

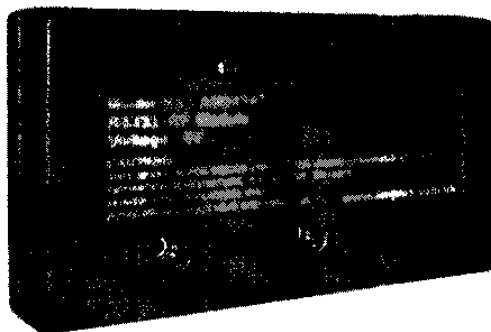


AMPLUS

Wireless RS232

User's Manual

Version 1.0



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FCC Information**FCC Notice**

WARNING: This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference and (2) This device must accept any interference received, including interference that may cause undesired operation.

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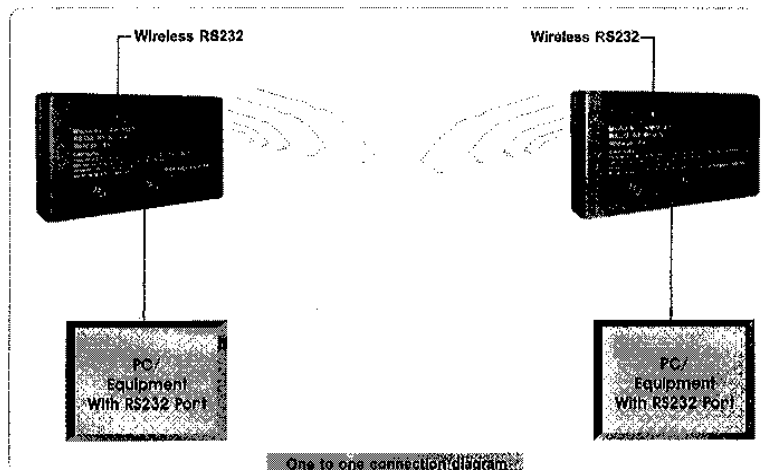
1. Overview

The Wireless RS232 provide a wireless RS232 connection between different devices. It operates at the half-duplex mode with baud rate at 38400 bps. It is virtually same as a direct line communication, There is four channel to change for prevent contention.

2. Connections

Connect 2 Wireless RS232 to the RS232 Port of the 2 PC/Equipment respectively. Select the same channel and set the Baudrate to 38400(if the baudrate is variable). Then they could start communication.

Below is the connection diagram of a one to one connection.



Pin assignment for the DB9/M connector

Pin 2 : TX Data

Pin 3 : RX Data

Pin 5 : GND

Pin 9 : +5V

Pin 1,4,6,7,8 : No Connection

LED indicators

RED Color : Power is on

Orange Color : Flashing when there is RX data or TX data

3. Troubleshooting**Problem & Solution**

a	No Red color LED	The unit is no power, Check power supplied to the module
b	No Orange color LED Flashing when there is TX data	Check the connection between the Wireless RS232 and the Rs232 port of the Equipment
c.	No Orange color LED Flashing when there is TX from the other Wireless RS232 module	- Make sure they are using the same channel, if it is un-certain, reprogram them again. - Check the connection between the wireless RS232 and the RS232 port of the Equipment.
d.	The RX Orange LED is flashing but no data is appear on the equipment	- Check the connection between the wireless RS232 and the RS232 port of the Equipment. - Check the Baud rate of the Equipment, it must 38400 bps.

Are you still have problem.

Review this manual

At www.amplus.com.hk

Click on support for technical support an troubleshooting info.

Or

Email : Support@amplus.com.hk

KONT021

廣州佳飛電子有限公司

01/24/2005

頁: 1

物料單清單

B.O.M. : BP04167VCO0		I 高頻模組PCB		版本 : 00		PCS	
半成品 : BP04167VCO0		I 高頻模組		生產批量 : 1.00		PCS	
層次	替換類別	半成品 / B.O.M. / 物料	數量	採購需求數量	淨數量	淨採購需求數量	單位
							管制物料位置
.1	M	CE107M01657	1.0000	1.0000	1.0000	1.0000	PCS
		電解 100uF 16V 5X7 +/-20%					Ca2
			1.0000	1.0000			M0009 (14),
							C0007 (14),
							GZ0051 (20),
							H0002 (14),
							S0030 (20)
.1	M	CS102K05003	1.0000	1.0000	1.0000	1.0000	PCS
		SMD 1000PF+/-10% 50V 0603					C31
			1.0000	1.0000			S0005 (30),
							G0036 (20),
							GZ0005 (14),
							T0001 (14),
							T0006 (0),
							W0006 (30)
.1	M	CS103Z05003	4.0000	4.0000	4.0000	4.0000	PCS
		SMD 0.01UF+80-20% 50V 0603					C21,C22,C29,
			4.0000	4.0000			C30
							W0006 (30),
							G0036 (20),
							GZ0005 (14),
							T0001 (14)
.1	M	CS104Z02503	8.0000	8.0000	8.0000	8.0000	PCS
		SMD 0.1UF+80-20% 25V 0603					C08,C32,C34,
			8.0000	8.0000			C35,C36,C37,
							C41,C42
							W0006 (30),
							GZ0005 (14),
							S0014 (0),
							T0001 (14)
.1	M	CS105Z01003	3.0000	3.0000	3.0000	3.0000	PCS
		SMD 1UF +80%-20% 10v 0603					C23,C38,C33
			3.0000	3.0000			GZ0005 (14),
							G0036 (14)
.1	M	CS123Z05003	1.0000	1.0000	1.0000	1.0000	PCS
		貼片電容12nF 50V 0603					C20

