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1. Precautions

1.1. Purpose

The USB print server mainly provides network printing support for a USB printer. Any computers and Android mobile phones under the same Ethernet network can be connected to the print server through the network (Wired or Wireless connection) for printing. 0.,

1.2. Definition

Definition	Description
USB Network Print Server	A print server that supports printing with USB
	printer via RJ45 Ethernet connection
USB Network WiFi Print Server	A print server that supports printing with a USB
	printer via RJ45 Ethernet connection or WiFi.
USB Network Bluetooth Print Server	A print server that supports printing with a USB
	printer via RJ45 Ethernet connection or
	Bluetooth.
1 USB Port Print Server	A device supports to connect 1 USB printer.
3 USB Ports Print Server	A device supports to connect 3 USB printers
	simultaneously.
Print Server Config Tool	A client software that supports network
	connection configuration for print server, USB
	printer, computer, smartphone, and router.
Computer	Only Windows system Computer supports Print
	Server Config Tool;
	MAC OS and Windows Computer support
	printing job with the print server.
Smartphone	Only Android Smartphone supports printing job
	with the print server.
USB Printer	The print server only supports USB printers with
	the RAW protocol.
Network	Supports printing via a print server in the same
	LAN.

2. Production Description

2.1. Print Server Appearance

1 Port USB Print Server



2.2 Print Server Config Tool Main Interface

2.2.1. Definition

Definition	Description
Info	Display print server basic information, such
	as device name, software version, etc
Device Parameter	Modify print server name, mac address,
	printing transmission mode
Network Config	Configure the IP address of print server via
	Wired or WiFi method
Firmware Upgrade	Upgrade the latest software of print server
Reboot	Reboot the print server, virtual USB port
	software for printer scan function

2.2.2. Interface Introduction

2.2.2.1. Info Interface

	neboot		Reboot the plint server, virtua	n oob port
			software for printer scan function	n
2.2	2.2. Interface	Introduction	stronics	
2.2	.2.1. Info Interf	ace	Jeu	
Pr Pr	int Server Config Tool			- 🗆 🗙
		Info Device Parameter Network Co	anfig Firmware Upgrade Reboot	EN
	Device Info			
	Device Name	Printer Server	Reconnect	Refresh
	Hardware Version	WN0x	NOLUM RELL	
	Software Version	20210608.1		
	Running Time	233 1 D	evice basic info	
	Network Info			
	MAC Info	08:00:27:00:01:92		
	WiFi Info	192.168.0.123 a0:9f:10:db:a2	:61	
	4G Reserve		ternet connection status	
	USB Ports of Print Server	G 100		
	US81	4f9/2d0/100 9100 MFG:Brother;CMD:PJL,XL2HB;M	DL:DCP-1510 series;CLS:PRINTER;CID:Brother Laser Type 1;	
	USB2	9101 3 R	ecognized printer info	
	U\$83	9102		
	5	Connection method P	roduct ID 4	
	192.168.0.123	Via Network Connection Productil	J:WIN01-20210/12002 WIN64	

2.2.2.2. Device Parameter Interface

Device Name	Printer Server	Save	
Printing Transmission Mode	Starts to print while receiving file $\qquad \checkmark$	Save	
MAC Addr	08:00:27:00:01:92	Save	
58 Port Config			
5B Port Config			
58 Port Config USB1 Binding TCP/IP Port	9100		
USB 1 Binding TCP/IP Port USB 2 Binding TCP/IP Port	9100		
USB1 Binding TCP/IP Port USB2 Binding TCP/IP Port USB3 Binding TCP/IP Port	9100 9101 9102	Save	
8 Port Config			

Device Name: When there are multiple print servers in the network, it is recommended to modify the device name, so that the mobile phone can quickly connect to the assigned print server for printing.

Printing Transmission Mode: The default mode is" Starts **to print while receiving file**". For printer with higher data transmission, suggest choosing" Starts **to print after received file**"

MAC Addr: Unique MAC address is required, when there have multiple network print servers in the Ethernet via network (RJ45 cable) connection

USB Port Config: For one port USB print server, please use the **"USB1"** port only, default port number:9100. If users need to change this port number, please make sure the port number is as same as in the printer properties TCP/IP port. Port number range: **9100~65535**.

2.2.2.3. Network Config Interface

DYALTY - S nake print sharing e	SECU Info asy and free	Device Parameter Network Config	Firmware Upgrade	Reboot	
Wired/WiFi N	etwork Config				
Wre	d Network Config				
	Obtain an IP Address	Fixed IP Address	~		
	IP Addr				
	Subnet Mask				
	Gateway	192.168.0.1			
	DNS Addr	192.168.0.1		Save	
WF	i Network Config				
	Choose Available WiFi Internet	Click "Scan "button to search WiFi inte	rnet 🗸	Scan	,
	WiFi Password				
	Obtain an IP Address	Fixed IP Address	~		
	IP Addr	192.168.0.123			
	Subnet Mask	255.255.255.0			
	Gateway	192.168.0.1			
	Page 1 12	100.100.0.1		Save	

Wired Network Config: The print server connects to the internet via RJ45 Cable

WiFi Network Config: The print server connects to the internet via a WiFi hotspot

Note: It is not recommended to use automatic IP address acquisition for the print server. After connecting with the configuration tool, it is recommended to change the IP address to a fixed IP address or set it to static allocation in the router.

2.2.2.4. Firmware Upgrade Interface

a print sharing easy and free	Device Parameter Network Config Primiare Lograde Reboot	
levice Firmware Upgrade		
Please choose the firmware		
	Upgrade	

Via Network Connection ProductID:WN01-20210712002 WIN64

Please choose the latest firmware to upgrade the print server, then click the "Upgrade" button, After finishing the update, need to reboot the print server.

2.2.2.5. Reboot Interface

LOYALTY -SECU Ir	fo Device Parameter	Network Config	Firmware Upgrade	Reboot		EN
Reboot Devic	e Reboot	1				
		1				

Reboot is for rebooting the print server

3. Basic Configuration and Operation

Note: It only supports config the print server with print server config tool via Windows operating system computer. Mac operating system computer does not support. After configuration successfully via windows operating system computer, you can use Windows and Mac operating system computers to explore printing via our print server directly.

3.1. Print Server Configuration Tool Preparation (for Windows

OS Config only)

3.1.1. Print Server Configuration Tool Download

Please download the **Configuration Tool** from LOYALTY-SECU's official website: <u>https://loyalty-secutech.com/print-server-data-download/</u> or contact our customer service to obtain the configuration tool of the print server. Contact email: <u>info@loyalty-secu.com</u>

3.1.2. Print Server Configuration Tool Installation

The package of print server config tool is shown as below:

Name	Date modified	Туре	Size
📜 language	7/18/2021 2:24 PM	File folder	
config	7/15/2021 8:25 AM	Configuration settings	1 KE
Print Server Config Tool	7/18/2021 2:06 PM	Application	18,930 KB

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double-click [**Print Server Config Tool**] to configure the parameters, it is no need for any software installation process. the interface as shown as below:

nake print sharing easy and line	Device Parameter Network Config Pirnware Upgrade	Reboot	D 1
Device Info			
Device Name Hardware Version Software Version		Reconnect	Refresh
Network Info			
NAC INFO WITI 3m5 40 Reserve USB Parts of Print Server	Ennvert Minbod Ris select a convection method Ris select a convection method Ris La Gable Ara Instrumek	-	
1581	Apply		
1582			
U583			

Note: After running the configuration tool, the Windows PC may remind you whether to allow access to the network. If you use network configuration, you must allow access to the network so that the configuration tool can obtain the list of print servers in the network.

3.2. Print Server Connection with Print Server Config Tool (for

Windows OS Config only)

3.2.1. Connection Via USB Cable

3.2.1.1. Preparation Work before Connection Configuration

- ✓ A computer with Windows operating system
- ✓ A USB cable with TYPE C interface (Included in the packing box)
- ✓ Print Server Config Tool (Windows version)

3.2.1.2. Connection Configuration Steps

3.2.1.2.1. Connect the print server to the computer via the USB cable





As shown as right:

After being connected to the computer, the print server will automatically power on and start. and the print server config tool will display the "USB" sign in the lower-left corner, indicating that the config tool has been identified as the print server as shown as below:

Note: Please kindly note it will take about 20 seconds to finish the entire startup process.

