

RXB080I

lite User Guide

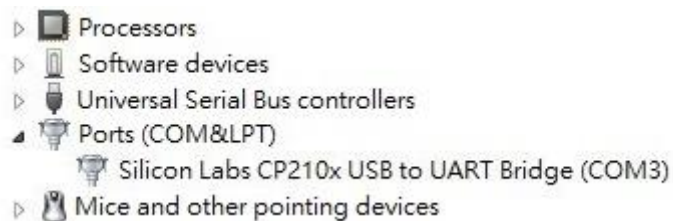


STEP 1. INSTALL THE SOFTWARES

- 1.) Download the USB to RS232 driver (CP210x_VCP_Windows.zip)

<https://www.silabs.com/products/mcu/Pages/USBtoUARTBridgeVCPDrivers.aspx>

(After installing the driver, plug the USB cable, and then check the COM port number from Device Manager)



- 2.) Download *Access Port*, which is a serial port monitoring tool for Windows.

<http://www.sudt.com/en/ap/>

- 3.) Download App *REYAX BLE UART* for Android smartphones

<http://reyax.com/products/ryb080i/>

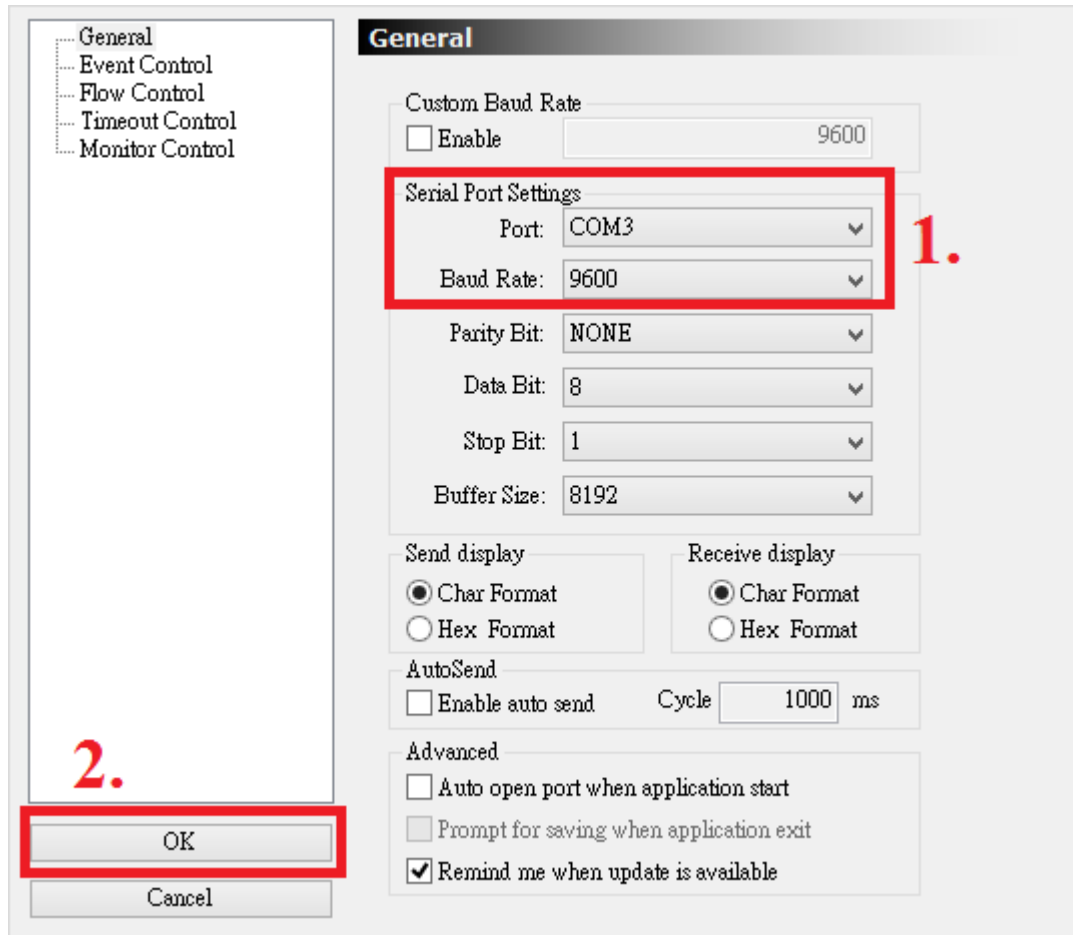
- 4.) Download App *LightBlue* for iPhones.

