

# **Bluetooth Connection Manual**

# **Mobile Printer**

Rev. 1.00 SPP-R200II SPP-R300 SPP-R400

http://www.bixolon.com

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# 1. Manual Information

This Bluetooth Connection Manual provides information on the connection of Bluetoothenabled devices (PDAs, PCs, etc.) with the printer.

We at BIXOLON maintain ongoing efforts to enhance and upgrade the functions and quality of all our products. In following, product specifications and/or user manual content may be changed without prior notice.

## 2. Precautions

- 2-1 To connect the printer with another device via Bluetooth, the devices must be within 10m of one another. The connection is broken if the distance between devices exceeds 10m.
- 2-2 The maximum separating distance may be shortened if transmission obstacles, such as cement walls, are present.
- 2-3 If a device (such as a microwave oven, wireless LAN, etc.) that uses the same frequen cy is present, transmission may be interrupted. Separate the printer and Bluetooth-enabled device from such interrupting devices by a distance of at least 5m.

# 3. General Sequence for Bluetooth Connections

Bluetooth connection methods vary by device. The following is the general sequence for Bluetooth connections, provided for reference purposes.

- 3-1 Turn on power of each device
  - PDAs, PCs (Bluetooth Dongle), printers, etc.
- 3-2 Run a Bluetooth connection program on the PDA or PC.
- 3-3 Search for the peripheral with which to establish the connection.
  - Search for the printer.
- 3-4 Register this Printer from the search results.
  - If a security setting is enabled, register after entering the PIN Code. (PIN Code=Pass Key: password of the Bluetooth device, Default code: 0000)

#### 3-5 Test the connection.

- When connected, confirm the designated COM port of fixed COM port and print.

# **4. Bluetooth Connection Instructions**

This manual focuses on the use of the following devices.

Please use this manual as a guide when using devices other than those listed here.

- Intermec PDA (Device: CN2B, OS: Pocket PC 4.20.0)
- SYMBOL PDA (Device: SYMBOL MC70, OS: Windows Mobile 5.0)
- HP PDA (Device: iPAQ hx2700, OS: Windows Mobile 5.1.1702)
- Mobile Compia PDA (Device: M3, OS: WinCE 5.0)
- InnoTeletek PDA (Device: MC3000, OS: WinCE 4.2)
- Widefly PDA (Device: WF35, OS: WinCE 5.0)
- Bluetooth Dongle (BlueSoleil IVT Stack)
- Bluetooth Dongle (Widcomm Stack)

After turning on the power of all Bluetooth devices, perform the connection process. - PDAs, PCs (Bluetooth Dongle), printers, etc.

## 4-1 Connecting with an Intermec PDA (Device: CN2B, OS: Pocket PC 4.20.0)



2) Click "Settings".



3) Click "Connections".

#### File Zoom Tools <u>H</u>elp 🗱 📢 9:27 - 😣 Settings **A**2 翻翻 Buttons Input Menus Owner Sounds & Password Information Notifications (4 Today Personal System Connections

4) Click the "Bluetooth" icon.



5) Click to check the "On" option.



7) Click the "Device Discovery" button.

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6) Click the "Wireless Printing" menu bar



8) Select Devices of the Printer,

and click the "Connect" button.

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9) Select the COM port to be used.

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11) Click the "OK" button.



10) Check the "Enable Wireless Printing" and "Default" checkboxes, and click the "Printer Test Page" button.

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	Enable Wireless Printing Default Printer is enabled on COM6					
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12) The PIN Code(Device PIN) window appears (if the printer security function is enabled).



13) Input the PIN Code(Device PIN)

and click "Next". (Default code: 0000)

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Ente	r Devi	ice E	Blue	eto	oth	PI	N				0
Enter with : enter	Enter a Bluetooth PIN of your choice to bond with SPP-R200. The same PIN must be entered on both devices.										
Please check your device's instruction manual to learn how to answer to PIN requests.											
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14) If after pressing the "Print Test Page" button, the BT LED of the printer turns on and test printing is performed, the connection is complete.

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	Printer is enable	d on COM6	
	Print Te	est Page	
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#### 4-2 Connecting with a SYMBOL PDA (Device: SYMBOL MC70, OS: Windows Mobile 5.0)





2) Click "Enable Bluetooth".



#### 3) Click the 🛛 🚯 icon.



#### 4) Click "Show BTExplorer"".



5) Click "File".

