HL-MD08A Buetooth RS232 Adapter

設定手册



一.產品特色

CSR BC04 v2.0 + EDR Chipset Bluetooth Specification v2.0 EDR Supports Bluetooth Serial Port Profile (SPP) Provides transparent RS232 serial cable replacement. Supports Baud Rate 1.2k to 921.6k bps. Easy to use Windows configuration tool available. RS232 Interface 9pin D-SUB female DCE connector. Supports UART interface. Supports CTS/RTS hardware flow control. True Plug-n-Play, no driver required. Customized features support for pairing mode, device name, PIN code. Supports Bluetooth SPP as a slave or a master. Supports Bluetooth Auto Reconnect.

二.產品規格

Model Number	HL-MD08A-C2			
Bluetooth Profile	Series Port Profile (Bluetooth SPP)			
Standard	Bluetooth specification version 2.0 EDR			
Frequency	2.402GHz ~ 2.480GHz unlicensed ISM band			
Hopping	1,600/sec, 1 MHz channel space			
Modulation Method	GFSK for 1Mbps; Π /4-DQPSK for 2Mbps; 8-DPSK for 3Mbps			
Transfer rates (Max)	Max UART baud rates of 3Mbps			
Spread Spectrum	Frequency Hopping Spread Spectrum (FHSS)			
Signal	TxD, RxD, GND, CTS, and RTS			
RS-232 Interface	D-SUB 9-pin female			
Transfer Baud Rate	Supports 1.2/2.4/4.8/9.6/19.2/38.4/57.6/115.2/230.4/460.8kbps			
RF Output Power	Class 2			
Coverage	Up to 10m			
Tx Power	Max. 4 +/-1 dBm			
Rx Sensitivity	-80 dBm typical			
Antenna	PCB printed Antenna			
Current Consumption	Max. 60 mA			
Input Power	5V DC			
Operating Temperature	$0 \sim +60^{\circ} \text{C}$			
Storage Temperature	-10 ~ +70°C			
Dimensions	22 mm (W) x 77 mm (D) x 12.5 mm (H)			

三.基本參數

預設名稱: BT-RS232

預設配對碼: 0000

預設 RS232 參數: 115200, 8, n, 1

四.LED 燈號說明

1. 快閃: 搜尋模式

2. 慢閃: 等待模式

3. 恆亮:連線模式

五. RS232 腳位說明



Pin	Signal	Direction		
2	TxD	Output	Transmitted data	
3	RxD	Input	Received data	
5	Gnd	N/A	Signal ground	
7	CTS	Input	Clear to send	
8	RTS	Output	Request to send	
9	Vcc	Input	Power supply (optional)	

六. TTL Module 接線圖



七.設定

1. 準備作業

(1)請確認本設備接上電源

(2)連接 RS232 接頭至您的電腦

(3) 藍芽若有與其他連線中, 必須先中斷

2. 開啟設定軟體,



3. 開啟 COM Port

(1)選擇電腦的 COM Port

(2)Baud Rate 預設為115200 (若出貨時已經幫您調整為19200, 就請設為19200)

(3)按Open port

🔂 Device Co	nfigure Utility		
Com Port Port number:	COM1 💙 🗸	INFO Settings Device name:	
Baud rate:	115200 🙎 💌	PIN code:	
Data bit:	8 💌	UART Settings	
Parity bit:	None 💌	Baud rate:	~
Stop bit:	1 🗸	Parity bit:	~
_		Stop bit:	~
	Open port	Enhanced:	~

4. INFO Settings - 資訊設定

INFO Settings			
Device name:	BT-RS232		
PIN code:	0000		

Device name: 設定本機裝置名稱

PIN code: 設定配對密碼

5. UART Settings - RS232 參數設定

UART Settings		
Baud rate:	115200	*
Parity bit:	None	*
Stop bit:	1	*
Enhanced:	Disable	*

任何變更必須牢記,下次必須以該參數開啟 COM Port

6. Mode Settings - 連線模式設定

Mode Settings
 Standard SPP Slave Mode
◯ Client Mode
O Server Mode
Device address:
Auto reconnect remote device when link loss

(1)Standard SPP Slave Mode

標準 SPP 模式, 適用被動連線環境.

(2)Client Mode

一對一模式時的 Client 模式.

(3)Server Mode

一對一模式時的 Server 模式. 需在 Device address 框內輸入 Client 的 MAC 位置.

7. 設定完畢請按 Update 才會儲存,必須關閉電源重新開機.

🔂 Device Co	nfigure Utility				
Com Port			 INFO Settings 		
Port number:	COM1	~	Device name:	BT-RS232	
Baud rate:	115200	*	PIN code:	0000	
Data bit:	8	~	UART Settings		
Parity bit:	None	~	Baud rate:	115200	~
Stop bit:	1	~	Parity bit:	None	*
			Stop bit:	1	*
	Close port		Enhanced:	Disable	~
Device Inform	mation		Mode Settings		
BT address: 3	35:87:D8:67:49:A0	!	Standard SPP Slave Mode		
Application: 9	Standard Serial		◯ Client Mode		
Version: <u>2</u>	<u>2.3</u>		◯ Server Mode		
Build: <u>F</u>	Professional edition	2	Device address:		
Status: <u>(</u>	Connected				
			Auto reconnect remote device when link loss		
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