LOVALTY -SECU make print sharing easy and free	Info Device Parameter	Network Config Firmware Upgrade	Reboot	BN
Device Info				
Device Name	Printer Server		Reconnect	Refresh
Hardware Version	WN0x			
Software Version	20210603.1			
Running Time	20			
Network Info				
MAC Info	08:00:27:00:01:9	2		
WiFi Info	1			
4G Reserve	1			
USB Ports of Print Server				
US81	9100			
US82	9101			
USB3	9102			
	10 100 0 11		unbic a	

3.2.1.2.2. Confirm the Ethernet IP Address of the Print Server

2 ways for the print server to obtain the IP Address:

Way 1: Use DHCP to obtain an IP address from the network

It will assign the print server a dynamic IP address when connecting the print server with the router,

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please kindly make sure your router supports the DHCP function.

Way 2: Obtain a fixed IP Address

Click "Start Menu---Run" or use the "WIN+R" key combination to call the run window, enter "cmd" in the Run window, click OK as shown as below:

Kun			
٥	Type the name of a pr resource, and Windov	rogram, folder, docur vs will open it for you	nent, or Internet
Open:	cmd		

After inputting "ipconfig", click the "Enter" button, then the IP Address, Subnet Mask, Gateway information will be displayed as shown as below:

- 1) Network Segment: 192.168.0.xxx
- 2) Subnet Mask: 255.255.255.0
- 3) Default Gateway: 192.168.0.1

Command Prompt		×
Media State Media disconnected Connection-specific DNS Suffix . :		~
Wireless LAN adapter WLAN:		
Connection-specific DNS Suffix : DHCP HOST Link-local IPv6 Address : fe80::4fd:6f7c:d033:4078%7 IPv4 Address : 192:168.0.104 Subnet Mask : 255:255.255.0 Default Gateway : 192:168.0.1		

3.2.1.2.3. Set the Ethernet IP Address of the Print Server

2 ways to set network configuration: (wired network config or WiFi network config) Way 1: Wired Network Config (for network print server)

Input the below parameters in the Wired Network Config, then click the" Save" button as shown as below:

(For demo using only)

Eg: 1) IP Address: 192.168.0.123(Fixed) 2) Subnet Mask: 255.255.255.0

t Server Config Tool					
LOYALTY -SECU make print sharing easy and free	Info	Device Parameter	Network Config	Firmware Upgrade	Reboot
Wired/WiFi Network Confi	ig				
Wired Network Con	ifig			v	
Wired Network Con Obtain an IP IP Addr	ifig Address	Fixed IP Address 192.168.0.123		~	
Wired Network Con Obtain an IP IP Addr Subnet Mask	nfig Address	Fixed IP Address 192.168.0.123 255.255.255.0	0	~	
Wired Network Con Obtain an IP IP Addr Subnet Mask Gateway	ifig Address	Fixed IP Address 192.168.0.123 255.255.255.0 192.168.0.1	2	▼ □ □	

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After configuring the corresponding parameters, remove the USB cable from the computer. And connect relevant devices as shown as below:



(1 USB Port Network Print Server)



(3 USB Ports Network Print Server)

Way 2: WiFi Network Config (for WiFi print server)

Click the "Network Config" interface, configure the parameter via "WiFi Network Config" as shown as below:

Wird Trifo Device Parameter Network Config Wired/WiFI Network Config Wired Network Config Obtain an IP Address Image: Control of the Internet Obtain An IP Address Image: Control of the Internet Obtain An IP Address Image: Control of the Internet Obtain An IP Address Image: Control of the Internet Obtain An IP Address Image: Control of the Internet Obtain An IP Address Image: Control of the Internet Obtain An IP Address Image: Control of the Internet Image: Control of the Internet Image: Control of the Internet Image: Control of the In		
Wired/WiFi Network Config	work Config Firmware Upgrade Reboot	EN
Wiesd Network Conto Obtan an IP Address Obtain an IP Addr via DHCP IP Addr		
Winst Network Confo Obtain an IP Address Obtain an IP Addr Via DHCP IP Addr		
Obtan an IP Address Obtain an IP Addr via DHCP IP Addr		
Obtain an IP Address Obtain an IP Addr via DHCP IP Addr		
IP Addr Subnet Mask Gabeney DNS Addr Choose Available WFi Internet Choose Available WFi Internet WFi Pessnord Dbtan an IP Address Fixed IP Address	DHCP V	
Subnet Mask Subnet Mask Gateway DNS Addr DNS Addr Save WM Network Confg Choose Available WFi Internet Click "Scan button to search WFi internet ~ Scan WFi Pessnord Dbtan an IP Address Fixed IP Address V		
Subret Mask Gateway DNS Addr DNS Addr Save WFI Network Config Choose Available WFI Internet Uids "Scan button to search WFI internet ~ WFI Password Uith Password Dbtan an IP Address Fixed IP Address V		
Gateway DNS Addr Save WFI Returnet Config Choose Available WFI Internet Uidx "Scan button to search WFI internet ~ Scan WFI Password Obtan an IP Address Fixed IP Address V		
DNS Addr Save		
WPI Network Confg Choose Available WFI Internet Citck "Scan button to search WFI internet ~ Scan WFI Password	Save	
Writetwak Confg Choose Available WFi Internet Citick "Scan button to search WFi internet ~ Scan WFi Password		
Choose Available WFI Internet Citck "Scan button to search WFI internet ~ Scan WFI Password Cobtan an IP Address Pixed IP Address		
WHP Password Obtan an IP Address Food IP Address	earch WFi internet ~ Scan	
Obtan an IP Address V		
	~	
10 3.64		
Subnet Mask		
Gateway		
DNS Addr Save		

Click "Scan" to search nearby WiFi hotspots, the result will be displayed in the drop-down list within 5 seconds, select the right WiFi hotspot you need to connect, input the parameter, then click "Save", as shown as below:

- Eg: 1) IP Address: 192.168.0.123(Fixed)
 - 2) Subnet Mask: 255.255.255.0

(For demo using only)

3) Gateway & DNS: 192.168.0.1

Choose Available WiFi Internet	simplyisbest	~		Scan	+	1.Click "Scan" to search the
WiFi Password	Rj4781956					choose the right one
	Protection of the local division of the loca		2.Inp	ut WiFi p	assword	3
Obtain an IP Address	Fixed IP Address	~				
IP Addr	192.168.0.123					
Subnet Mask	255.255.255.0			Assign an	fixed IF	address, fill in all the info
Gateway	192.168.0.1					
DNS Addr	192.168.0.1			Save	+ 4	I. Click "Save" button

The parameter configuration procedure of Ethernet IP Address is as same as <u>3.2.1.2.2. part</u>, so do not repeat here.

After finishing the WiFi network config, remove the USB cable from the computer. And connect relevant devices as shown as below:



(1 USB Port WiFi Print Server)





3.2.2. Connection via Network

3.2.2.1. Preparation Work before Connection Configuration

- ✓ A computer with Windows operating system
- ✓ Power on the print server, and connect it to the router via network cable
- ✓ Print Server Config Tool (Windows version)

3.2.2.2. Connection Configuration Steps

3.2.2.1. Connect the Print Server to the Computer via Network

Open the config tool, choose the "Via Network" method, and select the IP address of the print server from the Ethernet, as shown as below:

Note: The print server with an operating system inside and it takes about 20 seconds to start up after powering on.

