## 1,Signal channel Bluetooth relay module basic instructions:

(1) IN+ and IN- connect to 5V power adapter(this is an example for 5V version, if you bought is 12V version, please use 12V power adapter)



(2) Install the "BlueSPP\_37" APP on your Android phone, enable your phone's bluetooth function. Open the APP and click "connect", select BLT device (such as BTA-04, JDY-30,etc) and insert password(the default password is 1234)





(3) Press the function blocks and enter the name and content of the serial command(A00101A2 open relay,A00100A1 closed relay,command format must be hex)

<b>- 4</b>	*	⊗51% <mark>=</mark> 14:36	🖿 🐟 📑	∦ ⊘51% <mark>–</mark> 14:37
JDY-30		DISCONNECT	JDY-30	DISCONNECT
案告广告			<b>桨告广告</b>	
KEYBOARD	SWITCH	JADX	KEY Button Edito	or
			S	itatus OFF
			open-1	
			Character 🧿	HEX
			A0 01 01 A2	
			5	Status ON
			close-1	
			🔿 Character 🧿	HEX
			A0 01 00 A1	
			Cancel	ок
Press and hold the button down to customize.			Press and hol cu	d the button down to istomize.

(4) Finally you can send serial command to control the relay by click the function blocks.

🛌 🛠 📑	>	₿ ⊗53% – 14:27
JDY-30		DISCONNECT
<u>操告广告</u>		JADX
KEYBOARD	SWITCH	
open-1		
Press and	d hold the but	ton down to



## 2, How to modify the Bluetooth(BLT) device password and name:

We can send AT command to BLT device via UART to set the parameter of BLT device. The mode of BLT device is depend on the status between your phone and BLT device. It's AT mode when unconnected, and it's transparent transmission mode when connected.

Method: Using an USB to TTL serial port module(such as FT232: <u>http://www.chinalctech.com/index.php?\_m=mod\_product&\_a=view&p\_i</u> <u>d=809</u>), and 5V,TX,RX,GND pin of FT232 connect to IN+,TX,RX,INpin of relay module,Open serial debugging software on the PC, sending AT command to configurate BLT device.





(1) Modify the BLT password: For example, if we want to change the password(default is 1234) to 8888, we can send "AT+PIN8888".

and the second sec	options(O	) Hel	p(H)
COMSet	ings		COM port data receive
PortNun	СОМ8	•	+PIN=8888
BaudR	9600	-	OK
DPaity	NONE	-	
DataB	8 bit	-	
StopB	1 bit	•	
	) Close	•	
□ Rec □ Add □ Rec	eive to fi line retu eive As HI	ile mrn EX	
☐ Rec Save	eive Pause . <u>Clea</u>	e r	
Send Op	tions a from fil	Le	
☐ Dat ☐ Aut ☐ Aut ☐ Sen	o Checksum o Clear In d As Hex	nput	
Dat Aut Sen Sen Interv	o Checksum o Clear In d As Hex d Recycle al 1000	nput ms	AT+PIN8888 Sene

(2) Modify the BLT name : For example, if we want to change the device name to LCTECH(default is BTA-04,JDY-30,etc), we can send"AT+NAMELCTECH", and then send "AT+RESET" can set the device name as LCTECH.

GUSR-TCP232-Test RS2	232 to Ethernet Convert tester	
COMSettings PortNum COM8 • BaudR 9600 • DPaity NONE • DataB 8 bit • StopB 1 bit • Close Recv Options Receive to file Add line return Receive As HEX Receive Pause Save Clear Send Options Data from file Auto Checksum Auto Clear Input Send As Hex Save Receivela	COM port data receive +NAME=LCTECH OK OK +JDY-30-READY +PAIRABLE	
Interval 1000 ms Load Clear	AT+RESET	Send
💣 Ready!	Send: 328 Recv: 104	Reset

Regarding the common AT command of BTL device as below:

(1)Test : AT
(2)Reset: AT +RESET
(3)Get version: AT +VERSION
(4)Restore default: AT +DEFULT
(5)Inquire bluetooth address: AT +LADDR
(6)Set/Inquire device name: AT +NAME, such as send "AT+NAMELCTECH ", and then send "AT+RESET" can set the device name as LCTECH
(7)Set/Inquire password: AT +PIN, such as send "AT+PIN8888" can set the password as 8888
For more AT command details, please see the BLT device datasheet (SPP-C AT command).

## **Kindly Remind:**

1, If no response when send AT command, maybe you need press ENTER before click "Send".

2, When you send AT command configurate BLT device, the status between your phone and BLT device must be unconnected, otherwise the AT command will be invalid

深圳市艾尔赛科技有限公司 Shenzhen LC Technology Co., Ltd.

邮编: 518000 Postcode: 518000

传真: 0755-83834706 Fax: 86-755-83834706

电话: 0755-82720811 Tel: 86-755-82720811

手机: 18927473783 Mobile: 86-18927473783

广东省深圳市龙华新区东环一路中泰电子科技园 1 栋 202 室 Address: Room 202, Building No.1, Zhongtai Electronic Hi-Tech Park, Donghuan 1st Road, Longhua District, Shenzhen, Guangdong, China