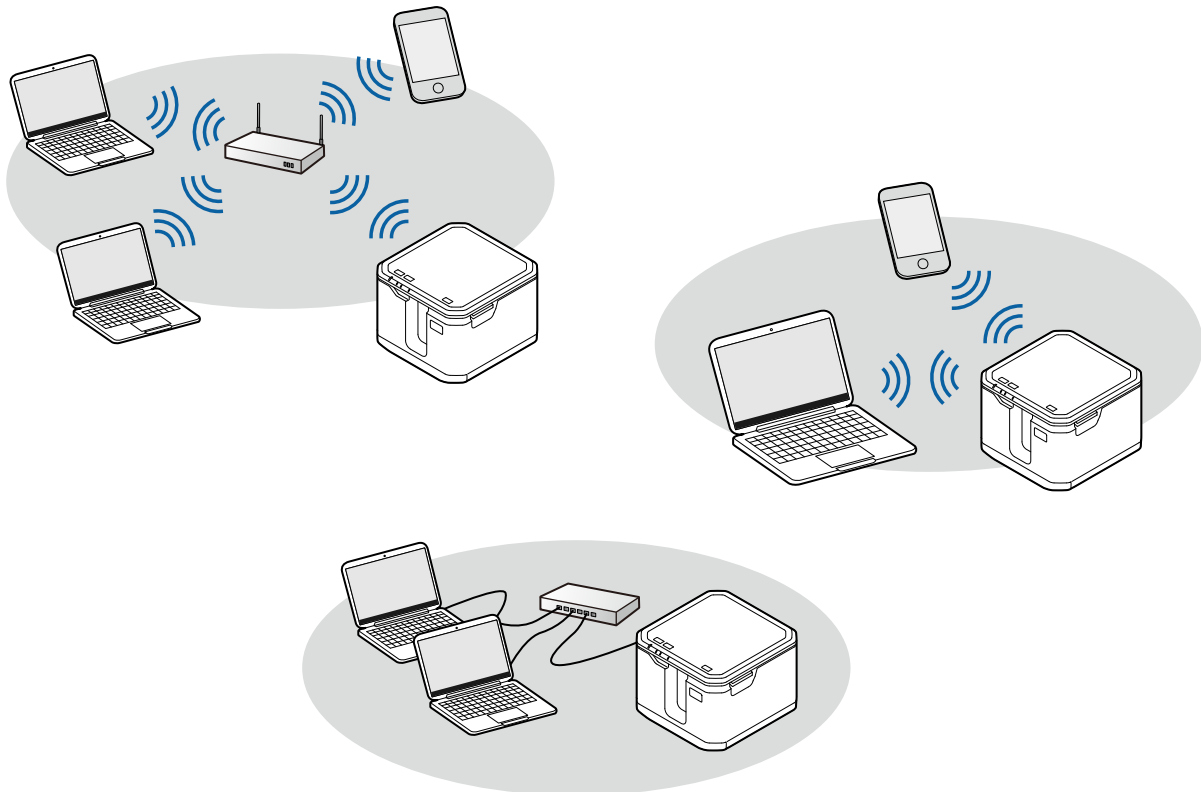


Network Configuration Guide



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Before Setting Up

About This Manual

This manual describes how to connect the printer and various devices to a network.
The screenshots used throughout this manual may slightly differ from actual screens.




Notation

- ❑ Microsoft® Windows® 11 operating system
- ❑ Microsoft® Windows® 10 operating system

The above operating systems are written out as Windows 11 and Windows 10 as applicable throughout this document. In addition, Windows will be used as the general name for the above operating systems overall.

Symbols Used in This Guide

The following symbols are used in this guide to indicate important information.

 IMPORTANT	Indicates information with which you must comply when using the product. Mishandling due to ignoring this information may cause the product to fail or malfunction.
 NOTE	Indicates supplementary explanations and information you should know.
	Indicates a reference page containing related information.

Network settings configuration



IMPORTANT

While installing the printer driver or other software, do not connect a network cable, a USB cable, or any other connection cable to the printer until you are instructed to do so.

This printer is compatible with the below types of network connections. Choose whichever one you want to connect to.

- Wireless LAN (Infrastructure Mode)
- Wireless LAN (Simple AP Mode)
- Wired LAN

Note that wireless LAN connections, wired LAN connections, and USB connections can be used together at the same time in any combination.



IMPORTANT

If there are multiple computers and printers connected together, the connection method by which printing data is first sent is given first priority, regardless of the connection method used including USB connections. Try printing again if an error message appears.



NOTE

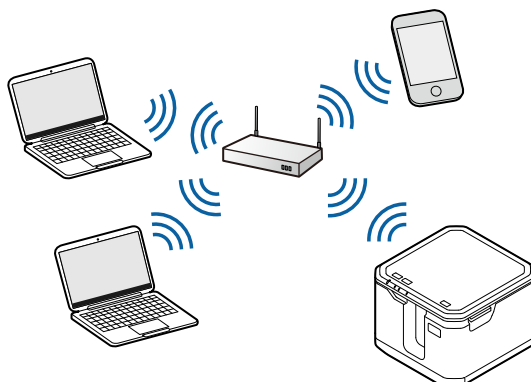
This document lists network connection methods for connecting computers and printers together using the Windows operating system.

Wireless LAN connection

There are two types of wireless LAN connections available, one of which uses an access point to connect and the other which does not. Select the connection method that best matches your network environment.

When using an access point (Infrastructure Mode)

Infrastructure Mode is a communications mode that connects through a commercial access point, broadband router, or similar tool. Users connect via access points, which allows them to set up the computer and printer separately in different areas.



There are two configuration methods available, an automatic configuration method set up using Wi-Fi® Protected Setup (WPS) and a manual configuration method.

 ["Setting up wireless connection using the push button \(WPS\)" on page 12](#)

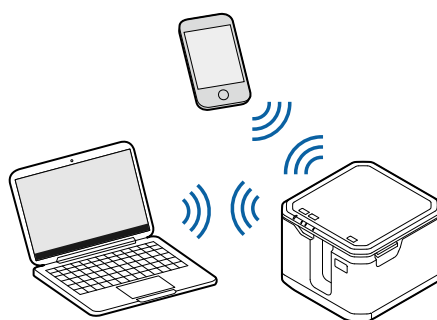
 ["Setting up wireless connection manually" on page 25](#)

When connecting the printer to a smartphone or a tablet computer, go to the link below.

 ["Connecting to a Mobile Device" on page 55](#)

When not using an access point (Simple AP Mode)

In this mode, a computer, Smartphone, or other device communicates directly with the printer via a wireless connection without using an access point.



The below conditions must be met before this connection mode can be used.

- The computer or portable terminal to be connected is set up for wireless LAN and the wireless LAN switch is turned on
- The computer is not connected to a wireless LAN
- The computer is set up to acquire an IP address automatically

 ["Setting up wireless connection using the push button \(WPS\)" on page 34](#)

 ["Setting up the wireless connection manually" on page 42](#)

When connecting the printer to a smartphone or a tablet computer, go to the link below.

 ["Connecting to a Mobile Device" on page 55](#)

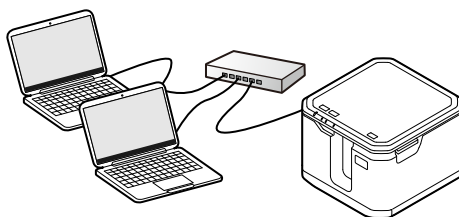


IMPORTANT

- Up to four devices can be connected at the same time with connections using Simple AP Mode. You will not be able to connect a fifth or subsequent device if there are already four devices connected.
- You will not be able to connect to any devices connected to units other than the printer or to the Internet while connected to the printer. Your Internet connection will be disconnected when you run this configuration.
- The security mode is fixed to WPA2-PSK (AES).

Wired LAN connection

This method allows users to connect to the printer via a hub, router, or similar device using a wired cable.



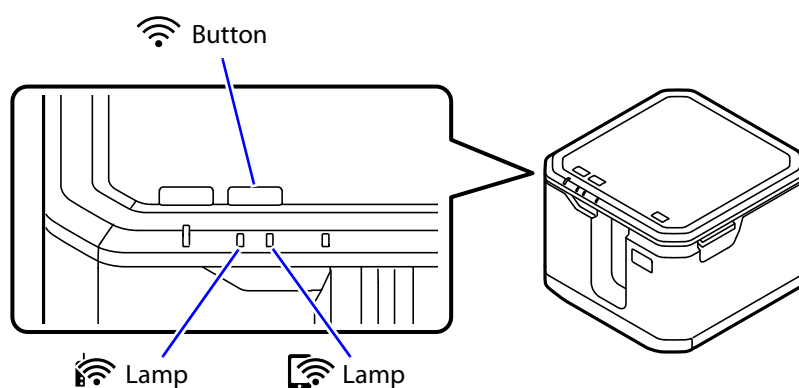
["Connecting via wired LAN" on page 47](#)

Checking the wireless connection mode of the printer

Infrastructure Mode (connected using an access point)

MP500

The lamp stays on while the printer is connected to a wireless LAN in Infrastructure Mode.




MP550

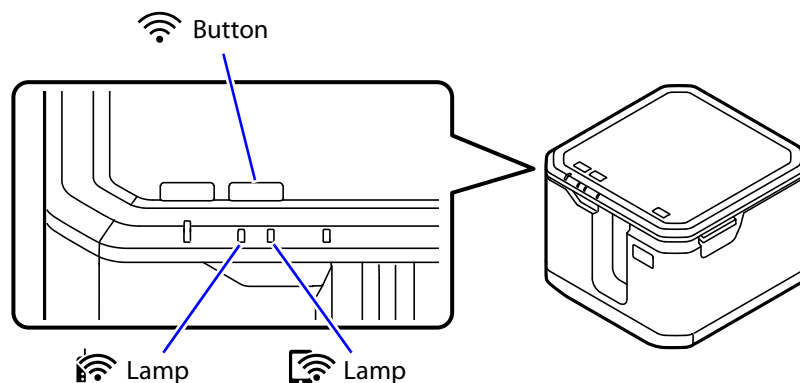
The icon appears on the LCD as shown below while the printer is connected to the wireless LAN in infrastructure mode.



Simple AP Mode (connected without using an access point)

MP500

The  lamp stays on while the printer is connected to a wireless LAN in Simple AP Mode.



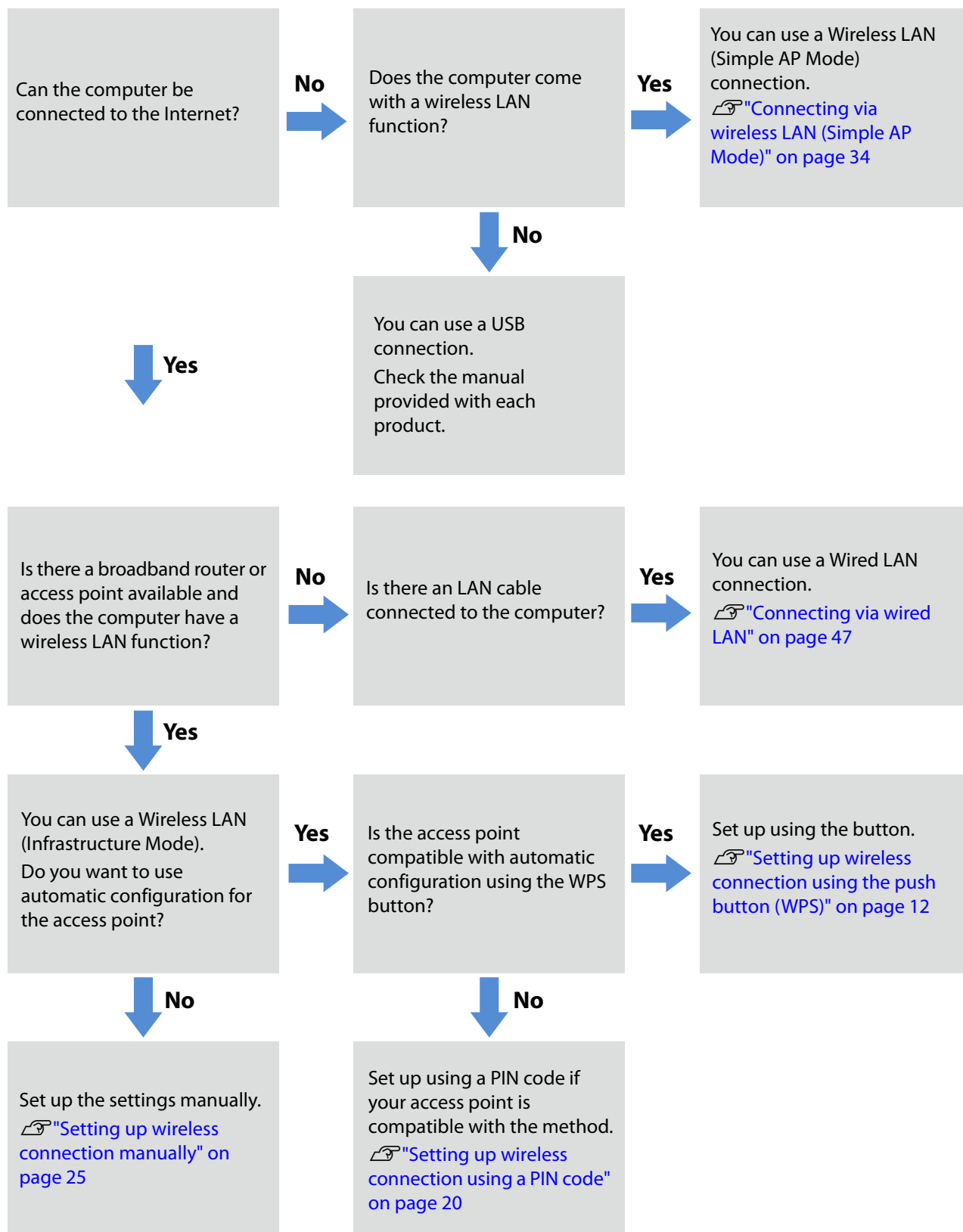
MP550

The icon appears on the LCD as shown below while the printer is connected to the wireless LAN in SimpleAP mode.