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7) Click "Associate Serial Port".



6) Click "New Connection".

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8) Click the "Next" button.



10) Click "Refresh".

 Click the List window for 2 seconds and the function folder appears.



11) Bluetooth devices in the proximity are discovered.

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Pieas Sear	se wait ching for B	Bluetooth	Cano devices.	el
•	Back	🗙 Canc	el Next	• 🔤 •

12) Select the Device Address of the printer, and click the "Next" button.



13) The Serial port is registered as COM9.

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<b>5</b>	Associate Seri	ial Port				
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Device Ad	dress : 0006	6E135228				
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<b>⊢</b> ✔ Save	As Favorite					
Favorite f	Name : SPP-F	R200:COM9:				
Click 'Next' to save this connection as a Favorite. You can also rename the Favorite by clicking on 'Favorite Name'.						
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15) Click "Connect".

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Select a l	Favorite	or 'File->	New Conr	ection'.	
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14) Click the printer name for 2 seconds.

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16) The PIN Code window appears (if the printer security function is enabled).

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Ple	ase enter	PIN Code	_
Device Addres	s: 00066	E135228	
Device Nam	e: SPP-R	200	
PIN Code :			
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17) Input the PIN Code and click "Enter".(Default PIN Code: 0000)

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Devi	ce Name	: SPP-R	200	
PIN Co	de 💌	**		
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18) The "Connection Successful" message appears, and the connection is complete when the BT LED of the printer turns on.

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👼 SPP-R200:COM9:	00066E135228
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Connection Successful	
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### 4-3 Connecting with an HP PDA (Device: iPAQ hx2700, OS: Windows Mobile 5.1.1702)

- 1) To run Bluetooth, first click the
  - icon at the lower right of the screen.
- 2) Click the Bluetooth logo button to activate the Bluetooth function.



 When activated, the Bluetooth button turns green. Click the "Manager" button to connect to the printer. 4) Click "New".



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8	<b>Bluet</b> My Sho	ooth ortcuts			
My Sh	ortcuts	Active	Connectio	ons	
	New			Menu	

5) Click "Explore a Bluetooth device".

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8	Bluetooth Connection Wizard	
A	Join a personal network Connect two or more Bluetooth devices to share files, collaborate or play multiplayer games.	•
<b>1</b>	Exchange business cards Send, retrieve or exchange business cards with one or more Bluetooth enabled devices.	
Þ	Explore a Bluetooth device Discover the services another device offers and create connection shortcuts for them.	=
8	Connect to a keyboard Use a Bluetooth keyboard with this	-
<b>0</b> 0	ancel 🛛 Next 💠	

7) Select BIXOLON-SPP and click "Next".

🏄 Connection Wiz 👘 🗮 📢 4:44								
Bluetooth Connection Wizard Explore a Bluetooth device								
湊 SPP-R200								
- Service Selection								
SIXOLON-SPP								
Please select the service(s) offered by this device you would like to create connection shortcuts for.								
Security Use a secure, encrypted connection								
©Cancel ∲Back Next	\$							

 Click the printer icon from the Bluetooth devices displayed in the search results.

🏄 Connect	tion Wiz	- # <b>*</b> •	(€ 4:40						
Bluetooth Connection Wizard Explore a Bluetooth device									
SPP-R200									
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Refresh			View						

8) Click "Done".



9) The printer shortcut is produced.

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SPP-R200: BIXOLON-SPP		
My Shortcuts	Active Connect	tions
New		Menu

11) The Pass Key window appears (if the printer security function is enabled).

🏄 Bluetooth Passi 🛛 📰 📢 4:42 🛛 o	k
Authentication	
Device: SPP-R200	
Passkey:	
Cancel	
— How to use this screen ————	_
The Bluetooth pairing procedure	
establishes a secret key that is used in	
all future connections to authenticate	_
123 1 2 3 4 5 6 7 8 9 0 - =	ļ
Tab q w e r t y u i o p [	Ц
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10) Clicking the shortcut for 2 seconds brings up the function folder. Click "Connect".

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	)						
SPP-R2 BIXOLON	Connect						
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My Short	cuts Active Cor	nnections					
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12) Input the Pass Key and click "Enter" (Default Pass Key: 0000)

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Ctl á	ü	•	Ń	Γ.	_			Ť	ŧ	† İ	÷	<b>→</b>
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13) The shortcut changes to show a green indicator asShown below. The connection is complete when theBT LED of the printer turns on.

