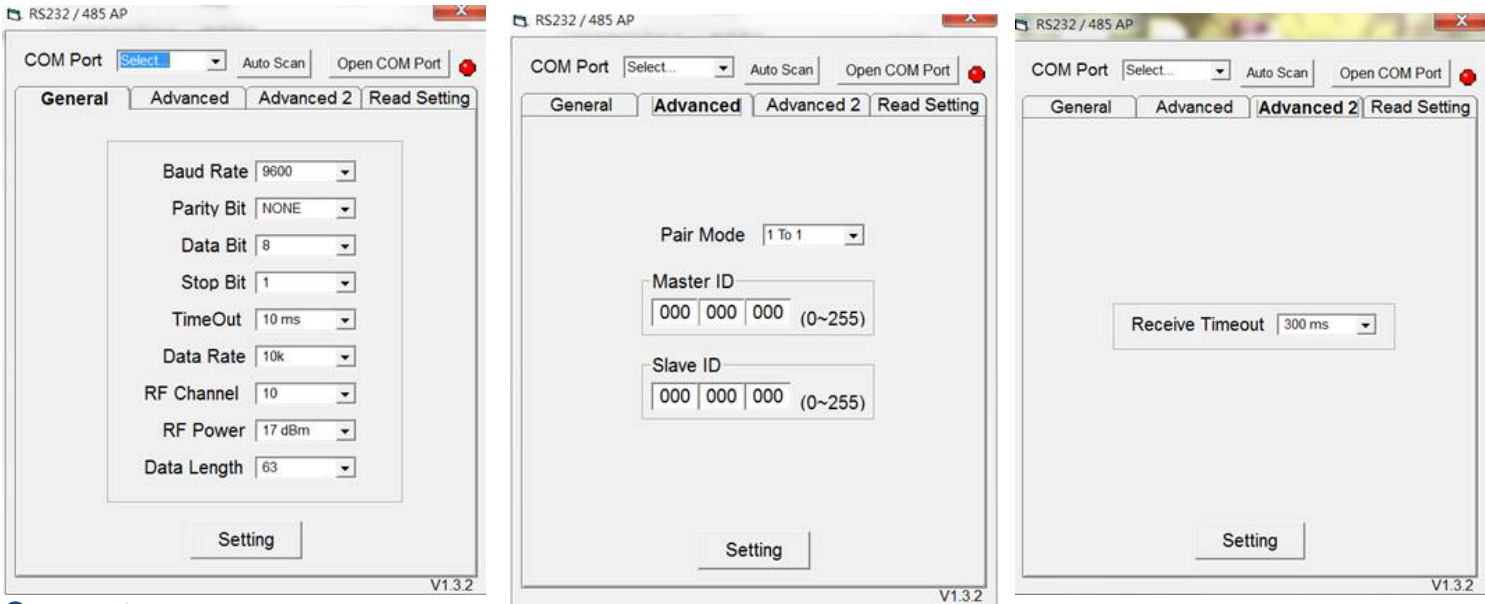


# RS-232 ADV AP pairing setting



## Connect

1. Execute the R232/ 485/ USB AP.exe, it shows a window above.
2. Use the RS232(DB9) to USB cable connecting between the RS232 dongle and NB/ PC's USB port.
3. Please check RS232 dongle and NB/ PC connecting or not and then AP window will show "Auto Scan" to select the Com Port.
4. **AP Only support UART baudrate:9600bps,Data bit: 8;Parity bit: None; Stop Bit:1**

## General setting

5. Baud Rate: Baud rate value.
6. Parity Bit: None / Odd / Even.
7. Data Bit: 6/ 7/ 8 (bit).
8. Stop Bit: 1/ 2 (bit).
9. Time Out: (UART none data input waiting for the time out value), selecting 2ms ~ 1000ms.
10. Data Rate: 2k bps ~ 250k bps.
11. RF Channel: Ch0 to Ch15 (16 channel). **It must select same channel which dongle in same group)**
12. RF Power: Min -8dBm to Max +17dBm (4 levels is selected).
13. Data Length: RF Packet payload data length 13 bytes to 63 bytes (11 levels selected).

## Advanced 1 setting

14. **Pair Mode:**RS232 dongle on 1 to 1 or 1 to muliti mode
15. **Master ID:** Master dongle ID setting
16. **Slave ID:** Slave dongle ID setting