Selecting a connection method

Select the method that best matches your system environment. If not sure which connection method to use, use the below flowchart to guide you through the available selections.



If connecting a device other than a computer to the printer, follow the procedures in "[Connecting to a Mobile Device](#)" on page 55.




**IMPORTANT**

You will need part or all of the information listed below if planning to configure wireless LAN settings manually or wanting to use a fixed IP address for the printer. Check with your network administrator in advance. Getting everything ready in advance will allow you to set up your network smoothly.

- Information necessary for setting up a fixed IP address
 - IP address set for the printer
 - Subnet mask
 - Default gateway
- Information necessary for configuring a wireless LAN manually
 - SSID set to the access point
 - Security authentication method for the wireless LAN set to the access point
 - Encryption method for the wireless LAN set to the access point
 - Pre-Shared Key (PSK) set to the access point
 - WEP key set to the access point

Connecting to a Computer

There are three different methods available for connecting to a computer, which are listed below. Select the method that best matches your system environment.

 IMPORTANT	<p>While installing the printer driver or other software, do not connect a network cable, a USB cable, or any other connection cable to the printer until you are instructed to do so.</p>
 NOTE	<p>The network settings can be checked and changed later on. For details, check the page listed below.</p> <p> "How to Check the Settings" on page 61</p>


Connecting via wireless LAN (Infrastructure Mode)

Here, a description will be provided of the method for setting up a wireless LAN connection in Infrastructure Mode. Select one of the below methods for configuring the settings.

 ["Setting up wireless connection using the push button \(WPS\)" on page 12](#)

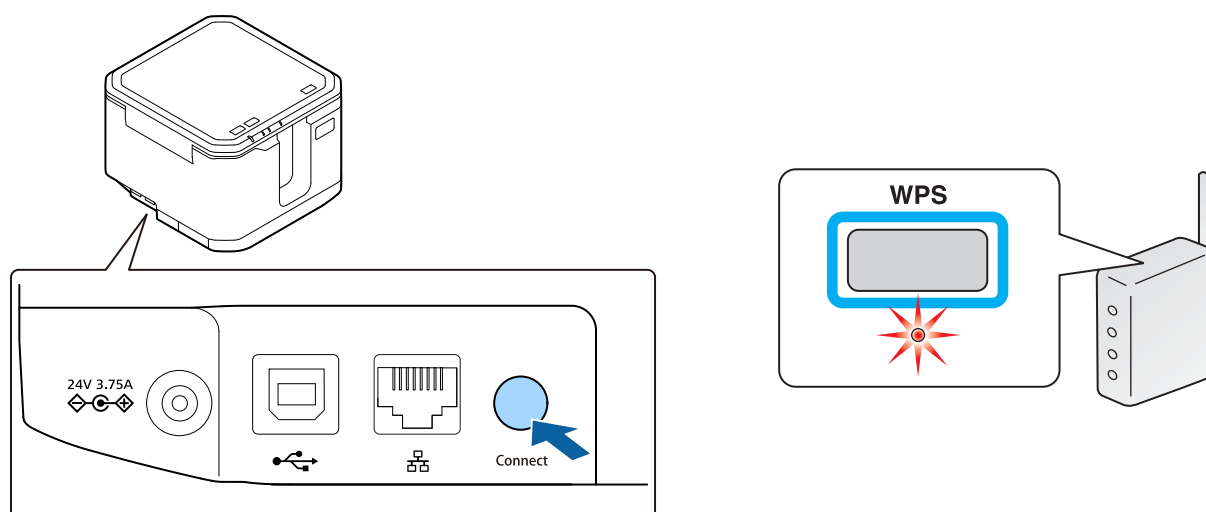
 ["Setting up wireless connection using a PIN code" on page 20](#)

 ["Setting up wireless connection manually" on page 25](#)

 IMPORTANT	<p>In order for wireless LAN settings to be configured, the computer needs to be connected to a wireless LAN device such as an access point or router.</p>
---	--

Setting up wireless connection using the push button (WPS)

This configuration method can be selected when a WPS-enabled access point is used and other wireless devices (handsets) are set using the WPS button. Press the Connect button on the back of the printer and the WPS button on the access point to start communications between the printer and access point and to trigger the necessary network settings to configure automatically. Other wireless devices (handsets) will also need to be set using the WPS button in order to enable this method to be used.

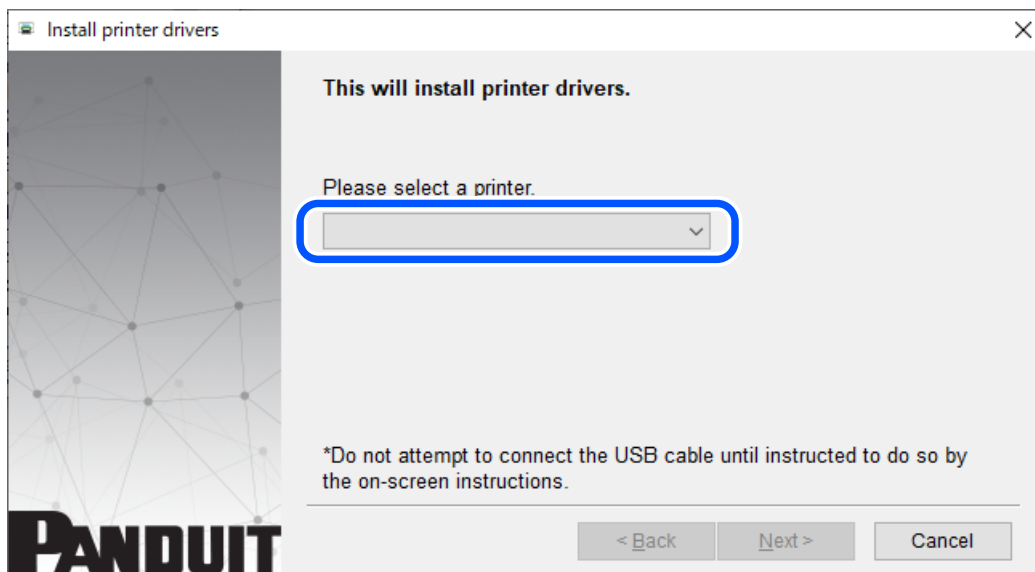


NOTE

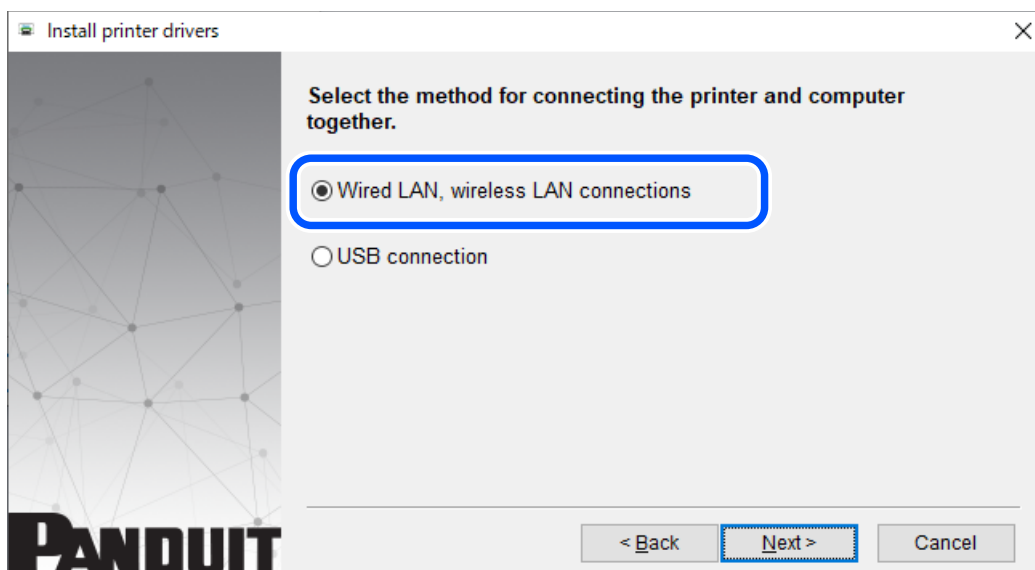
When configuring the wireless LAN settings, set the computer, printer, and access point up nearby to make it easier to run them as you will need to use all three to complete the procedures.

- 1 Start the printer driver installer on a computer.
Follow the instructions on screen to proceed.
- 2 Check the content of the displayed License Agreement, and click **Agree** to signify that you have read and agree to the terms and conditions of the License Agreement. Next, follow the instructions on screen to proceed with the installation process.

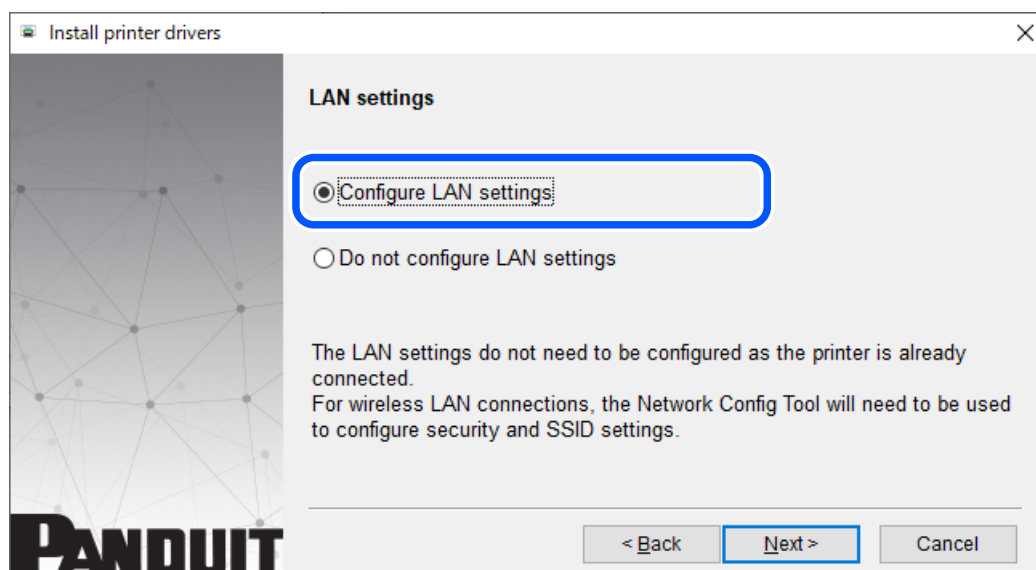
3 Select a model (the printer to be used).



4 Select **Wired LAN, wireless LAN connections**.



5 Select **Configure LAN settings**.



NOTE

If the network settings have already been configured on the printer (when adding a computer to connect or something similar), select **Do not configure LAN settings**.

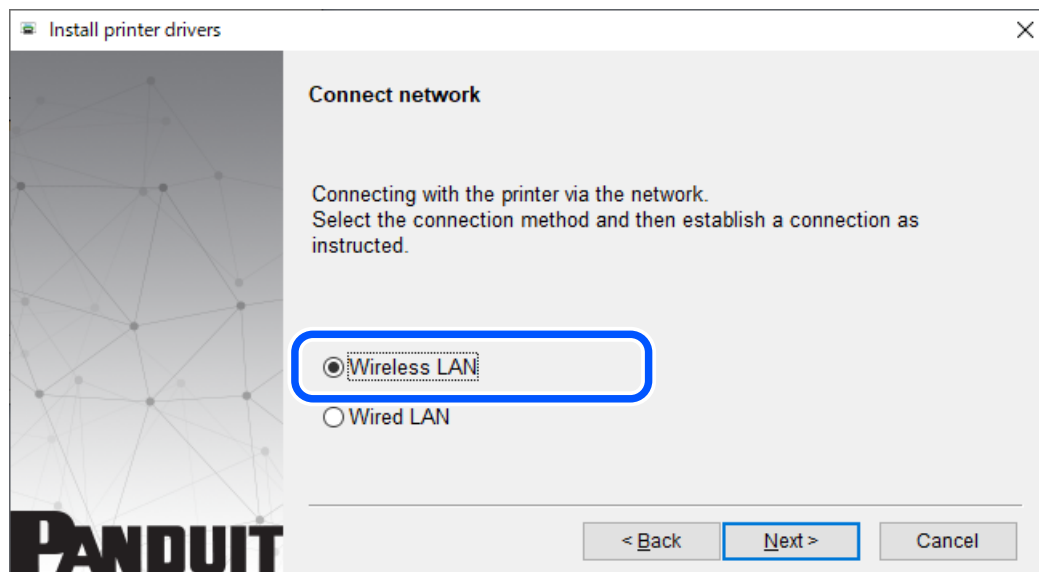
6 Select **Obtain the IP address automatically**.



NOTE


To manually set the IP address of the printer, see the following page.
[👉 "Setting up wireless connection using a PIN code" on page 20.](#)

7 Select **Wireless LAN**.

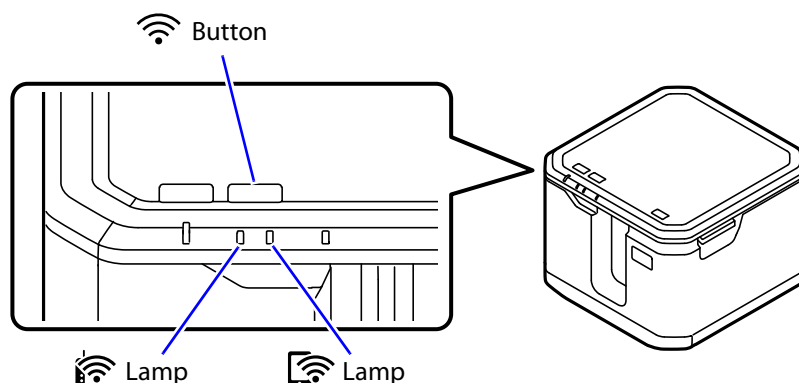


- 8 With the network cable and USB cable left unconnected, turn on the power to the printer.

