

Shenzhen Datong Youlian Technology Co., Ltd.

# NP33x Operation Guide

Operation Manual / Configuration Tool Instructions / Driver Installation

xuelin shen 2021-06-03

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# NP330/NP332 User Manual

#### **Important Notice**

Thank you for purchasing the "Network Print Server" product (hereinafter referred to as the print server) produced by Shenzhen Datong Youlian Technology Co., Ltd. Before installing and using the product for the first time, please read this statement carefully so that you can better understand and use this product.

# Disclaimer

We are committed to continuously improving product functions and improving service quality, so this manual is based on the existing functions of the print server and will be updated with software upgrades. Its contents are subject to change without prior notice, please go to our official website to download the latest version of the manual.

We have made every effort to ensure the accuracy and reliability of this manual when writing this manual, but accept no responsibility for loss or damage caused by omissions, inaccuracies or typographical errors in this manual.

# **Copyright Notice**

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# **Technical Support**

We provide online remote support services. If you encounter any problems during the use of the product, you can call our service hotline at any time: 0755-28070734 or consult through the corporate QQ : 583321805. You can also log on to our official website: www.datongsmart.com to keep abreast of the latest product developments and downloads Required technical documentation. For details, please refer to the content of the customer service section in the function introduction in Chapter 2 of this manual.

# **1** Introduction

# 1.1 Purpose of writing

The purpose of this user manual is to describe various operations and functions of the NP330/NP332 print server, so as to guide users to use this product more quickly and correctly. The manual is divided into the following parts: Introduction, Function Introduction, User Manual, Computer Configuration User Manual and Mobile Version User Manual.

# **1.2 Explanation of terms**

Configuration tool: refers to the tool software on the computer side, mainly for setting the parameters of the print server.

AP : Refers to the wireless WIFI network hotspot. The print server with WIFI function can connect to the AP wirelessly.

# **2 Product Description**

# 2.1 Product function description

The print server mainly provides network printing support for USB printers. Computers and mobile phones in the intranet can be connected to the print server through the network (network cable, WIFI) to print.

# 2.2 System framework and composition

2.2.1 Typical applications



# 2.3 NP330 Product Description

2.3.1 Interface description



# 2.3.2 Indicator light description



# 2.4 Indicator light description

#### 2.4.1 Interface description



# 2.4.2 Indicator light and reset button



# **3 Configure the print server**

# 3.1 USB connection

The USB cable provided by the print server can be used as power supply for the product, and it can also communicate with the computer. When connecting with the computer, the parameters of the print server can be set by means of USB.

The configuration tool provided by our company is the WINDOWS version, so the MAC system is not suitable for USB connection.

The USB connection can provide users with all function settings. When the print server cannot work normally or cannot connect to the network normally, the print server can be re-configured through USB.

WINDOWS users are recommended to use this method to connect for the first time.

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# 3.2 Network cable connection

When the factory network port default DHCP state, when the network cable, automatically from the router (DHCP assigned a dynamic server) IP address, the user may router or DHCP terminal list server, a query to the current print server IP address, when the print server is normally connected to the network, the user can connect through the network through a browser or a configuration tool (WINDOWS version). MAC systems can only be connected through a browser.

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

# 3.3 Instructions for setting tools (WINDOWS version)

The configuration tool software is an installation-free software. After downloading and decompressing, you can run it directly.

file description

Name	Date modified	Туре	Size	
css	2/25/2022 10:17 PM	File folder		
InstallWizard	2/25/2022 10:17 PM	File folder		Printer Install wizard software
🔒 language	2/25/2022 10:17 PM	File folder		
subprog	2/25/2022 10:17 PM	File folder		
📓 config.ini	2/25/2022 10:18 PM	Configuration sett	1 KB	
🌍 PTS.exe	2/25/2022 10:17 PM	Application	20,233 KB	Config software
🖅 vhui32.exe	2/25/2022 10:17 PM	Application	4,894 KB	
🔝 vhui64.exe	2/25/2022 10:17 PM	Application	5,600 KB	

After running the configuration tool, the operating system may prompt you to allow access to the network. If you use network configuration, you must allow network access before the configuration tool can obtain a list of print servers on the network.