<https://itunes.apple.com/us/app/lightblue-explorer-bluetooth/id557428110?mt=8>

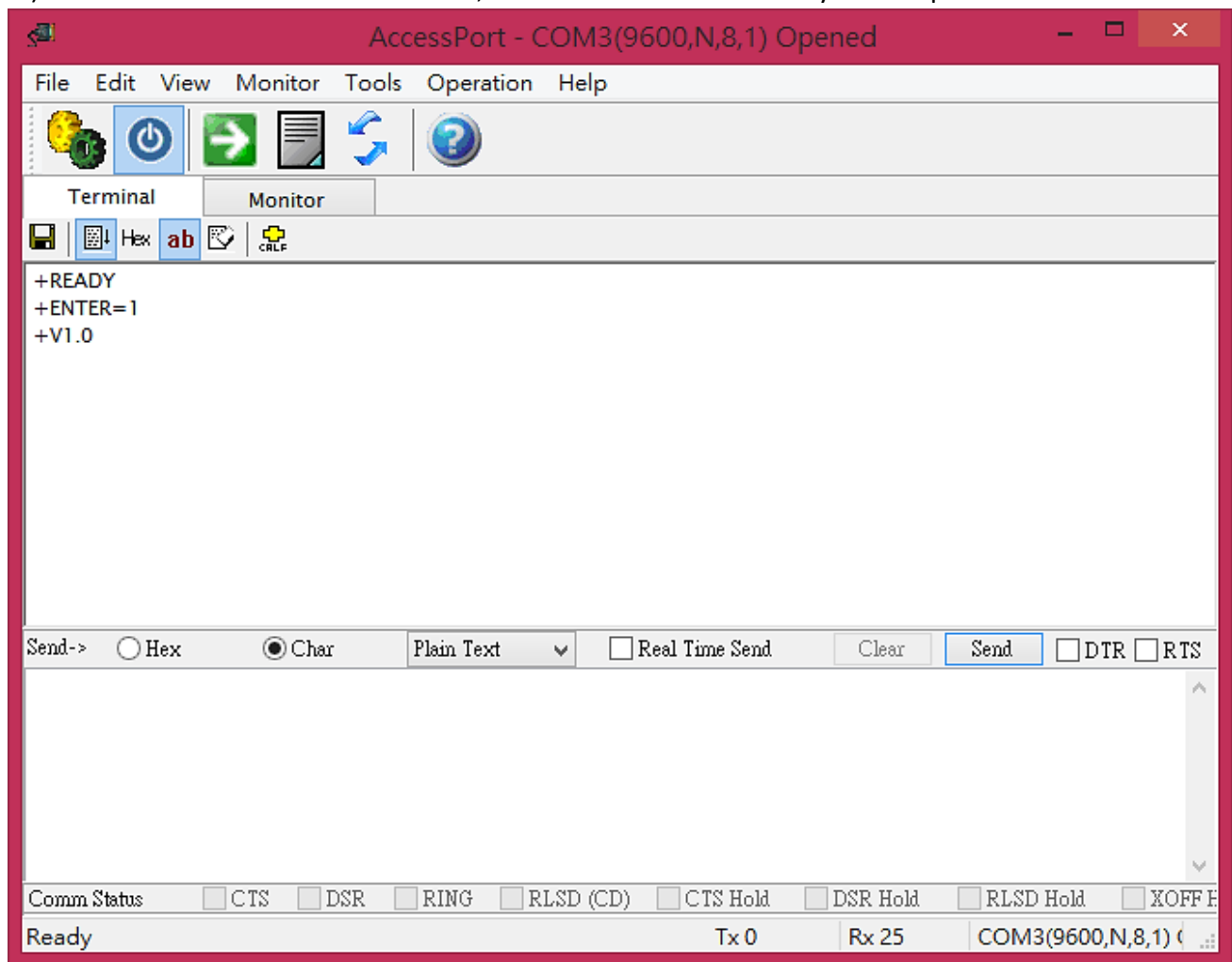


STEP 2. CONNECTION SETTING

- 1.) Plug USB cable to connect the EVB and the PC.
- 2.) Open the software *Access Port* : Tools → Configuration
- 3.) Set the COM port number and the baud rate (Default is 9600bps).



