# STEP-5e

# **User Manual**





If you need further assistance, use one of the following options:

Driver: http://www.pioneerposftp.com

Email: support@pioneersolution.com Call: +1 (909) 468-9757, option 2

# **REVISION RECORDS**

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# **Important Safety Instructions**

#### 1. Safety warning

Warnings: The print head will become very hot during printing; avoid touching the print head after printing has finished.

Warnings: Do not touch the printer head and connector in case static damage the printer head.

This must be complied with in order to avoid any injury and damage to the equipment.

 $\Delta$  This is showing the important information and tips for the printer operating.

#### **2. Instructions**

Carefully read the installation and operating instructions provided with the printer before starting up your printer.

- 1) Place the printer on a flat and stable surface.
- 2) Leave enough space around printer for operation and maintenance.
- 3) Do not insert anything into the ventilation slots or openings on the printer.
- 4) Do not place the printer on or near a heat source.
- 5) Do not use the printer near water. Never spill liquid into the printer.
- 6) Do not expose the printer to high temperatures, direct sunlight or dust.
- 7) Protect the printer from shock, impact and vibration.
- 8) Be certain the power source is within the voltage rating and frequency listed for the printer.
- 9) Switch off the printer power supply when won't use it for a long time.
- 10) Do not place the power cord where it can be stepped on. If the power cord becomes damaged or frayed, replace it immediately.
- 11) To ensure the print quality and reliability, you are suggested to use the recommended paper or the same quality paper.
- 12) Pls switch off the power supply when connect/disconnect all the ports or it will cause damage to the printer control circuit.
- 13) Never carry out maintenance or repair work yourself. Always contact a qualified service technician.
- 14) Keep this User Manual in a place which is easily accessible at all times.

# **1. OVERVIEW**

#### **1.1 Introductions**

STEP-5e is a thermal receipt printer with auto-cutter, featured by high print quality, high print speed, high stability, etc. It can be used in commercial POS system, food industry and occasions which need real-time field print receipts.

STEP-5e can connect with other equipment through parallel, serial, USB, and Ethernet Wi-Fi interfaces. And the printer drivers are available for the WINDOWS 7, WINDOWS 8, Linux operating system.

#### **1.2 The Main Features**

- 1) Patent design of unique vertical double auto cutter
- 2) Low noise
- 3) High print speed
- 4) Easy paper loading
- 5) Support page mode printing
- 6) Compatible with various width paper
- 7) Cash drawer interface
- 8) Communication interfaces optional

# **2. GETTING STARTED**

## 2.1 Packing List

After receiving your printer, please check for possible shipping damage:

1. Inspect the outside of both the box and the printer for possible damage.

2. Check whether you have received the following accessories together with the printer, if there is any items that's missing, please contact your local dealer.

#### ■ Standard Accessories:







Power Cord



Quick Start Guide

Printer

Power Adapter



*Note:* The power cord and power adapter may vary by region.

# 2.2 Appearance and Components 2.2.1 STEP-5e



#### **Introduction to printer features**

1) Power switch

Press "0" to turn off power and press "1" to turn on power supply.

2) Feed Button

Feed paper: When it's not in the alarm status, push the button to feed paper. Push the button continuously to feed the long distance.

Power LED
 It indicates the power status.

#### 4) Paper LED

It detects the status of paper, such as paper near end and paper end. See more details in"3.2 Specification of Indicated light and beeper".

#### 5) Error LED

If there is abnormal phenomenon and error LED flashing, it means the printer is in the wrong status. Please turn off the power immediately.

6) Paper guide

In paper storehouse, paper guide can change the position to adapt to different paper width.

