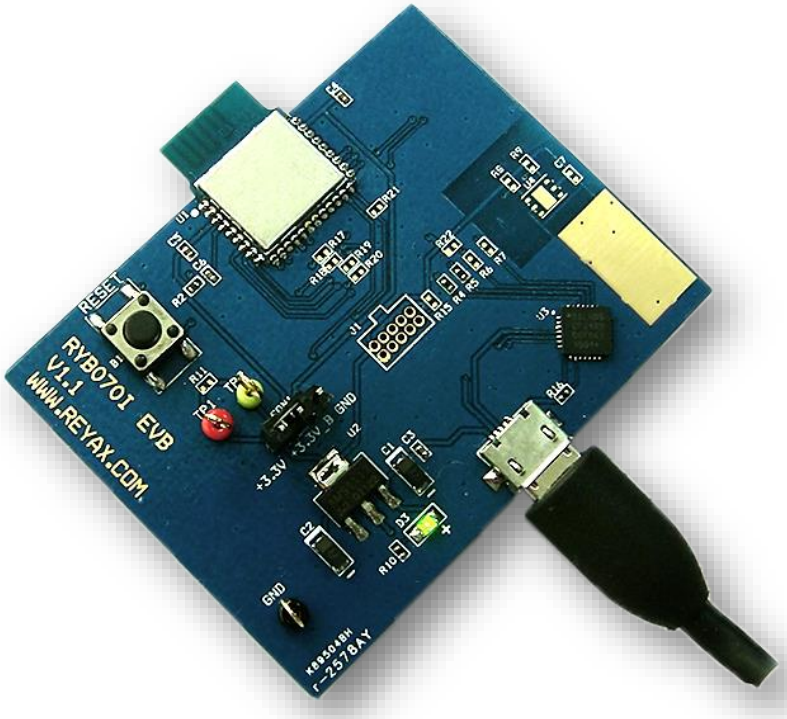
REYAX
TECHNOLOGY CORPORATION, LTD

25-DEC-2017 56312E31

RYB070I

EVB 快速使用說明



1. 安裝所需軟體

1.1 USB 轉 RS232 驅動程式(CP210x_VCP_Windows.zip)
https://www.silabs.com/products/mcu/Pages/USBtoUARTBridgeVCPDrivers.aspx
(安裝後再插上 USB，去裝置管理員觀看 COM port 編號)

1.2 下載 Windows 上的終端機軟體 Access Port
http://www.sudt.com/en/ap/

1.3 Android 手機下載 REYAX BLE UART APP
http://reyax.com/products/ryb070i/

1.4 iPhone 手機下載 LightBlue APP
https://itunes.apple.com/us/app/lightblue-explorer-bluetooth/id557428110?mt=8