DYALTY -SECU	Info	Device Parameter N	etwork Config	Firmware Upgrade	Reboot		EN
Device Info							
Device Name					1	Reconnect	Refresh
Hardware Version							
Software Version							
Running Time							
Network Info		Connect Method					
MAC Info				1			
WiFi Info		Pis select a connec	tion method		_		
4G Reserve		Via USB Cal	ble				
USB Ports of Print Server		Via Network	¢				
USB1			Apply				
USB2							
USB3							
Server Config Tool					2		-
Server Config Tool	Info	Device Parameter	Network Config	Firmware Upgrade	e Reboot		-
Server Config Tool OYALTY -SECU ake print sharing easy and free Device Info	Info	Device Parameter	Network Config	Firmware Upgrade	e Reboot		E
Server Config Tool OYALTY -SECU ake print sharing easy and free Device Info Device Name	Info	Device Parameter 1	Network Config	Firmware Upgrade	e Reboot	Reconnect	
Server Config Tool OVALTY -SECU ake print sharing easy and free Device Info Device Name Hardware Version	Info	Device Parameter	Network Config	Firmware Upgrade	Reboot	Reconnect	Refresh
Server Config Tool OVALTY -SECU ake print sharing easy and free Device Info Device Name Hardware Version Software Version	Info	Device Parameter	Network Config	Firmware Upgrade	Reboot	Reconnect	E Refresh
Server Config Tool OVALTY -SECU aske print sharing easy and free Device Info Device Name Hardware Version Software Version Running Time	Info	Device Parameter 1	Network Config	Firmware Upgrade	. Reboot	Reconnect	E Refresh
Server Config Tool CVALTY -SECU Iske print Sharing easy and free Device Info Device Name Hardware Version Software Version Running Time Network Info	Info	Device Parameter	Network Config	Firmware Upgrade	x Reboot	Reconnect	E Refresh
Server Config Tool OVALTY -SECU ake print sharing easy and free Device Info Device Name Hardware Version Software Version Running Time Network Info MAC Info	Info Fi	Device Parameter	Network Config	Firmware Upgrade	Reboot	Reconnect	Refresh
Server Config Tool CVALTY -SECU aste print sharing easy and free Device Info Device Name Hardware Version Software Version Running Time Network Info MAC Info WiFi Info	Info	Device Parameter	Network Config	Firmware Upgrade	Reboot	Reconnect	Refresh
Server Config Tool CVALTY -SECU aske printsharing easy and free Device Info Device Name Hardware Version Software Version Running Time Network Info MAC Info WiFi Info 4G Reserve	Info	Device Parameter	Network Config ne network	Firmware Upgrade	Reboot X	Reconnect	Refresh
Server Config Tool CVALTY -SECU Jake print sharing easy and free Device Info Device Name Hardware Version Software Version Running Time Network Info MAC Info WFI Info 4G Reserve USB Ports of Print Server	Info	Device Parameter 1	e network	Firmware Upgrade	× Reboot	Reconnect	Refresh
Server Config Tool COVALTY -SECU ske print sharing essy and free Device Info Device Name Hardware Version Software Version Running Time Network Info MAC Info WiFi Info 4G Reserve USB Ports of Print Server	Info	Device Parameter	Network Config e network er [192.1	Firmware Upgrade	Reboot X	Reconnect	Refresh
Server Config Tool CVALTY -SECU Steprint Sharing easy and free Device Info Device Name Hardware Version Software Version Running Time Network Info MAC Info WFI Info 4G Reserve USB Ports of Print Server USB1 USB1 USB1	Info Fi	Device Parameter 1	e network e network er [192.1	Firmware Upgrade	× Reboot	Reconnect	Refresh
Server Config Tool CVALTY -SECU ake print Sharing easy and free Device Info Device Name Hardware Version Software Version Running Time Network Info MAC Info WFI Info 4G Reserve USB Ports of Print Server USB1 USB1 USB1	Info Fi	Device Parameter 1	e network er 192.1 Apply	Firmware Upgrade	x Reboot	Reconnect	E Refresh
Server Config Tool CVALTY -SECU aste print sharing easy and free Device Info Device Name Hardware Version Running Time Network Info MAC Info WiFi Info 4G Reserve USB Ports of Print Server USB1 USB1 USB2 USB3	Info	Device Parameter	e network er 192.1 Apply	Firmware Upgrade	x Reboot	Reconnect	Refresh

3.2.2.2. Set the Ethernet IP Address of the Print Server

The parameter configuration procedure is as same as <u>3.2.1.2.2. part</u>, so do not repeat here. After finished configuration, please click **"Save"** as shown as below:

make print sharing easy and free	Device Parameter Network Config	Firmware Upgrade	Reboot	EN
Wired/WiFi Network Config				
Wind Natural Config				
Wired Network Cornig				
Obtain an IP Address	Fixed IP Address	~		
	104	5.2		
IP Addr	192.168.0.125			
IP Addr Subnet Mask	192.168.0.125 255.255.255.0			
IP Addr Subnet Mask Gateway	192.168.0.125 255.255.255.0 192.168.0.1			

3.3. How to Config Computer to Print?

3.3.1. Take Win 10 operating system for example

Note: After finishing the configuration between the print server and the print server config tool, it needs to add a printer to the computer for printing.

Click the "Start" menu \rightarrow Choose "Setting" \rightarrow choose "Devices" \rightarrow choose "Printer&Scanner" \rightarrow Choose "add a printer &scanner", if you didn't find your printer in the list, click "The printer that I want isn't listed" and choose option ③ as shown as below:

← Settings		-
යි Home	Printers & scanners	
Find a setting	Add printers & scanners	Add Printer Add Pr
Devices	C Refresh	Find a printer by other options
Bluetooth & other devices	Searching for printers and scanners	
🔒 Printers & scanners	The printer that I want isn't listed	My printer is a little older. Help me find it. Select a shared printer by name
① Mouse	The printer that i want isn't listed	Browse
Touchpad	Printers & scanners	Example: \\computername\printername or http://computername/printers/printername/.printer
I Typing		Add a printer using a TCP/IP address or hostname
Pen & Windows Ink	Brother DCP-1510 series Default, Driver is unavailable	Add a Bluetooth, wretes or network discoverable printer Add a local printer or network printer with manual settings
AutoPlay AutoPlay	Brother DCP-1510 series Default	
🖞 USB	Fax	Next Cancel
	FX2E1727 Not connected	
	Microsoft Print to PDF	
	Microsoft XPS Document Writer	

"Create a new port", and the "type of port" is "Standard TCP/IP Port", Click the" Next" button as shown as:

~

		Add Printer	
🗧 🚙 Add Printer	Тур	e a printer hostnam	e or IP address
Choose a printer port A printer port is a type of connection that allows yo printer. O Use an existing port LPT1: (Printer Port) © Create a new port	ur computer to exchange information with a Host Port	ice type: tname or IP address: name:	TCP/IP Device -
Create a new port Type of port Standard TCP/IP Pc	nt •	up the printer and auton disable this opti	natically select the driver to use
Click the "next" button to And choose "Custom" ar	D continue and show the se	etting interfa	Next Cancel
Add Printer	×	the next step	
Additional port information required The device is not found on the network. Be su 1. The device is turned on. 2. The network is connected. 3. The device is properly configured. 4. The address on the previous page is correct. If you think the address is not correct, click Bac correct the address and perform another soard is correct, select the device type below. Device Type C Standard Centeric Network Card Custom Settings.	e that: to return to the previous page. Then to on the network. If you are sure the address	ectron	
If there is not your brand (3) as shown as below:	Model NO. printer driver i	in list ①, it c	can obtain from option ② and
← 🛛 🥪 Add Printer		×	
Install the printer driver			

1		
Manufacturer	Printers	
Adobe	Adobe PDF Converter	
Brother		
Generic		
Microsoft		
	2	

After clicking **"Windows Update"**, It can obtain a printer driver brand list as shown as follows: If there still haven't your brand model NO. printer driver, pls click **"Have Disk"** and copy your USB

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printer manufacturer's printer driver from your disk to install the driver into the computer. As shown as below:

		8 120 120 10			
		Add Printer			
e Add Penner Install the printer driver	×	Install the printer driver dri driver driver driver driver driver driver driver	iver ter from the list. Click W er from an installation C	Vindows Update to see mo CD, click Have Disk.	re models.
Choose your printer from the list. Click Windows Update to see To install the driver from an installation CD, click Have Disk.	Install from Disk	X Manufacturer Adobe	Printers	slor Lea Type1 Class Driver	
Manufacturer A Pietes BIXICON Bisa Bisa Bisa Bisa Bisa Bisa Bisa Bisa	Copy nanufacture's Bies from:	Brother Generic Microsoft	Brother Co Brother DC Brother Ge Brother Ge	P-1510 series Driver P-1510 series Driver eneric Jpeg Type1 Class Dri eneric Jpeg Type2 Class Dri	iver
This driver is digitally signed. Wondows Update Tall one why driver signing is important	Have Disk.	This driver is digitally Tell me why driver sig	signed. Ining is important	Windows Update	Have Disk
	Next: Cancel			N	lext Cance

Note: If you still cannot obtain the printer driver from "Windows Update" or "Have Disk", please connect your USB printer with the computer, it will install the printer driver into the computer directly. Or contact your USB printer supplier to obtain a printer driver.