After running the configuration tool, the first step will prompt the user how to connect to the print server, as shown in the following figure:

nter server config tools							- 🗆	$\times$
	Home	System	Network	Update	Reboot		CHS ENG	
System infomation								
Device name Hardware version Software version RunTime						Connect	Refresh	
Network infomation		Connect type						
eth0 interface wlan interface 4G interface USB printer infomation		_	connection type: 3 cable to connect work connection		-			
USBO		Use MQ	TT connection		-1			
USB 1	l		Apply		_			
USB2								
USB3								

# 3.3.1 Connect using USB

When the user uses the USB connection, the software will wait for the print server to connect to the computer. When the USB is recognized by the computer, the word USB will be displayed in the lower left corner of the software .

nis PC ⇒ De	eskt 🤍 print	er server config tools							- 0	ۍ ×
Name			Home	System	Network	Update	Reboot		CHS ENG	
css	-IDA	System infomation								
lang		Device name						Connect	Refresh	
subp		Hardware version								
💿 conf 😚 PTS.		Software version								_
🗊 vhui		RunTime								_
🔝 vhui	i64.«	Network infomation		Wait for usb connect			×			
		eth0 interface			Use a TYPE-C	JSB cable to connect				
		wlan interface		FO		$\sim$				_
		4G interface		d.	1					_
		USB printer infomation								_
		USB0				$\langle 0 \rangle$				
		USB1			and the second	<u> </u>				
		USB2								
		USB3								
								Manual Inci	tallation Wizard	
				ect by Network		WIN64		manual Inst		

#### 3.3.2 Connect using the network

When the user selects the network connection, the software will pop up the monitor window of the print server, waiting for the print server to go online. When a print server goes online, the list in the window will list the IP address of the print server in the current network. As shown below

C > Deskt 🦁	printer server config tools		- 🗆 X
Name		Home System Network Update Reboot	CHS ENG
css InstallW	System infomation		
languag subprog	Device name Hardware version		Connect Refresh
📄 config.i 🌍 PTS.exe 🖅 vhui32.(	Software version RunTime		
🗊 vhui64.«	Network infomation	Find a print server on the network	
	eth0 interface wlan interface 4G interface		
	USB printer infomation	Please select a print server 192, 158, 1, 125	
	USBO	192.168.1.131 192.168.1.126 192.168.56.1, 192.168.1.7	
	USB1		
	USB2		
	USB3		
			Manual Installation Wizard
		WIN64	Mariuai Iristallation Wizaro

In this window, select the IP address of the print server that needs to be set to connect. The IP in the figure is subject to the actual situation.

#### %Notice

The print server is a product with an operating system, and it takes about 20 seconds to start up from power-on to ready . Please wait.

3.3.3 Configuration tool software interface description

Configuration tool subsystem information, system parameters, network configuration, firmware update, restart . 5 large modules

system message:

Mainly display the information of the current print server, such as running time, network, USB interface, etc.

# System parameters:

In this function module, you can modify the print server name, MAC address, print output mode, and the network print service port corresponding to the USB port.

# Network Configuration:

Provide to modify the IP address of the print server, products with WIFI function can configure WIFI network. Users can use DHCP or manually assign IP addresses to configure, WIFI and network ports need to be configured separately.

# Firmware update:

Provides the function of updating the firmware of the print server. When users need to update the firmware, they can contact our customer service to obtain the latest firmware package.