MP500

Press the  button repeatedly to scroll through the printer connection modes until you get to Infrastructure Mode.

The  lamp will light up if the printer is set to Infrastructure Mode.




MP550

Touch the LCD panel and set Wireless LAN Mode to Infrastructure.

When the connection mode is set to Infrastructure,  will be displayed on the LCD.





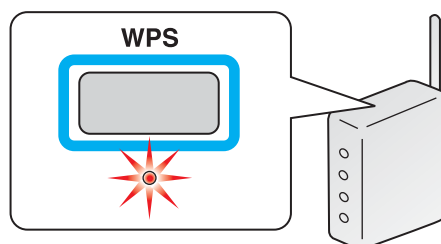
NOTE

The  lamp will light up if the printer is set to Infrastructure Mode. You can also check the printer connection mode by printing out the network status from the printer.

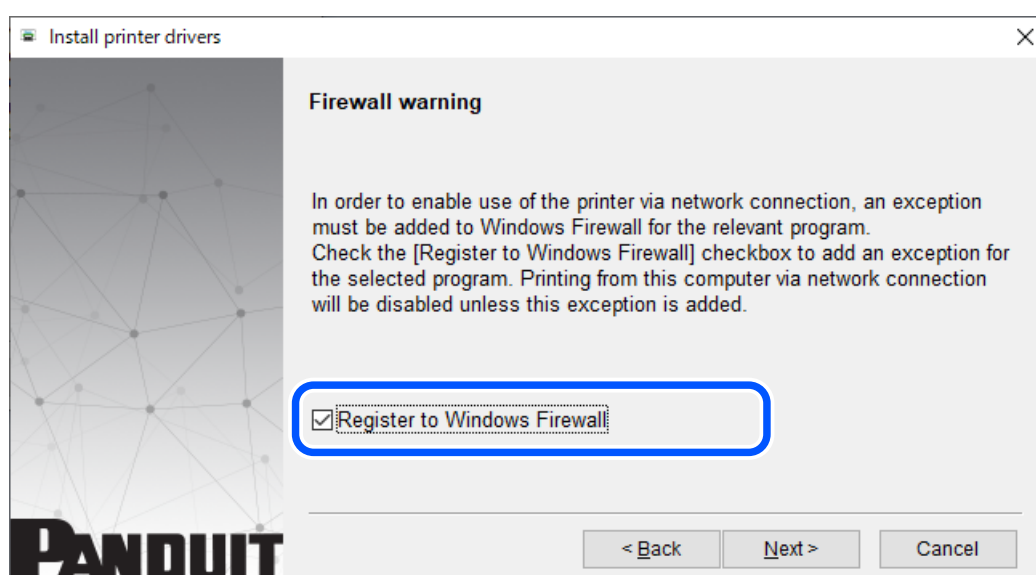
 ["Checking from the Printer" on page 61](#)

- 9 Follow the instructions on the screen to proceed with the settings configuration procedure.

Once the instruction to press the WPS button for the access point appears on the screen, check to make sure that the printer power is turned on and then press the WPS button. The  lamp on the printer will begin to flash, signaling the start of automatic configuration. Once the settings have been configured, the  lamp will light up solid.

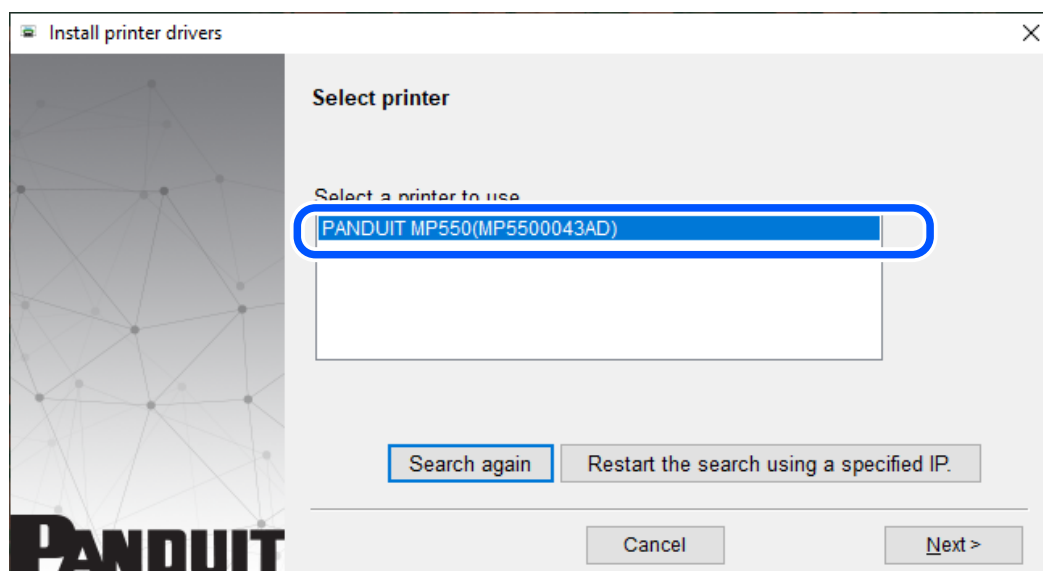


- 10 Check the **Register to Windows Firewall** checkbox, and proceed to the next screen.



11 The installer will search the network and display a list of printers that are connected to the network. Select the printer to be used.

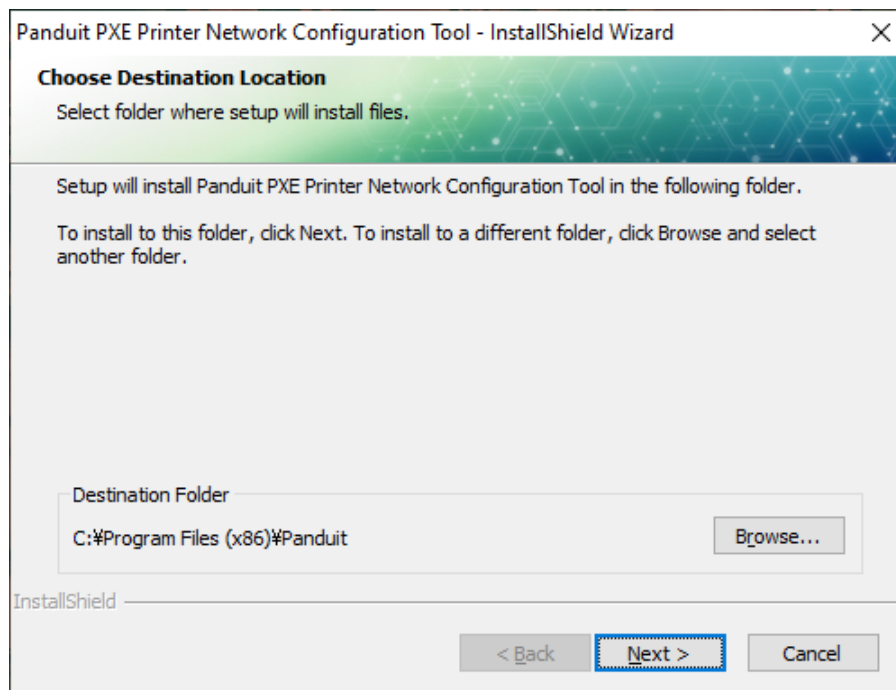
If you follow the instructions shown on screen to continue configuring the settings, the network printer driver will begin installing. Once the printer driver installation is complete, installation of the Network Configuration Tool will begin automatically.



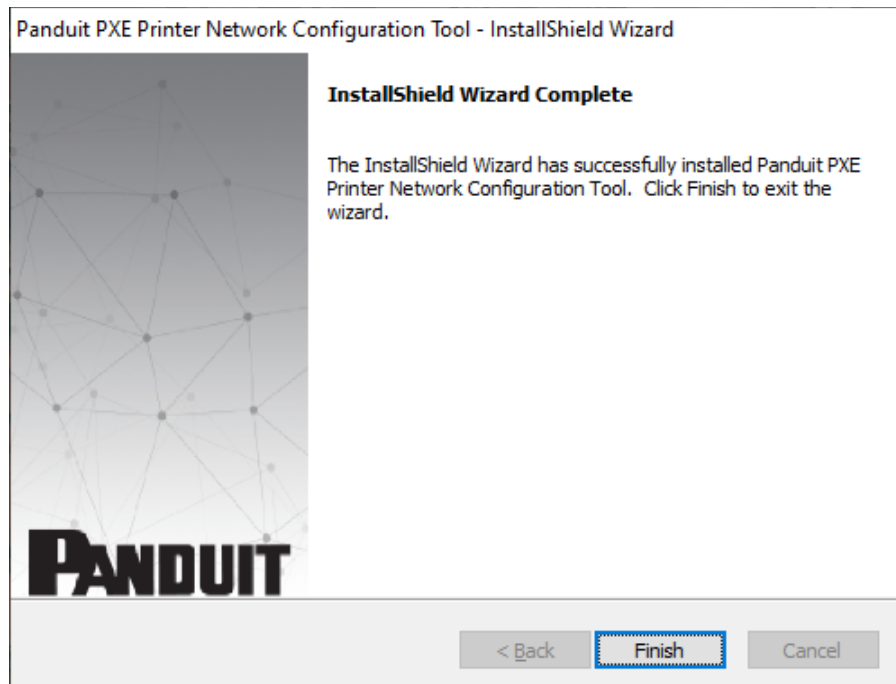
NOTE

- The printer will appear once the network settings have been configured. Try completing the following procedures if the printer fails to show up:
 - If the IP address was set manually:
Press the **Restart the search using a specified IP**, and input the specified IP address on the screen that appears.
 - If the IP address was obtained automatically:
Press the **Search again** button.
 If the printer still fails to appear even after you have completed the above, it indicates that the printer network settings have not been configured completely. Try starting over from the beginning.
- Searches made using the **Search again** button will only be performed within the same network segment. To connect to a printer in a network segment outside of the range of the router, check the IP address of the printer that you wish to connect to and try searching again using **Restart the search using a specified IP**.
- Print a test page from the printer driver to check to ensure that the printer is running correctly.

- 12** Select the folder where the Network Configuration Tool is to be installed. Proceed to the next screen to start the installation of the tool.



- 13** Installation is complete when the completion screen appears.



Setting up wireless connection using a PIN code


This configuration method can be selected if the access point used is compatible with a WPS PIN code input method. The description here lists procedures for when the IP address for the printer is to be acquired automatically. After the network settings have been configured for the printer and access point, install the printer driver and other necessary software.

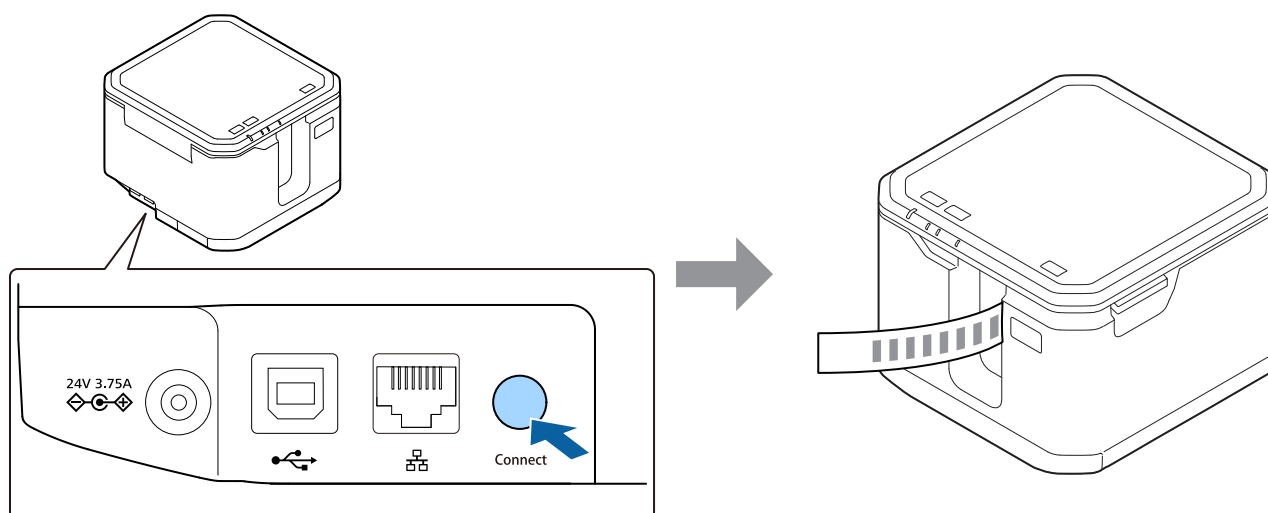
NOTE






- A PIN code issued by an access point cannot be registered and set for a printer.
- For details on how to register a PIN code to an access point, refer to the manual for the access point.
- When configuring the wireless LAN settings, set the computer, printer, and access point up nearby to make it easier to run them as you will need to use all three to complete the procedures.
- To set the IP address on the printer manually, refer to ["Setting up wireless connection manually" on page 25](#) to configure the network settings on the printer and then complete the below procedures starting from [Step 1](#) to set the IP address.



IMPORTANT

If planning to configure the settings automatically using a PIN code, use the included tape cartridge to print the PIN code out from the printer.



- 1 Insert a tape cartridge into the printer, and turn on the power.
- 2 Press and hold down the Connect button located on the side of the printer for at least 3 seconds. The  lamp will begin flashing, and a PIN code will then be printed out from the printer.