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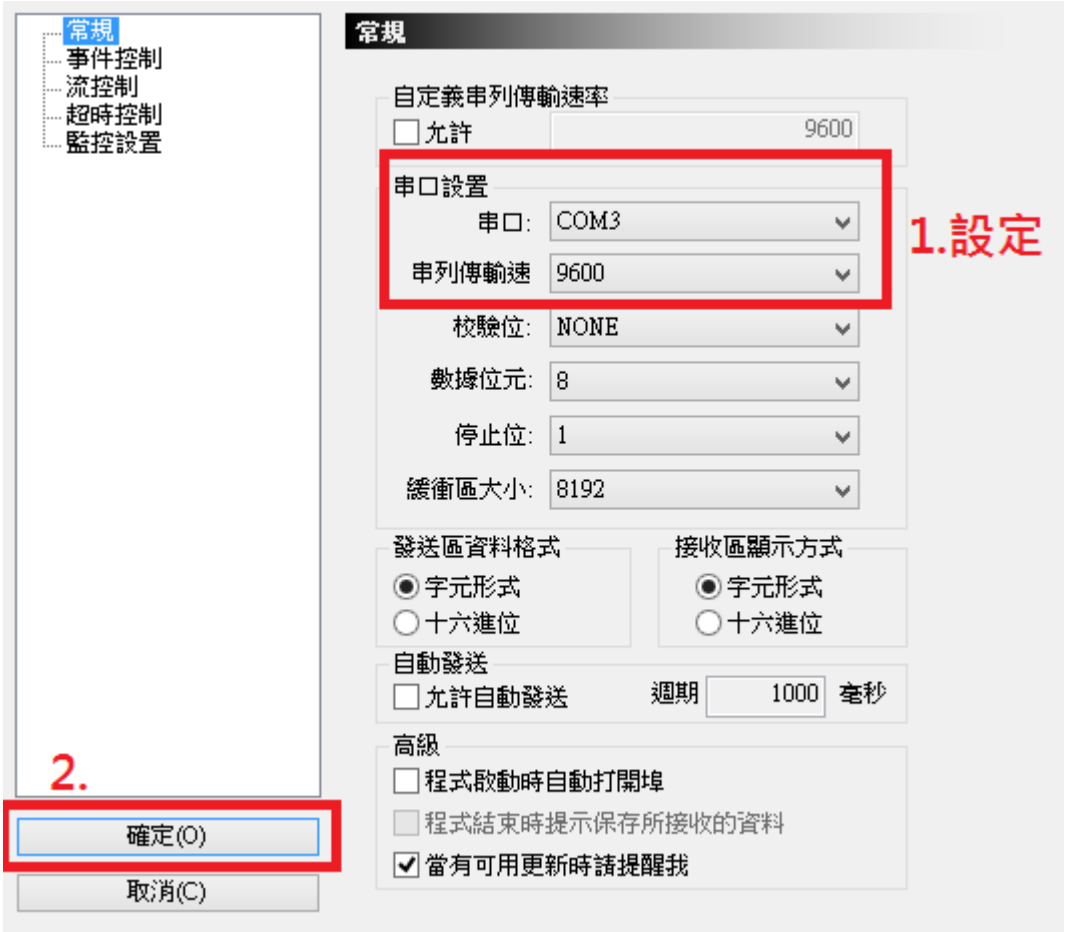
2. 連線設定