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物料單清單

B.O.M. : BP04167VCO0 [高頻模組PCB
半成品 : BP04167VCO0 [高頻模組

版本 : 00
生產批量 : 1.00 PCS

層次	替換	類別	半成品 / B.O.M. / 物料	數量 採購需求數量	淨數量 淨採購需求數量	單位	管制 物料	位置	供應商	訂貨時間
.1	M	CS124Z05003	貼片電容120nF 50V 0603	1.0000 1.0000	1.0000 PCS 1.0000 PCS			C19		
.1	M	CS200J05003	SMD 20P +/-5% 50V NPO 0603	4.0000 4.0000	4.0000 PCS 4.0000 PCS			C24, C25, C39, C40	GZ0005 (14)	
.1	M	CS2R2C05003	貼片電容2.2PF 50V 0603	1.0000 1.0000	1.0000 PCS 1.0000 PCS			C26		
.1	M	CS3R3C05003	貼片電容3.3PF 50V 0603	1.0000 1.0000	1.0000 PCS 1.0000 PCS			C28		
.1	M	CS8R2C05003	貼片電容8.2PF 50V 0603	1.0000 1.0000	1.0000 pcs 1.0000 pcs			C27		
.1	M	DL3WSRKSQWH	雙色發光二極管 共陽極	1.0000 1.0000	1.0000 PCS 1.0000 PCS			LED	S0029 (20), C0027 (20), S0008 (20)	
.1	M	ICATMEGA48V	集成塊 ATmega48v	1.0000 1.0000	1.0000 PCS 1.0000 PCS			IC3		
.1	M	ICF505BMLMM	集成塊 MICRF505BML	1.0000 1.0000	1.0000 PCS 1.0000 PCS			IC1	L0001 (20)	
.1	M	IZ8800DEEMM	穩壓IC AME8800DEET 2.5V	2.0000 2.0000	2.0000 PCS 2.0000 PCS			IC2, IC4	GZ0016 (14)	
.1	M	LM000121003	穿芯電感120R CB1608-121	10.0000 10.0000	10.0000 PCS 10.0000 PCS			L1, L2, L3, L4, L5, L6, L7, L8, L9, L10	GZ0010 (14)	

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物料單清單

B.O.M. : BP04167VCO0 [高頻模組PCB] 版本 : 00
 半成品 : BP04167VCO0 [高頻模組] 生產批量 : 1.00 PCS

層次	替換	類別	半成品 / B.O.M. / 物料	數量 採購需求數量	淨數量 淨採購需求數量	單位	管制 物料	位置	供應商	訂貨時間
.1	M	LM000872J03	貼片電感8.7nH 0603 CCSP 8N7K	1.0000 1.0000	1.0000 PCS 1.0000 PCS			L13	C0010	
.1	M	QS009013M0G	貼片三極管 9013 SOT-23	2.0000 2.0000	2.0000 PCS 2.0000 PCS			Q1,Q3	GZ0032 (0), GZ0035 (14)	
.1	M	QSMMBT9015D	SMD三極管 MMBT9015DLT1	1.0000 1.0000	1.0000 PCS 1.0000 PCS			Q2	GZ0035	
.1	M	RS102R10J03	SMD 電阻 1K +/-5% 0603	2.0000 2.0000	2.0000 PCS 2.0000 PCS			R23,R27	S0005 (30), G0011 (20), GZ0005 (14), H0013 (20), W0006 (30)	
.1	M	RS103R10J03	SMD 電阻 10K 1/10W +/-5% 0603	3.0000 3.0000	3.0000 PCS 3.0000 PCS			R21,R25,R26	S0005 (30), G0011 (20), GZ0005 (14), H0013 (0), W0006 (30)	
.1	M	RS104R10J03	SMD 電阻 100K 5% 0603	1.0000 1.0000	1.0000 PCS 1.0000 PCS			R-SET	S0005 (30), G0011 (20), GZ0005 (14), H0013 (0), W0006 (30)	
.1	M	RS183R10J03	SMD 電阻 18K +/-5% 0603	2.0000 2.0000	2.0000 PCS 2.0000 PCS			R11,R15	H0013 (14)	

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物料單清單

B.O.M. : BP04167VCO0 | 高頻模組PCB
 半成品 : BP04167VCO0 | 高頻模組

版本 : 00
 生產批量 : 1.00 PCS

層次	替換	類別	半成品 / B.O.M. / 物料	數量	採購需求數量	淨數量	淨採購需求數量	單位	管制	物料	位置	供應商	訂貨時間
.1	M	RS220R10J03	SMD 22 OHM 1/10W +/-5% 0603	1.0000	1.0000	1.0000	1.0000	PCS		R-GRE		S0005 (30), H0013 (14), W0006 (30)	
.1	M	RS332R10J03	SMD 3.3K 5% 1/10W 0603	2.0000	2.0000	2.0000	2.0000	PCS		R13,R-RED		W0006 (30), G0011 (20), G20005 (14), H0013 (14)	
.1	M	RS333R10J03	SMD 33K 1/10W +/-5% 0603	1.0000	1.0000	1.0000	1.0000	PCS		R22		S0005 (30), H0013 (0), W0006 (30)	
.1	M	RS823R10J03	SMD 82K +/-5% 1/10W 0603	1.0000	1.0000	1.0000	1.0000	PCS		R16		S0005 (30), H0013 (14), W0006 (30)	
.1	M	XT0000008M38	晶振 8MHZ AT-38 3X8mm	1.0000	1.0000	1.0000	1.0000	PCS		X2		H0023	
.1	M	XY0016M63R5	晶振16MHZ 6X3.5MM	1.0000	1.0000	1.0000	1.0000	PCS		X1		H0023 (14)	

操作員 : QA (日期 : 01/24/2005, 時間 : 21:15:52)

** 報表完結 **

The antenna(s) used for this transmitter must be installed to provide a separating distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.