 IMPORTANT	<p>The PIN code cannot be printed out in any other mode except for Infrastructure Mode.</p> <ul style="list-style-type: none"> • For MP500 users If unable to print out the PIN code, press the  button repeatedly to scroll through the printer connection modes until you get to Infrastructure Mode. You can confirm that the printer is set to Infrastructure Mode by whether the  lamp is flashing. You can also check by printing out the network status. For information on how to print the network status, see the following page. "Checking from the Printer" on page 61 • For MP550 users If the PIN code cannot be printed, select the  (Wi-Fi off) or  (SimpleAP) icon on the LCD and set the printer to Infrastructure mode. For information on how to print the network status, see the following page. "Checking from the Printer" on page 61
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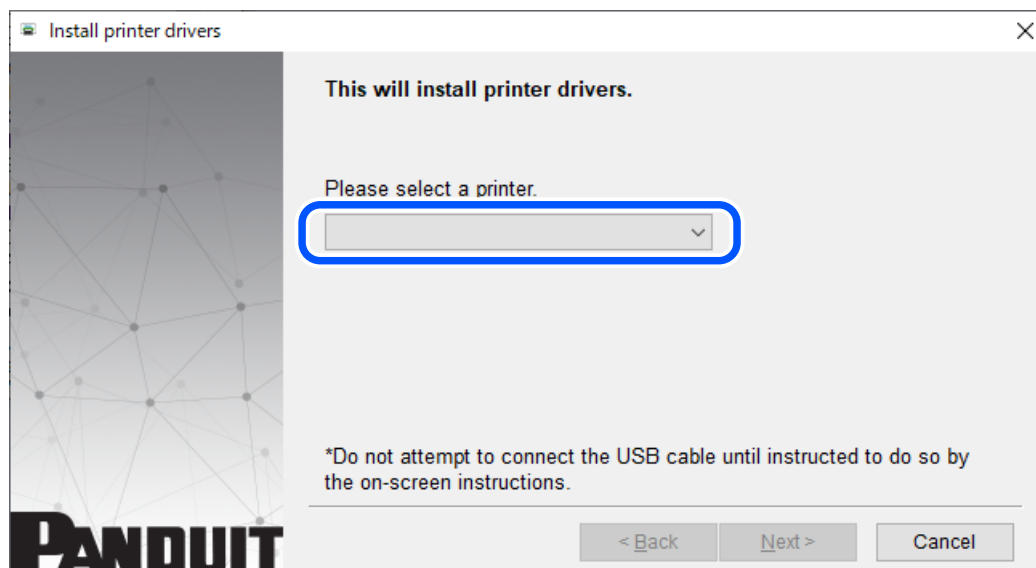
- 3** Register the PIN code to the access point while the  lamp is still flashing. The  lamp will light up solid as soon as the connections to and settings for the access point have been completed.

If you are using MP550, register the PIN code while the "Setting..." screen is displayed.

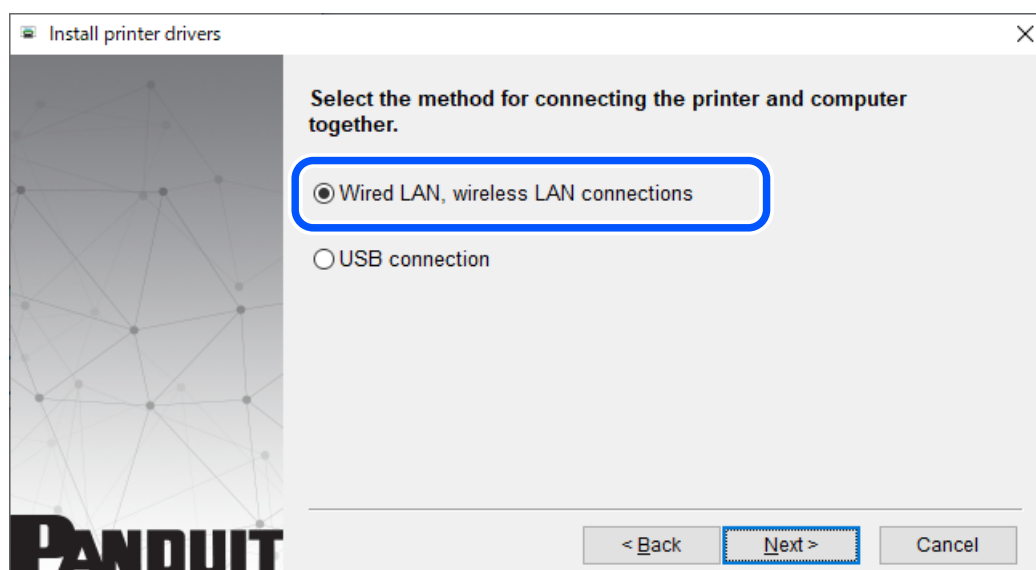
 IMPORTANT	<p>If the  lamp is turned off, it indicates that the network settings have not been configured properly. Return to Step 2 to try configuring the network settings.</p>
--	---

- 4** Start the printer driver installer on a computer.
Follow the instructions on screen to proceed.
- 5** Check the content of the displayed License Agreement, and click **Agree** to signify that you have read and agree to the terms and conditions of the License Agreement. Next, follow the instructions on screen to proceed with the installation process.

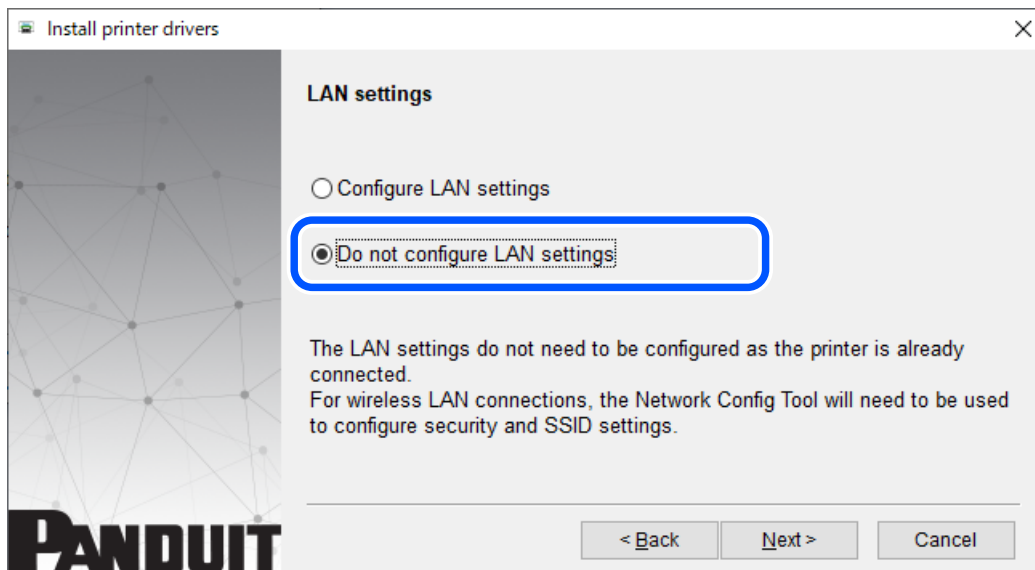
6 Select a model (the printer to be used).



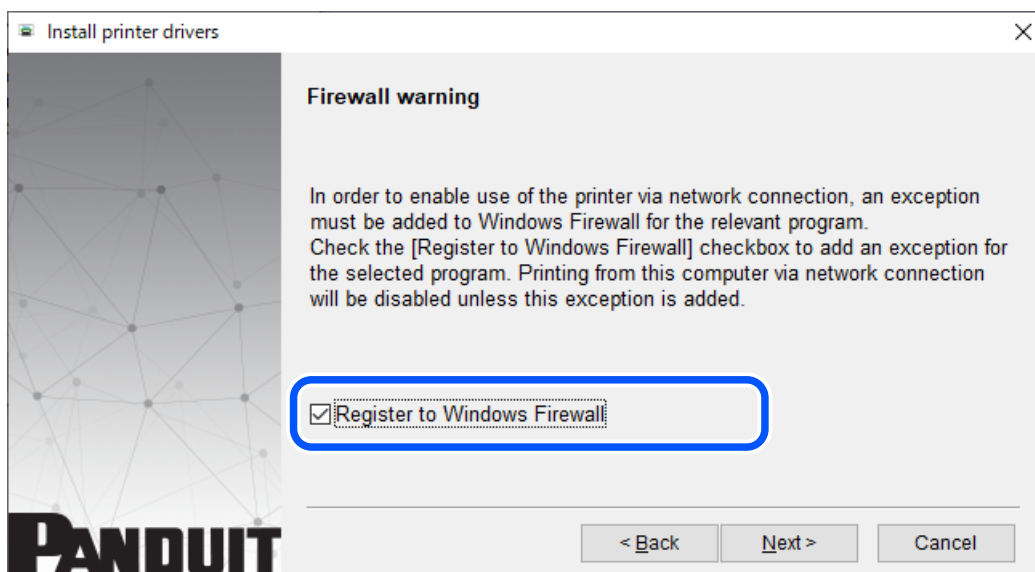
7 Select **Wired LAN, wireless LAN** connections.



8 Select **Do not configure LAN settings**.

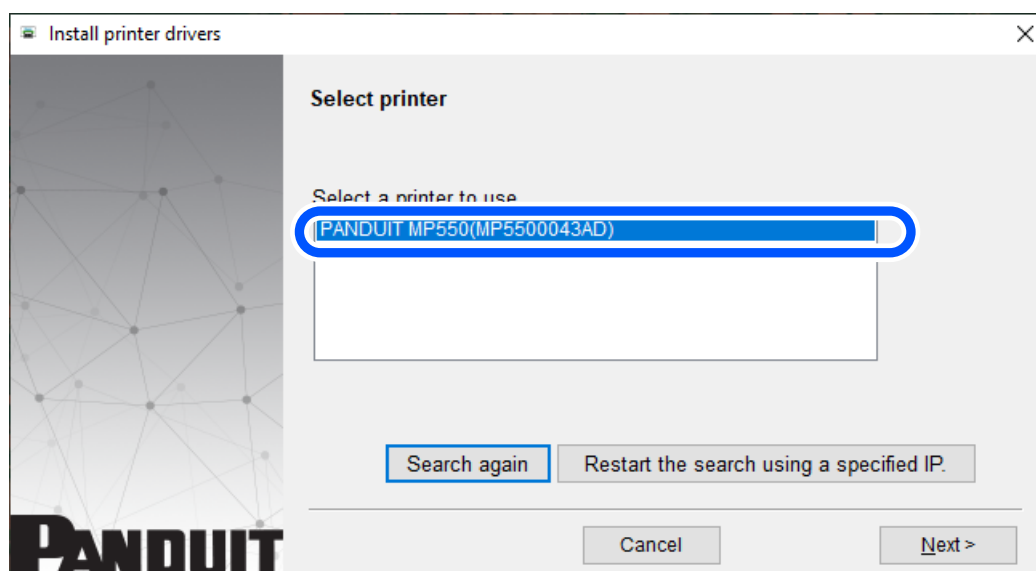


9 Check the **Register to Windows Firewall** checkbox, and proceed to the next screen.



- 10** The printer set to the PIN code will appear on the screen. Select this printer to proceed.

If you follow the instructions shown on screen to continue configuring the settings, the network printer driver will begin installing. Once the printer driver installation is complete, installation of the Network Configuration Tool will begin automatically.




NOTE

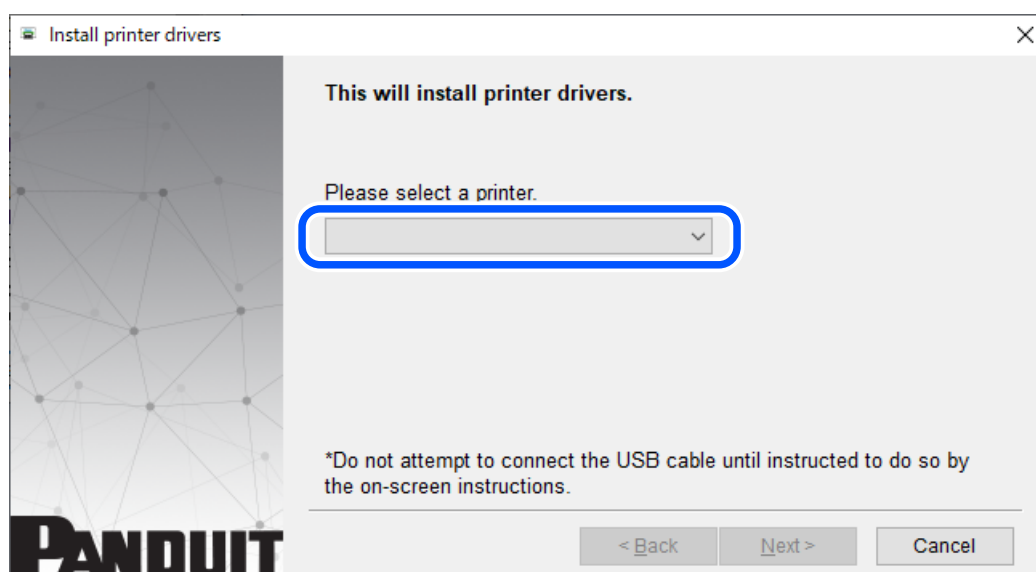
- The printer will appear once the network settings have been configured. If the printer fails to appear, press the **Search again** button to try again. If the printer still fails to appear even after you have completed the above, it indicates that the printer network settings have not been configured completely. Try starting over from the beginning.
- Searches made using the **Search again** button will only be performed within the same network segment. To connect to a printer in a network segment outside of the range of the router, check the IP address of the printer that you wish to connect to and try searching again using **Restart the search using a specified IP**.
- Print a test page from the printer driver to check to ensure that the printer is running correctly.