# **3 Specification** 3.1 Printer Specification

#### Table2-1 General Specification

Moo	del	STEP-5e				
	Print method	Direct thermal line printing				
	Resolution	203dpi, 8dots/mm				
Printing	Printing width	48mm/72mm				
Parameter	Print speed	200 ~ 300mm/s				
	Interface	Serial, Ethernet, USB, Cash drawer, Bluetooth, Wi-Fi				
	Print density	Adjustable from level 1 to	level 4			
Page Mode		support				
N	RAM	1Mb				
Memory	Flash	4Mb				
	Chinese	GB18030 24×24 (Simplified	ed/Traditional Chinese)			
	Alphanumeric	ASC Ⅲ 9×17,12×24.				
	User-defined	Support				
Fonts	Code page	Optional international character sets : ([PC437 (USA: Standard Europe)]、 [ISO8859-15 (Latin9)]、 [Katakana]、 [WPC1250]、 [PC850 (Multilingual)] 、 [WPC1251(Cyrillic)] 、 [PC860 (Portuguese)] 、 [WPC1253] 、 [PC863 (Canadian-French)] 、 [WPC1254] 、 [PC865 (Nordic)] 、 [WPC1255] 、 [PC857(Turkish)] 、 [WPC1256] 、 [PC737 (Greek)] 、 [WPC1257] 、 [ISO8859-7 (Greek)] 、 [WPC1258]、 [WPC1252]、 MIK[Cyrillic /Bulgarian]、 [PC866 (Cyrillic #2)]、 CP755 [EastEurope]、 [Latvian 2]、 [PC852 (Latin 2)]、 [Iran]、 [PC858 (Euro)]、 [Iran II]、 [KU42]、 [Latvian]、 [TIS11 (Thai)]、 ISO-8859-1 [West Europe]、 [TIS18 (Thai)]、 ISO-8859-3[Latin3]、 [PC720]]、 ISO-8859-4[Baltic]、 [WPC775]、 ISO-8859-5[Cyrillic]、 [PC855 (Cyrillic)]、 ISO-8859-6[Arabic]、 [PC862 (Hebrew)]、 ISO-8859-8[Hebrew]、 [PC864 (Arabic)]、 [ISO-8859-9[Turkish]、 ISO-8859-2 (Latin2)] = [PC856] = [A DICOMDI)				
Graphics		Support varied density bitmap as and download bitmap printing Max size of each bitmap is 40K, the total size of bitmap is 256k				
Barcode	1D	UPC-A、UPC-E、EAN8、EAN13、CODE39、ITF、CODEBAR、 CODE128、CODE93				
	2D	PDF417、QR code				
Detect Function	Sensors	Take paper cutter jam and cover open sensors				

				(2/2)			
Model		STEP-5e					
	Power LED	Blue LED					
	Paper LED	Blue LED					
LED Indicator	Error LED	Red LED					
	Status LED	Multicolor LED					
		External power adapter					
Power Supply	Input	AC100V-240V 50-60HZ	AC100V-240V 50-60HZ				
	Output	24V = = = 2A					
	Paper type	Specified Thermal Paper					
	Paper width	$58^{+0}_{-1}$ mm/ $80^{+0}_{-1}$ mm					
	Paper thickness	0.065~0.090mm					
Paper	Roll paper diameter	Max. OD ф83mm					
	Paper load	Forward cover open and Easy paper loading					
	Paper cut	Manual tear or Auto-cutte	er				
Command		ESC/POS					
	Operating condition	$0^{\circ}$ C ~ $40^{\circ}$ C , 20% ~ 85%RH					
Physical Spec.	Storage condition	-20°C ~ 70°C , 5% ~ 95% RH					
Thysical Spee.	Dimensions L*W*H	190*127*126mm					
	Weight	1.63kg					
	TPH lifetime	150km					
Reliability	Cutter lifetime	2,000,000 cuts					
	MTBF	360, 000 hours					
Driver		Windows (Win7/Win8)					

Table2-1	<b>General Specification</b>	(Continued)	1
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#### **3.2 Media Specification 3.2.1 Continuous Thermal Paper Specification**

Paper Type	: Specified Thermal Paper
Paper Width	$: 58^{+0}_{-1} \text{ mm} / 80^{+0}_{-1} \text{ mm}$
Paper Outer Diameter	: Max. 83 mm.
Roll Paper Core	: 13mm(Internal Diameter)
	: 18mm(Outer Diameter)
Paper Thickness	: $0.065 \sim 0.090$ mm

Paper Type	Manufacturer
FD210,PD150R,PD160R	OJI Paper CO.,LTD.



- Use only the recommended thermal paper or same level of quality paper, otherwise it will affect print quality and reduce thermal printer head life.
- If the thermal paper is polluted by chemical or oil, the thermal paper heat sensibility decreases, which will influence the print quality;
- Don't use finger nail or hard foreign object to touch the surface of thermal paper, otherwise it will cause color fading;
- Store paper roll in room temperature less than 70°C to prevent degradation.