2.1 EVB 插上 USB 連接電腦。

2.2 在電腦上打開 Access Port 軟體：工具→配置參數。

2.3 設定 COM port 編號及串列傳輸速(預設為 9600bps)。



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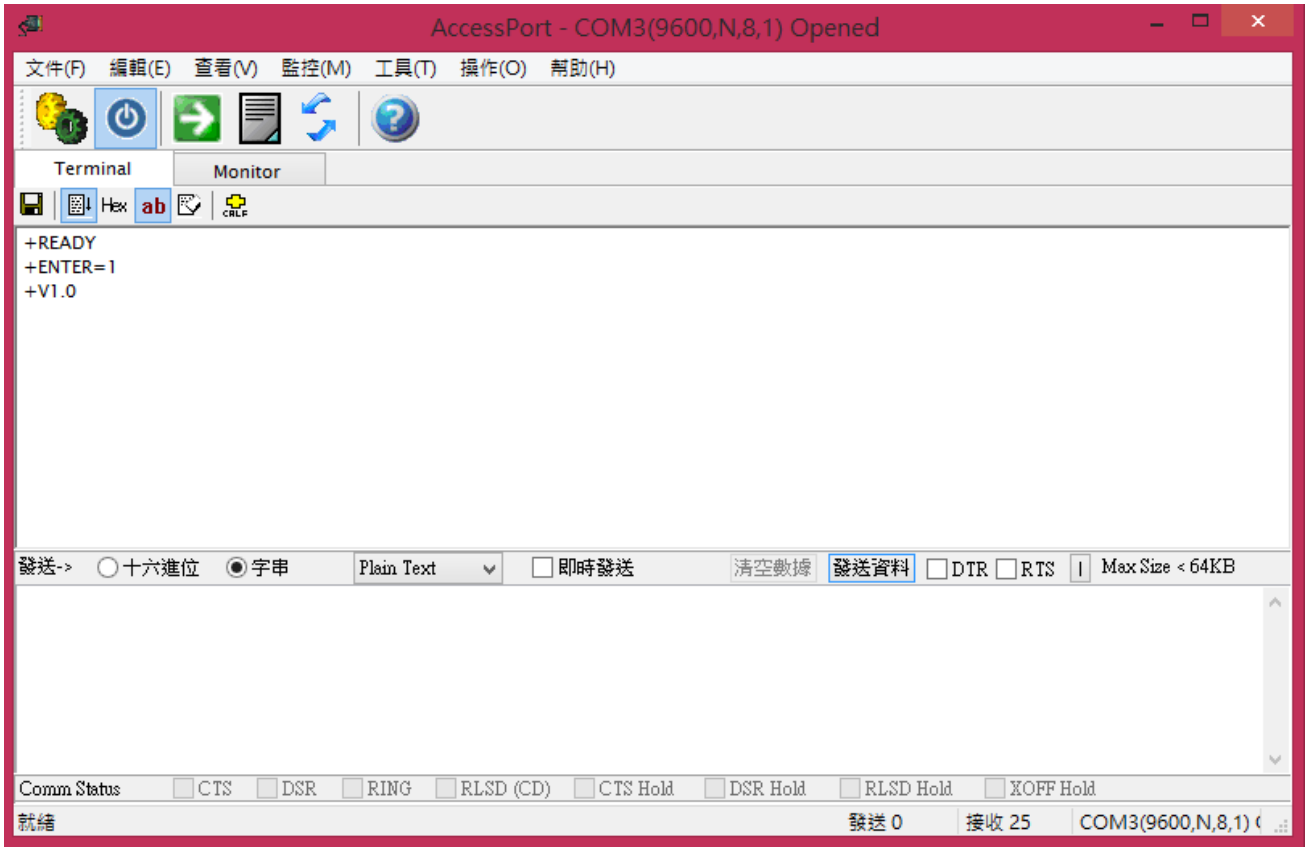
2.4 按下 EVB 上的 RESET 按鈕後即可與手機對連，畫面顯示如下：