# Reboot:

You can restart the print server through the tool software.

inter server config tools						J
	Home System	Network	Update	Reboot	CHS ENG	
System infomation						
Device name	PrinterServer			Connect	Refresh	
Hardware version	NP33x					
Software version	20220113.1					
RunTime	2191					
Network infomation						
eth0 interface	192.168.1.13	1   08:00:27:1e:b5:78				
wlan interface	I.					
4G interface	I.					
USB printer infomation						
USB0	9103					
USB1	3f0/2b17/10 9100 MFG:Hewlett		1020;CMD:ACL;CL	S:PRINTER;DES:HP LaserJet 1020;	;	
USB2	9101					
USB3	9102					
				Man	ual Installation Wizard	
192.168.1.131	Connect by Network	NP0G0B22012536	WIN64			

# 3.3.4 System parameters:

#### Device name:

When there are multiple print servers in the network, it is recommended to modify the device name, which can be quickly found when the mobile phone searches for the print server.

#### Print transfer mode settings:

The system defaults to output directly to the printer. When the printer has higher requirements for data transmission, you can choose to output it to the printer after receiving it.

#### Modify the MAC of the network port :

The MAC addresses of the network ports of the print server are all the same when they leave the factory. When there are multiple network cables connected to the print server in the network, the MAC address needs to be modified to ensure that the MAC address is not repeated. Otherwise, the network of the print server will lose serious packets. Even the possibility of network failure. If you use WIFI to network, you don't need to worry about it.

#### USB port configuration:

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NP330 only supports one USB interface, which is USB0, and the system defaults to 9100. The user can modify this port. When the user modifies, it needs to be modified on the port page of the printer driver.

NP332 can support up . 3 th USB interface, the corresponding port is USB1 , USB 2 , USB3 , then if only one printer, the access USB1 in. This 3 Ge USB port number can not be re-copied.

Range of changeable port numbers: 9100~65535

erver config tools			-
DATONGSMART Home	System Network I	Update Reboot	CHS EN
System config			
Device name	PrinterServer	Modify	Remote printing parameter
Transmission mode	Real-time mode ~	Modify	
Auto Reboot	auto restart off V	Modify	
Socket Recv TimeOut	20	Modify	
Auto Heartbeat	Disable ~	Modify	
mDNS Enable	Disable	Modify	
Modify eth0 MAC addr	08:00:27:1e:b5:78	Modify	
	When there are multiple print servers in the	network,	
USB port config			
USB0 corresponds to SOCKET port	9103	]	
USB1 corresponds to SOCKET port	9100	]	
USB2 corresponds to SOCKET port	9101	]	
USB3 corresponds to SOCKET port	9102	Modify	
68.1.131 Connect by		WIN64	

#### 3.3.5 Network Configuration

Network port configuration:

Users can configure the cable interface network parameters, such as IP, etc., if the manually assigned IP address, assigned in a network does not use IP addresses. Do not enter if using DHCP. It is recommended to use manual allocation for configuration. When the network cable is connected for the first time, an IP is automatically allocated, and this IP can also be used as a fixed IP address. Just modify the DHCP to automatically obtain the IP address as "fixed IP address". That's it. Click "Modify" to complete the setting.

# WIFI configuration:

When the product supports the WIFI function, the user can connect with the user's WIFI network by setting the WIFI parameters of the print server.

Click the "Scan" button, the print server can scan to nearby WIFI hotspots. Select the corresponding WIFI hotspot and enter the WIFI password. When a fixed IP address is required, please enter an IP address that is not used in the network. You can also use DHCP for automatic acquisition, but it is not recommended to use DHCP, unless you can set the IP address assigned by DHCP to static allocation through the router settings.

server config	tools						— C
	IGSMART Home	System	Network	Update	Reboot		CHS ENG
Network cor	fig						
Set the net	work parameters of the network cal	ble port					
	eth0 config						
	DHCP automatically assigns IP	DHCP dynamic IP		$\sim$			
	IP Addr	192.168.1.131					
	Netmask	255.255.255.0					
	Gateway	192.168.1.1					
	DNS Addr	192.168.1.1			Modify		
	wlan config						
	Choose WIFI hotspot	Press Scan AP butto	on to Scan WIFI	$\sim$	Scan AP	Use UTF8 code	
	Wifi Password	p4uxbprv					
	DHCP automatically assigns IP	DHCP dynamic IP		~			
	IP Addr						
	Netmask						
	Gateway	192.168.1.1					
	DNS Addr	192.168.1.1			Modify	Enable WLAN	Disable WLAN
.168.1.131	Connect by	Network NP0	G0B22012536	WIN64			

# 3.3.6 Firmware update

Users can use this function to update the firmware of the print server.

