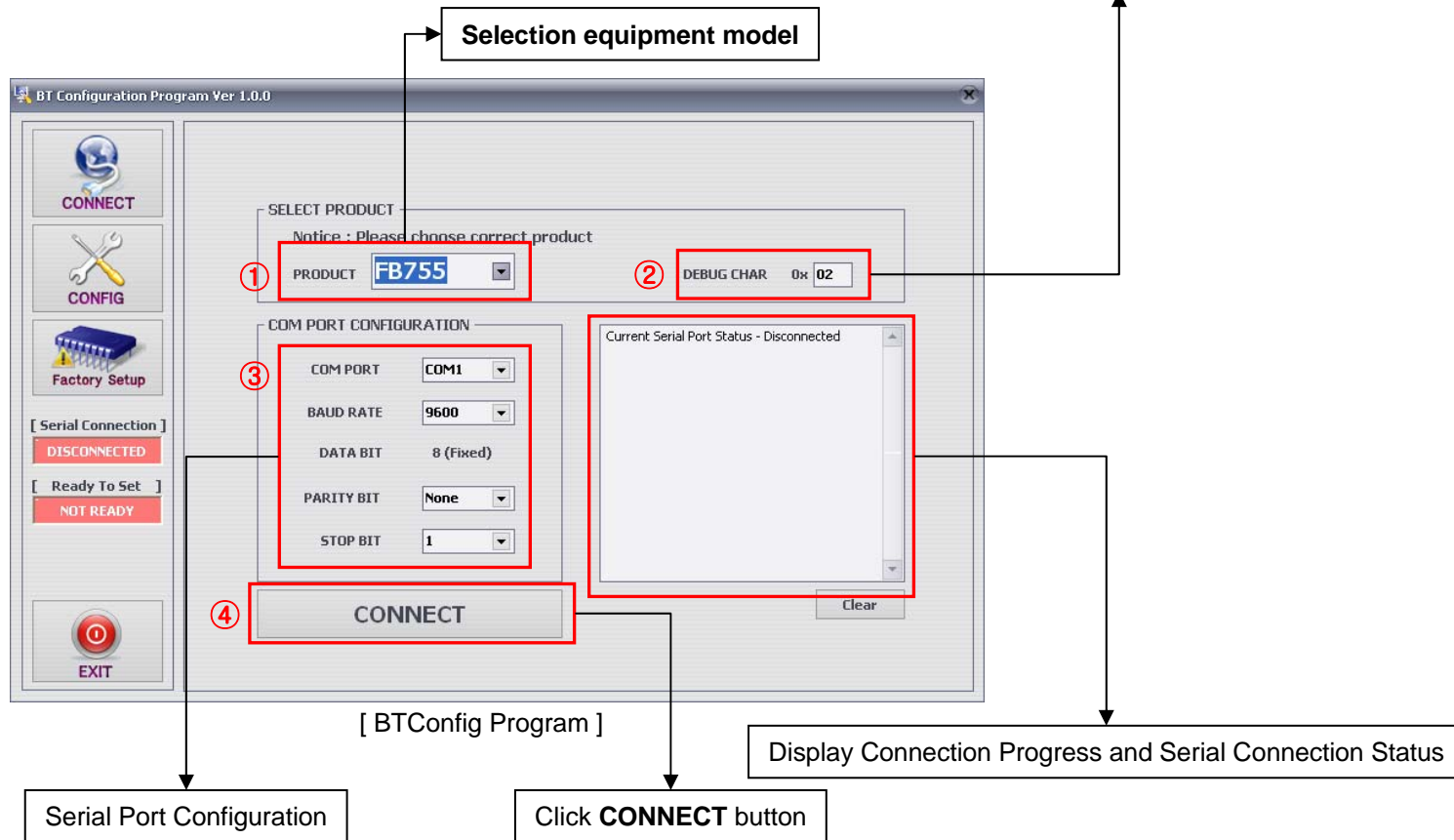
2. Connection – Product Selection, input Debug Char and Serial Port Configuration

2-1. Choose correct equipment model then input Debug Char.

2-2. Select the device's serial port.

2-3. Click **CONNECT** button.

Input **Debug Char**
(Factory Default Value : 0x02)
This program will remember last Debug Char, which user input.



