# **Dongle-sized Wireless Print Server**

# **Quick Installation Guide**

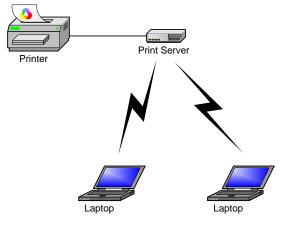
V1.1

### Before you start, you should prepare the following items:

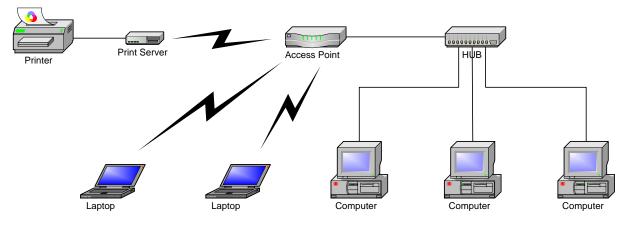
- Windows-based computer with print server setup CD
- Printer
- Printer cable
- One 802.11b/g Access Point (optional)

#### Wireless Network with Print Server:

Ad-Hoc mode (Peer to Peer) – Factory Default:



Infrastructure mode (Access Point):



## **Factory Default Settings:**

- Username: admin
- Password: 0000
- Wireless Mode: Ad-Hoc (Peer-to-Peer)
- Channel: 6
- SSID: WLAN-PS
- IP Address: 192.168.0.10
- Subnet Mask: 255.255.255.0

### Hardware Installation:

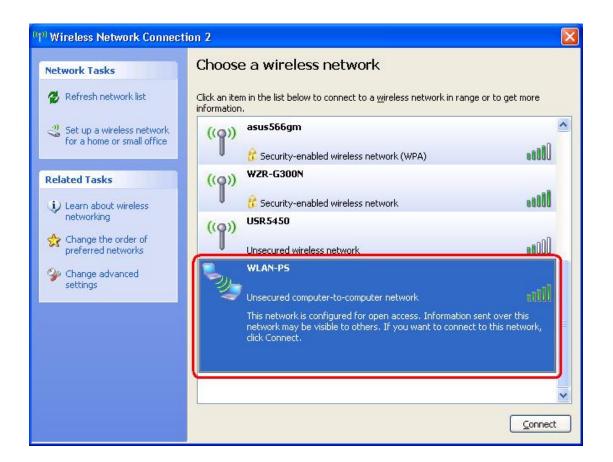
- 1. Turn off the printer's power.
- 2. Connect the print server to your printer with the supplied printer cable.
- 3. Turn the printer's power on.
- 4. Plug the AC power adapter into the power connector on the print server.
- 5. Wait 40 seconds as part of the print server's Power On Self Test (POST).

#### Prepare Your Computer to Connect Wireless Print Server first (Wireless Ad-Hoc Mode):

1. Please specify a proper IP address for your wireless adapter, e.g.192.168.0.101.

ernet Protocol (TCP/IP) P ieneral	ropernes
	l automatically if your network supports ed to ask your network administrator for
OUse the following IP address	
IP address:	192.168.0.101
S <u>u</u> bnet mask:	255 . 255 . 255 . 0
<u>D</u> efault gateway:	12 II II
O Obtain DNS server address	automaticallu
O Use the following DNS server	0.4 880.8 9 9 9 9 8 8 <b>8</b> 9 4
Preferred DNS server:	
Alternate DNS server:	
	Advanced
	OK Cancel

2. Find the wireless print server by Windows Zero Configuration or vendor utility of wireless adapter. Then click **Connect**.



### Software Installation:

- 1. To enable network communication with print server, your computer must have a proper IP address, e.g. 192.168.0.100 (the print server's default IP is 192.168.0.10)
- 2. Insert the setup CD into your CD-drive. The autorun program will be started.
- 3. Choose **Setup Wizard** to install the print server and configure the connected printer.



4. Click Next, the wizard will automatically discover the print server.

	Welcome to the Network Print Server Setup Wizard
Welcome	This Wizard guides you through the installation of the Network print server that is connected to the local area network on this computer.
elect A Print Server	
Change Settings	Before you proceed, make sure the print server and the printer are
Configure Wireless	properly connected and turned on.
Configure TCP / IP	
Save Settings	To continue, click Next.
Select a Printer	
Summary	Version 0.95.01
Complete	

5. From the **Select A Print Server** screen, select the print server port that you want to configure and click **Next**.