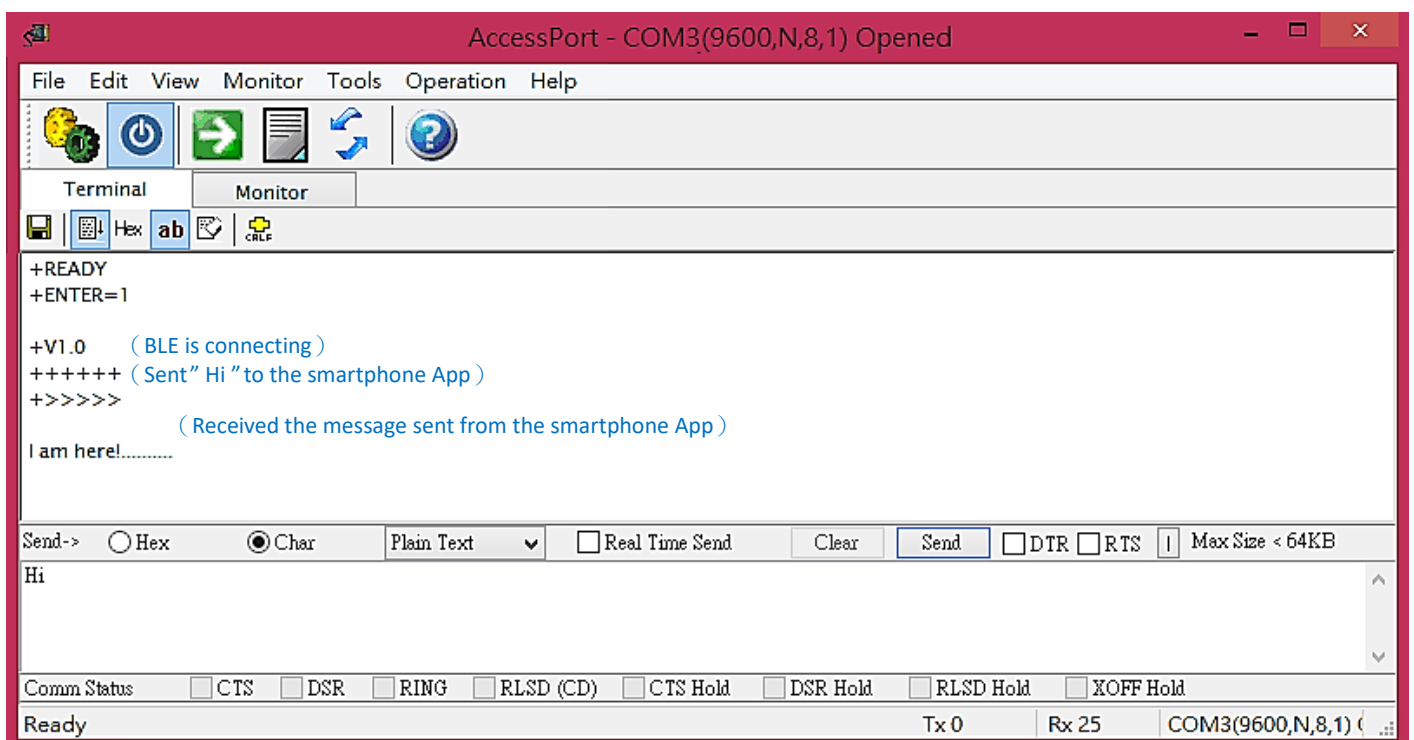
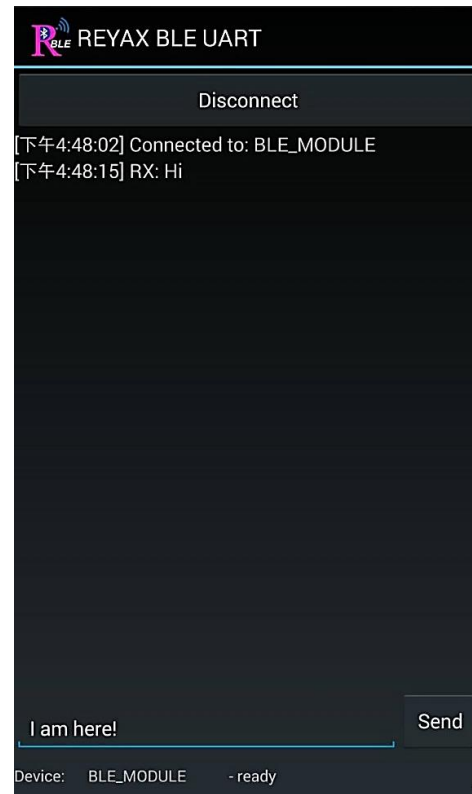
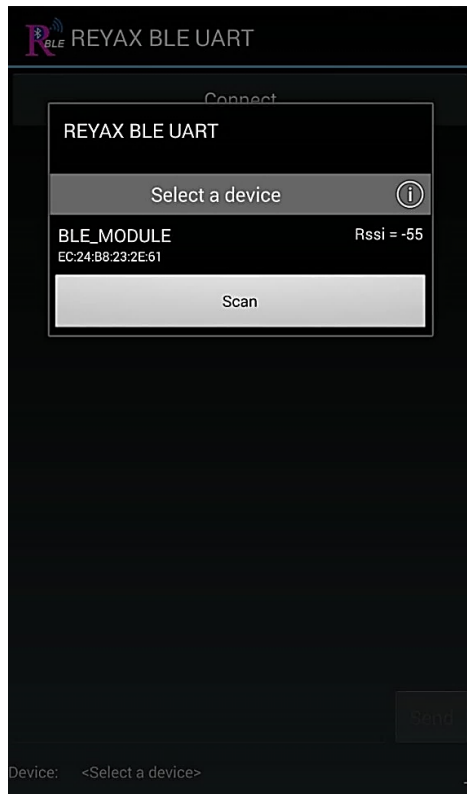
4.) Press the RESET button on the EVB, then it can be connected by a smartphone.



