Set up connections between two BluetoothBee step by step

Terminal tool run on PC: sscom32E.exe

1. Connect two BluetoothBee to PC through UartSB.(Green led blinks 2times/1s)



2. Open two sscom32E terminals and set the configuration as following.

SSCOM3.2 (Author: NieXiaoMeng . http://www.	mcu51.com, Email: 💻 💷 🗙
master	
OpenFile FileNm S	endFile SaveData Clear 🔲 HexData
ComNum COM13 💌 🛞 CloseCom Help	WWW. MCU51.COM EXT
BaudRa 38400 ▼ DTR RTS DataBi 8 ▼ Send eve 1000 ms/Time 5 StopBi 1 ▼ SendHEX SendNew VerifylNone ▼ Data input: SEND htt FlowConNone ▼	大虾电子网使用从前的域名www.daxia.com! 次仰访问大虾电子网的大虾论坛!! 文甲直接讲入 www.daxia.com/bibis 点立创PCB样板,双面:最低50元/款(长宽5cml .p://www.daxia.com/pcb/
ww.mcu51.cor S:0 R:0 COM13	opened 38400bp: CTS=0 DSR=0 RL
k SSCOM3.2 (Author: NieXiaoMeng . http://www.	mcu51.com, Email: 🗖 🗖 🔀
slave	
OpenFile FileNm S	endFile   SaveData   Clear     HexData
ComNum COM16 💌 🛞 CloseCom Help	WWW. MCU51.COM EXT
BaudRa 38400 ▼ DTR RTS DataBi 8 ▼ Send eve 10 ms/Time StopBi 1 ▼ SendHEX SendNew Verifyl None ▼ Data input: SEND	大虾电子网使用从前的域名www.daxia.com! 次仰访问大虾电子网的大虾论坛!! 文甲直接讲入 www.daxia.com/bibis 东分创PCB样板,双面:最低50元/款(长宽5cml p://www.daxia.com/pcb/
FlowCojNone	opened 38400bp

- 3. Set one Bluetooth as master and start inquiring
  - (1) Choose SendNew and click SEND with empty data. (This actually is to send "\r\n")

SSCOM3.2 (Au	uthor: NieXi	aoMeng . http	://www.	mcu51.c	om, Email:			×
		maste						*
OpenFile FileNm ComNum COM13 💌	0 Clos	seCom Hel	p. S.	endFile   WWW	SaveData V. <b>MCU5</b>	Clear <b>1.COM</b>	_ н	exData EXT
BaudRa 38400 ▼ DataBi 8 ▼ StopBi 1 ▼ Verifyl None ▼	DTR Send ev SendHE Data input	RTS 7e 1000 ms/ 1000 sendNev 1: SEND	Time ☆7 ★x 点i ★\$	大虾电子P 次仰访问7 文甲直接驶 素分创PCB .p://www.	冈使用从前的 大虾申.子网的 井入 www.da ば杠板,双面: daxia.com/	的域名www. 你大虾论坛 xi a. com/t 最低50元/ pcb/	daxia. !! jibis (款(长	com! ⑦:5cml
FlowCon None -	)	R:0	COM13	opened	38400bp	CTS=0 D	SR=0	RL /

## (2) Set Bluetooth as master

SSCOM3.2 (Author: NieXiaoMeng . http://ww	ww.mcu51.com, Email: 💻 😐 🗴
+ +STWMOD=1 WORK: MASTER	
OpenFile FileNm ComNum COM13 💌 🎯 CloseCom _ Help	SendFile SaveData Clear HexData
BaudRa 38400 V DTR RTS DataBi 8 Send eve 1000 ms/Time StopBi 1 SendHEX SendNew Verify None Data input: SEND	★大虾电子网使用从前的域名www.daxia.com! ★欢仰访问大虾电子网的大虾论坛!! 点这里直接进入 www.daxia.com/bibis ★嘉立创PCB样板,双面:最低50元/款(长宽5cm http://www.daxia.com/pcb/
Ww.mcu51.cor S:13 R:32 CON	A13 opened 38400bp: CTS=0 DSR=0 RL

(3) Send "\r\n" as (1)

(4) Make master start inquiring. (Green and Red Led blink 2times/1s in interval)