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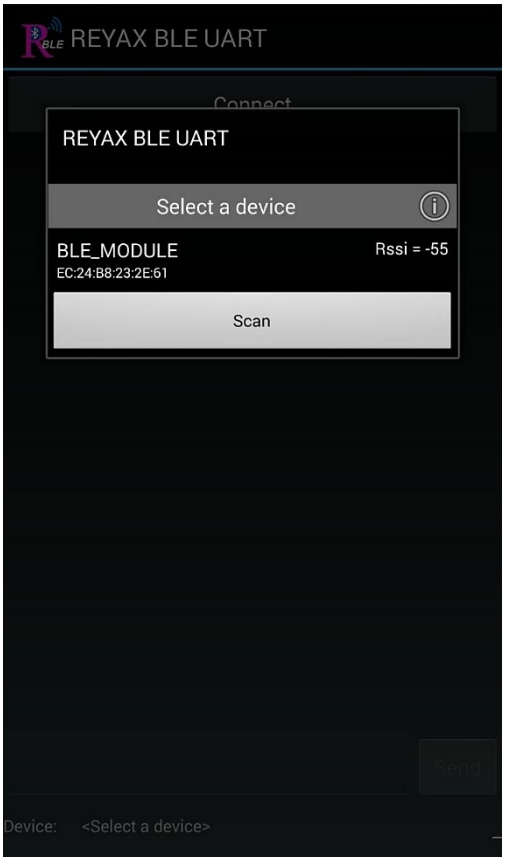
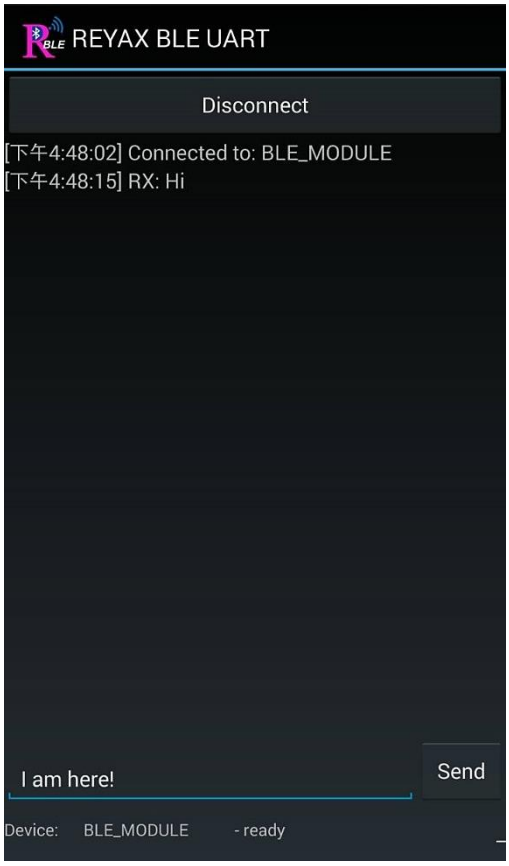
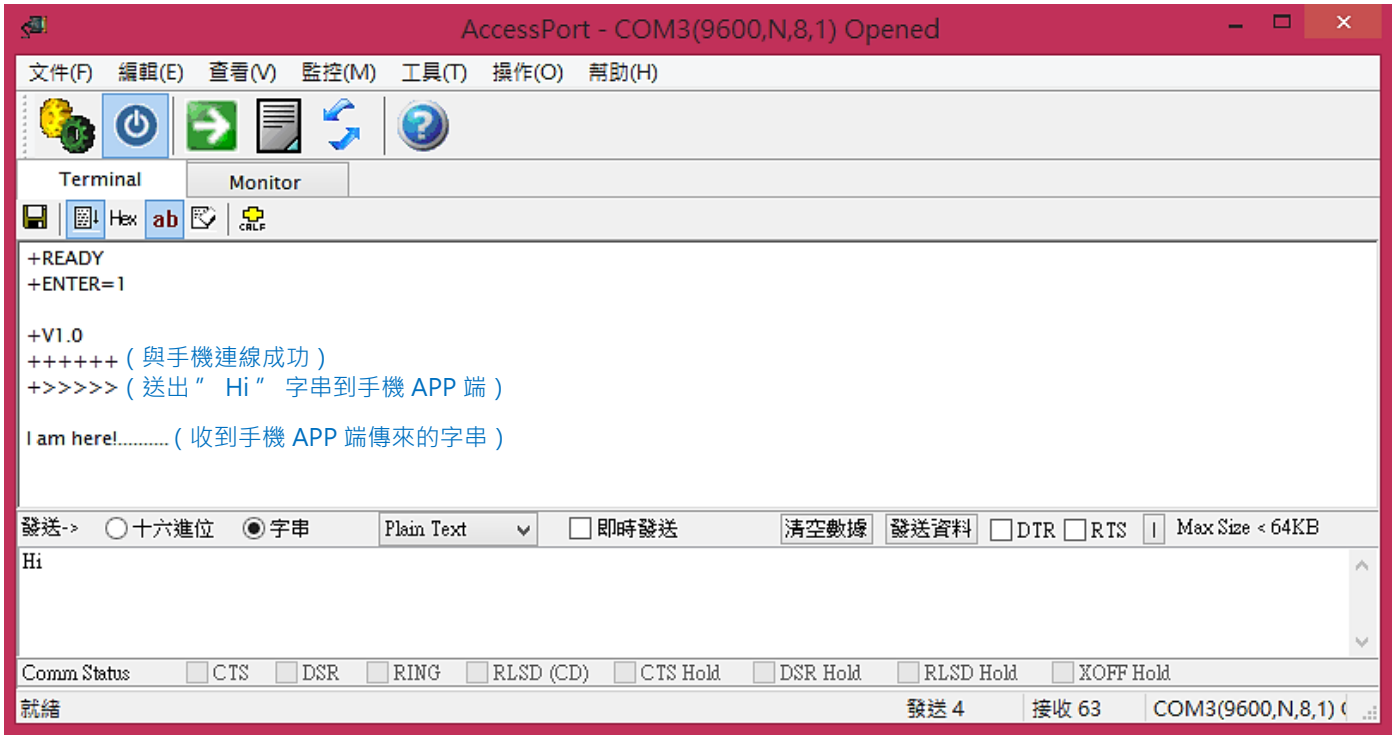
3. 手機連線測試