#### **3.3 Printing and Cutting Position 3.3.1 Printing Position**



# **3.3.2 Cutting Position**



Туре	Paper Cutting Position(L1)		
STEP-5e	14.5mm		

# 4 Installation and Usage

# 4.1 Unpacking

Upon receipt of the package, check if any items are missing or damaged according to the packing list, if so, contact the local dealer or manufacturer.

## **4.2Installation Site and Direction of Printer**

- 1) It's recommend printer is installed at a level table surface. Wallmount not recommended.
- 2) The printer should install at a flat and steady place. It's recommend that install the printer at horizontal line. The angle of inclination should not exceed  $\pm 10^{\circ}$ (paper feed direction) if tilt install printer, it does not allow to tilt by other direction.
- 3) Keep printer away from source of water
- 4) Avoid the printer on place where it is vibration and shock
- 5) Ensure printer ground connect is safe
- 6) When the printer is at operation and maintenance, it is recommended to retain the enough space to ensure the printer can work in reliability and ease of operation.

## **4.3 Power Adapter Connection**

- 1) Make sure the printer's power switch is turned off;
- 2) Put the cable plug of power adapter facing up at flat side, insert the rear of the printer power connector;
- 3) Turn the power adapter input power;
- 4) Pay attention about disconnecting or connect the AC adapter at right method, or likely to cause damage.



The plug of power adapter is designed in a switch type, when accessing power adapter and uttered the voice "click", it means the connected socket switch is locked the adapter connect well, otherwise please connect again.

When pulling out the adapter, please pinch the shell of power adapter and pull the switch up, when the switch is fully opened then pull out the power adapter.

Don't put forth your strength to pull the plug by squeeze at any of place of power adapter. Because, it is more difficult to pull it out and may damage the cable.





► Use only the power adapter recommended by supplier or equivalent products;

► When disconnecting the AC adapter plug, hold on to the housing part of the plug. Avoid pulling on the cable.

► Avoid drag the power adapter cable to prevent damage on the cables

► Avoid putting power adapter around a heating device

► When printer is not in used for long period of time, disconnect the power supply of printer power adapter.

#### **4.4 Interface Cable Connection**

1) Make sure the printer's power switch is turned off;

2) Put the interface cable into the matched interface and fixed with screws (or spring) on the plug;

3) Connect the other end of the interface cable to the host.

#### **4.5 Cash Drawer Connection**

1) Make sure the printer's power switch is turned off;

2) Connect the cash drawer cable into the cash drawer interface on the rear side of the printer.

**Warning:** Cash drawer interface can only be connected to a voltage of 24V cash drawer device (can't connect to the phone line or 12V drawer, etc.)

#### 4.6 Media Loading

Confirm the type of paper used by the printer before printing. The default paper type can be used should be thermal paper. Install paper guide as needed based on print width requirement.

#### **4.6.1 Paper Confirmation**

Method:

- 1) Put the finger into the hole in the paper guide, then lift the paper guide.
- 2) Install paper guide based on required print width.



## 4.6.2 Procedure of Loading

- 1) Turn off printer.
- 2) Pressing the open button, open front cover of STEP-5e.





3) Put the paper into printer. Pay attention to the direction of the paper. (figure 4.6.2)



Figure 4.6.2



4) Close the front cover of STEP-5e. (Like figure 4.6.3)



5) Tear the redundant paper. (figure 4.6.4)



Figure 4.6.4



► Install paper guide according to required print out width.

#### 4.7 Specification of LED Indication and Beeper 4.7.1 Specification of LED Indication

Name	Status	Specification
POWER LED	ON	The printer work well
(Blue)	OFF	The printer powers off.
ERROR LED	Flashing	The printer in an error state
( Red )	OFF	The printer in a normal state
PAPER LED ( STEP-5e Blue )	Flashing	The printer in paper end state
(2121 00 2100)	OFF	The printer in a normal state
STATUS LED	Flash	The printer in an error state
STATUS LED	ON	The printer in a normal state

#### **4.7.2 Beeper**

FEED	Description	POWE R LED	ERRO R LED	PAPE R LED	Beeper
$\Theta$	Cover Open	ON	ON	ON	"Beep, Beep, Beep"
	Full of paper	ON	OFF	OFF	Silent
	No Paper	ON	ON	ON	"Beep Beep Beep".
	Paper Near End	ON	OFF	ON	Silent
	Cutter Jam	ON	Flash	OFF	"Beep—, Beep—"

#### 4.7.3 Multi-color Status LED

STATUS LED	STATUS LED	Specification
(multicolor)	White	Printer power on
	Blue	Printer is ready and in idle condition
	Red	Wrong status(out of paper, cover open, and so on)
	Red	Paper near end and printer is in normal
STEP-5e	Blue	Printer is busy.