Click "..." to open the firmware file that needs to be updated, click "Update" to complete the operation, after the update is completed, you need to restart the print server to take effect.

DATONGSMART Home	System	Network Update	Reboot	CHS E
Software Update				
	1 choose a fi	le to update		
Please select the file that needs	-			
	Update			
Get updates from the internet				
	Start the update prog	ram		
	Start the update prog	ram		^
	Start the update prog	ram		^
	Start the update proc	ram		^
	Start the update prog	ram		^
	Start the update prog	ram		^
	Start the update proc	ram		^
	Start the update proc	ram		^
	Start the update proc	ram		~

# 3.3.7 Restart

G

The user can restart the print server through the software.

	Home S	System Network	Update	Reboot	CHS EN
Reboot System					
Reboot de	vice Re	boot			
Third party program					
Virtual USB port softw	are Sta	rt Up			
		v.virtualhere.com/usb_client_	software		

%At this time, the configuration of the print server is basically completed. If it is connected by USB, unplug the USB cable from the computer, connect it to the USB power supply provided by us, and connect the USB cable of the printer. If it is a network connection, please connect the Internet line.

# 4 Install the computer printer driver

Preparations before installing the printer driver on the WINDOWS computer :

- 1. Please ensure that the network connection of the print server is normal
- 2. Please turn on the printer, and connect the USB cable to the USB port of the print server normally .
- 3. Prepare the driver of the printer, which may be used in the process of installing the driver

\* The following will take the HP1020 printer driver installation as an example, and the installation methods of other printers are the same. Please note the distinction.

%The following installation process will be carried out on the version of WINDOWS 10, the system of other versions is slightly different, please pay attention to the distinction.

The printer driver of the computer can be installed in two ways. The first way is to use the printer installation wizard that comes with WINDOWS. Starting from chapter 4.1, the second way is to use the printer installation wizard program we provide to install the printer, which simplifies adding Printer steps are recommended.

# 4.1Now start the installation

Open the computer's settings, start menu→Devices→Printers and Scanners→ Add a printer or scanner,

as shown l	below	
	← Settings	
:	🔅 Home	Add printers & scanners
[	Find a setting $ ho$	+ Add a printer or scanner O Click Add a printer or scanner
C	Devices	
L.	🛱 Printers & scanners 🏮 Choose this me	nu inters & scanners
ſ	Connected devices	Canon MF4700 Series Driver is unavailable
	Mouse & touchpad	Fax
ſ	Typing	HP Lacerlet 1020

At this point, the computer will look for the printer operation, wait for a while, click "The printer I want is not in the list"

← Settings	
Home	Add printers & scanners
Find a setting	ک Refresh
Devices	Searching for printers and scanners
B Printers & scanners	
🖅 Connected devices	The printer that I want isn't listed 1 Click this button
Mouse & touchpad	Printers & scanners

After clicking, enter the printer installation interface, select "Add a local printer or network printer by manual setting", and then click "Next"

As s	ho	wn below:
	$\leftarrow$	Settings

Ø Home	Add printers & scanners
Find a setting $\rho$	0 Refresh
Printers & scanners	The prin $\leftarrow = \bigoplus$ Add Printer
Connected devices	Printe Find a printer by other options
① Mouse & touchpad	OMy printer is a little older. Help me find it.     Oselect a shared printer by name
Typing	Browse
AutoPlay     AutoPlay	Example: \computername\printername or http://computername/printern
🖞 USB	Add a Bjuetooth, wireless or network discoverable printer     Add a Bjuetooth, wireless or network discoverable printer     OAdd a Cal printer or network printer with manual setting     Octoose this option
	Next Cancel
	Let Windows manage my default printer