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Bluet My Sho	<b>ooth</b> ortcuts	
SPP-R200: BIXOLON-SPP		
My Shortcuts	Active Connections	
New		Menu

## 4-4 Connecting with a Mobile Compia PDA (Device: M3, OS: WinCE 5.0)

1) Click the 1 icon.



2) Click "BT On".



3) Click the icon.



4) Click "BT Manager".



5) Click "Find All Devices".

BT 관	리자	×
8	<b>내 분루투스 즐겨찾기</b> 내 분루투스 즐겨찾기 목록 보 기.	
	<b>모든 장치 찾기</b> 모든 블루투스 장치 찾기, 선택 한 장치로 연결,	
٩	ActiveSync 접속 블루투스 접속 가능 컴퓨터 찾기. 선택한 컴퓨터로 연결.	
	<b>파일 전송</b> 파일 전송 서버 찾기, 선택한 서 버로 연결,	
<u>∎≕</u> ≹7 В1	명함 교환 명화 소스자 이 도한 가마 한이 『관리자 😏 👂 💽 F 🔄 🚔	

7) Click "Refresh".



6) Click the "Next" button.



 Click the printer from the Bluetooth devices in the search list, and click "Next".



9) Select BIXOLON-SPP and click "Next".



11) Click "My favorite device".



10) Click "Connect"



12) Clicking the shortcut for 2 seconds brings up the function folder. Click "Connect".



13) Click "Connect"



15) Input the Pass Key and click "Enter" (Default Pass Key: 0000)

블루투스 탐색기 🛛 🗰 🗙
Atinav
피스 키를 입력하세요 🛛 🔀
<b>월루투스 민증</b> 원격장치에 인증절차가 활성화 되어있습 빛다정속하시려면 올바른 패스 키를 입
국어제표, 장치 이름 : SPP-R200
<u>확인</u> <u>취소</u>
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14) The Pass Key window appears (if the.

printer security function is enabled).

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🌠 불루투스 인증	
원격장치에 인증절차가 활성화 되어있습 니다. 접속하시려면 올바른 패스 키를 입 력하세요.	ļ
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16) The "Connection Established" message appears, and the connection is complete when the BT LED of the printer turns on.



17) The connection is complete when the shortcut

changes to show a green indicator as shown below



### 4-5 Connecting with an InnoTeletek PDA (Device: MC3000, OS: WinCE 4.2)

File Zoom Tools Help File Zoom Tools Help File 홈페이 File File And File File A

1) Click the "sppui" icon.

2) Click the 塩 icon.



3) Click the "Inquiry" button.

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4) Select printer and click "OK" button.



 The PIN Code window(Select channel) appears (if the printer security function is enabled).

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7) The Serial port is registered as COM7.

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v.0.0	.5				AVE	
110						
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6) Input the PIN Code and click "Enter".(Default: 0000)

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VU1509089851	>::	Dere	egister		
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No bonding	No bonding				
v.0.0.5			AVE		
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8) Click the "My Computer" icon.

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Internet Explorer		DWS ded
Microsoft WordPad		
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9) Click "Storage".



10) Click "BTPrinter".



12) The "Port Opened" Status message appears, and the connection is complete when the BT LED of the printer turns on. Click the "TEXT" button.



11) Click "InnoPrinter".



 Enter text to be printed in the Text window and click the "Print" button. The text is printed by the Printer.

<u>File Z</u> oom <u>T</u> o	ols <u>H</u> elp
파일(E) 편집(E	E) 보기(⊻) 문 ×
InnoPrinter	OK 🗙
1	InnoTeletek, Inc Bluetooth Printer
Text Print	
산업용 PDA M( (주)이노텔리텍 2005.02.	23000
	Print
Card Read	]
🎝 🗌 🕯	B 🦫 🔢 오후 1:02 🖷

## 4-6 Connecting with a Widefly PDA (Device: WF35, OS: WinCE 5.0)

1) Click the 🎥 icon then "Settings".



3) Click "Bluetooth Device Properties".



2) Click "Control Panel".



 Click Bluetooth button. (select ON if Bluetooth is turned on automatically for every boot up of PDA.)



5) Click "Search" page then "Search" button.