Setting up wireless connection manually

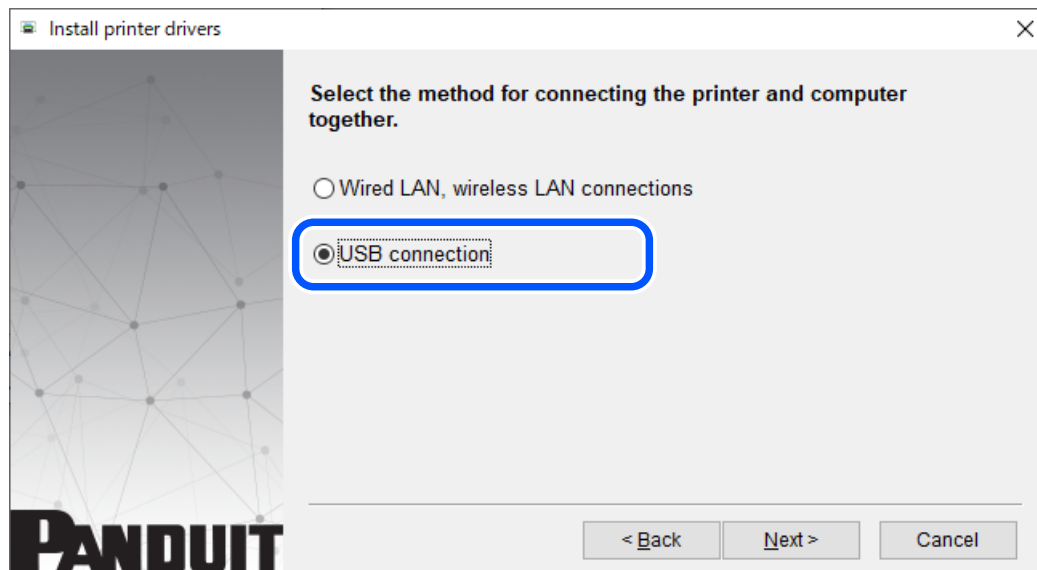
This is a configuration method in which all information needed to configure a wireless LAN connection is input manually.

 IMPORTANT	<p>Part or all of the below information will be needed to configure wireless LAN settings manually. Check with your network administrator in advance.</p> <ul style="list-style-type: none"> • Information necessary for setting up a fixed IP address <ul style="list-style-type: none"> • IP address set for the printer • Subnet mask • Default gateway • Information necessary for configuring a wireless LAN manually <ul style="list-style-type: none"> • SSID set to the access point • Security authentication method for the wireless LAN set to the access point • Encryption method for the wireless LAN set to the access point • Pre-Shared Key (PSK) set to the access point • WEP key set to the access point
---	--

- 1 Start the printer driver installer on a computer.
Follow the instructions on screen to proceed.
- 2 Check the content of the displayed License Agreement, and click **Agree** to signify that you have read and agree to the terms and conditions of the License Agreement. Next, follow the instructions on screen to proceed with the installation process.
- 3 Select a model (the printer to be used).
If you have already installed a USB driver of the printer, press the **Cancel** button and proceed to [Step 8](#).



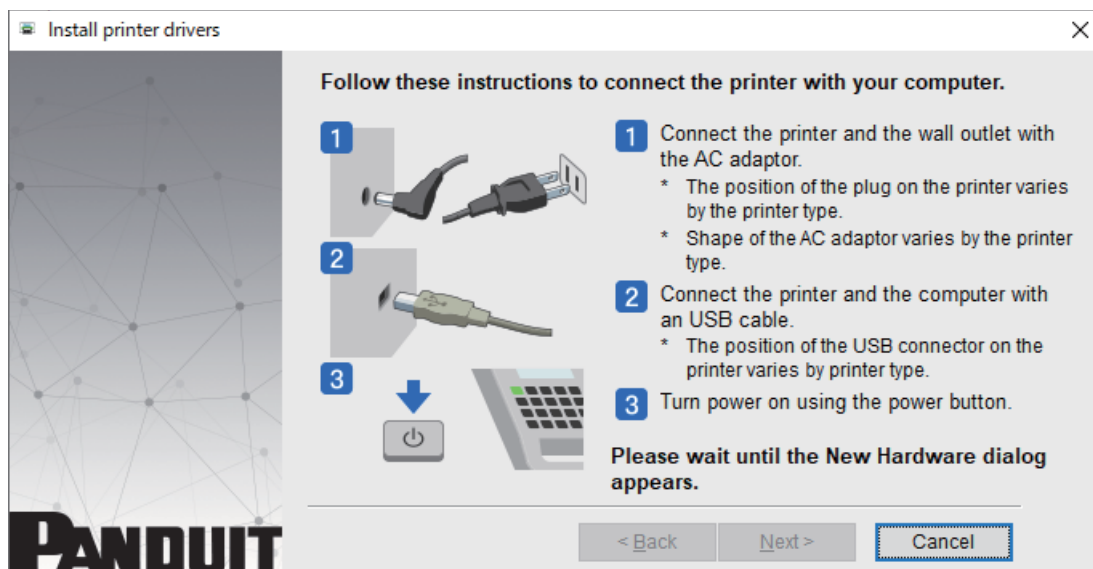
4 Select **USB connection**.



NOTE

The USB printer driver will need to be installed before you can use the Network Configuration Tool. Select **USB connection** and install the USB printer driver.

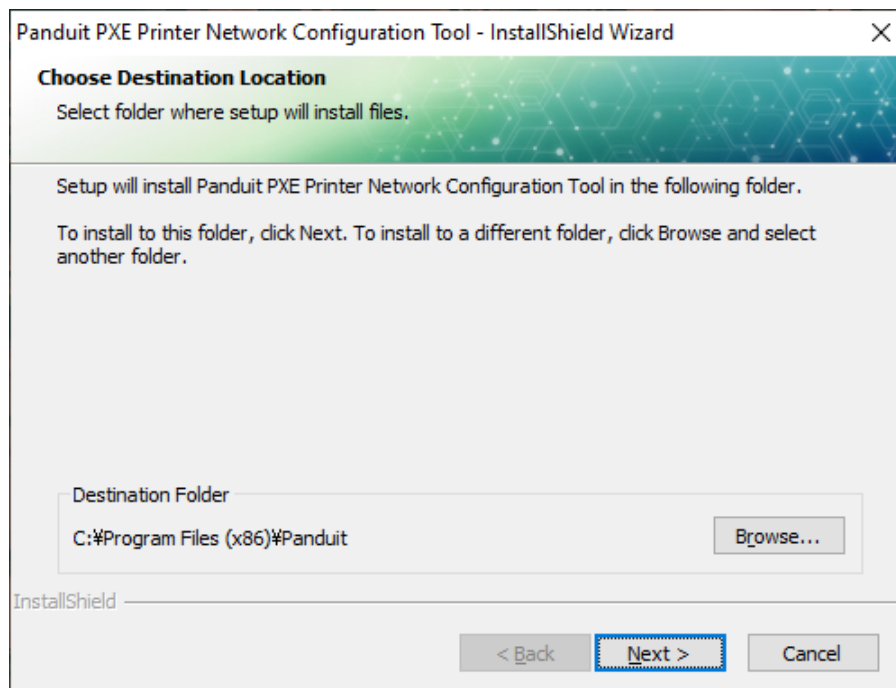
5 Follow the instructions on the screen to install the USB printer driver.



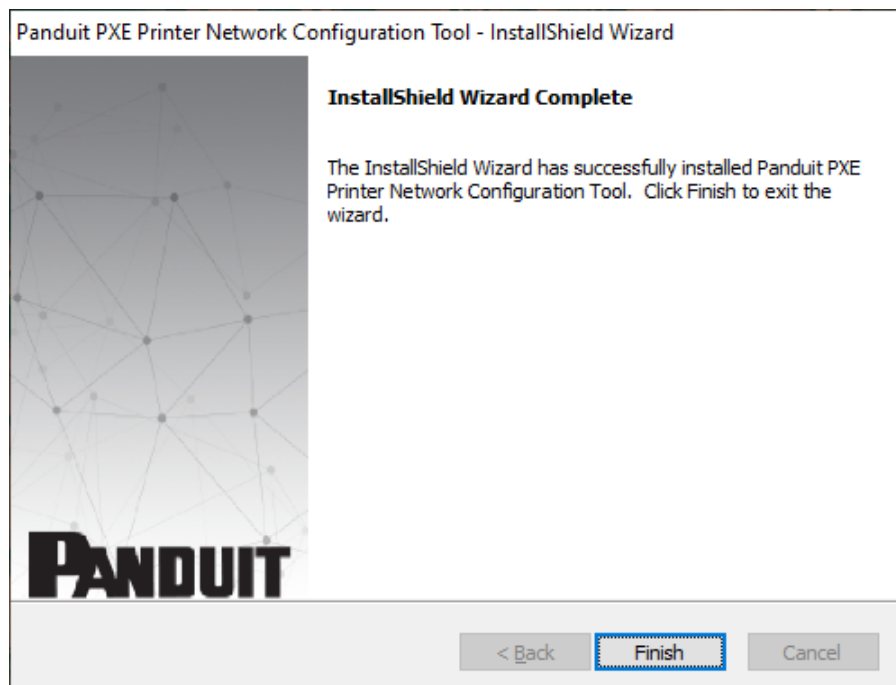
NOTE

- Follow the instructions shown on the screen to connect the computer and printer together using a USB cable.
- Once the printer driver installation is complete, installation of the Network Configuration Tool will begin automatically.

- 6 Select the folder where the Network Configuration Tool is to be installed. Proceed to the next screen to start the installation of the tool.

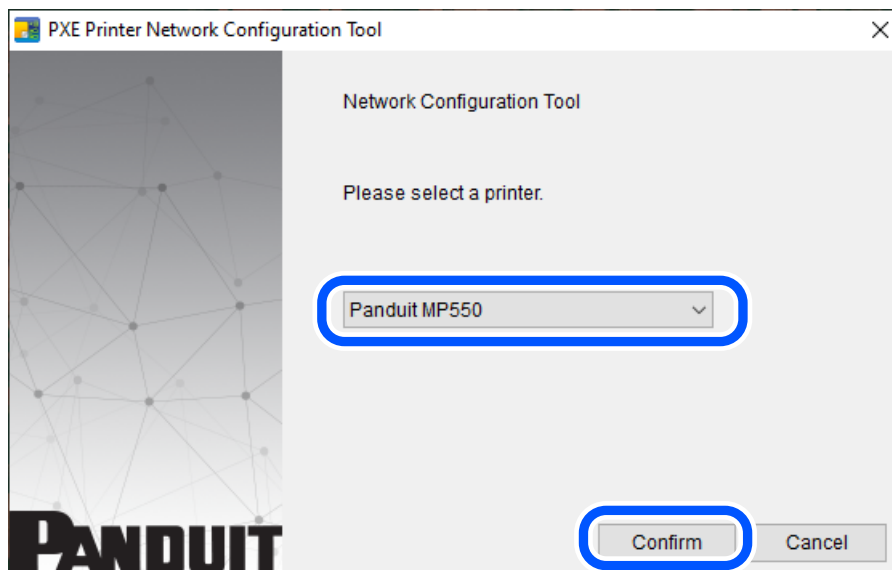


- 7 Installation is complete when the completion screen appears.



- 8 Start up the Network Configuration Tool.
Click **Start - All apps - PANDUIT - PXE Printer Network Configuration Tool**, in the order given.

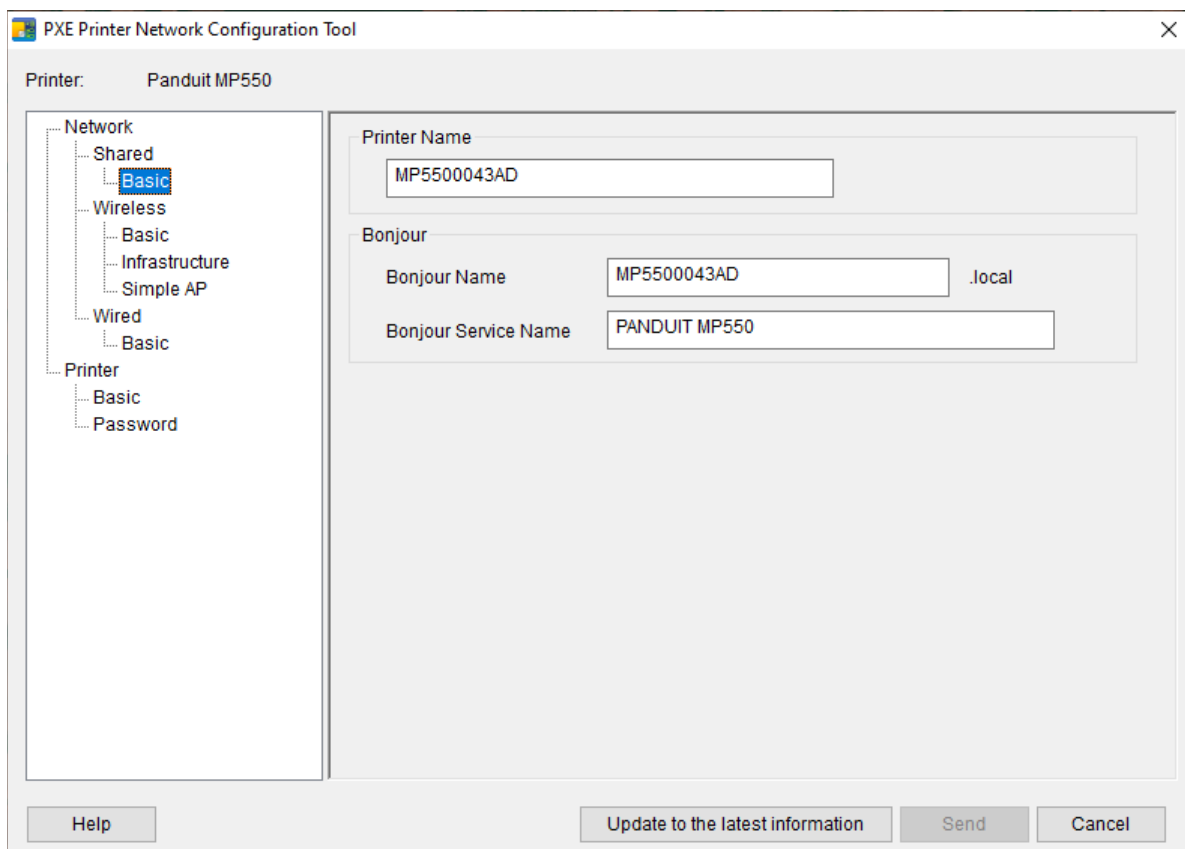
- 9 Confirm that the printer and the computer are connected via a USB cable. Then select the printer, and press the **Confirm** button.