3. Ready To Set – Completed connection and ready to configuration in Device

- 3-1. If the connection is completed, **CONNECT** button's text will be changed to **DISCONNECT**.
- 3-2. Connection Progress
 - 1) Serial Port Open
 - 2) Send Debug Char and ready to configuration
 - * Check Serial Connection LED and Ready To Set LED in this program (left side)
 - If the connection is completed, LED color will be changed to green color
 - And text in LED will be changed to "**CONNECTED**" and "**READY TO SET**".
- 3-3. **CONFIG** and **Factory Setup** buttons is operated, after serial connection and to complete ready to set.

[BTConfig Program]

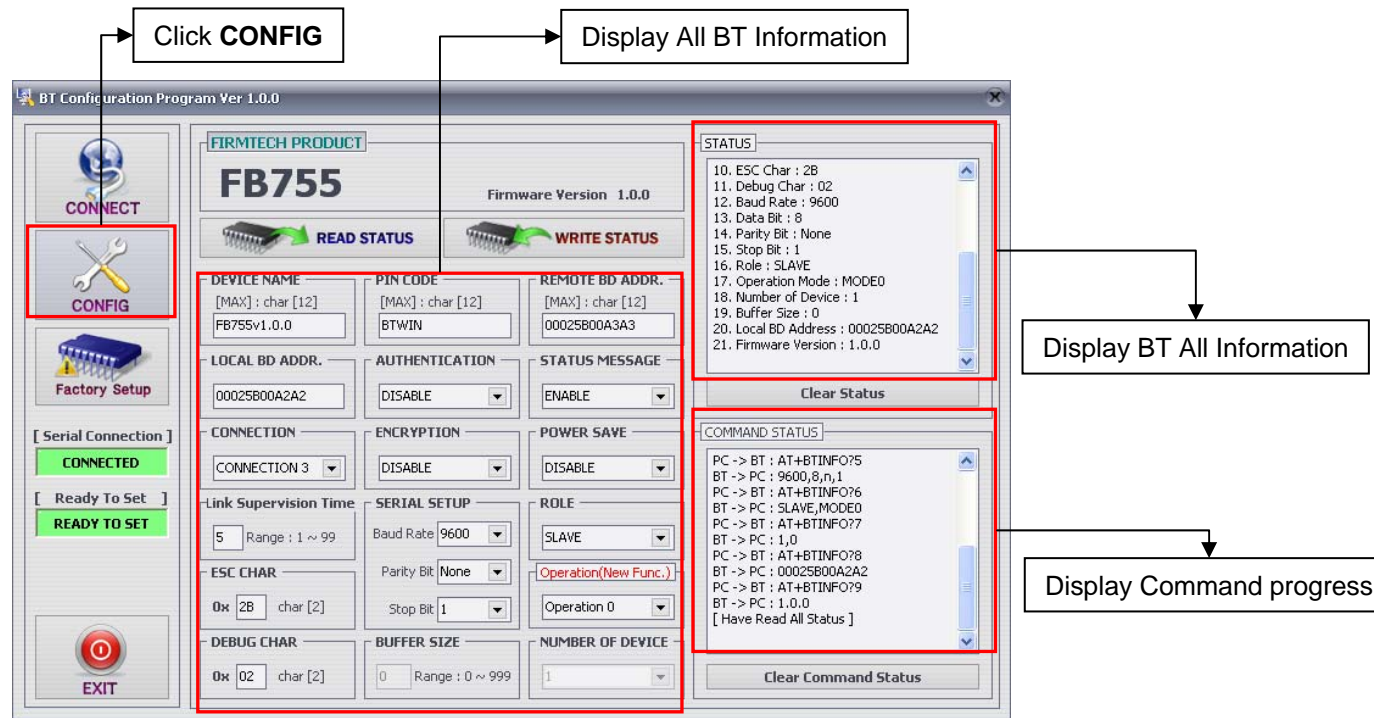
Display progress

If serial connection is completed, this button's text will be changed to 'DISCONNECT'

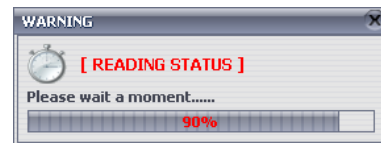
Completed Serial Connection : Color – Green , Text – CONNECTED
Completed Ready to Set : Color – Green , Text – READY TO SET
=> If one of those is not green color, it is not able to do next step.

4. Read Device Configuration

- 4-1. After **CONFIG** button click, the Bluetooth device's all information will be read and displayed.
- 4-2. Display Command progress – right bottom , Display All Status Information – right top.
- 4-3. Then it is possible to change and apply BT information.



[BTConfig Program]



[Waiting Popup Window for reading]

5. Modify Device Configuration

- Refer description of environment configuration in appendix.