The printer use a thermistor to detect the temperature of the print head. If the temperature of print head is more than  $65^{\circ}$  C, printer will send a warning. If the temperature of print head is more than  $80^{\circ}$  C, printer will stop working until the temperature is in the normal range.

# 4.8 Setting DIP switch

## 4.8.1 Serial interface (RS-232C)

#### **DIP Switch 1**

Switches	Functions	ON	OFF	Default
1-1	Auto line feed	Enable	Disable	OFF
1-2	Handshake	XON/XOFF	DTR/DSR	OFF
1-3	Bit length	7 bits	8 bits	OFF
1-4	Parity check	Yes	No	OFF
1-5	Parity selection	EVEN	ODD	OFF
1-6				OFF
1-7	Baud rate selection ( bps )	Reference	form 1-1	ON
1-8				OFF

#### **DIP Switch 2**

Switches	Functions	ON	OFF	Default
2-1	Chinese/English mode	English	Chinese	ON
2-2	Internal beeper control	Disable	Enable	OFF
2-3	Auto cutter	Disable	Enable	OFF
2-4	Busy conditions	Receive buffer full	Printer off-line Receive buffer full	OFF
2-5				OFF
2-6	Printer density	Reference	e form 1-2	OFF
2-7				OFF
2-8	Print Width (dots)	512	576	OFF

# **4.8.2 Interfaces of parallel, USB, Bluetooth and Ethernet** DIP Switch 1

Switches	Function	ON	OFF	Default
1-1	Auto line feed	Enable	Disable	OFF
1-2 ~ 1-8	Reserved	-	-	OFF

#### **DIP Switch 2**

Switches	Functions	ON	OFF	Default
2-1	Chinese/English mode	English	Chinese	ON
2-2	Internal beeper control	Disable	Enable	OFF
2-3	Auto cutter	Disable	Enable	OFF
2-4	Busy conditions	Receive buffer full	Printer off-line Receive buffer full	OFF
2-5				OFF
2-6	Printer density	Reference form 1-2		OFF
2-7				OFF
2-8	Print Width (dots)	512	576	OFF

Form 1-1—Baud Rate Selection

Baud rate	1-6	1-7	1-8	Default
2400	ON	OFF	OFF	
4800	ON	OFF	ON	
9600	OFF	ON	OFF	
19200	OFF	OFF	OFF	9600
38400	OFF	ON	ON	
57600	OFF	OFF	ON	
115200	ON	ON	ON	

Form 1-2—Print Density Selection

2-5	2-6	2-7	Printer density	Default
ON	ON	Reserve	1 ( diluted )	
OFF	OFF	Reserve	2	2
ON	OFF	Reserve	3	Z
OFF	ON	Reserve	4 ( dense )	

#### 4.8.3 Auto Cutter Enable/Disable Selection

DIP Switch setting 2		
Switch2-3	ON	Auto cutter disable
	OFF	Auto cutter enable
Application program	Ignore auto cutter error for continuous printing	

#### **4.9 Print Self Testing**

- 1) Make sure the printer has been installed roll paper and turn off the top cover.
- 2) Make sure the printer has linked power.
- 3) Make sure the printer power off.
- 4) Press and hold FEED button, then turn on power switch, the printer will print out self-test page.

# 4.10 Print Test

#### **4.10.1 Print Self-Test**

The self-test checks the printer's current settings, status and whether the printer has any problem.

- 1. Make sure the power switch is on.
- 2. Pressing the [Feed] button until the green LED indicator flash once. The printer is ready to receive data as soon as it completes the self-test.

#### 4.10.2 Printing of Windows Driver Program

- 1. Install the Windows Driver program. (Please refer to the Windows Driver Manual)
- 2. Please set the "Interface" as the type you use.
- 3. Use the Windows Driver Program to print out the "Self-test page".

#### 4.11 Bluetooth

Take STEP-5e for example.