NOTE

The USB printer driver may not be installed correctly if the printer fails to appear. Try reinstalling the USB printer driver starting from the beginning of the installation procedures.

- 10 The configuration tool menu appears.

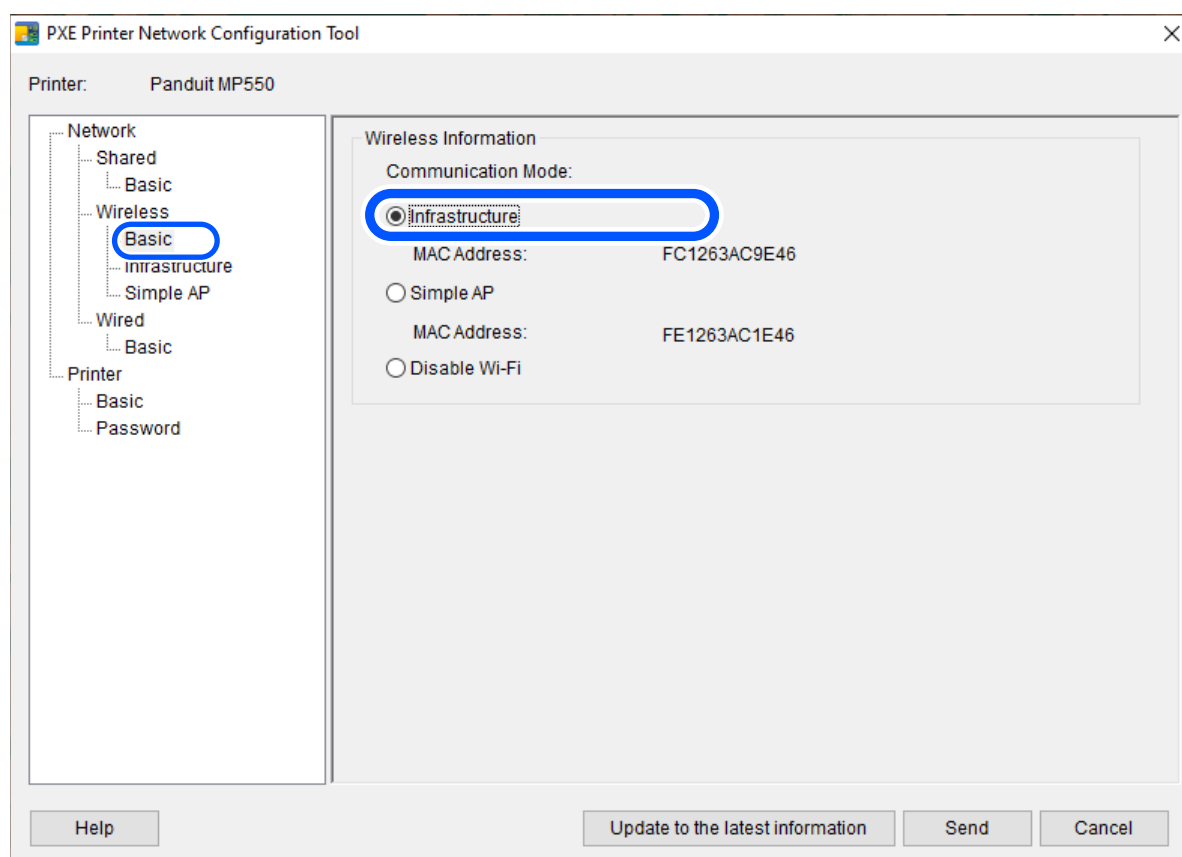


**NOTE**

For details on how to use the Network Configuration Tool, see the following page.

["How to Check the Settings" on page 61](#)

- 11** Select **Network - Wireless - Basic** from the tree menu at left and then select **Infrastructure** from the **Communication Mode** that appears at right. Do not press the **Send** button yet. The settings are not complete. Go to the next step.

**IMPORTANT**

Do not press the **Send** button until explicitly instructed to do so in the procedures listed in this manual.

Wait until all settings have been configured and then press the **Send** button to send the setting details to the printer.

- 12** Enter the network settings information that you have prepared in advance. Press the **Select an SSID** button and select the target SSID. Then enter a preshared key in the **PSK (Pre-Shared Key)** field.

PXE Printer Network Configuration Tool

Printer: Panduit MP550

Network

- Shared
 - Basic
- Wireless
 - Basic
 - Infrastructure
 - Simple AP
- Wired
 - Basic
- Printer
 - Basic
 - Password

Wireless Connection Status

Wireless Connection Status: Unconfirmed Confirm Connection

Wireless Mode:

IP Address Settings

☒ Auto ☐ Manual

IP Address: 0 . 0 . 0 . 0

Subnet Mask: 0 . 0 . 0 . 0

Default Gateway: 0 . 0 . 0 . 0

Security Settings

Authentication Method: WPA2-PSK

Encryption Method: AES

SSID: ABCDEFGHIJ Select an SSID

PSK (Pre-Shared Key): 12345678

WEP Key1:

Help Update to the latest information Send Cancel



NOTE

- Check to make sure that all necessary settings have been entered correctly.
- Press the **Select an SSID** button to pull up the SSID for the wireless LAN detected by the printer. You will then be able to select the desired SSID, if the one you want is listed.

Select an SSID



Please select a network (SSID).

Network(SSID)	Security	Signal Condition
ABCDEFGHIJ	Yes	■■■
XXXXXXXXXX	Yes	■
XXXXXXXXXX	Yes	■
XXXXXXXXXX	Yes	■
XXXXXXXXXX	Yes	■
XXXXXXXXXX	Yes	■
XXXXXXXXXX	Yes	■
XXXXXXXXXX	Yes	■

OK Cancel

- 13** After entering and checking the information to make sure that it is all correct, press the **Send** button.

When a confirmation message appears, click **OK**.

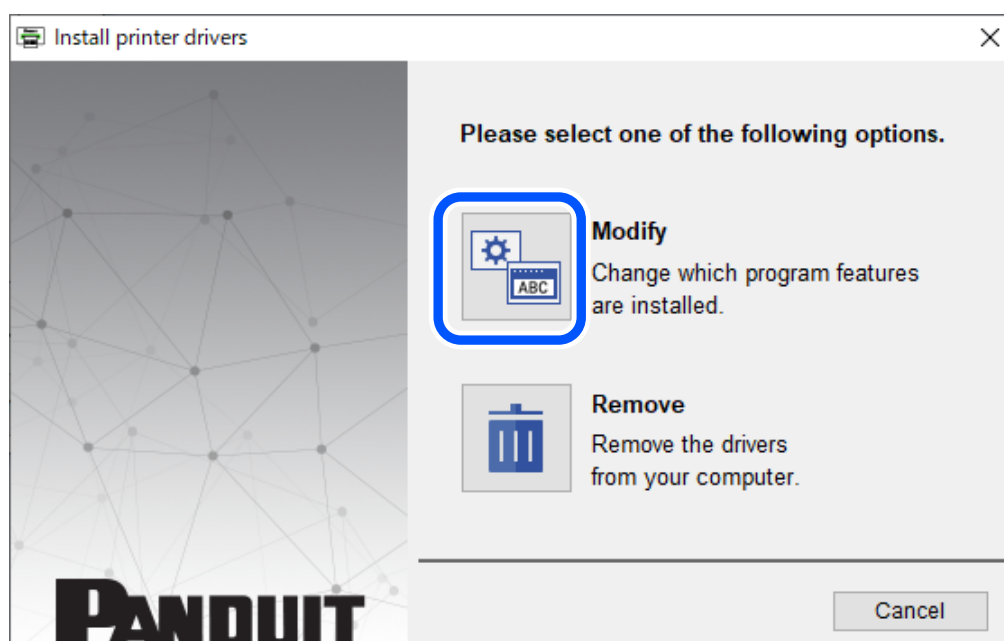
 IMPORTANT	<p>Check the below details if any error messages appear after you press the Send button.</p> <ul style="list-style-type: none"> • If a communications error appears: Check the printer power and USB cable connection status to make sure that the power is on and the cable connected, and try pressing the Send button again. • If a settings error appears: One or more of the entered setting values may be invalid or incorrect. Double-check the entered information again and correct any problems. If an administrator password has been set using the Network Configuration Tool, a screen asking for the password will appear when the Send button is pressed. You will not be able to configure the network settings unless you enter the correct password here. <p> "To change the password used to change the settings" on page 76</p>
--	---

- 14** Press the **Cancel** button to exit the Network Configuration Tool.

Disconnect the USB cable from the printer and computer.

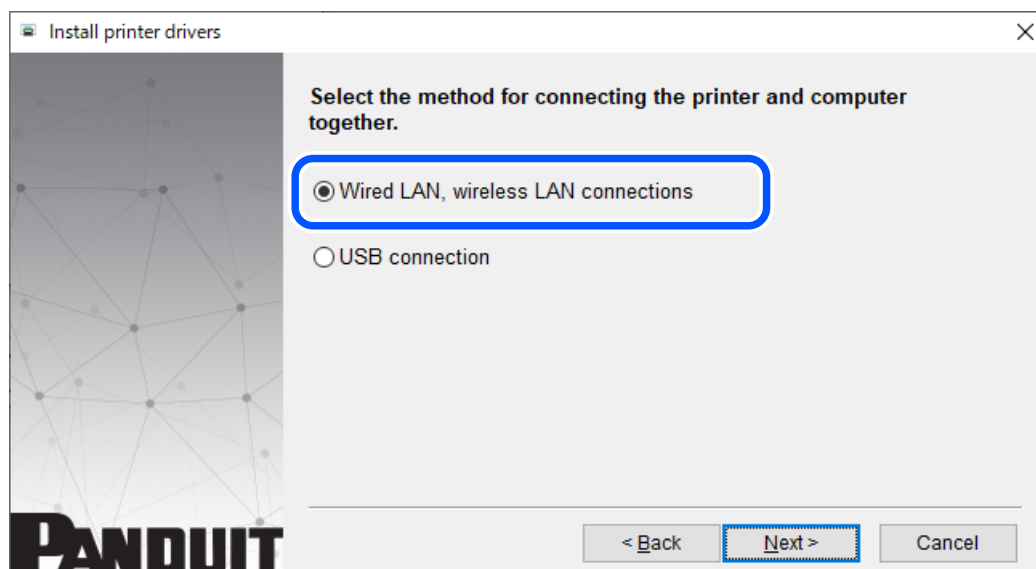
- 15** Start the printer driver installer again.

On the screen shown below, select **Modify**. Then select the target printer on the next screen.

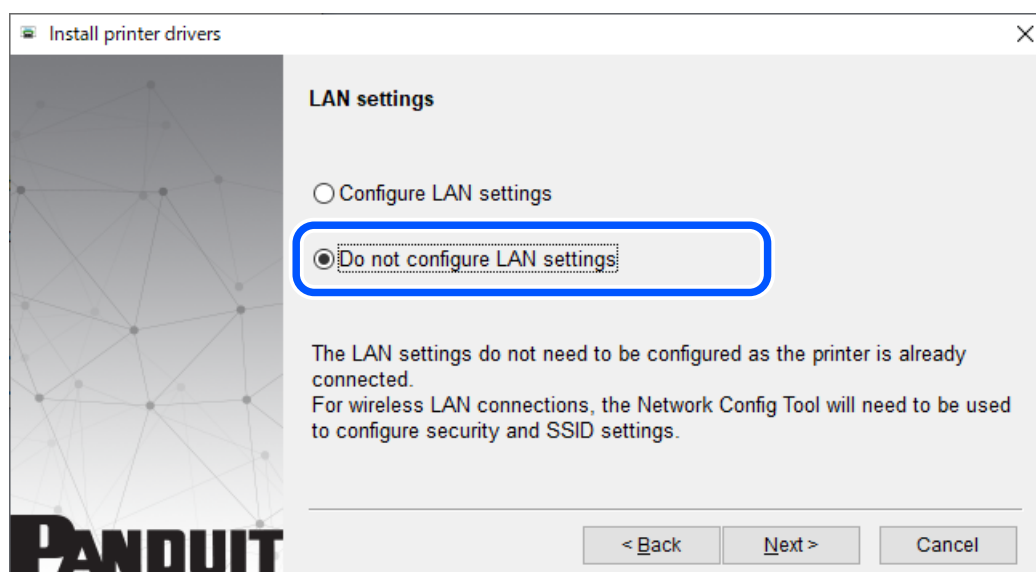


- 16** Follow the instructions shown on the screen to proceed until the next screen appears.