Network Print Server Setup 1	Vizard				×
<b>ਸ</b>	Select A	Print Ser	ver		
Welcome			g print servers on th o set up from the lis		
Select A Print Server	Detected print serv	ers on your loca	I network :		
Change Settings	Device Name 1P_PrintServ5C	IP Address 192.168.0.10	MAC Address	Port Status U1 Ok	
Configure Wireless					
Configure TCP / IP					
Save Settings					
Select a Printer	<				
Summary	If the print server yo check the connecti			Refresh(R)	
Complete		int server to initi	been turned on, it m alize before it can bi		
			< Back	t > Cance	

6. On the **Change Settings** screen, select **No** or **Yes**:

Network Print Server Setup	Wizard	X
<u>н</u>	Change Settings	
Welcome Select A Print Server	This Wizard allows the network administrator to change some basic settings of the print server. If you are not the network administrator, do not change settings. Wrong settings may cause the print server not to function properly.	
Change Settings	✓ Yes, I want to change settings. (Y)	
Configure Wireless Configure TCP / IP	Password : ****	
Save Settings	C No, I don't want to change settings. (O)	
Select a Printer		
Summary Complete	To change settings, you must enter the password. A brand-new Network print server has no default password. If you are configuring a wireless print server and it's now operating in Diagnostic mode, you don't need to enter the password.	
	< <u>B</u> ack <u>N</u> ext > Cance	9

Click **No** if you want the wireless print server to keep using the default IP address and the default settings:

- Username: admin
- Password: 0000
- Ad-Hoc mode
- Channel: 6
- SSID: WLAN-PS
- Encryption: none
- DHCP client: Off
- IP address: 192.168.0.10
- Subnet Mask: 255.255.255.0

Or

Click **Yes** if you want change wireless settings or assign a static IP address to the print server:

- On the **Basic Wireless Settings** screen, select **Communication Type** according to your network:
  - Infrastructure

- Ad-Hoc
- Enter the proper **SSID** of your wireless network.
  - Channel: optional
  - Data Transmit Rates: select Auto or others
    - Transmit Mode: select Auto or others
- On the **Wireless Security** screen, enable or disable WEP/WPA/WPA2 encryption, configure according to your wireless network and click **Next**.
- On the **TCP/IP Settings** screen, specify a fixed or dynamic IP address for the print server, a fixed IP address is highly recommended. Click **Next**.

#### Note:

The IP address of print server must be within the same subnet as your network adapter.

7. In the setup wizard, select an already configured printer from the list, click **Next**, **Next** and then **Finish** to complete the installation.

or

Select **Add New Printer** if the print server is connected to a printer that hasn't been installed before and does not appear in the list.

Select A Printer	
The Wizard now helps you set up the printe print server. You can either select a printer installed on this computer or add a new pri	that has already been
Select a printer from the following list	Add New Printe
Printer Name	Port
To add a new printer, you need a printer in the driver file that you've downloaded from	
	The Wizard now helps you set up the printe print server. You can either select a printer installed on this computer or add a new printer Select a printer from the following list Printer Name Samsung ML-1750 Series PCL 6 To add a new printer, you need a printer i

8. Click Add New Printer to launch Windows Add Printer Wizard.



 Click Next and select Local Printer, make sure the Automatically detect and install my Plug and Play printer check box is NOT checked. Then click Next.

Add Printer Wizard
Local or Network Printer The wizard needs to know which type of printer to set up.
Select the option that describes the printer you want to use:
<u>Local printer attached to this computer</u>
Automatically detect and install my Plug and Play printer
A network printer, or a printer attached to another computer
To set up a network printer that is not attached to a print server, use the "Local printer" option.
< <u>Back</u> <u>Next</u> Cancel

10. Make sure the **Use the following port** radio-button is clicked and select **LPT1:** (Recommended Printer Port) from the pull-down list. Then click Next.

Add Printer Wizard
Select a Printer Port Computers communicate with printers through ports.
Select the port you want your printer to use. If the port is not listed, you can create a new port.
⊙ Use the following port: LPT1: (Recommended Printer Port)
Note: Most computers use the LPT1: port to communicate with a local printer. The connector for this port should look something like this:
So P
O <u>C</u> reate a new port:
Type of port HP Standard TCP/IP Port
< <u>Back</u> (Next > Cancel

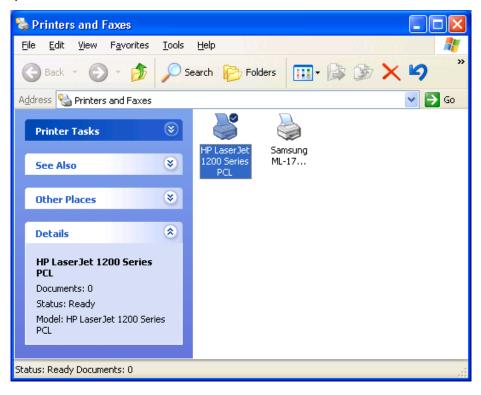
11. Select Manufacturer and Printer from the lists of printer's driver. Then click Next.