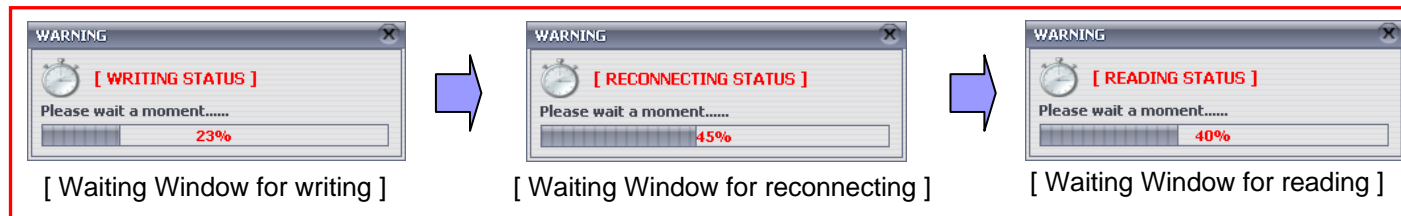
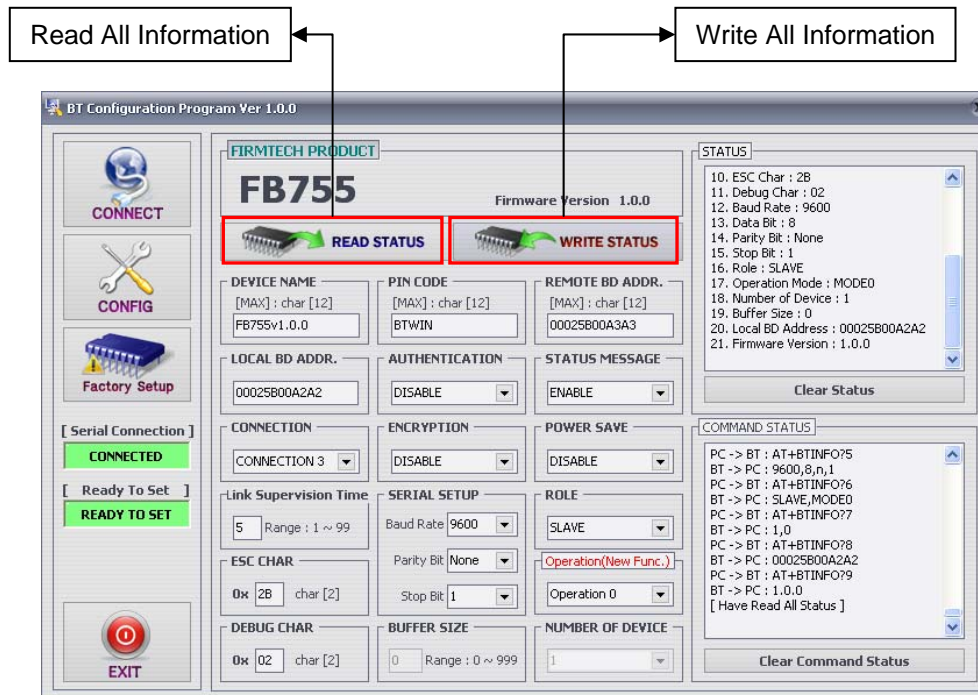
The image shows a screenshot of a device configuration interface. The interface is organized into a grid of 12 configuration panels, each with a title and a set of input fields or dropdown menus. The panels are arranged in a 4x3 grid. The top row contains: DEVICE NAME (text input: FB755v1.0.0), PIN CODE (text input: BTWIN), and REMOTE BD ADDR. (text input: 00025B00A3A3). The second row contains: LOCAL BD ADDR. (text input: 00025B00A2A2), AUTHENTICATION (dropdown: DISABLE), and STATUS MESSAGE (dropdown: ENABLE). The third row contains: CONNECTION (dropdown: CONNECTION 3), ENCRYPTION (dropdown: DISABLE), and POWER SAVE (dropdown: DISABLE). The fourth row contains: Link Supervision Time (text input: 5, Range: 1 ~ 99), SERIAL SETUP (Baud Rate: 9600, Parity Bit: None, Stop Bit: 1), and ROLE (dropdown: SLAVE). The fifth row contains: ESC CHAR (text input: 0x 2B, char [2]), SERIAL SETUP (Parity Bit: None, Stop Bit: 1), and ROLE (dropdown: Operation(New Func.)). The sixth row contains: DEBUG CHAR (text input: 0x 02, char [2]), BUFFER SIZE (text input: 0, Range: 0 ~ 999), and NUMBER OF DEVICE (dropdown: 1).