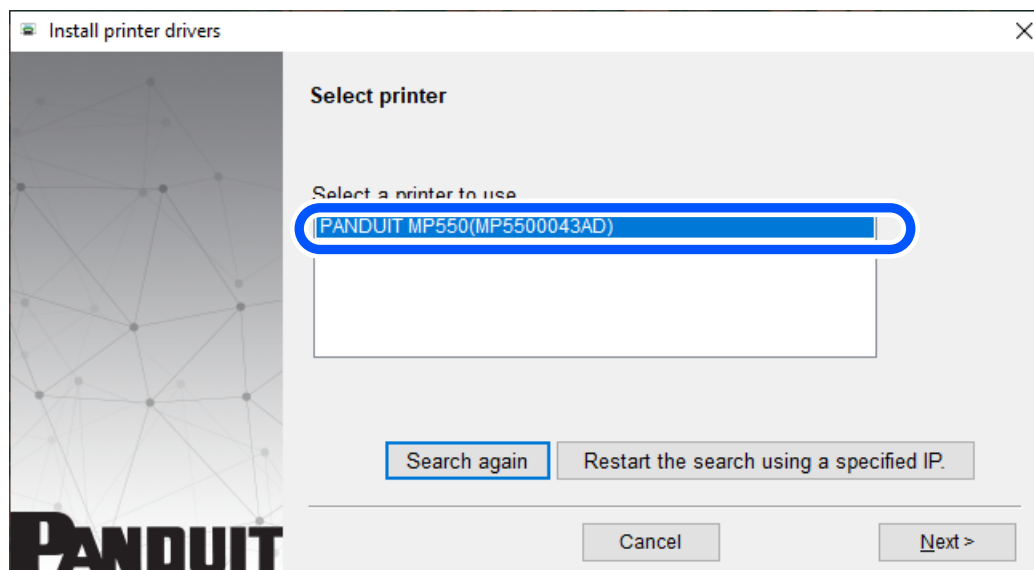
Once the screen appears, select **Wired LAN, wireless LAN connections**.



- 17** Select **Do not configure LAN settings**.



18 Select the printer to be used.



If you follow the instructions shown on screen to continue configuring the settings, the network printer driver will begin installing. The settings configuration process will finish when the installation is completed.

Print a test page from the printer driver to check to ensure that the printer is running correctly.



NOTE


- The printer will appear once the network settings have been configured. When the IP address for the printer is set to be acquired automatically: If the printer fails to appear, press the **Search again** button to try again. When the IP address for the printer is set to be fixed: Press the **Restart the search using a specified IP**, and input the specified IP address. If the printer still fails to appear even after you have completed the above, it indicates that the printer network settings have not been configured correctly. Try starting over from [Step 8](#).
- Searches made using the **Search again** button will only be performed within the same network segment. To connect to a printer in a network segment outside of the range of the router, check the IP address of the printer that you wish to connect to and try searching again using **Restart the search using a specified IP**.

Connecting via wireless LAN (Simple AP Mode)

Here, a description will be provided of the method for setting up a wireless LAN connection in Simple AP Mode. The below conditions must be met before this connection mode can be used.

- The computer or phone to be connected is set up for wireless LAN and the wireless LAN switch is turned on
- The computer is not connected to a network through a wireless LAN.
- The computer or phone is set up to acquire an IP address automatically

There are two methods available for configuring settings for a wireless LAN in Simple AP Mode, as described below. First, try to configure the settings using the push button. If that does not work to connect the printer, next try to configure the settings manually.

 ["Setting up wireless connection using the push button \(WPS\)" on page 34](#)

 ["Setting up the wireless connection manually" on page 42](#)



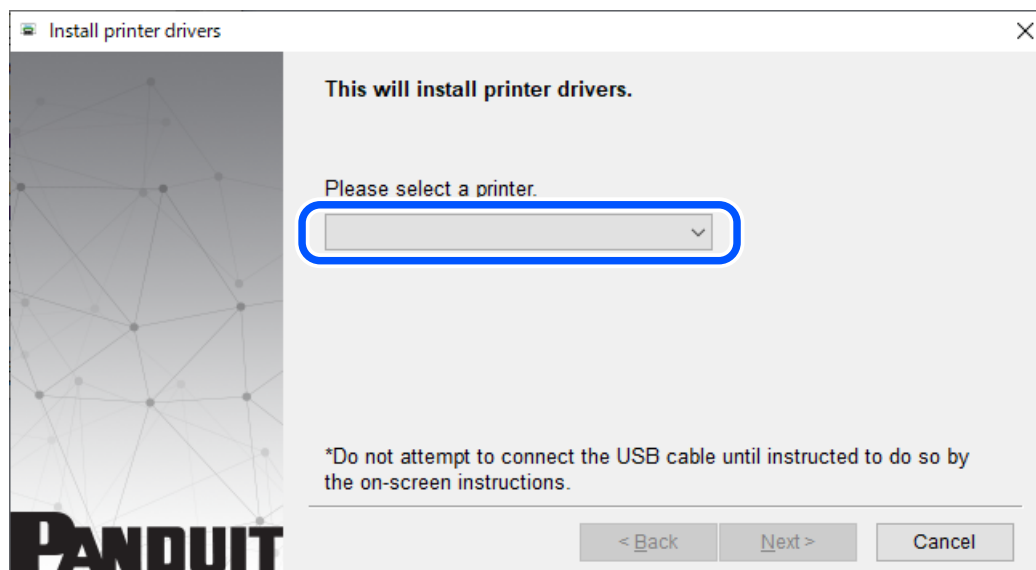
IMPORTANT

- Up to four devices can be connected at the same time with connections using Simple AP Mode. You cannot connect a fifth or subsequent device.
- You cannot connect devices other than a printer or connect to the Internet. Your Internet connection will be disconnected when you run this configuration.
- The security mode is fixed to WPA2-PSK (AES).

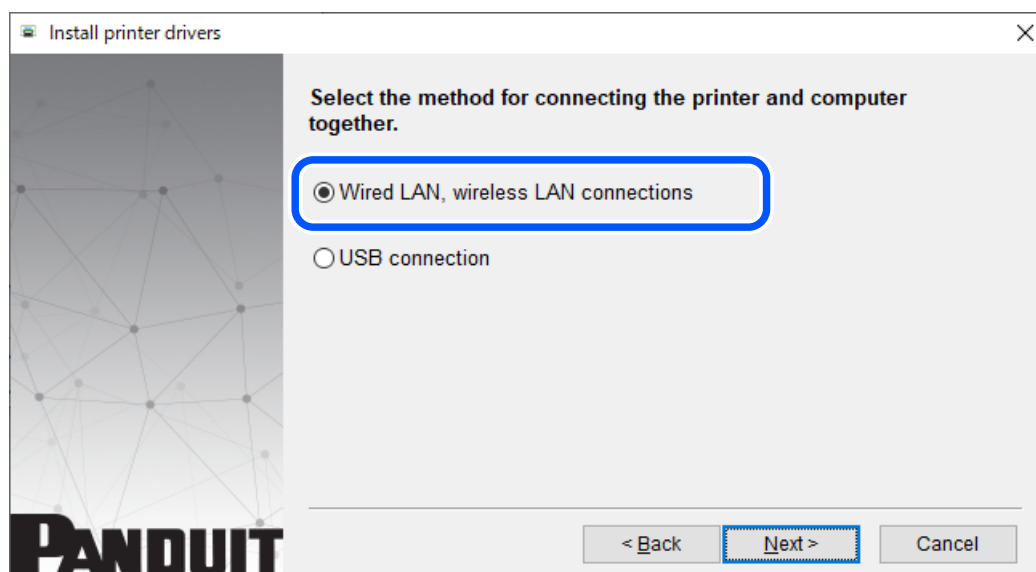
Setting up wireless connection using the push button (WPS)

- 1 Start the printer driver installer on a computer.
- 2 Check the content of the displayed License Agreement, and click **Agree** to signify that you have read and agree to the terms and conditions of the License Agreement. Next, follow the instructions on screen to proceed with the installation process.

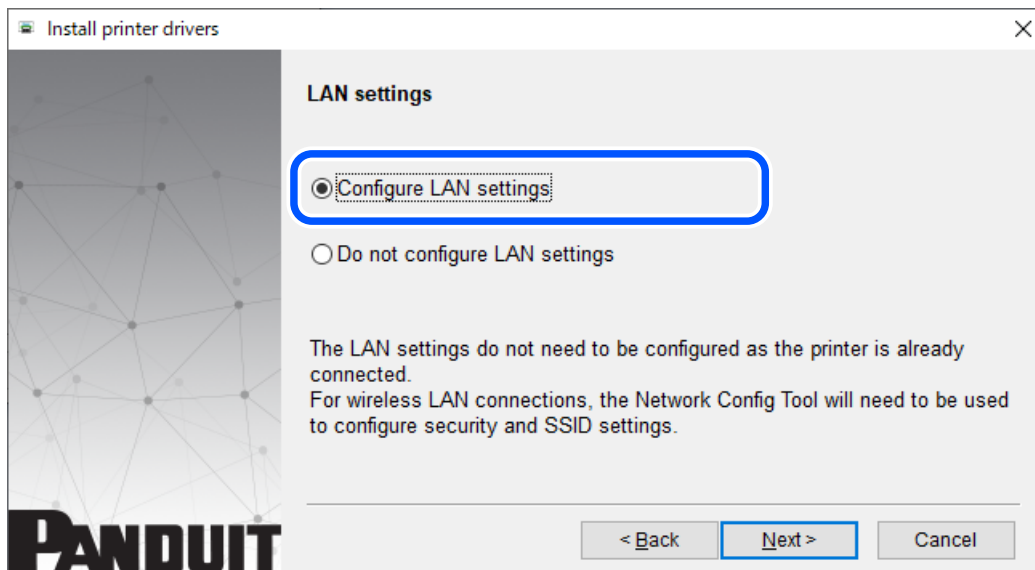
3 Select a model (the printer to be used).



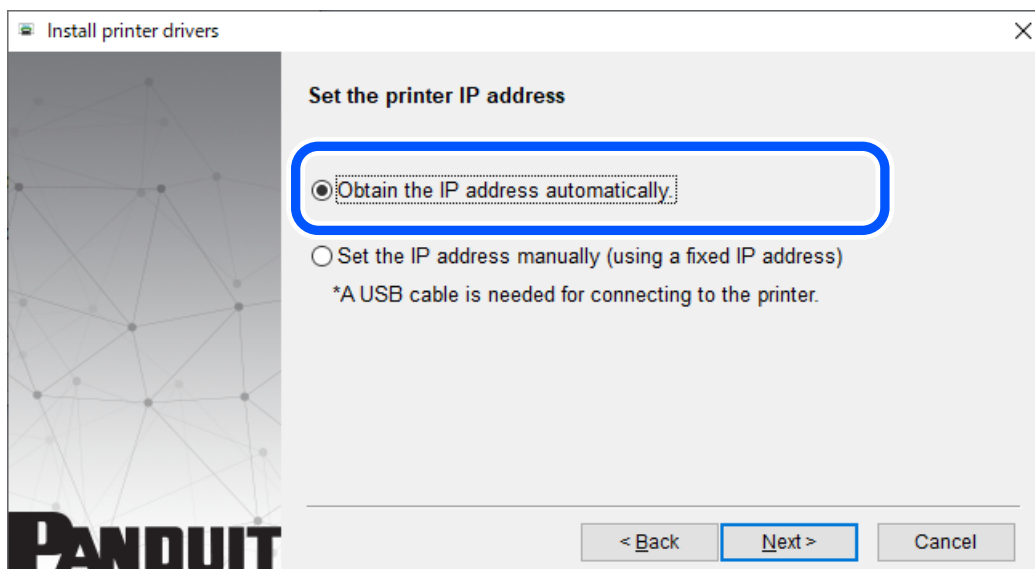
4 Select **Wired LAN, wireless LAN** connections.



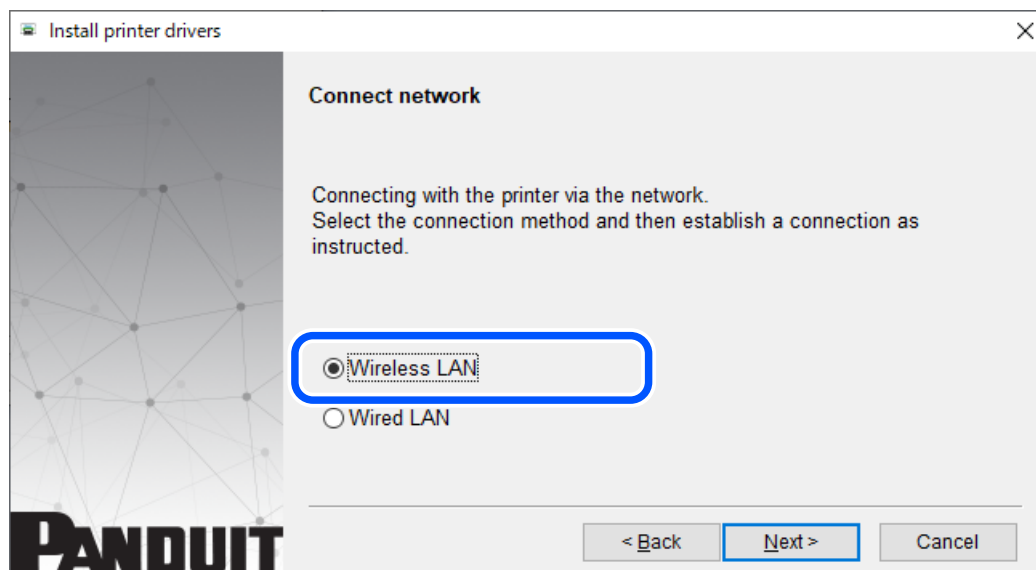
5 Select **Configure LAN settings**.