【Android 手機測試步驟】

1. 打開手機藍芽功能及 REYAX BLE UART APP，搜尋裝置並連線 (預設顯示為 BLE_MODULE)。
2. 在 Windows 上的終端機傳送 "Hi" 字串到手機 APP 端，並收到 APP 端傳送的 "I am here!" 字串。







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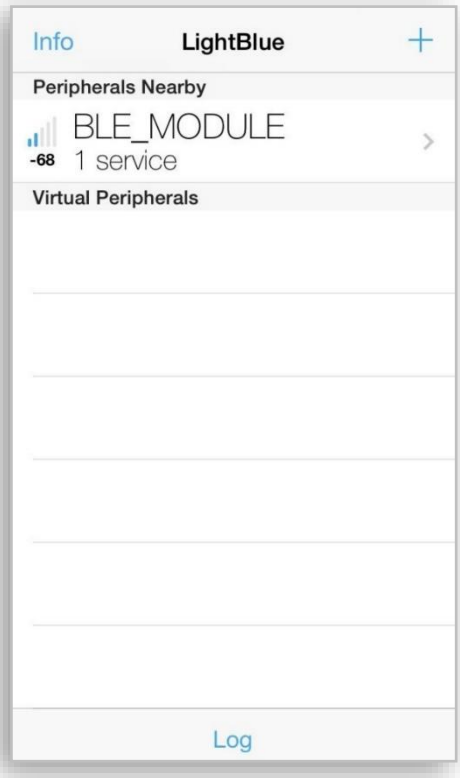
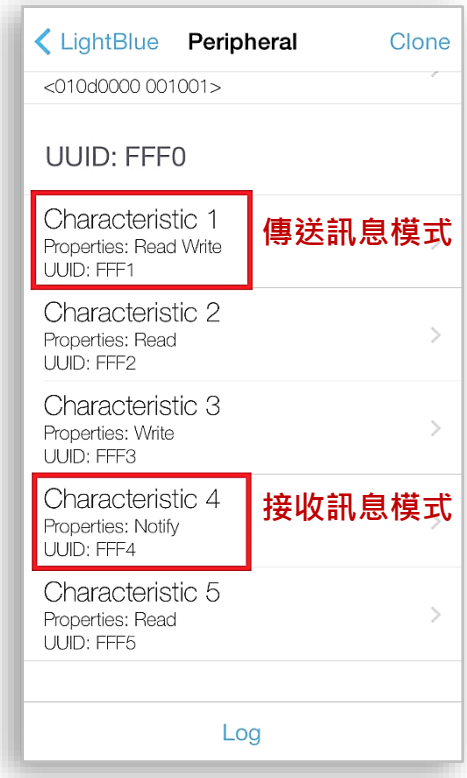
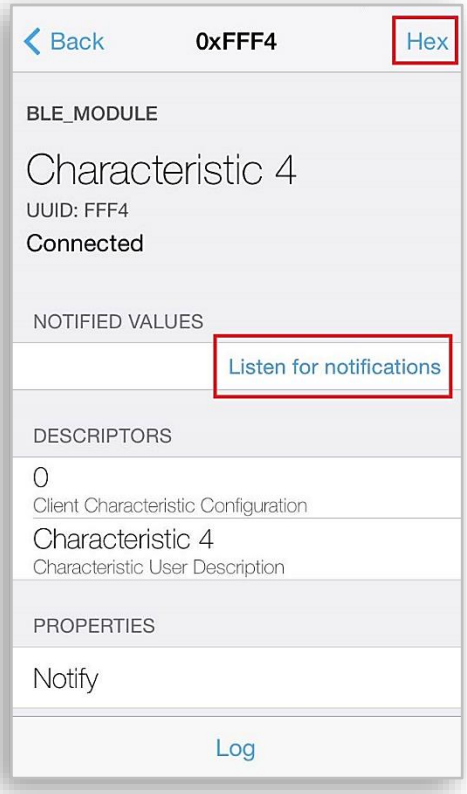
【iPhone 手機測試步驟】