At this point, you need to select or add the port of the printer. If you have added the port of the print server before, please select it directly (the premise is valid)

If not, you need to add a new port, we need to select the port type as: Standard TCP/IP Port

	Add printers & scanners	
Find a setting	Refresh	
levices		x
B Printers & scanners	The prin 🗧 🖶 Add Printer	
Connected devices	man and a second s	ou dose created prot,please select it.else choose "Create a new port"
Mouse & touchpad	<b></b> (	llows your computer to exchange information with a printer.
Typing	F © Create a new port: Type of port: Standard	nuiter Port)
AutoPlay		d TCP/IP Port v elect this option"Standard TCP/IP port"
Ö USB		
		Next Cancel

After clicking "Next", the IP address addition window will appear, as shown in the following figure: In this window, enter the IP address of the print server, the port name (optional), and uncheck "Query the printer and from ...",

Click "Next"

🗧 🖶 Add Printer	
Type a printer hostnam	ne or IP address
Device <u>type</u> :	TCP/IP Device
Hostname or IP <u>a</u> ddress:	192.168.1.131 <b>()</b> input printerserver's IP addr.
Port name:	192.168.1.131
Ouery the printer and auto	omatically select the driver to use

he system will query the port of the printer for a while, and after a while, the interface as shown in the figure will appear.

Click "Next" to enter the printer driver selection window.

Let Windows manage my default printer

		×			
÷	🖶 Add Printer				
	Additional port information required				
	The detected device is of unknown type. Be sure that: 1. The device is properly configured. 2. The address on the previous page is correct.				
	Either correct the address and perform another search on the network by returning to the previous wizard page or select the device type if you are sure the address is correct.				
	wizard page of select the device type if you are sure the address is correct.				
	Device Type				
	O Standard Generic Network Card				
	Custom     Settings				
	Choose "Custom" option				
	Next Cance	9			

In the printer driver model window, select the corresponding printer driver. If the printer model is not found in the default list, please click "Install from Disk" to find the previously prepared printer driver file directory. The extension of the driver is generally xxxx .inf ends.

instal	I the printer drive	r		
Choose your printer from the list. Click Windows Update to see more models.				
	To install the driver	from an	installation CD, click Have Disk.	
	choose your			
	facturer	^	Printers	í
Gener	-		HP Color LaserJet 1600 Class Driver HP Color LaserJet 2500 PCL6 Class Driver	
HP	ure		HP Color LaserJet 2500 P Closs Driver	
InfoP	rint		HD Color Lacerlet 2550 DCI 6 Class Driver	
infat.	-	¥	<	>
( infats				

This example printer HP1020 is already in the list, so just select it.

		×
←	Add Printer	
	- · · ·	
	Type a printer name	
	Printer name: HP Color LaserJet 1600 Class Driver	
	This printer will be installed with the HP Color LaserJet 1600 Class Driver driver.	
	<pre>1 &lt; click "Next"</pre>	
	<u>N</u> ext Cance	

Here, keep clicking Next until the installation is complete.

# 4.2 Install the printer using the dedicated printer installer

We provide a matching printer installation wizard program, users can use this software to automatically discover the print server in the network and the connected printer model, and the program will automatically add the printer's network port and driver for the printer. It is recommended to use this tool to add, it will reduce your steps to install printing.

The directory of the software is shown in the following figure:

	修改日期	类型	大小
📙 language	2021-09-24 21:30	文件夹	
system	2021-09-24 21:02	文件夹	
📕 vbs	2021-09-24 8:34	文件夹	
🚔 InstallWizard.exe	2021-09-24 22:20	应用程序	13,888 KB

InstallWizard.exe is the execution program, please run the program and follow the prompts to install.

※ When the software runs for the first time, the firewall of the computer may prompt whether to allow this software to use the network, please click "Allow", if you accidentally click to block, you can copy the software directory to another directory, reopen it, or open it in WINDOWS settings in the firewall.

※ It should also be noted that the installation software and the configuration tool use the same port. When using this software, please close the configuration tool first.



en the software is opened, the software will automatically obtain the print server in the network.