STEP 3. COMMUNICATION TEST WITH SMARTPHONES

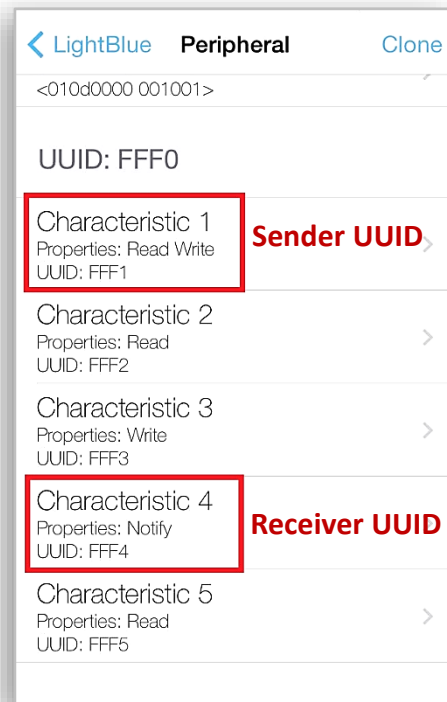
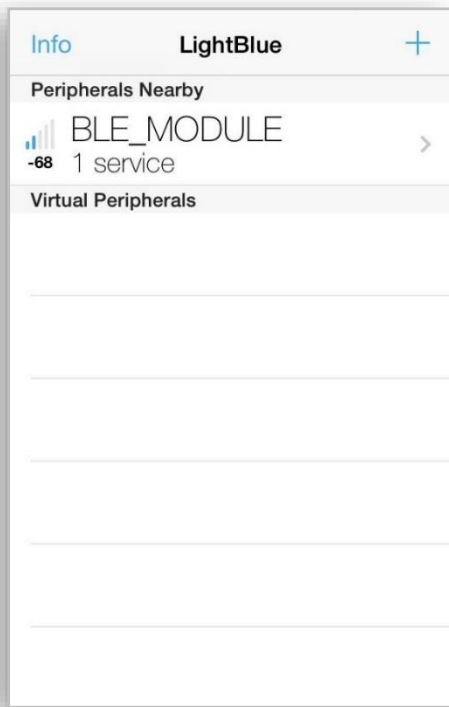
【For Android smartphones】