Bluetooth M		ок 🗙	
Main Paireo	Search	Settings	∫sel►
Any service			<b>•</b>
Name: Address: Service:			
Search		Add Se	rvice
🎥 🚷 Blu	• \$ @	41% 2:5	5 PM 🚇

 printer is searched with "Serial Port". service listed. Click "Add service".

Bluetooth Manage	ок 🗙
Main Paired Search	h Settings S 💶 🕨
Any service	•
SPP-R200	
Name: SPP-R Address: 00:06 Service: Serial	200 :6e:15:0c:ad Port
Search	Add service
🎥 🚷 Blu 🔹 🕸 🏟	🗍 39% 2:57 PM 🛄

6) Enter PIN code (default "0000") and Click "OK".

Blu	Au	ith	ent	ica	tior	n Re	equ	ies	t	>	< k	Ī
M.	SF	P-F	20	D							ŀ	
P	E	nte	r PI	N:	Γ	_	_	_	_	_	-	
			C	)K			(	Can	cel			
	Varr Vddr	ie: ress	5:									
Eng	glisl	h									×	
@	1	2	3	4	5	6	7	8	9	0	t	
q	W		e	r	t	У	L		i	0	р	
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Û	<u>۱</u>	z	х	С	N N		0	n	m	:	1	
En	1	Ħ	1*3	6					4		1	
an.					x 0	<u>a</u> a	)				Let-	

8) Enter PIN code (default "0000") and Click "OK".

Bluet	ooth Ma	anage	er		(	ж	×
Main	Paired	Searc	:h s	ettin	gs ( :	s	Þ
Any	Blueto	oth			×	Ŀ	•
٢.	Serial P	ort				Г	
	Pass Ke	y 🗌				L	
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@ 1	23	4 5	6 7	8	9	0	+
d M	/ e r	t	У	u	i		р <sub>1</sub>
Caps	a s c	1 f	gl	n j	k		+
仓	Z X	C V	b	n	m	:	1
En	拼 1*\$						1
<i>a</i>	Blu	• \$ 9	0 🗍 39	9% 2	::58 F	эм	Ēn

9) Press "OK" to activate "Serial Port" service.

Bluetooth Manager OK ×
Main Paired Search Settings S
Any service
SPP-R200
Active OK ×
Name Activate the service? Addre Servic
Serial Port
Search Add service
🎥 🔇 Blu 🔹 🏟 🗍 39% 2:58 PM 🛄

11) printer is paired with WF35 and

virtual local COM port is activated.

Bluetooth Ma	anager		OK ×
Main Paired	Search	Settings	S∈▲►
Any service			-
SPP-R200	)		
Name: Address: Service:	SPP-R20 00:06:6 Serial Po	)0 e:15:0c:ac xrt	ł
💱 Serial Por	t(COM6)		
Search	l.	Add ser	vice
🎥 🚷 Blu	• 🛊 🏟 🕻	39% 2:59	) PM 🚇

10) Select virtual local COM port for applications and click "OK". (e.g. COM port 6).

Bluetooth Manager	OK ×
Main Paired Search Settings	∫sel⊅
Any service	-
SPP-R200	
Select COM OK	×
Ni COM6 ▼ Ac COM6 Se COM7 Mag Ser COM8 COM9	
Search Add ser	vice
🥂 🔇 Blu 🔹 🖗 🗍 39% 2:58	3 PM 🚇

#### 4-7 Connecting with Bluetooth Dongle (BlueSoleil IVT Stack)

- 1) After purchasing Bluetooth Dongle, insert the CD in the PC and install Bluesoleil.
- 2) Connect Bluetooth Dongle to the USB port of the PC.
- 3) Click the Bluesoleil icon on the PC screen top.
- 4) Click the red sphere at the center of the Bluesoleil main screen.



5) The program initiates a search for Bluetooth devices in the proximity.



6) Click right button of the mouse above the "IFX-BT Icon" and select the "Pair Device".



- 7) Enter the PIN Code in the Bluetooth Passkey window.
  - (Default Passkey: 0000)

8 IVT Corp	oration BlueSoleil - Main Window	
Eile View	My Bluetooth My Services Tools Help My Bluetooth My Services Tools Help My Bluetooth Passkey A remote device needs a Bluetooth Passkey to create Paired relationship for future connections, Please use the same passkey on this device and on the remote device: Remote Device: SPP-R200 Address 00:06:6E:11:86:29 Passkey: Time Left: 25 s	Cancel
Ready	Browsing service(s)	PAN IP: 192,168,50,1

8) If the Passkey(PIN Code) is correct and pairing is completed, a red check symbol appears next to the printer icon.