Select the printer y	ou want to add to this compu	ter	
Gelect printer			Find by IP
PrinterServer	Model	IP Addr	Port
Print	rd		×
PTS Your cur	rent print server is automatically assig	ned an IP address. It is ool to set the IP address to a fix	ed IP
	ended to use the PTS configuration to		

After selecting the print server and printer, click "Next" to enter the printer driver selection. On the driver selection page, the software can obtain the printer model, and there is a printer driver on the computer, the software will automatically find the corresponding driver. When there is a driver in the corresponding printer type that cannot be found in the list, the user can specify the driver file in the disk, and the file extension is INF file. As shown below:

After selecting the driver file, click "Next" to enter the page of installing the printer. This page includes the configuration of the printer network port and the printer name. Users can modify the parameters such as the port name and the printer name, as shown in the following figure:

Name	Date modified	Туре	Size		
📙 language	2/25/2022 10:17 PM	File folder			
, system	2/25/2022 10:17 PM	File folder			
vbs		PD 7 11			
A InstallWizard.exe	🚔 PTS Printer Install Wizard	1		-	
		printer from the lis lose to install from Pr HF HF HF HF HF	t. If your printer model is not fou disk and manually select the print select your print LaserJet 1020 LaserJet 1022 LaserJet 1022n LaserJet 1022nv LaserJet 1018 Deskjet Infk Adv 2010 K010 Clas	ter driver (Sinf)	CHS ENG
	EKC	h.d.	Deskjet 2000 J110 series Class I Deskiet 2000 1210 series Class I		~
	https://www.drvsky.com/			Load the driver fr	om the disk
			Previo	ous Next	Cancel

Name	Date modified Type Size	
language	2/25/2022 10:17 PM File folder	
system	2/25/2022 10:17 PM File folder	
vbs	A PTS Printer Install Wizard -	X
🚔 InstallWizard.exe		
	DATONGSMART CHS	ENG
	Confirm printer installation information	
	Port infomation	
	Port Name : HP Laser Jet 1020_192.168.1.131_9100	
	IP Addr : 192.168.1.131 Port Number : 9100	
-	Printer Driver infomation	
	Printer Display Name : HP LaserJet 1020	
	Display device and printer window	
	After the installation is complete, open the printer properties	
	Start to install the printer driver 2 Click this button to install p	rinter
	Previous	

%If the installation fails, please use the method of installing the printer in the previous chapter to install it.

※ After the installation is completed, you need to modify the printer properties, please refer to the next chapter. (important)

#### 4.3 Modify printer properties

After the printer is installed, please check whether the following printer parameters are correct, as shown in the following figure:



※Need to cancel "Enable Bidirectional Support"

%Check whether the current print data type is RAW

Devices and P	rinters	- O X
< > * 1	B HP Laser/et 1020 Properties	× v ひ Search Devices and Printers ア
Add a device	General Sharing Ports Advanced Color Management Security 配置	E • (
DESKTOP-HN <sup>*</sup> K8 V Multimedia	Always available     Available from     12:00 AM     To     12:00 AM     12:00	Print Processor X Selecting a different print processor may result in different options being available for default data types. If your service does not specify a data type, the selection below will be used. Print processor Default data type:
sales_01的短垂 放器	Spool print documents so program finishes printing faster     Start printing after last page is spooled     Start printing immediately     Print directly to the printer	Pine processor:     Default data type:       HP1020PrintProc     RAW       Winprint     IMF       1     Modify default data type:RAW
Canon MF47( Series	<ul> <li>Hold mismatched documents</li> <li>Print spooled documents first</li> <li>Keep printed documents</li> <li>Enable advanced printing features</li> <li>Printing Defaults</li> <li>Print Processor</li> <li>Separator Page</li> </ul>	OK Cancel
Series .	OK Cancel Apply H Category: Printer Status: 0 document(s) in queue	elp

HP1020 is a special printer. After installation, it defaults to IMF , so it needs to be manually changed to RAW . At present, most printers on the market support RAW . Under normal circumstances, no modification is required. It is best to confirm after installation.