- 1.) Open the Bluetooth function of your smartphone and the App *REYAX BLE UART*, search and connect to the device. (The default broadcast name is BLE_MODULE)
- 2.) Send "Hi(+ENTER)" from the HyperTerminal on PC, and then send "I am here!" from the smartphone App.

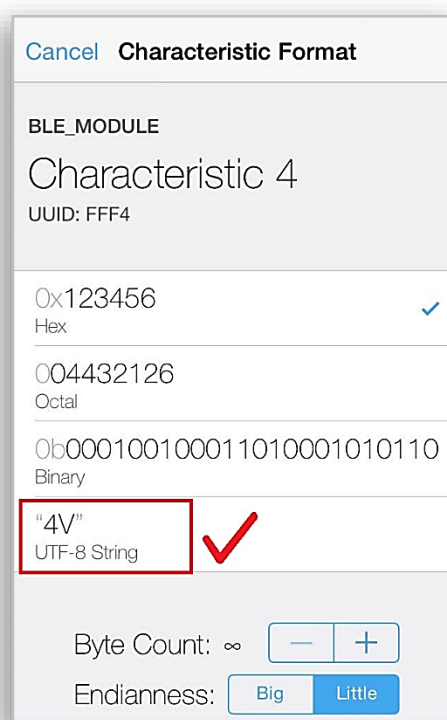
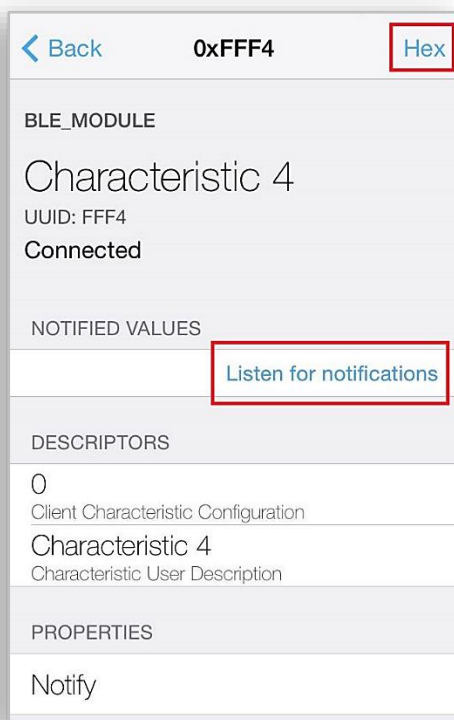