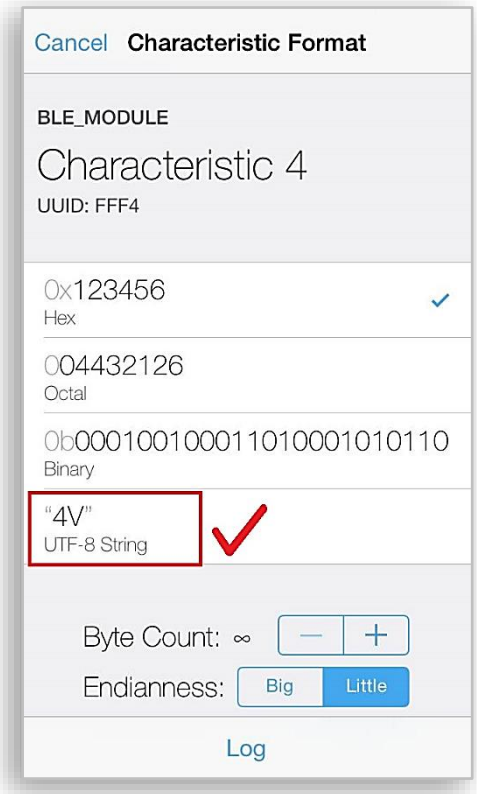
1. 打開手機藍芽功能及 LightBlue APP，搜尋裝置並連線 (預設顯示為 BLE_MODULE)。
2. 連線後可選擇進入 Characteristic 4 模式接收 Windows 上終端機所傳送的訊息，或進入 Characteristic 1 模式主動傳輸訊息到 Windows 上的終端機。





3. 先選擇進入 Characteristic 4 模式，按下 "Listen for notifications" 開始接收訊息，並按右上角的 "Hex" 鍵，將顯示字元方式從 "Hex" 改為 "UTF-8 String"。