So far, the printer has been installed, click General 
Print Test Page to print normally.

# 4.4 Troubleshooting

1. To check whether the network of the print server is normal, you can use the PING command that comes with WINDOWS to PING the IP of the print server.

WIN+R key combination 

Enter CMD 
Enter PING xxx.xxx.xxx.xxx

2, Check if the printer properties uncheck "Enable bidirectional support"

3 . Check if the default data format of the printer properties is RAW

4. To check whether the printer is offline, you can select the printer  $\Box$  Right mouse button  $\Box$  View what the printing is doing  $\Box$  In the window that appears, select the menu "Printer"  $\Box$  Remove the check in front of "Use Printer Offline" (just click it), If there are print jobs in the print job, please delete all print jobs.



5. For some printer models, such as Canon's LBP2900+ system and EPSON PHOTO xxx series, since the printer driver does not support network printing, you need to use the virtual USB port in the fifth section to connect. For details, please refer to Chapter 5.

# 5 scan support

Since the scanning mode is very different from printing, the supporting scanning software of many printers does not support network scanning, so it is necessary to use the virtual USB port tool VirtualHere, which is small and does not need to be installed. There is a distinction between 32 -bit and 64 -bit versions. The corresponding operating system software version is automatically opened through our configuration tool software, and users can also manually open it. The 32 -bit and 64 -bit software versions are in the same directory as the configuration tool program, as shown in the following figure:

Name	Date modified	Туре	Size
css	2/25/2022 10:17 PM	File folder	
InstallWizard	2/25/2022 10:17 PM	File folder	
📙 language	2/25/2022 10:17 PM	File folder	
📙 subprog	2/25/2022 10:17 PM	File folder	
🔊 config.ini	2/25/2022 10:18 PM	Configuration sett	1 KB
😚 PTS.exe	2/25/2022 10:17 PM	Application	20,233 KB
🔝 vhui32.exe	2/25/2022 10:17 PM	Application	4,894 KB
🔝 vhui64.exe	2/25/2022 10:17 PM	Application	5,600 KB

# 5.1 Open the configuration tool of the print server

Open PTS, there is a third-party application in the "Restart" page of the tool software, click "Start", the system automatically selects a 32 -bit or 64 -bit application according to the current operating system version. As shown below:

	Home	System	Network	Update	Reboot		CHS EN
Reboot System						 	
Reboot	device	Reboot					
Third party program						 	
Third party program Virtual USB port so		Start Up	om/usb_dient_software			 	

# 5.2 Open the tool software directly

Enter the root directory of the configuration tool software, find vhuixx.exe , the user chooses 32 -bit or 64 -bit according to their own computer system , 32 -bit choice: vhui32.exe , 64 -bit operating system choose vhui64.exe

# 5.3 Description of Virtual USB Tool

Note: When using it for the first time, the software will prompt you to install the Apple Bonjour plug-in additionally. This is an automatic network discovery protocol developed by Apple, and you can choose to install it. After opening the software, the following figure is shown:



In the picture, you can see the MFP connected to the print server. This article lists the Canon MF4450 as an example. It can be seen that the MF4450 has appeared in the list.

# 5.3.1 Set VirtualHere software language

On the top-level directory of the software, right-click, select "Advanced Settings...." to enter the advanced settings of the software,



# 5.3.2 Connecting the Scanner

Select MF4450 in the software (depending on the actual situation), right-click the mouse, select connect this device, the system will automatically virtualize a USB port for the printer, some old models of computers will automatically install the printer / scanner driver, use It's the same as connecting directly to a computer via USB. For some newer models of printers, just install the printer / scanner driver normally.





# 5.4 Troubleshooting VirtualHere

When opening VirtualHere, the system reports that the xxxx file is missing, as shown in the figure below, you need to download the VC++ runtime library. Users can download and install the corresponding library in Baidu query.