And click" **next**" after finishing the installation. Then click the "Start" menu \rightarrow Choose "Setting" \rightarrow choose "Devices" \rightarrow choose "Printer&Scanner" \rightarrow Choose the target printer as shown as below:

									4- Settings	-	×
Settings							2	o ×	Q Home	Printers & scanners	
				W	lindows Settinas				Find a setting	Add printers & scanners	1
						_			Devices	+ Add a printer or scanner	
			Find A 1	ething	9.	P			Bluetooth & other devices		
									Printers & scanners	Printers & scanners	
		System Digital sound, not fications,			Devices Disetsoth, printare, mouse		Phone Livk your Android, iPhone		O Mouse	Adobe PDF	
									Touchpad	Brother DCP-1510 series Default, Driver is unavailable	
		Network & Internet WLAN, argiane mode, VPN	1	4	Personalization hadiground, lock screen, colors	E	Apps Unimital, defaults, optional Matures		C Typing	Brother DCP-1510 series Default, Not connected	
									💣 Pen & Windows Ink	₽ Fax	
	8	Accounts Vive accounts, email, symp		4	Time & Language Spendy, report, date	\otimes	Gaming Game bas captures.		(AutoPlay	FX2E1727	
		work, family					broaduating, Game Mode		Ö USB	Not connected	
	4	Ease of Access		0	Cortana	Q	Search			Microsoft Print to PDF	
	-	Narrator, magnifier, high contrait		-	Cortana language		Find my files, permissions			Microsoft XPS Document Writer	

Right-click the **"Brother DCP-1510 series"** printer and choose **"Printer Properties**", as shown as below:

← Settings	-	×
Manage your device		
Printer status: Default Open print queue Set as default		
Print a test page		
Run the troubleshooter		
Printer properties		
Printing preferences		
Hardware properties		
R Get help		

Choose "Ports"-> Click "Add Port", Choose "Standard TCP/IP Port" and click "New Port" and

"next" as shown as below:

Brother DCP-1510 series Properties X	Add Standard TCP/	IP Printer Port Wizard
Color Management Security Device Settings General Sharing Ports Advanced	Brother DCP-1510 series Properties	Welcome to the Add Standard
So Brother DCP-1510 series	Color Management Security Printer Ports	This wizard helps you add a port for a network printer.
Print to the following port(s). Documents will print to the first free checked port.	Available port types: Adobe PDF Port Monitor Local Port Standard TCP/IP Port	Before continuing be sure that: 1. The device is turned on. 2. The network is connected and configured.
Port Description Printer □PT1: Printer Port	New Port Type. New Port. COM2: Serial Port Com2: Seri	
COMM: Senarori COMS: Senarori Add Part Delate Port v	COM4: Senial Port	To continue, click Maxt
Enable bidirectional support Enable printer pooling	Add PortDelete Port	
CK Cancel Apply	OK Cancel Apply	

Input the IP address of the Print Server, choose "Custom", click "setting" as shown as below:

dd port For which device do you want to add a p	port?	
Enter the Printer Name or IP add	dress, and a port name for the desired device.	, offi
Printer Name or IP Address:	192.168.Q 105	
Port Name:	192.168.0.105_1	
	< Back Next > Ci	ancel
	< Back Next > C	ancel
and Generic Network Card	< Beck Next> C	ancel
Internetic Network Card	< Back Next > Co Configure Standard TCP//P Port Monitor	×
and Generic Network Card d Standard TCP/AP Printer Port Wizard ditional port Information required	< Back Next > Configure Standard TCP/IP Port Monitor Port Settings	×
and Generic Network Card d Standard TCP/IP Printer Port Wizard d Standard TCP/IP Printer Port Wizard The device could not be identified.	< Back Next > Configure Standard TCP/IP Port Monitor Port Settings	×
and Generic Network Card di Standard TCP/IP Printer Port Wizard dittional port Information required The device could not be identified.	Configure Standard TCP/IP Port Monitor Port Settings Port Name: 192.168/0.105.1	×
and Geneic Network Card d Standard TCP/IP Printer Port Wizard dditional port Information required The device could not be identified.	< Back Next > Configure Standard TCP/IP Port Monitor Port Settings Port Name: Pinter Name or IP Address: 192.168.0.105	×
ed Geneic Network Card d Stendard TCP/NP Printer Port Wizard dititional port information required The device could not be identified. The device is not found on the network. Be sure	< Back Next > CC Configure Standard TCP/IP Port Monitor Port Settings Port Name: Port Name: Port Name or IP Address: 192.168.0.105 Protocol	×
end Generic Network Card d Stendard TCP/IP Printer Port Wizard distinoal port Information required The device could not be identified. The device is not found on the network. Be sure 1. The device is turned on.	< Back Next > CC Configure Standard TCP/IP Port Monitor Port Settings Port Name or IP Address: Printer Name or IP Address: Protocol Raw C 159	×
and Generic Network Card d Standard TCP/IP Printer Port Wizard dditional port Information required The device could not be identified. The device is not found on the network. Be sure 1. The device is turned on. 2. The network is connected. 3. The network is connected.	< Back Next > CC Configure Standard TCP/IP Port Monitor Port Settings Port Name: Printer Name or IP Address: Protocol Raw C LPR	×
	< Back Next > Configure Standard TCP/IP Port Monitor Port Settings Port Name: Printer Name or IP Address: Protocol Rew Settings	×
Geneic Network Card Standard TCP/AP Printer Port Wizard Standard TCP/AP Printer Port Wizard Standard TCP/AP Printer Port Wizard The device is not found on the network. Be sure The device is not found on the network. Be sure The device is properly configured. The device is properly configured.	< Back Next > CC Configure Standard TCP/IP Fort Monitor Port Settings Port Name: Port Name: Protocol Raw C LPR Raw Settings Port Number: Port 0 Port 0	×
Generic Network Card Standard TCP/IP Printer Port Wizard Standard TCP/IP Printer Port Wizard Standard TCP/IP Printer Port Wizard The device is not found on the network. Be sure The device is turned on. The network is connected. The address on the previous page is correct. If you think the address in not correct, click Back t correct the address and perform another search c	< Back Next > CC Configure Standard TCP/IP Port Monitor Port Settings Port Name: Printer Name or IP Address: Protocol Raw Settings Port Number: 9100 9100	×
Geneic Network Card Senetic Network Card Senedard TC/AP Pinter Port Weard distional poor Information required The device could not be identified. The device is not found on the network. Be sure 1. The device is connected. The device is on the previous page is correct. If you think the address is not correct click Back I correct the address and perform another search c is correct, selection.	< Back Next > Co Configure Standard TCP/IP Port Monitor Port Settings Port Name: Printer Name or IP Address: Protocol Raw C LPR Raw Settings Port Number: 9100 LPR Settings	×
Geneic Network Card Standard TCP/AP Printer Port Wizard The device is not found on the network. Be sure The device is furmed on. The device is connected. The device is properly configured. The devices is not correct, click Back I orrect the address and perform another search c is correct, select the device type below. Device Type	< Back Next > Co Configure Standard TCP/IP Port Monitor Port Name: Printer Name or IP Address: Protocol Rew Settings Port Number: 9100 UPR Settings Cuerue Name:	×
	< Back Next > Co Configure Standard TCP/IP Port Monitor Port Settings Port Name: 192.168.0.105 Protocol Protocol Raw C LPR Raw Settings Port Number: 9 9100 LPR Settings Cueve Name: Cueve	×
	< Back Next > Co Configure Standard TCP/IP Port Monitor Port Settings Port Name: 192.168.0.105 Protocol Raw C LPR Rew Settings Port Number: 9100 LPR Settings Cueve Name: 19100 LPR Syte Counting Enabled	×
deneic Network Card dStandard TCP/AP Printer Port Wizard dStandard TCP/AP Printer Port Wizard ditional port information required The device is not found on the network. Be sure 1. The device is turned on. 2. The network is connected. 3. The device is properly configured. 4. The address on the previous page is correct. If you think the address in not correct, click Back to correct, select the device type below. Device Type C Standard Generic Network Card Custom Settings_	< Back Next > C Configure Standard TCP/IP Port Monitor Port Settings Port Name: Protocol Rev 192.168.0.105 Protocol F Rev 192.168.0.105 F Rev 192.1	×
Geneic Network Card d Standard TC/AP Printer Port Waard distingual port Information required The device is not found on the network. Be sure 1. The device is furned on. 2. The network is connected. The device is properly configured. 4. The address and perform another search c is correct, tele the address is not correct, click Back t correct network device type below. Device Type C Standard Settings. O O	< Back Next > Co Configure Standard TCP/IP Port Monitor Port Settings Port Name: Printer Name or IP Address: Printer Name or IP Address: Protocol Raw Cursue Name: Protocol IPR Byte Counting Enabled Community Name public	×
deneix Network Card distandard TCP/AP Printer Port Wizard distandard TCP/AP Printer Port Wizard distional port Information required The device is not found on the network. Be sure 1. The device is connected. 3. The device is properly configured. 4. The address on the previous page is correct. Hyou think the address is not correct, click Back t correct the address and perform another search c is correct, select the device type below. Device Type C Standard Generic Network Card Custom Setting: 0	< Back Next > Co Configure Standard TCP/IP Port Monitor Port Settings Port Name: Pinter Name or IP Address: Protocol Raw C LPR Rew Settings Port Number: 9 9100 LPR Syste Counting Enabled Community Name public ShMP Status Enabled Community Name public	×
	< Back Next > C Configure Standard TCP/IP Port Monitor Port Settings Port Name: Protocol Rew Settings Port Number: Port Number: Port Number: Port Status Enabled Community Name public SNMP Device Index: 1 Control Setting:	×
Geneic Network Card d Standard TCP/AP Printer Port Waard distional port Information required The device is not found on the network. Be sure The device is sumed on. The device is properly configured. The device is properly configured. The address and perform another search c is correct, self-machine address is not correct, click Back I correct the address is not correct, click Back I correct the address is not correct, click Back I correct the address is not correct, click Back I correct self-machine address is not correct. If you think the address is not correct, click Back I correct self-machine address is not correct. Device Type C Standard Generic Network Card Custom Settings_ Device Type Denable printer pooling	Configure Standard TCP/IP Port Monitor Port Settings Port Name: Protocol Raw Port Name: Protocol Raw Port Namber: Protocol Raw Port Namber: Protocol Raw Port Namber: Por	×