【For iPhones】

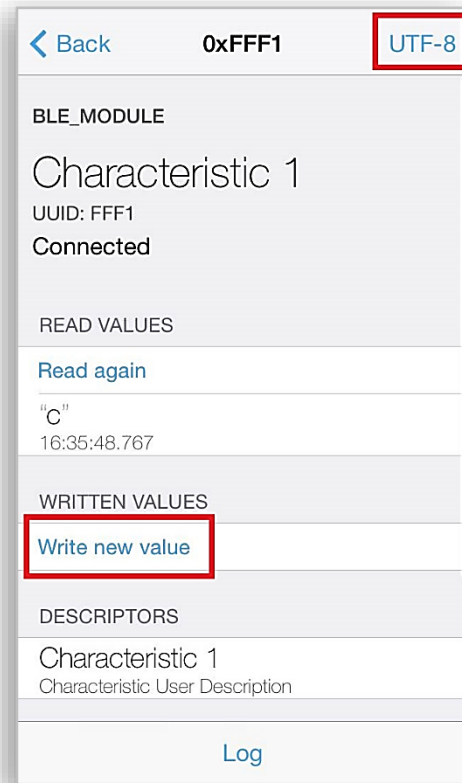
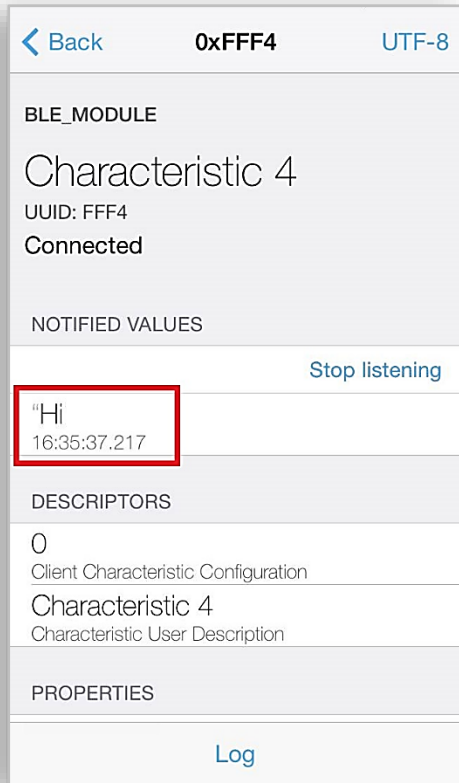
- 1.) Open the Bluetooth function of the smartphone and the App *LightBlue*, search and connect to the device. (The default broadcast name is BLE_MODULE)
- 2.) Enter the Characteristic 4 item to receive the messages which are sent from the HyperTerminal on PC, or enter Characteristic 1 item to send messages to the HyperTerminal.



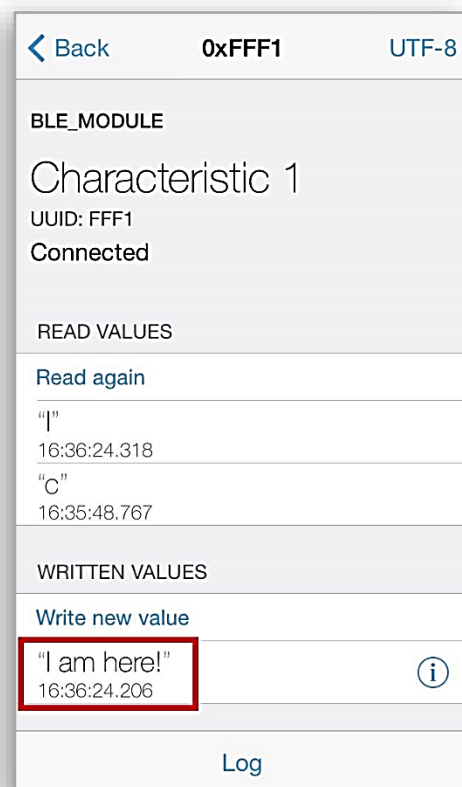
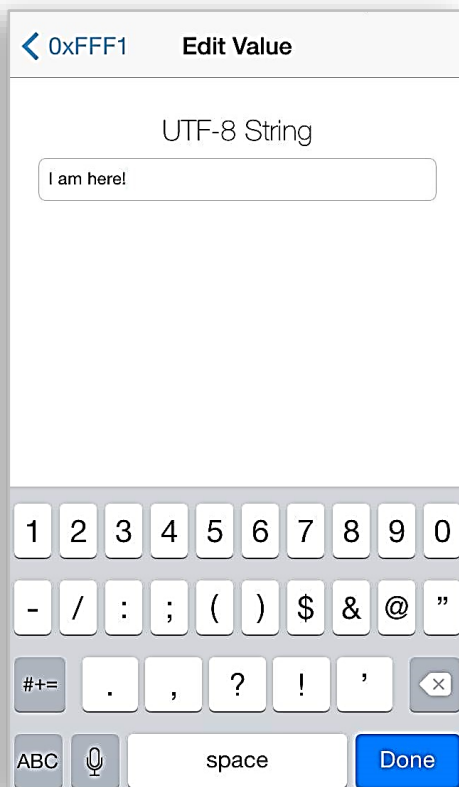
- 3.) Enter the Characteristic 4 item, click "Listen for notifications" button to receive the messages. And click "Hex" button to change the character format to "UTF-8 String".