SSCOM3.2 (Author:	NieXiaoMeng . http	p://www.mcu51.com, Email: 💻 😐 🗙
+ +STWMOD=1	mas	ster
WORK: MASTER		
+		
		-
OpenFile FileNm		SendFile SaveData Clear 🗆 HexData
ComNum COM13 💌 🍥	CloseCom Hel	LP WWW. MCU51.COM EXT
BaudRa 38400 💌 🗖 🛙		★大虾电子网使用从前的域名www.daxia.com!
DataBi 8 🔻 🗖 S	end eve 1000 ms.	/Time 点汶里直接进入 www.daxia.com/bibis
StopBi 1 🔽 🗖 S	endHEX 🔽 SendNev	✓ ★嘉立创PCB样板,双面:最低50元/款(长宽5cml)
Verifyl None 🔻 Data	input: SEND	http://www.daxia.com/pcb/
FlowCon None 🔻 +ING	<b>!</b> =1	
/ww.mcu51.cor S:23	R:36	COM13 opened 38400bp: CTS=0 DSR=0 RL

- 4. Set the other Bluetooth as slave and enable been inquired.
  - (1) Send "\r\n"
  - (2) Set Bluetooth as slave

SSCOM3.2 (Author: NieXiaoMeng . http://www.mcu51.com, Email:			23
+ +STWMOD=0 WORK: SLAVER			*
OpenFile FileNm SendFile SaveData ComNum COM16 ▼ ⑧ CloseCom Help WWW.MCU51.	Clear <i>COM</i>		- HexData EXT
BaudRa 38400 ▼ DTR RTS DataBi 8 ▼ Send eve 10 ms/Time StopBi 1 ▼ SendHEX ▼ SendNew Verifyl None ▼ Data input: SEND ★大虾电子网使用从前的场 会欢仰访问大虾电子网的大 点这里直接讲入 www.daxis 全菜方创PCB样板,双面:最行 http://www.daxia.com/pcl	【名www. [虾论坛 a. com/l 低50元/ b/	daxi; !! oibis (款(·	a. com! 长宽5cml
FlowCon None       +STWMOD=0         /www.mcu51.cor S:13       R:32       COM16 opened 38400bp; C1	rs=0 D	SR=(	D RL'

## (3) Send "\r\n"

(4) Enable slave been inquired. (Green and Red Led blink 2times/1s in interval)

SSCOM3.2 (Au	uthor: NieXiaoMeng . htt	p://www.mcu51.com, Email: 💷 💷 🔀
+ +STWMOD=O	slav	7e
WORK: SLAVER		
+		
		·
OpenFile FileNm	i i i i i i i i i i i i i i i i i i i	SendFile SaveData Clear 🗖 HexData
ComNum COM16 💌	🕘 CloseCom 🛛 Hei	Lp WWW. MCU51.COM EXT
BaudRa 38400 💌		★大虾电子网使用从前的域名www.daxia.com!
DataBi 8 💌	🔲 Send eve 🛛 10 🛛 ms	:/Time 富然阿切回入\$P中,十四时入\$PD/2左!! 点这里直接进入 www.daxia.com/bibis
StopBi 1 💌	🔲 SendHEX 🔽 SendNe	₩ ★嘉立创PCB样板,双面:最低50元/款(长宽5 cml
VerifyNone 🔻	Data input: SEND	http://www.daxia.com/pcb/
FlowCon None 💌	+INQ=1	
/ww.mcu51.cor S:2	23 R:36	COM16 opened 38400bp: CTS=0 DSR=0 RL

5. At this point, you will find in the master terminal will display info like following:

SSCOM3.2	(Author: NieXi	aoMeng . http	://www.mcu51.c	om, Email:		
+ WORK: MASTER +WENDY +RTINQ=0, 18, E4	, 24, 90, 4;SKOOM	ISE	aster			*
OpenFile File ComNum COM13	eNm  Clos	seCom Hel	SendFile	SaveData V. <b>MCU5</b>	Clear 1.COM	HexData EXT
BaudRa 38400 DataBi 8 StopBi 1 Verify None FlowCon None	<ul> <li>DTR</li> <li>Send ev</li> <li>SendHEX</li> <li>Data input</li> <li>HINQ=1</li> </ul>	RTS ze 1000 ms/ ( SendNew t: SEND	/Time ★大虾电子F ★欢仰访问: 点这里直接) ★嘉立创PCI http://www.	网使用从前的 大虾电子网的 井入 www.da 3样板,双面: daxia.com/	9城名www.d 9大虾论坛! xia.com/bi 最低50元/翡 pcb/	laxia.com! ! bis 款(长宽5cml
/ww.mcu51.cor	S:23	R:63	COM13 opened	38400bp	CTS=0 DS	SR=0 RL

The info "+WENDY" may be the Bluetooth of somebody's cellphone.

The info "+RTINQ=0,18,E4,24,90,4;SK00MSE" means the master has searched a Bluetooth device (slave) with the address "0,18,E4,24,90,4" and the name "SK00MSE".