PDA with Bluetooth interface, laptop and other information terminals can drive the mobile thermal

printer STEP-5e. Instructions as follows:

- 1) Power on the printer.
- 2) Primary device search for outer Bluetooth devices.
- 3) If there are some outer Bluetooth devices, choose "STEP-5e".
- 4) Connected to STEP-5e.
- 5) Finish pairing.

Notes:

In pairing, the printer must be turned on.

When pairing, do not set many printers on, otherwise it will not be able to figure out which one succeeds in pairing.

Printer can only connect to one primary device each time. After successful pairing, printer can't be connected with other primary device. If it needs to be connected to other device, it should be disconnected from current device.

# **5** Interfaces Signal

Printer supports cash drawer interface and many other various communication interfaces, such as serial interface, parallel interface, USB interface, Ethernet interface, Bluetooth interface, Wi-Fi interface. The printer has the communication board with the default USB interface and cash drawer interface, and the other communication boards with the Ethernet interface, parallel interface, RS232 interface are optional.

## 5.1 USB



Figure 5-1

PIN NO.	Signal Name
1	VBUS
2	D-
3	D+
4	GND

#### 5.2 Cash Drawer



Figure 5-2

PIN NO.	Signal Name
1	FG
2	Drawer 1
3	DRSW
4	VDR
5	Drawer 2
6	GND

Electrical characteristics

- Driving voltage : DC 24 V
- Driving current : maximum 0.8 A ( In 510 ms)
- Drawer check signal : "L" =  $0 \sim 0.5 \text{ V}$  "H" =  $3 \sim 5 \text{ V}$

## **5.3 Power Port Definition**



Figure 5-3

PIN NO.	Signal Name
1	+24V
2	GND
3	N.C
SHELL	F.G

 $\triangle$  Note :

- Strictly prohibit unplug the cable while the printer is power on.  $\geq$
- $\triangleright$ When arranging the line of communication, you have to avoid paralleling with the strong current.
- You have to use the shielded communication line.  $\geq$

# **5.4 Other Optional Interface**

#### **Serial Interface**

Serial interface is compatible with RS-232 standard, with 9 pin socket.



Figure 5-4-1a

PIN Out	Signal Name
1	-
2	TXD
3	RXD
4	-
5	GND
6	RTS
7	CTS
8	RTS
9	-

Printer serial interface are compatible with RS 232 standard, with 25pin socket.

User can gain the setting of interface via printing configuration sample; the default setting of serial interface is as follow, 9600bps(baud rates), 8 bit(data bit), 1 bit(stop bit), no parity, support RTS/CTS handshaking protocol.



Figure 5-4-1b

PIN No.	Signal Definition
PIN1	Frame Ground
PIN2	TXD
PIN 3	RXD
PIN 4	RTS
PIN 5	Unconnected
PIN 6	DSR
PIN 7	GND
PIN 8~19	Unconnected
PIN 20	DTR
PIN 21~25	Unconnected

# **Ethernet Interface**



PIN NO.	Signal Name
1	TX+
2	TX-
3	RX+
4	-
5	-
6	RX+
7	-
8	-

# **6** Troubleshooting

This chapter provides information on some common problems user may encounter and how to solve them. If user runs into that is not listed here, please contact support team for further assistance.

#### 6.1 Printer Not Working

Problem description	Probable reason	Solution
LED not light, printer not working	Printer No power	Connecting the power supply
	Printer not on	Turn on the printer
	Circuit board broken	Contact with the dealer

# 6.2 LED Indicator On The Control Panel and Beeper Alarm

Problem description	Probable reason	Solution
Paper LED always on	Paper near end	The roll paper is near end. Install new paper roll.
Error LED always on and beeper alarms	Printer Cover open	Close the printer cover
Paper Error LED always on and beeper alarms	Paper end	Reload the roll paper
	Thermal print head overheated	Turn the printer off and resume when it cools
Error LED blinks and beeper alarms	overvoltage	Print with specified voltage
	Low-voltage	Print with specified voltage

## **6.3 Troubles Occur During Printing**

8 8		
Problem description	Probable reason	Solution
Colored stripe in the paper	Paper near end	Reinstall the roll paper
Blurred printing or spot	Incorrect roll paper installation	Check if the roll paper is installed
	Unqualified roll paper	Use recommended thermal roll paper
	Dirty thermal head or print roller	Clean the thermal head or print roller
	Low print density	Increase the print density level
Paper Jam	Dopor strike	Open the printer cover, check the paper
	i aper strike	path and remove jammed paper
Vertical print words missing	Dirty thermal head or print roller	Clean the thermal head or print roller
	Thermal head damaged	Contact your dealer for assistance