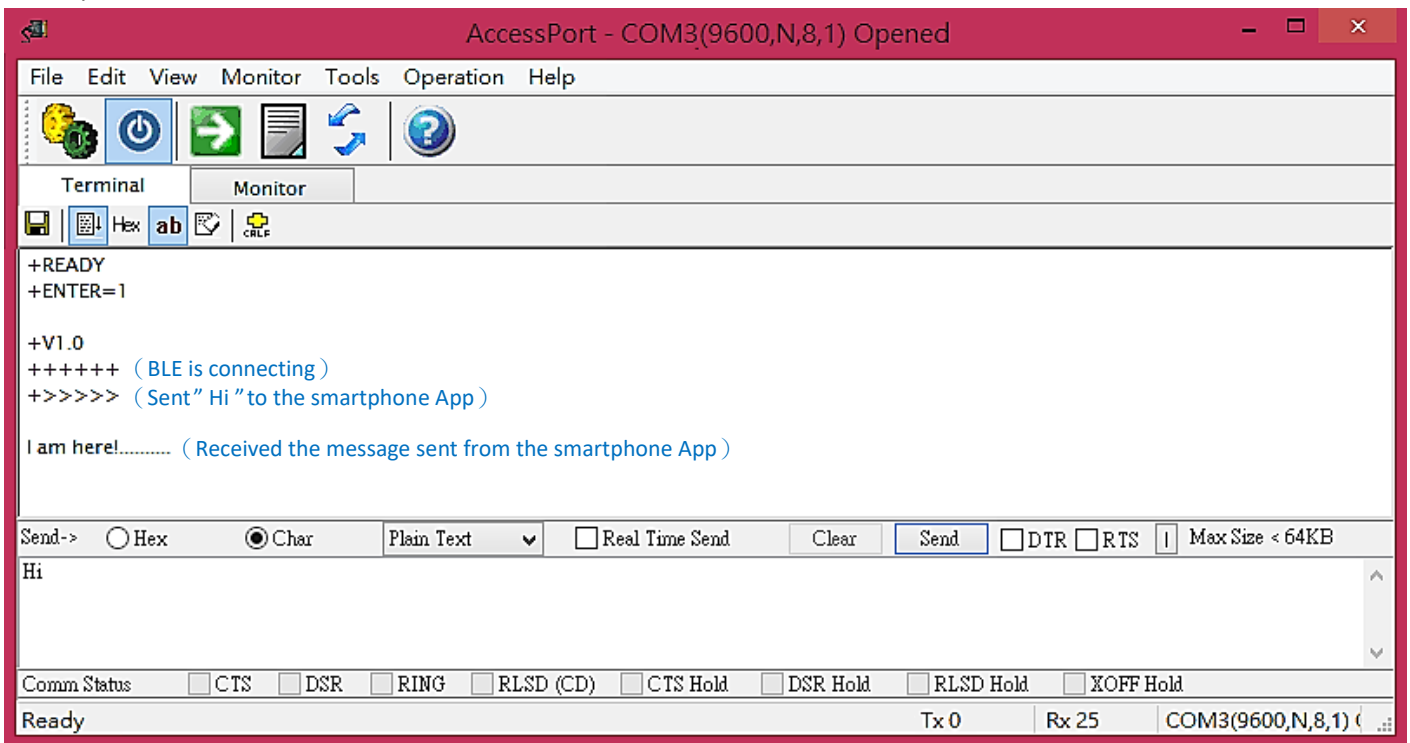
- 4.) Send "Hi(+ENTER)" to the smartphone App from the HyperTerminal on PC, it will show as below.
- 5.) Then enter the Characteristic 1 item. Click "Hex" button to change the character format to "UTF-8 String" first, and click "Write new value" button.



- 6.) Send the message to the HyperTerminal on PC. It will show the transmitting records.



7.) You could also check the communication information on PC as below.



Taiwan: sales@reyax.com
China: sales@reyax.com.cn
<http://reyax.com>