Please make sure **IP address** (3) and **Port Number** (5) are as same as print servers, and **Protocol** (4) is Raw. You can check the "**Info**" interface of the print server in the print server config tool to double-check.

Note: If it is 3 USB Ports Print Server, please kindly note that the **Port Number** (5) is different

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from per USB port.

After the above "Port Settings" is finished, please click "OK" to continue. And click "Next" as

shown as below:

Add Standard TCP/IP Printer Port Wizard

Additional port information required The device could not be identified.	2
 The device is not found on the network. Be sure that: The device is turned on. The network is connected. The device is properly configured. The address on the previous page is correct. If you think the address is not correct, click Back to return to the previous page. The correct the address and perform another search on the network. If you are sure the is correct, select the device type below. Device Type C Standard 	hen e address
Custom Settings	
< Back Next >	Cancel

After finishing adding the TCP/IP Port, the printer IP Address and port number will be displayed as shown as follows:

Add Standard TCP/IP Printer Port Wizard

C T	Completing CP/IP Prin	the Add Stand ter Port Wizar	lard d
Ya	ou have selected a haracteristics.	port with the following	
S	NMP:	No	
Ρ	rotocol:	RAW, Port 9100	
D	evice:	192.168.0.105	
P	ort Name:	192.168.0.105_1	
А	dapter Type:		
Τι	o complete this wiz	ard, click Finish.	
		< Back Finish	Cancel

Now all settings are completed, we can start to "print a test page" to test if the setting is

o ×

successful or not, as shown as below:

← Settings
ி Brother DCP-1510 series
Manage your device
Printer status: Default
Open print queue Set as default
Print a test page
Run the troubleshooter
Printer properties
Printing preferences
Hardware properties
Get help

3.3.2. Take Mac operating system for example

Before proceeding on the setting, please notice the below items in advance:

- ✓ Make sure the MAC computer can print directly when connected to the USB printer.
- ✓ MAC System can recognize the USB printer with 9100 Port only and is unable to recognize the printers with 9101/9102/9103 Port.
- ✓ MAC System supports most of the brand printers such as HP, Brother, Samsung; Supports a few limited models for Canon and Epson.
- MAC System support to print via HP Jetdirect-Socket Protocol, not support the IPP, LPD Protocol

Steps for MAC system to add the printer:

Choose the "System Preferences", and choose the "Printers & Scanners" as shown as below:



Click"+", to add the Printer. And Choose the "IP" Option, to fill in the printer information as shown as below:



Note:

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Address: Input IP Address or Host Name (the print server IP address)

Protocol: HP Jetdirect-Socket (HP and other printer manufacturers are using this protocol)

Use: Select Software

For other items just keep the default options as shown as below:



Choose the right printer software from the listing.

You can use the "Filter" function for a quick search. If you cannot find your printer software from the existing listing, please go to the printer's website to download the MAC driver. After finding your printer software, please click "OK"

2

lectron

Lines	192 168.0 116		Printer Software
	Valid and complete heat name or address.		
Protocoli	HP Jetdirect - Socket	-	Q. 11-0
0		Brother DOF-1	11 series CUPS
	Laters blank for default same.	Brother MEC-1 SYMED Label IV Tpean 24-Per S Tpean D-Per Se 1PSON FAX	410 series CLIPS Index Intes Intes
Nation	192.168.0.116	H ¹ DeskJet Se	ries
Location		HP LaserJet Be	elec PCI, 4,5
Use:	Select Software	Ohi 24-Pin Ser	NEW LADIE FTUTER, 2.3 NE
			Carton OK

After finishing the printer software installation, you can explore the printing now.



3.4. How to Config Bluetooth Device to Print?

Note: It only supports Windows OS and Android OS printing via Bluetooth function

3.3.1. Bluetooth Printing via Windows OS

How to connect a print server to a computer using Bluetooth www.loyalty-secutech.com 21

Step1:

- 1) Connect a Bluetooth print server to your USB printer via the USB cable;
- 2) Power on the Bluetooth print server and your USB printer

Then,

- 1) Open "Printer & scanner"
- 2) Click on Bluetooth & devices.
- 3) Turn on the "Bluetooth"
- 4) Click the Add Bluetooth or other device button to connect the print server.
- 5) Connect to the Bluetooth Print Server which named after the connected USB printer (Eg: DCP-1510 series)

As shown as below:

D printers & scanners	s &		¢ Q.	
est match Printers & scanners System settings D Add a printer or scanner	Printers & scanners system vettings	Rindy Rong ubrogroupsed Find a setting p. If gram p. If gram 0 If thestorth & devices p. If thestorth & devices p.	Bluetooth & devices	
⇒ Let Windows manage my default > printer > 意批升移复订印问题 >	Open Get quick help from web Scanning documents	Personalization Apps Accounts Time & language	View new dolos Rescalt Descentin es TEXTO Asser:	0s 💽
carch the web D printer - See web results > ops (2)	Changing printer status Downloading print drivers	Geming Accessibility Privacy & security Windows Update	Decking Decking Add decking We have a specific decking of the deck of the decking of the deck	ia D
rcuments (S+) deos (1+)			Ren Ren Ren Ren Ren Ren Ren Ren Ren	Rone)

Rimly Rong szlonglongsales05	Bluetooth & devices		
Find a setting			
System	+	Add a device ×	
Bluetooth & devices	Add device 2	Add a device	
 Network & internet 		Choose the kind of device you want to add.	
Personalization		Bluetooth 3	
Apps 6		 Mice, keyboards, pens, audio devices, controllers, and more 	
Accounts	Bluetooth Discoverable as "DESKTOP-RINSPFB"	Wireless display or dock	On 🦲
Time & language		Wireless monitors, TVs, or PCs that use Miracast, or wireless docks	
Gaming	Devices	+ Everything else	
X Accessibility	Mouse, keyboard, pen, audio, displays and docks, other	 XDox controllers with XDox wireless Adapter, bLVA, and other devices 	
Privacy & security	Printers & scanners		>
O Windows Update	FIERDERKES, UDBURGHOOK		
	Your Phone Instantly access your Android device's photos, texts, an	c	hone >
	Cameras Connected cameras, default image settings		>
	Mouse Buttons, mouse pointer speed, scrolling	Cancel	>