# 6.<u>4 Problems Emerge During the Paper Cutting Processes</u>

Problem description	Probable reason	Resolution
	Cutter abrasion, insufficient cutting	replace the cutter
Cutter jam, the movable	Worm gear and worm wheel abrasion	Replace the worm gear and worm wheel
cutter cannot back	Motor burnt	Replace the motor
	Paper scraps	Clean the paper scraps on the transmission system
Insufficient cutting	Cutter edge abrasion, paper too thick	Replace the cutter
	Thermal printer head over heat	Reduce the density of printing
	Driving too fast	Reduce the printer speed to the limit of thermal printer head
Paper jam	Wrong paper feeding position	Put the paper parallel with the paper mount and insert into the space between platen roller and the thermal printer head

## 6.5 Remove Jammed Paper

Warning: Do not touch the thermal print head because it becomes very hot after printing.

If the cover can be opened, operate it according to the next steps.

- 1) Turn off the printer and press open cover button.
- 2) Remove jammed paper, reinstall the roll, and close the cover..



# **7 Bluetooth Connection Instructions**

## 7.1 Precautions

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.

The maximum separating distance may be shortened if transmission obstacles, such as cement walls, are present.

If a device (such as a microwave oven, wireless LAN, etc.) that uses the same frequency is present, transmission may be interrupted. Separate the printer and Bluetooth-enabled device from such interrupting devices by a distance of at least 5m.

### 7.2 General Sequence for Bluetooth Connections

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

- 1) Turn on power of each device PDAs, PCs (Bluetooth Dongle), Printers, etc.
- 2) Run a Bluetooth connection program on the PDA or PC.
- 3) Search for the peripheral with which to establish the connection Search for the printer.
- Register this Printer form 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) You can check the Bluetooth pairing password through self-inspection by printed page view.
- 5) Test the connection When connected, confirm the designated COM port of fixed COM port and print.

## 7.3 Bluetooth Dongle

- 1. After purchasing Bluetooth Dongle.
- 2. Turn on the printer.
- 3. Connect Bluetooth Dongle to the USB port of the PC.
- 4. After that the Bluetooth icon will show at the lower right of the screen.



5. Right Click the icon, choose "Add Device".



6. Choose Bluetooth name of you printer, click "Next".

	<b>V</b>
XP-20150204GDZU	WULONGYONG
New device	New device
BT Printer	MPT8
New device	New device
MPT8	d4:97:0b:1d:be:d5
New device	New device
If you don't see the device that turned on. Follow the setup ins and then aligh Search Again	t you want to add, make sure that it is structions that came with the device, Search Again

7. Refer to the "Bluetooth" section of you documentation that came with you device. If the

documentation specifies a passkey, use that one.

Add Bluetooth Device Wizard	×
Do you need a passkey to add your device?	*
To answer this question, refer to the "Bluetooth" section of your device. If the documentation specifies a passkey, use	the documentation that came with that one.
O Choose a passkey for me	
$\bigcirc$ Use the passkey found in the documentation:	
O Let me choose my own passkey:	
O Don't use a passkey	
You should always use a <u>passkey</u> , unless your device of recommend using a passkey that is 8 to 16 digits long. T more secure it will be.	does not support one. We The longer the passkey, the
< Bac	k Next > Cancel

8. After you pairing successful, you will see the Bluetooth COM port.

Add Bluetooth Device Wizard	
®	Completing the Add Bluetooth Device Wizard
	The Bluetooth device was successfully connected to your computer. Your computer and the device can communicate whenever they are near each other.
	These are the COM (serial) ports assigned to your device. Outgoing COM port: COM3
	Learn more about <u>Bluetooth COM ports</u> .
	To close this wizard, click Finish.
	< Back Finish Cancel

### 7.4 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.



 IVT Corporation BlueSoleil - Main Window - Evaluation (5MB data only)

 Ele View My Bluetooth My Services Tools Help

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

6. Click right button of the mouse above the "Printer Icon" and select the "Pair Device".
\* IVT Corporation BlueSoleil - Main Window - Evaluation (5MB data only)



7. Enter the PIN Code in the Bluetooth Pass Key window. (Default Pass Key: 0000)



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

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

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



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