 Click right button of the mouse above the "printer Icon" and select the "Connect > Bluetooth Serial Port Service".



10) When the connection is established, the icon turns green, and a green dotted line appears as shown in the image below.



- 11) The connection is complete when the BT LED of the printer turns on.
- 12) When the connection is complete, the message pictured below appears at the bottom right of the PC screen.

The COM port number shown in the message indicates the COM port via which the printer and the PC are connected.

\* My Bluetooth COM Port 4 (COM4) is connected to remote device,

#### 4-8 Connecting with Bluetooth Dongle (Widcomm Stack)

- 1) After purchasing Bluetooth Dongle, insert the CD in the PC and install Bluesoleil.
- 2) Connect Bluetooth Dongle to the USB port of the PC.
- 3) Click the My Bluetooth Places icon on the PC screen top.
- 4) Click "Bluetooth Tasks > Add a Bluetooth services"



5) Click "Next".



6) Select "Show all devices" and Click "Next".

Select a device	<b></b>	
Remote devices must be in D For assistance in making a rer	iscoverable mode for this computer to find them.	E
device's documentation.	3	30 - 50
9		
Search Again	Show all devices	~
Search Again	Show all devices	~
Search Again	Show all devices	~
Search Again If the device you are looking for is operational. On some devices, you discoverable.	Show all devices not in the list, verify that the device has power and is a must press the Connect button to make the device	~
<u>Search Again</u> If the device you are looking for is operational. On some devices, you discoverable.	Show all devices not in the list, verify that the device has power and is a must press the Connect button to make the device	~

7) The program initiates a search for Bluetooth devices in the proximity.

Remote devices must be in Discover For assistance in making a remote de device's documentation.	rable mode for this computer to find them. evice discoverable, refer to the remote
device's documentation.	
SPP-R200	
SPP-R200	
SPP-R200	
Search Again	Show all devices
If the device you are looking for is not in I	the list, verify that the device has power and is
operational. Un some devices, you must j discoverable	press the Connect button to make the device

8) Enter the PIN Code in the Bluetooth Passkey window.

(Default Passkey: 0000)

Paired device for each pair ( devices exch	ng is exchange a secret of devices; it is used t ange.	key each time they conn o verify identity and to en	nect. This key is unique ncrypt the data that the
To pair with the security code.	selected device you r	nust know that device's	More Info
Pair Mau			
F dil NUW	u code and then click	: Pair Now.	
Enter the securit Bluetooth securit	ty code		Pair Now

9) If the Passkey(PIN Code) is correct and pairing is completed, a green check symbol appears next to the BIXOLON\_SPP icon. Click "Configure"

elect the ser The followin	<b>vices you are in</b> g services are avai	terested in lable through	the selected	Bluetooth Dev	vice. [
Select the si service).	ervice that you war	nt to access o	on the selecte	ed device. (Cor	nnect to this
🜌 💸 - BIX	OLON-SPP				
Est	ablish a virtual seria	al port conne	ction with a r	emote	-
Blue app	etooth device. The dication that suppo	connection o rts the COM	an then be u port number	ised by any assigned.	Configure
Blue app	etooth device. The Ilication that suppo	connection c rts the COM	an then be u port number	ised by any assigned.	Configure
Blue app	atooth device. The vlication that suppo	connection o rts the COM	an then be u port number	ised by any assigned.	
Blue app	etooth device. The nlication that suppo	connection c rts the COM	an then be u port number	ised by any assigned.	Configure
Blue app <u>R</u> efresh	etooth device. The nication that suppo	connection c	an then be u port number	sed by any assigned.	Configure

#### 11) Check COM Port

Bluetooth Properties	
General	
SPP-R200 BIXOLON-SPP	
Secure Connection	
COM Port: COM5	
OK Cancel	Apply

12) Click "Next"

The fo	e services you are interested in. Illowing services are available through the selected Bluetooth Device.
Select servic	the service that you want to access on the selected device. (Connect to this e).
	BIXOLON-SPP
	Bluetooth device. The connection can then be used by any Configure application that supports the COM port number assigned.

#### 13) Click "Finish".



14) The shortcut changes to show a green indicator asshown below.

The connection is complete when the BT LED of the printer turns on.