DEVICE NAME [MAX] : char [12] FB755v1.0.0	PIN CODE [MAX] : char [12] BTWIN	REMOTE BD ADDR. [MAX] : char [12] 00025B00A3A3
LOCAL BD ADDR. 00025B00A2A2	AUTHENTICATION DISABLE	STATUS MESSAGE ENABLE
CONNECTION CONNECTION 3	ENCRYPTION DISABLE	POWER SAVE DISABLE
Link Supervision Time 5 Range : 1 ~ 99	SERIAL SETUP Baud Rate: 9600 Parity Bit: None Stop Bit: 1	ROLE SLAVE
ESC CHAR 0x 2B char [2]	SERIAL SETUP Parity Bit: None Stop Bit: 1	ROLE Operation(New Func.) Operation 0
DEBUG CHAR 0x 02 char [2]	BUFFER SIZE 0 Range : 0 ~ 999	NUMBER OF DEVICE 1

[Modifiable Configuration]

6. Write Device Configuration

- 6-1. Click **WRITE STATUS** button – Start to write changed information
(After writing, this program will read all information again)
- 6-2. If you would like to read all information again, click **READ STATUS** button



Writing progress

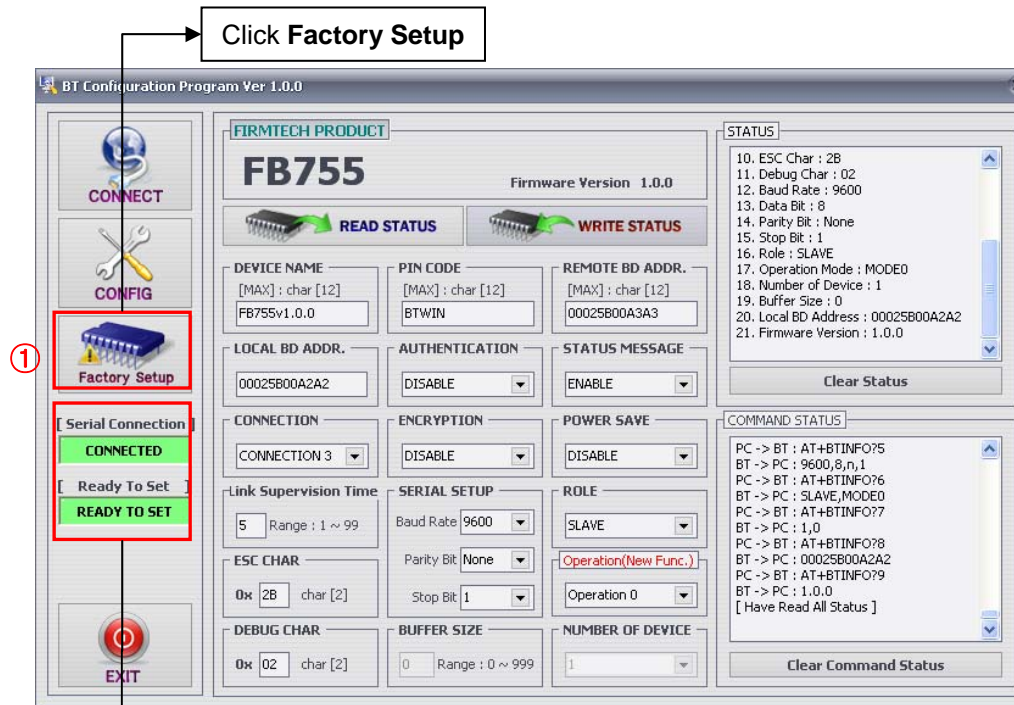
7. Factory Initialization

7-1. Click **Factory Setup** button.

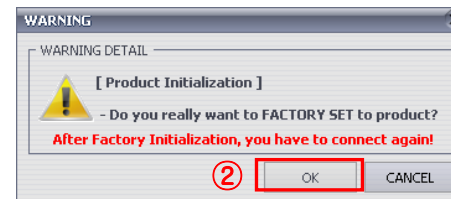
(Condition : Serial Connection – **CONNECTED** , Ready To Set – **READY TO SET**)

7-2. Warning Message Window for factory initialization will be shown.

7-3. After factory initialization, serial connection will be disconnected automatically.



Condition : Color – Green
Text – **CONNECTED**, **READY TO SET**



[Warning Message Window for factory Initialization]