- 6. Connect to the slave. (In master terminal)
  - (1) Send "\r\n"
  - (2) Connect to the slave as following

SSCOM3.2 (Author: NieXiaoMeng . http://www.mcu51.com	n, Email: 🗆 💷 🔀
+ WORK: MASTER +WENDY	
+RTINQ=0, 18, E4, 24, 90, 4; SKOOMSE	
+	-
OpenFile FileNm SendFile S	aveData Clear 🗌 HexData
ComNum COM13 💌 🛞 CloseCom Help WWW.	MCU51.COM EXT
BaudRa       38400 ▼       DTR       RTS       ★大虾电子网付         DataBi       8       ▼       Send eve       1000       ms/Time       ★京汶叩访问大约         StorBi       1       ▼       Send HEX       ✓       SendNew       ★東京台NEX	使用从前的域名www.daxia.com! 际电子网的大虾论坛!! / www.daxia.com/bibis /板 双面:最低50元/数(长宽5cml
Verifyl None V Data input: SEND http://www.da	uxia.com/pcb/
FlowCon None - +CONN=0, 18, E4, 24, 90, 4	
/ww.mcu51.cor S:48 R:67 COM13 opened 3	8400bp: CTS=0 DSR=0 RL

If the green led on master and slave is blinking 1time/2s, congratulations, you have established the connection between Bluetooth. And now you can send any info to each other.

🛓 SSCOM3.2 (Author: NieXiaoMeng . http://www.mcu51.com, Email: 💷 💷 🔀
+ HORK: MASTER HWENDY +RTINQ=0, 18, E4, 24, 90, 4; SKOOMSE
thello, I'm slave
OpenFile FileNm SendFile SaveData HexData
ComNum COM13 💌 🛞 CloseCom Help WWW. MCU51.COM EXT
BaudRa 38400 ▼ □ DTR □ RTS DataBi 8 ▼ □ Send eve 1000 ms/Time StopBi 1 ▼ □ SendHEX ▼ SendNew ∮素立创PCB样板,双面:最低50元/款(长宽5cm
Verifyl None 🔻 Data input: SEND http://www.daxia.com/pcb/
FlowCon None 💌 hello, I'm master
ww.mcu51.cor S:66 R:84 COM13 opened 38400bp: CTS=0 DSR=0 RL //

SSCOM3.2 (Author: NieXiaoMeng . http://w	ww.mcu51.com, Email: 🗖 🔲 🔀
+ +STWMOD=0 WORK:SLAVER +hello,I'm master	
OpenFile FileNm	SendFile SaveData Clear HexData
ComNum COM16 💌 🎯 CloseComHelp	WWW. MCU51.COM EXT
BaudRa 38400 ▼ □ DTR □ RTS DataBi 8 ▼ □ Send eve 10 ms/Time	★大虾电子网使用从前的域名www.daxia.com! ★欢仰访问大虾电子网的大虾论坛!! 点这里直接进入 www.daxia.com/bibis
StopBi 1 SendHEX SendNew	★嘉立仓IPCB样板,双面:最低50元/款(长宽5cm  http://www.dowie.com/ach/
Verify None V Data input: SEMD FlowCon None V hello, I'm slave	ACCEP. / J WWW. UMXIN. COM/ PCD/
/ww.mcu51.cor S:40 R:54 COI	M16 opened 38400bp: CTS=0 DSR=0 RL

7. How to disconnect two devices.

The default configuration will make two paired Bluetooth auto connect when powered. If you want to disconnect them, you may need to pull PIO0 high.

## Seeed Studio Works

Note: To make configuration work properly, the critical part is to send "\r\n" before and after the command. "\r\n" is 0x0D 0x0A in hex, which means return and next row.

One another way to send the command is all in hex mode like following:

SSCOM3.2 (Author: NieXiaoMeng . http://www.mcu51.com, Email: 💷 💷	23
+STWMOD=1 Set Multi Char COM DATA HEX DATA S	SEND
WORK: MASTER	1
	2
	3
	4
	6
- Round send, interval: 1000	ms
OpenFile FileNm SendFile SaveData Clear He	exDats
ComNum COM13 - CloseCom Help WWW. MCU51.COM	Hide
BaudRa 38400 ▼ □ DTR □ RTS ★大虾电子网使用从前的域名www.daxia. カ・カ・ローク □ DTR □ RTS ☆双仰访问大虾电子网的大虾论坛!!	com!
Databio V Condeve 1000 misrime 点汶甲首接讲入 www.daxia.com/bibis	œ-
Stoppill ▼ ▼ Sendrick ) Sendrick ▼ 素分別PLD4件板,XX面:版版50元/彩(长 W :c.Mono ▼ Data input: SEND bttp://www.daxia.com/nch/	CC S CM
FlowCon None V DD OA 2B 53 54 57 4D 4F 44 3D 31 0D OA	
ww.mcu51.cor S:13 R:29 COM13 opened 38400bp: CTS=0 DSR=0	RL /

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