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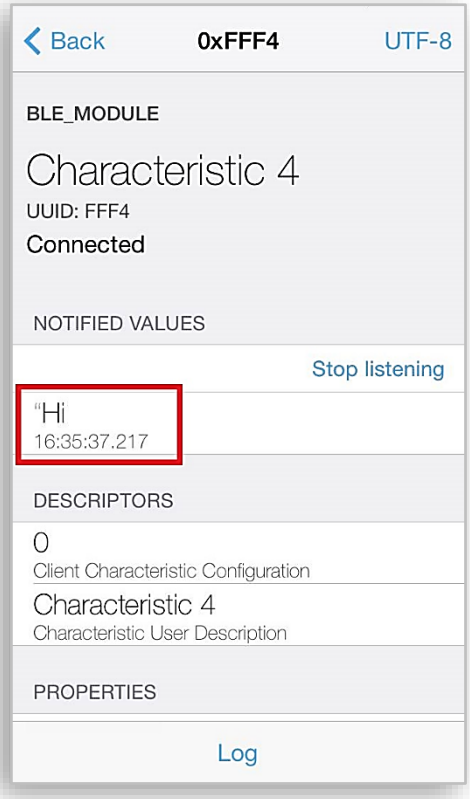
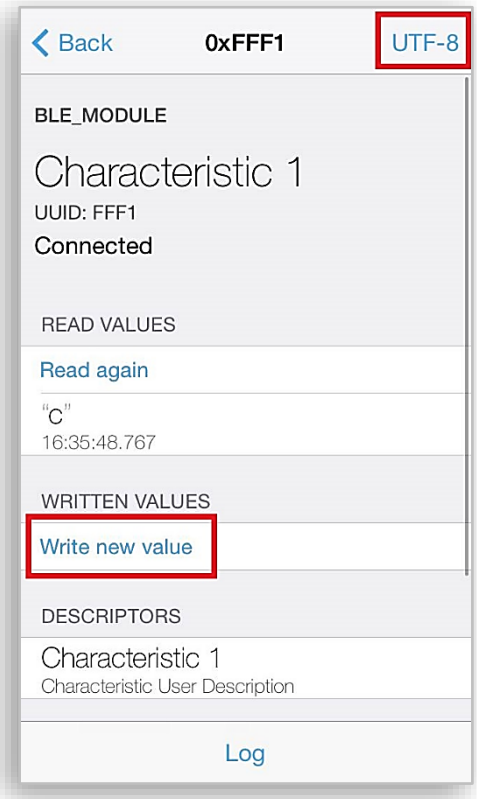
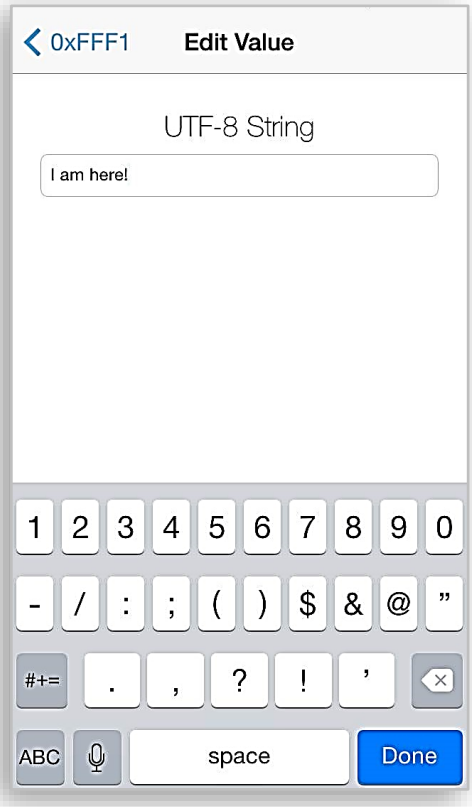
4. 從 Windows 上的終端機傳送 "Hi" 字串到手機 APP 端，立即顯示如下。

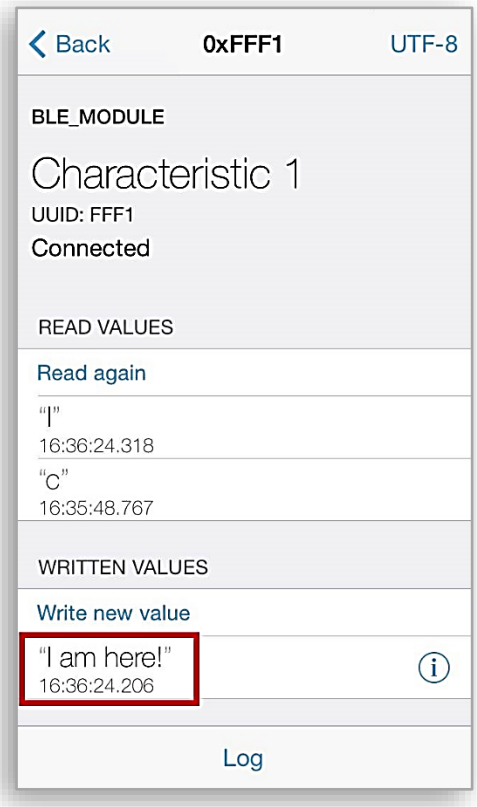
5. 此時再進入 Characteristic 1 模式，一樣先將右上方顯示字元方式從" Hex " 改為 " UTF-8 String "，再按下 ” Write new value ”。