## Advanced 2 setting

17. RF Receive Time out setting

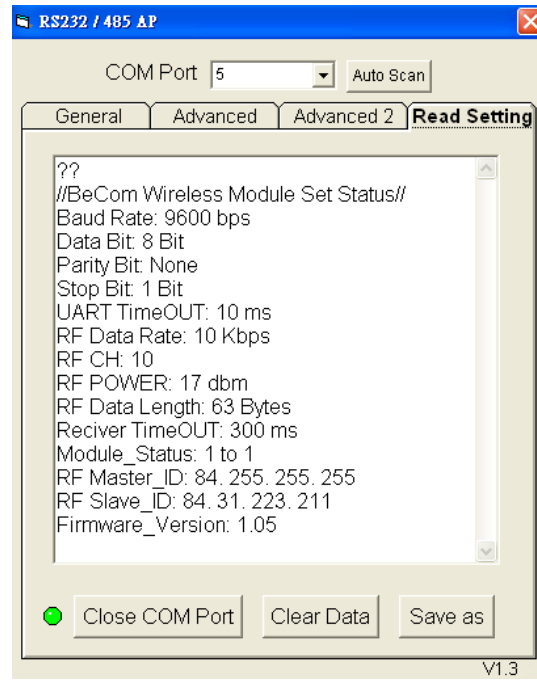
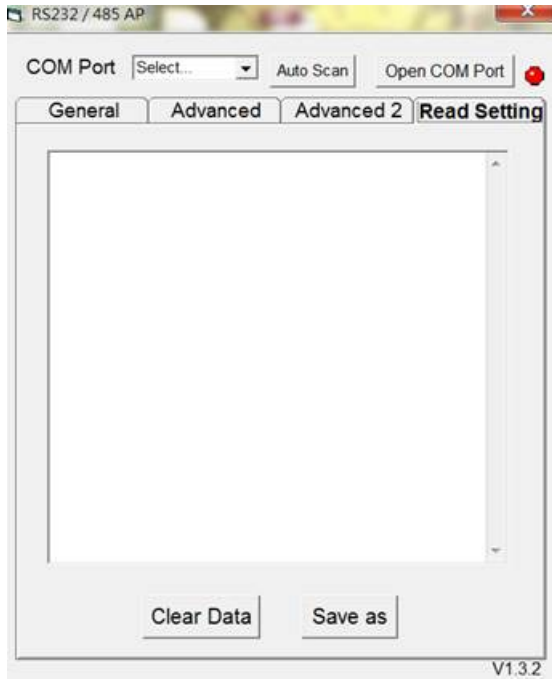
## Read setting

18. Read Current setting value
19. Press the "Setting" button, if the RS232 dongle was succeed, it Tx/ Rx LED light will be flashing 3 times

	Function	Description
RESET Restore	Restore RF Module to factory default setting  Baudrate:9600bps, Data bit: 8; Parity bit: None; Stop Bit:1 RF data rate: 10kbps, Timeout :300ms, Mode: 1 Master 1 Slave	Hold Pairing/Reset Key 6 second and release (P17 low trigger over 6 sec)  Success : TX,RX LED will flash 5 times alternation (P9,P10 output low 5 time alternation)
UART Baud rate Setting AP	1. Connect Dongle/Module UTX URX pin to PC COM/USB port 2. Open UART Baud rate Setting API Select baud rate, Parity bit, Data Bit, Stop bit..... Click "Setting" button then finish change setting  ※Before setting UART, Must reset(restore) RF Module to factory default setting**	Success : TX,RX LED will flash 3 times (P9,P10 output low 3 time) ※Notice: Only can be setting one time, Due to Baud rate setting changed, It must restore to factory default setting

# RS-232 ADV AP pairing setting

## Read setting



※Before read Dongle setting ,Do not Reset/Restore to factory default setting※

### 1.P20 Master/Slave switch input

- i. High >100ms then Low>100ms,switch to High >100ms
- ii. Low >100ms then High>100ms,switch to Low >100ms

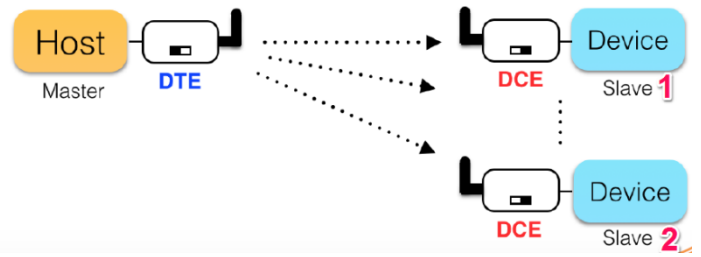
### 2. RS-232 Dongle will generate current setting value and send by UART port(base on 9600bps,8,N,1, ASCII format)

### 3. AP S/W read current Module F/W version and setting value through UART port(base on 9600bps,8,N,1, ASCII format)

# RS-232 ADV AP pairing setting

## 1 to Multi setting

1. Set Master/Slave Dongle to same **RF channel**
2. Set Master/Slave Dongle to **1 to Multi** mode
3. Set Master /Slave Dongle ID to Same **RF ID**
  - A. Master dongle don't set slave ID, remain blank
  - B. Slave dongle don't set Master ID, remain blank



Master

Slave : S1,S2,S3.....

RS232 / 485 AP

COM Port  Auto Scan Open COM Port

**General** Advanced Advanced 2 Read Setting

**Master**

Baud Rate 9600  
Parity Bit NONE  
Data Bit 8  
Stop Bit 1  
TimeOut 10 ms  
Data Rate 10k  
**RF Channel 10**  
RF Power 17 dBm  
Data Length 63

Setting

V1.3.2

RS232 / 485 AP

COM Port  Auto Scan Open COM Port

**General** Advanced Advanced 2 Read Setting

**Slave 1,2,3.....**

Baud Rate 9600  
Parity Bit NONE  
Data Bit 8  
Stop Bit 1  
TimeOut 10 ms  
Data Rate 10k  
**RF Channel 10**  
RF Power 17 dBm  
Data Length 63

Setting

V1.3.2

RS232 / 485 AP

COM Port  Auto Scan Open COM Port

**General** **Advanced** Advanced 2 Read Setting

**Master**

**1 to M**

**Pair Mode 1 To Multi**

**Master ID**  
666 666 666 (0~255)

**Slave ID**  
000 000 000 (0~255)

**Set Master ID only**

Setting

V1.3.2

RS232 / 485 AP

COM Port  Auto Scan Open COM Port

**General** **Advanced** Advanced 2 Read Setting

**Slave 1,2,3.....**

**1 to M**

**Pair Mode 1 To Multi**

**Master ID**  
000 000 000 (0~255)

**Slave ID**  
**666 666 666 (0~255)**

**Set Slave ID only**

Setting

V1.3.2