Add Printer Wizard	
Install Printer Software The manufacturer and mode	I determine which printer software to use.
	nd model of your printer. If your printer came with an installation our printer is not listed, consult your printer documentation for e.
Manufacturer	Printers
Gestetner	W HP LaserJet 1100 (MS)
HP IBM	🖙 HP LaserJet 1200 Series PCL 🧰
infotec	🛛 💱 HP LaserJet 1200 Series PS (MS)
	HP LaserJet 1220 Series PCL
This driver is digitally signed. <u>Tell me why driver signing is im</u>	Windows Update Have Disk
	< <u>Back</u> Next > Cancel

- 12. If you already have the printer's driver installed, you will be asked whether to keep it or to replace it. Click **Next**. Supply a name for the printer and choose whether you want to make it your default printer. Then click **Next**.
- 13. Then, choose whether you want to share the printer with other network users, print a test page (please select **No**.), etc. Select the appropriate radio-button and click **Next** and **Finish**.
- 14. In the setup wizard, finish the installation by highlighting the installed printer in the **Select a Printer** list and click **Next**, **Next** -> **Finish**.

H III	Select A Printer	
Welcome	The Wizard now helps you set up the prin print server. You can either select a printe installed on this computer or add a new p	r that has already been
elect A Print Server		Add New Printe
Change Settings	Select a printer from the following list	
Configure Wireless	Printer Name	Port
configure micress	HP LaserJet 1200 Series PCL	LPT1:
Configure TCP / IP Save Settings Select a Printer Summary		
Complete	To add a new printer, you need a printer the driver file that you've downloaded fro	

15. From Windows system, go to **start** -> **Printers and Faxes** and highlight your newly installed printer.



16. Right-click, select **Properties** -> **Ports** and verify that the print server's port appears.

🕈 HP La	serJet 1	200 Se	eries PCL P	Properties		?
General	Sharing	Ports	Advanced	Device Set	tings	
3	HP Las	erJet 12	00 Series PCL			
<u>P</u> rint to checke		ng port(s	). Documents	will print to th	ne first free	
Port			Description	1	Printer	<u>^</u>
	DM4:		Serial Port			
FI	LE:		Print to File			
0 υ	SB001		Virtual printer	port fo		100
DD	OT4_001		psc printer			=
	_192.168	0.10-1	Standard TC	P/IP Port H	IP LaserJet	1200 S
<					l	>
	dd Port		Delete f	Port	Configure	Port
<u> </u>	.aa i oi <u>s</u>		<u>D</u> 010101		Soringare	in orea.
Enat	ole bidirect	ional sur	sport			
	ole printer					
	olo philicol	Jooming				
			ОК		incel	Apply
						OPR9/

- 17. Go to General; click Print Test Page to verify the configuration.
- 18. Done.

#### Note:

If you wish to install more print servers, start setup wizard from your Windows Start menu: start -> All Programs -> Network Print Server -> PSWzard and repeat the installation procedure.

#### How to create print server port manually?

- From your Windows Start menu: start -> All Programs -> Accessories -> System Tools -> Control Panel -> Hardware and Sound -> Printers.
- Find your installed printer icon, right-click, select Properties -> Ports -> Add Port -> Standard TCP/IP Port -> New Port -> Next.
- 3. Input the exact IP address of print server that you configured it. Click Next.
- 4. Select **Custom**, and click **Settings**.
- 5. Choose LPR, and input the queue name as Ip1.
- 6. Click **OK** -> **Next** -> **Finish**, to complete the wizard.
- 7. Click Close -> Apply.
- 8. Now, the print server port has been created.

#### How to know the current settings of print server?

- 1. Plug the AC power adapter into the power connector on the print server.
- 2. Wait 40 seconds as part of the print server's Power On Self Test (POST).
- 3. Press the reset button for 8 seconds, and then release it.
- 4. Then, the test page includes the current settings of print server will be printed out.



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