Rimly Rong szlonglongsales05	Bluetooth & devices	
Find a setting	+	Add a device X
Bluetooth & devices	Add device	Add a device
Network & internet		Make sure your device is turned on and discoverable. Select a device below to
🖌 Personalization		ED DC0 1510 code
Apps		DCP-1510 series
Accounts	Bluetooth	DCP-1510 series
3 Time & language		the connected USB printer
Gaming	Devices	ce
* Accessibility	 Mouse, keyboard, pen, audio, displays and docks, other 	
Privacy & security	Printers & scanners Preferences troubleshoot	
Windows Update		

Note: The Bluetooth Print Server which named after the connected USB printer (Eg: DCP-1510 series.)

d a setting	: 							
System	- C -	+	Add a	device		>		
Bluetooth & devices	Driver is unavailable	Add devic	Yo	ur device	is ready to go!			
Network & internet					_			
Personalization			品	DCP-1510 series	The blueteeth prin	t convor alread	(pairod	
Apps			-	ranca.	with your compute	er alleau	/ paneu	
Accounts	Bluetooth Discoverable as "DESKTOP-RJ	(5PF8*					On 🤇	
Time & language								
Gaming	Devices						ce	,
Accessibility	Mouse, keyboard, pen, audio,	displays and docks, other						
Privacy & security	Printers & scanners Preferences, troubleshoot							>
Windows Update							-	
	Your Phone Instantly access your Android	device's photos, texts, and					hone	>
	Cameras Connected cameras, default in	nage settings						>
	m Marra	- 1				Done		
	Buttons, mouse pointer speed	scrolling						>

Note: The Bluetooth print server is already paired with your computer as shown as the above images. (No need the pin code for pairing)

Step2:

Obtain the Bluetooth Networking COM Number of the Print Server

After computer paired with the Print Server, the Print Server has already listed in the Other Devices area, as shown as below:

Click the "Devices and printers", to get the Bluetooth Networking COM Number.

1) Click "View more devices"

Rimly Rong szlonglongsales05	Bluetooth & devic	es		
ind a setting				
System	-	+		
Bluetooth & devices	DCP-1510 series Driver is unavailable	Add device		
Network & internet				
Personalization		Vie	ew more devices	
Apps				
Accounts	* Bluetooth			
System Other Bluetaoth & devices Network & internet Personalization	DCP-1500 series Ditert is unsvisible DE&L SE22804/		E E	
Accounts Device	ettings			
Time & language Dow Gaming	iload over metered connections software (drivers, info, and apps) for new devices will download when you're r	on metered internet connections—data charges may apply	off	
Accessibility Related	settings			
Privacy & security Windows Update	Sound		>	
-	Display		>	
Sen	or receive files via Bluetooth		Ø	
Mor	Bluetooth settings		Ø	

Right Click the "DCP-1510 series Print Server"-> "Print Server Properties"---> Choose "Services" To get the Print Server Bluetooth SPP Port Number, as shown as below: SPP: COM4

Add a device	Add a printer								
- Devices (5)									
	0								
Dell KB216 Wired Keyboard	Dell MS116 USB Optical Mouse	DELL SE2218HV	DESKTOP-RJNSPF B	JBL PS2200					
Printers (9)									
			Ś					P	
Adobe PDF	Brother DCP-1510 series	DCP-1510 series	Fax	Microsoft Print to PDF	Microsoft XPS Document Writer	OneNote (Desktop)	OneNote for Windows 10	ZDesigner ZD420-300dpi	
			The	bluetooth n	rint conver			ZPL	
			The	biuetooth p	innt server				

Add a device	Add a printer	Remove device						
✓ Devices (5) —								
Dell KB216 Wired Keyboard	Dell MS116 US Ontical Mous	B DELL SE2218H	DESKTOP-RINSPF	JBL PS2200				
 Printers (9) 	opticarmous							
Adobe PDF	Brother DCP-1510 serie	DCP-1510 es G	eneral Hardware Services This Bluetooth devi service, select the	Bluetooth	g services. To use a	OneNote (Desktop)	OneNote for Windows 10	ZDesigner ZD420-300dp ZPL
			Bluetooth Services		0014)
			Senai port (SPP) Senair		COM4			
Step3:					XC)		

Step3:

Choose the corresponding COM Number for the USB Printer

Choose "Brother DCP-1510 Series"-> "Printer Properties"-> Choose Port "COM4"->click "OK"



Add a device	Add a printer										
~ Devices (5)											
Dell KB216 Wired	Dell MS116 USB	DELL SE2218HV DE	SKTOP-RINSPF	JEL PS2200							
Keyboard	Optical Mouse		В								
 Printers (10) 											
Adobe PDF	DCP-1510 series	🥪 🕻	Accessed t Print	Mercenter	Overheate	OverNote for	ZDesigner	Brother	Rether		
House For	CO TOTO RALL	144	to PDF	Document Writer	(Desktop)	Windows 10	ZD420-300dpi ZPL	DCP-1510 series	DCP-1510 series		
		(0									
		Brother DCP-15	510 series Properties	•			×				
		General Sharing	Ports Advanced	Color Management	Security Device Se	ttings					
		Broth	er DCP-1510 series								
		Print to the follow checked port.	wing port(s). Docur	ments will print to th	e first free						
		Port De	escription	Printer							
		LPTT: Pr	rinter Port								
		LPT2: Pr	rinter Port rinter Port			5					
		COM1: Se	erial Port								
		COM2: Se	erial Port erial Port								
		COM4: Se	erial Port	Brother DCP-1	510 series						
		Add Port	-	elete Port	Configure Port						
		Enable printer	tional support								
		-									
19	i items										
8	SANG				ОК	Cancel Ap	ply Help				
101		-									

Now all the setting are completed for Bluetooth printing in Windows OS computer

Step4:

Exploring the printing via Bluetooth function now from computer to printer. Choose "Brother DCP-1510 Series" -> "Printer Properties"-> "Print Test Page"

device	Add a printer S	iee what's printing	Print server properties	Remove device									
I216 Wired yboard ers (10)	Dell MS116 USB Optical Mouse	DELL SE2218HV	DESKTOP-RINSPF B	BL P52200									
De POF	DCP-1310 series	e Series	Microsoft Print to PDF	Microsoft XPS Document Writer	OneNote (Desktop)	CineNote for Windows 10	ZDesigner ZD420-300dpi ZDL	Brether DCP-1510 series	Brother DCP-1510 series				
										Brother DCP-1510 seri	s Properties		
										General Shaing Pots	Advanced Color Manager	nent Security Device Setting	
										Location:			
										Model: Brother I	CP-1510 series		
										Color: No Double-sided: Yes Staple: No Speed: 20 ppm	Paper av	alable .	
										Maximum resolution	Preferences	Print Test Page	

More Info:

If there is no corresponding SPP COM Number on your USB Printer, please add the COM Number manually as the below images shows:

Eg: The SPP COM Number for the Bluetooth print server is COM9

connore mouse					
			Print Server Properties	×	
		V	This Bluetooth device offers the following services. To use a service, select the check box.		
Microsoft XPS Document Writer	OneNote (Desktop)	OneN Wind	Serial port (SPP) 'SPP Dev'		Ç
Jocument Writer	(Desktop)	Wind	₽ ₽		

Choose **"Brother DCP-1510 Series"** --> **"Printer Properties"** -> **"Ports"** -> **"Add Ports"** -> **"Local Port"** -> **"New Port"** -> **"COM9**" -> **"OK"** -> **"Apply"**, as below image shows:

Add a device	Add a printer	see what's printin	g Print server properties	Remove device	4 <u>9</u>				- MAN
~ Devices (10)									
			\mathbf{i}	R		0		\mathbf{i}	
ai的Mi9 Pro 5G	BT5.0 Mous	e DESKTOP-Q 5K	5BB FX2E1727	HECATE GM3	HUAWEI Mate 10	Microsoft Sculpt Comfort Mouse	One by Wacom	Surface Type Cover	WIN-T8Q7B6PR. PQ
Multimedia Devi	ces (1)								
		👼 Bro	ther DCP-1510 series Propertie	ıs	×	-			
			Color Management	Security	Device Settings	1			
平安会议平板			General Sharing	Parts	Advanced				
Printers (13)		\$	Brother DCP-1510 series			-			
		9							
	S	Prin che	t to the following port(s). Docu cked port.	ments will print to	the first free		S	S	S
Adobe PDF	Adobe PDF Converter	DCP	t Description USB001 USB 虚拟打印机端口	Printer	^	Microsoft XPS Jocument Writer	OneNote (Desktop)	OneNote for Windows 10	Print Server
-			JSB002 USB 虚拟打印机端口 192.16 Standard TCP/IP Port	Adobe PDF Con	verter				
		ā	192.16 Standard TCP/IP Port						
0			192.16 Standard TCP/IP Port						
**** On a black			ORIP Local Port	Microsoft XPS U 发送至 OneNot	e 2010. OneN				
2010			COM8 Local Port	Brother DCP-15	10 series 👻				
			Add Port Dele	ete Port	Configure Port				
			nable bidirectional support						
			nable printer pooling						
Br	other DCP-1510 s	series St							
)								

< Devices (10)	
ماؤ@M9 Pro 5G BT5.0 Mouse DESKTOP-C sk	LLSEB FX2E1727 HEGATE GM3 HUAVEI Mate 10 HUAVEI Mate 10 Microsoft Sculpt One by Wacom Surface Type WIN-T8C786PR PQ
Multimedia Devices (1)	
平安会议平板 Printers (13)	Available port types:
88	Adobe PDF Port Monitor
Adobe PDF Adobe PDF Converter DCP	New Port Type New Port Cancel
发送至 OneNote 2010	192.16. Sundard TC/PP Port 192.16. Sundard TC/PP Port 192.16. Sundard TC/PP Port 192.16. Sundard TC/PP Port Microsoft XPS Document Wri v Add Port. Delete Port Configure Port.
Brother DCP-1510 series St	Enable bidirectional support Enable printer pooling
Md 9 Pro 5G BTS.0 Mouse DESKTOP-QLSBB PJ sk dia Devices (1)	X2E1727 HECATE GM3 HUWVE Mate 10 Microsoft Sculpt One by Wacom Surface Type WN-T8Q786/RU Comfort Mouse Cover PQ
Boothar DCP-151 Color Managem W文平板 (13) Ayaliable port.8	0 saries Properties X and Device Setting X NDEC.
e PDF Adobe PDF Adobe PDF Converter DCP	M ranex Carolin Caro
New Port Ty 192.16. Stan 192.16. Stan OneNote 192.16. Stan 000000000000000000000000000000000000	pe. New Port. Cancel deal CCP/P Port deal CCP/P Port deal CCP/P Port
Add Port_ Enable bidirect	Port inductor, SF2 Exclusion with: * Delete Port Configure Port. sonal support pooling
Brother DCP-1510 series St Mo Categ	OK Canoel Apply
alB3M9 Pro 5G BT5.0 Mouse DESKTOP-Q 5K	LISBE FIZE1727 HECATE GM3 HUAVEI Mate 10 Microsoft Sculpt Comfort Mouse One by Wacom Surface Type WIN-TROTBORU PQ
Multimedia Devices (1)	other DCP-1510 series Properties X Color Management Security Device Settings
平安会议平板 > Printers (13)	General Sharing Ports Advanced Brother DCP-1510 series
Adobe PDF Adobe PDF Print	nt to the following port(s). Documents will print to the first free sched port. T Description Printer Microsoft XPS OneNote OneNote for Print Server TSC TDP-245 TSC TTP-24
Converter DCF	USB02 USB 透现打印周囲 bournent Writer (Dektop) Windows 10 1921.6. Standart TC/P Port 1921.6. Standart TC/P Port
发送至 OneNote 2010	Conference of Port Brother DCP-1510-series
Brother DCP-1510 series S	

Note: Please disable the "Enable bidirectional support" & "Enable printer pooling"

Now you can explore the printing via Bluetooth from Computer to the Printer.

3.3.2. Bluetooth Printing via Android OS

Note:

 If it is 3 USB Ports Bluetooth Print Server, please kindly note that it only supports <u>USB1</u> with Bluetooth function as shown as below:

Print Server Config Tool		0
LOYALTY -SECU make print sharing easy and free	Info	Device Parameter Network Config Firmware Upgrade Reboot
Device Info		
Device Name		Printer Server
Hardware Version		WN0x
Software Version		20210608.1
Running Time		20
Network Info		
MAC Info		08:00:27:00:01:92
WiFi Info		I
4G Reserve		I
USB Ports of Print Server		
USB1		Support Bluetooth function only
US82		9101
USB3		9102

 Please download "PrinterShare" from the APP Store or website: <u>http://www.printershare.com</u> into your Android smartphone first.

Before you start printing, you will need to make sure that Bluetooth is active on your Android device; also make sure that your Android device is paired with your printer. The first time you connect to your printer you will have to download a driver for it as well as document rendering libraries (Office or PDF) if you choose to print documents.

Make sure that Bluetooth is set to **On** in Android Settings.



Now that you are certain that Bluetooth is active, make sure that your Android device is paired with your printer in **Android Settings>Bluetooth**. (No pin code required)

Take your android device and open PrinterShare by tapping on its icon. If that is the first time you run PrinterShare, you will see a splash screen with two buttons: **Read More** (which will provide you with general information on PrinterShare's functionality) and **Continue.** Tap **Continue** once you are ready to proceed.

You will see the main PrinterShare screen with a grid of icons that allow you to access various items that can be printed. Below the grid of icons you will see an icon of a printer with **Printer Not Selected** text and **Select** button displayed beside it. To **select** your Bluetooth printer, press Select button.



Now, tap Nearby - Bluetooth button and wait for the app to detect your printer.

3	Select Printer
((;))	Nearby - WiFi
*	Nearby - Bluetooth
Ŷ	Nearby - USB
P	Google Cloud Printer
므	Remote Printer

When your printer is detected, tap it. The app will then ask for your permission to download a driver for it which will require at least 4MB on your SD card.



Tap yes and you will be ready to print once the app finishes downloading and installing the driver pack.

Here's the demo setting:

Step1: Connect the Bluetooth print server to the USB Printer via USB Cable

Step2: Power on the print server & USB Printer

Note: The Bluetooth print server will be named after the connected USB Printer and paired with your smartphone automatically as below images showing.

14:51 🛛 🗢 🛤 😴		14:52 🗢 🗖 😳		111 🛛 ¹¹ .et 🕈 📰	State PrinterSh	are Premium	1
< Bluetoo	th ⑦	<	Bluetooth	n (?)			31
Bluetooth	0	Bluetooth		0	Pictures	Contacts	Calendar
Bidetour	0	Device name		IQOO Neo5S 🗦		H	6
Device name	iQOO Neo5S >	Files received	via Bluetooth	>	Web Pages	Messages	Call Log
Files received via Bluetoot	h >				~		
Available devices	Search for devices	Paired devices			Gmail	Google Drive	Documents
DCP-1510 series		@ DCP-15	10 series	>			
		Available devic	es	Search for devices			
Current mobile device's Blueto 8C:49:B6:94:C1:F4.	ooth address:	No near	by Bluetooth de	vices found.			
		Current mobile d 8C:49:B6:94:C1:1	evice's Bluetoo F4.	th address:	Bluetooth Pri Print Server DC:00:30:C6:EF-6	inter c	Select
					=	D	<





More information, for Printing to a WiFi Printer or Network Printer, please refer to PrinterShare Online Support: <u>http://www.printershare.com/help-mobile.sdf</u>



Why PrinterShare? How it works Payment Options Privacy Policy Restricting Access Frequently Asked Questions Windows Remote Computer-to-Computer printing Automation & Security FAQ MacOS MacOS FAQ Printing from MacOS Android PrinterShare Free PrinterShare Premium Google Cloud Print Printing to Wi-Fi printers Printing to Bluetooth printers Printing via PC (LAN) Printing over the Internet Printing via USB Troubleshooting

Android FAQ

Mobile-Specific Topics

- 1. PrinterShare Free
- 2. PrinterShare Premium
- 3. Google Cloud Print
- 4. Printing to standalone Wi-Fi printers
- 5. Printing to standalone Bluetooth printers
- 6. Printing via an intermediate PC (LAN)
- 7. Printing over the Internet
- 8. Printing via USB
- 9. Troubleshooting
- 10. FAQ
- 11. Password reminder

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3.5. How to Config WiFi Printing via Android OS Device?