6. 輸入要傳送到 Windows 上的終端機的訊息，傳送成功後會顯示之前發送的記錄。





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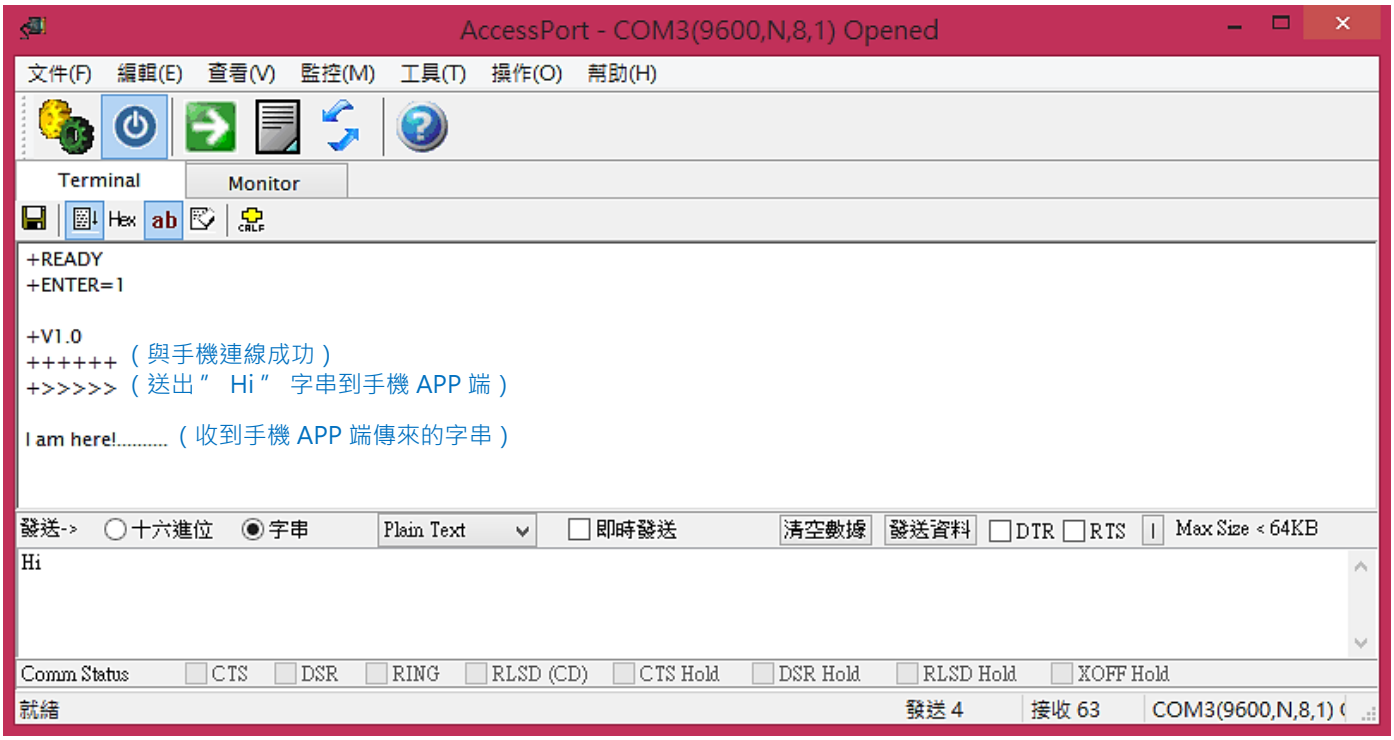
7. Windows 上的終端機顯示資訊如下：



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