Note: Only support Android OS printing via WiFi

For more information about WiFi Printing via Android OS, please refer to PrinterShare Online Support: <u>http://www.printershare.com/help-mobile.sdf</u>

Remarks: As for APP "PrinterShare" only supports to add single port for mobile printing, for 3 USB ports print server, it recommends to use APP "**PrintHand**"

4. FAQs

4.1. Check if the Print Server already Connected to the Ethernet

Successfully or Not?

Steps: Click "Start" menu, and input "Run", or use the WIN+R key combination to call the run window, enter "cmd" in the Run window, click "Ok"

💷 Run		×
٨	Type the name of a program, folder, document, or In resource, and Windows will open it for you.	ternet
Open:	cmd	~
	OK Cancel Brow	vse
nput PING	S xxx.xxx.xxx.xxx (print server's IP address)	
(Notes: Th	ere must have a space between PING and the IP addre	ess)
C:\WINDO	WS\system32\cmd.exe	
Connect	AN edepter WIAN.	
Connect Link-lo IPv4 Ad Subnet Default	ion-specific DNS Suffix . : DHCP HOST cal IPv6 Address : fe80::4fd:6f7c:d033:407 dress : 192.168.0.104 Mask : 255.255.255.0 Gateway : 192.168.0.1	8%7
C:\Users\H	ailey>ping 192.168.0.134	
Pinging 19 Reply from Reply from Reply from Reply from	2.168.0.134 with 32 bytes of data: 192.168.0.134: bytes=32 time=23ms TTL=64 192.168.0.134: bytes=32 time=9ms TTL=64 192.168.0.134: bytes=32 time=10ms TTL=64 192.168.0.134: bytes=32 time=18ms TTL=64	ns IP address of print server ted
Ping stati Packet Approximat Minimu	stics for 192.168.0.134: s: Sent = 4, Received = 4, Lost = 0 (0% loss), e round trip times in milli-seconds: m = 9ms, Maximum = 23ms, Average = 15ms	

C:\Users\Hailey>

4.2. How to Check if Your USB Printer supports RAW Protocol or Not?

Manage vour dev	ice	Brother DCP-1510 series Properties	Configure Standard TCP/IP Port Monitor
Printer status: Defaul	t, Error	Color Management Security Device Settings General Sharing Ports Advanced	Port Settings
Open print queue	Set as default	Brother DCP-1510 series	Port Name: 192.168.0.105_1
Print a test page Run the troubleshooter		Print to the following port(s). Documents will print to the first free checked port.	Protocol © Raw
Printer properties	0	Port Description Printer ^ 192.16 Standard TCP/IP Port Brother DCP-1510 series ^ 192.16 Standard TCP/IP Port Brother DCP-1510 series ^ 192.16 Standard TCP/IP Port Brother DCP-1510 series ^	Raw Settings Port Number: 9100
Hardware properties		□ PORTP. Local Port Microsoft XPS Document Wri □ PORTP. Local Port 发送至 OneNote 2010, OneN □ Micros App Monitor OneNote for Windows 10 □ Deptite Adaba BPS	UPR Settings Queue Name
Get help		Docum., Adobe PDF Adobe PDF 3	LPR Byte Counting Enabled
		Add Port Delete Port	Community Name: public
		Enable bidirectional support	SNMP Device Index: 1

Confirm the printer's default data format" RAW" via "Printer Properties"

4.3. How to Confirm the Print Issue of Document Pending?

Right-Click the target Printer, Choose" See what's printing", Click the "Printer", Check whether disable the "Use Printer Offline" option as shown as below:

To Devices and Prin	ters			6		
$\leftarrow \rightarrow \cdot \uparrow i$	🕅 « Hardware and Sound > Devices a	nd Printers 🔍 🖏	Search Devices an	d P., P		
Add a device	Add a printer See what's printing	Print server properties		. 0		
Printers (5)						
	See what's printing Set as default printer Printing preferences Printer properties	8			Brother HL-L2340D Printer Offline Document View Connect Status Owner Pages Size	- 🗆 X
Brother HL-L23400 series Printer	Create shortcut	Int Microsoft XPS Document Writ	send To er OneNote 2	016	 Set As Default Printer Printing Preferences 	
	Properties				Sharing	
S Bro	ther HL-L2340D series Printer Sta Mod Catego	te: 🥥 👗 lel: Brother Laser Type I Clu ry: Printer	iss Driver		Properties Proper	>

Note: If there are showing some documents are in the queue, please delete all of them.

Printer Document View				-
Document Name	Status	Owner	Pages	Size
Microsoft Word - Document I Have No Super Feelings About.docx	Spooling	wjgle	1	9.28
Microsoft Word - Super Stupid Document.docx	Spooling	wjgle	1	9.24
Microsoft Word - Super Important Document.docx	Spooling	wjgle	1	9.24
<				>
3 document(s) in queue				

4.4. Why don't We Suggest Using DHCP to Obtain an IP Address?

It is easy to forget the IP address and may assign a different IP address for the print server if we use DHCP to obtain an IP address for the print server.

4.5. Why can't the Print Server Config Tool Recognize Print

Server via Windows OS?

After being connected to the computer, the print server will automatically power on and start. The entire startup process takes about 20 seconds, then the print server config tool will display a USB sign in the lower-left corner, indicating that the config tool has been identified as the print server as shown as below:

fo	
evice Name Reconvect	z Refresh
ardware Version	and he was and a
offsvare Version	
urving Time	
info	
AC Info	
ifi Info	
S Reserve	
s of Frint Server	
581	2
882	r r
98.1	

4.6. Why the WiFi Print Server cannot be connected via Network Connection Method?



Solution 1: Long Press the "Reset" Button of the print server for 5 seconds.Solution 2: Make Sure the Wired Network Config Default Mode is "Obtain an IP Addr via DHCP"

Via USB Cable

make print sharing easy and free	Info	Device Parameter	Network Config	Firmware Upgrade	Reboot	
Wired/WiFi Network Confi	9	0				
1. Wred Network Con	* a					
Obtain an IP	Address	2. Obtain an IP Add	ź via DHCP	~		
1P Addr						
Subnet Mask						
Gateway						
				-	1	

4.7. Check Whether Disabled the "Enable bidirectional support"

As shown as below:	5	•. ()	×
General Sharing Ports Ad	vanced Color Management	Security 配罟	
HP LaserJet 1020		Sconty BLIE	_
Print to the following port(s checked port.	i). Documents will print to Description	the first free Printer	^
COM4: FILE: WSD-3be1f116-096d	Serial Port Print to File WSD Port		
✓ 192.168.1.128 □ PORTPROMPT:	Standard TCP/IP Port Local Port	HP LaserJet 1020 Microsoft XPS Docu	
🗌 IR	Local Port		~
<		>	
Add Por <u>t</u>	<u>D</u> elete Port	<u>C</u> onfigure Port	
Enable bidirectional supper Enable printer pooling	ort 1 Cancle this	option	
	OK Cance	el <u>A</u> pply	Help

Option or Not

4.8. Check Whether the Print Server Scanned the Complete

WiFi Internet Name

As shown as below:

Eg: When need to connect the print server to **WiFi Internet "Vodafone Superior"**, because there has a space between "Vodafone" and "Superior", after clicking the "**Scan**" button, the print server only gets the WiFi internet name before the space (**Vodafone**), so the user needs to fill in the complete WiFi Internet name "Vodafone Superior" manually, as below image shows:

hoose Available WiFi Internet	Vodafone 🔸 Vodafone Superior 🔽	Scan
WFI Password	Vodafone Camera 	13
Obtain an IP Address	Vodafone-Wifi	
IP Addr	192,168.1.20	
Subnet Mask	255.255.255.0	
Gateway	192.168.1.1	
DNS Addr	192.168.1.1	Save

Remarks: Only the WiFi internet name and password is correct, after being assigned an IP address for the WiFi print server, this device can be found in your LAN internet.