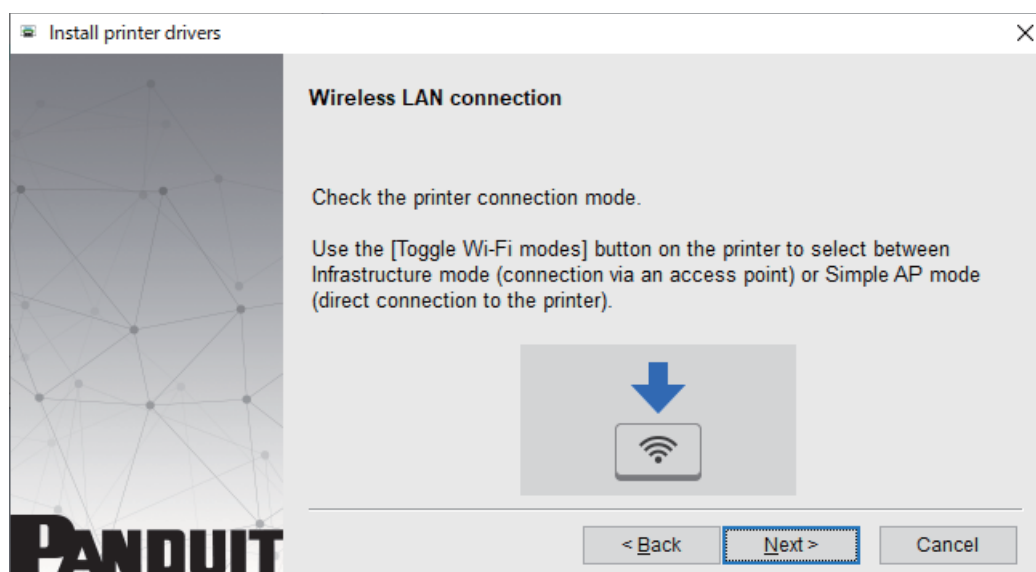
6 Select **Obtain the IP address automatically**.




7 Select **Wireless LAN**.




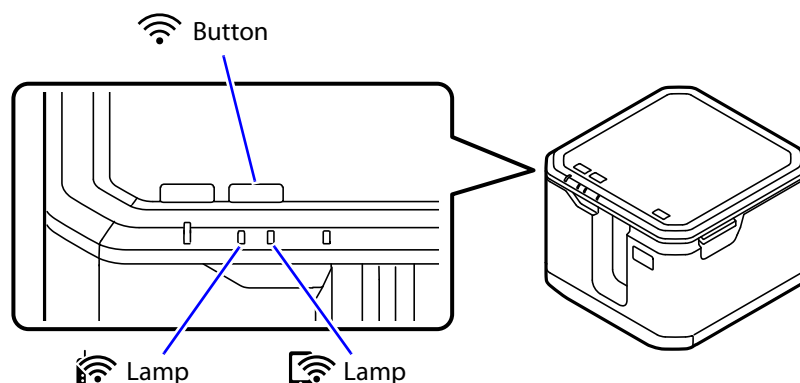
- 8 Once the next screen appears, leave the network cable and USB cable left unconnected, and turn on the power to the printer. Set the printer connection mode to Simple AP mode.



MP500

Press the  button repeatedly to scroll through the printer connection modes until you get to Simple AP Mode.


The  lamp will light up if the printer is set to Simple AP Mode.

**MP550**

Touch the LCD panel and set Wireless LAN Mode to Simple AP.

When the connection mode is set to Simple AP,  will be displayed on the LCD.


**NOTE**

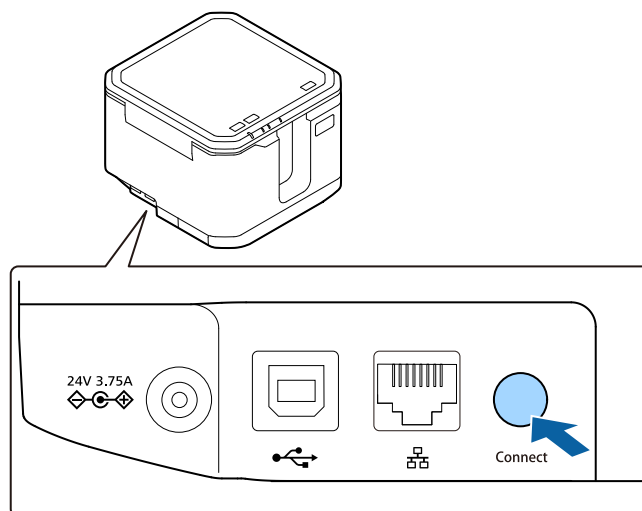
The  lamp will light up if the printer is set to Simple AP Mode. You can also check the printer connection mode by printing out the network status from the printer.


 ["Checking from the Printer" on page 61](#)

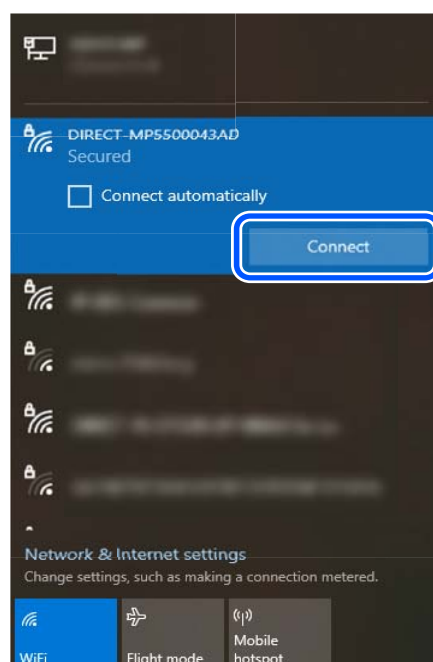
- 9** Follow the instructions on the screen to proceed with the settings configuration procedure.

Once the instruction to press the Connect button on the printer appears on the screen, check to make sure that the printer power is turned on and then press the Connect button.

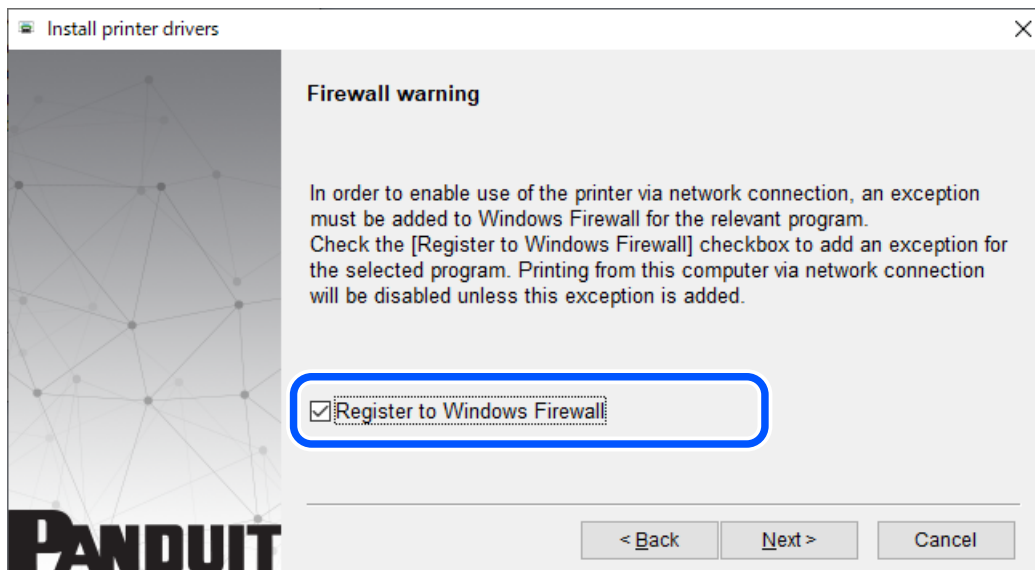
The  lamp on the printer will begin to flash, signaling the start of automatic configuration.



- 10** Click the network connection icon on the taskbar on your computer, and select the connection with the same SSID for the network status information. The printer and computer will communicate with each other to configure the settings. Once the settings have been configured, the  lamp on the printer will light up.

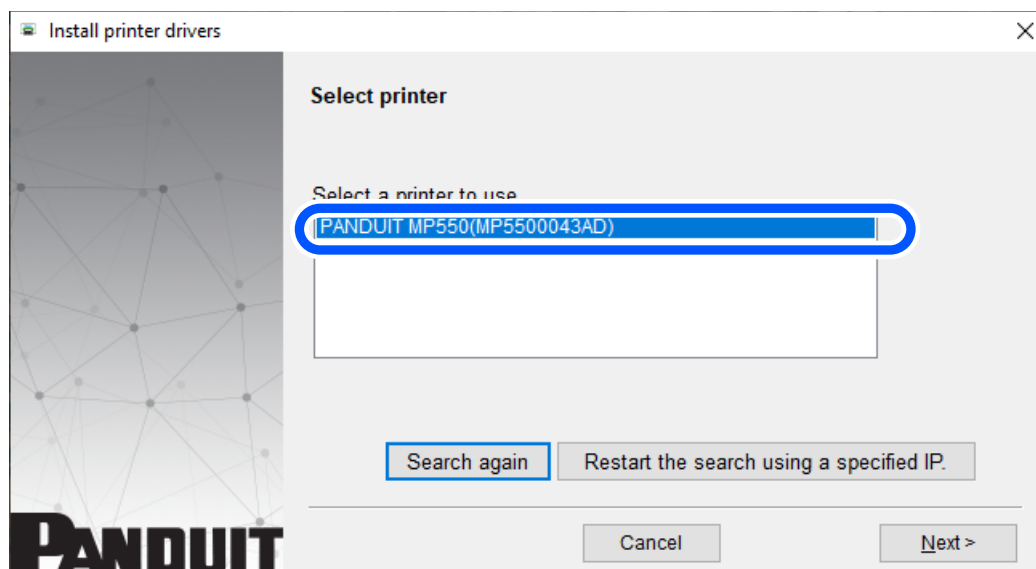


- 11** Check the **Register to Windows Firewall** checkbox, and proceed to the next screen.



12 Select a printer.

If you follow the instructions shown on screen to continue configuring the settings, the network printer driver will begin installing. Once the printer driver installation is complete, installation of the Network Configuration Tool will begin automatically.



NOTE

- The printer will appear if it is set to Simple AP Mode. If the printer fails to appear, press the **Search again** button to try again. If the printer still fails to appear, check that the printer is set to the correct wireless LAN mode, and try running the search again. If the above procedure does not work, refer to the page below to manually configure the network settings in Simple AP Mode.
["Setting up the wireless connection manually" on page 42](#)
- Print a test page from the printer driver to check to ensure that the printer is running correctly.


Setting up the wireless connection manually


If not able to configure the settings for a wireless LAN in Simple AP Mode using automatic push button configuration (p.34), try the procedures included here to configure the settings.

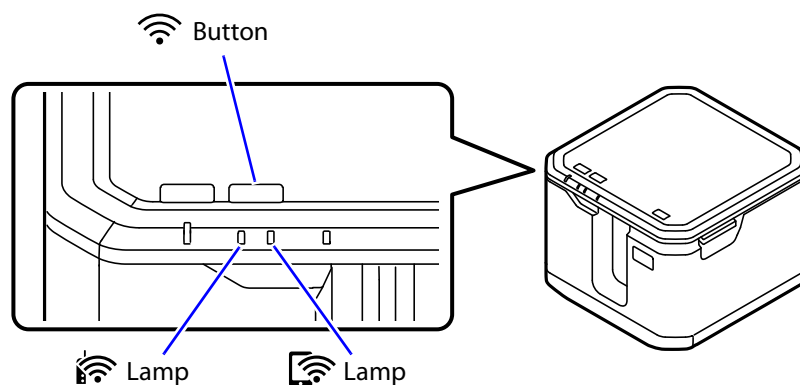
After switching the printer mode to Simple AP Mode, change the wireless LAN settings on the computer manually.

- 1 With the network cable and USB cable left unconnected, turn on the power to the printer.

MP500

Press the  button repeatedly to scroll through the printer connection modes until you get to Simple AP Mode.

The  lamp will light up if the printer is set to Simple AP Mode.



MP550


Touch the LCD panel and set Wireless LAN Mode to Simple AP.

When the connection mode is set to Simple AP,  will be displayed on the LCD.



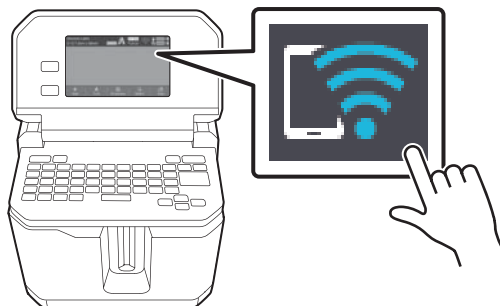
2 Print the network status information sheet.

MP500

Press and hold the  button for more than 3 seconds to print a network status sheet. Refer to ["Checking from the Printer" on page 61](#).

MP550

Touch the Wi-Fi icon on the LCD to open the **Network Settings** screen. Select **Print Connection Information** and print the network status sheet. Refer to ["Checking from the Printer" on page 61](#).

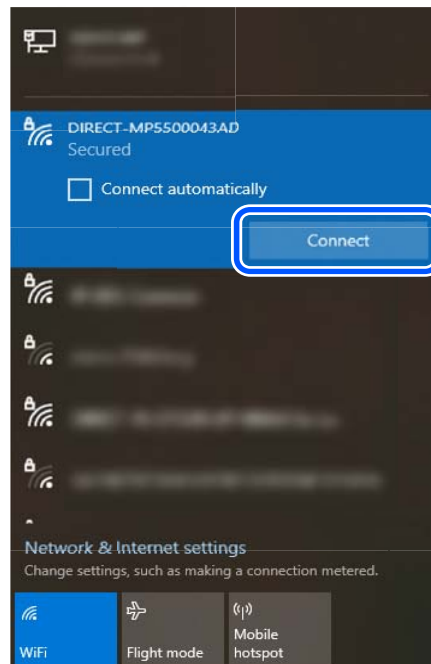


3 Check the network status information that was printed out. Configure the network settings using the **SSID** and **Password** listed in the **<WLAN Simple AP>** box.

```
<General>
Software      X.XXX
Printer       MP550XXXXXX
Bonjour       Panduit MP550
WLAN Mode     Infrastructure
<LAN>
IP            Auto(192.168.0.1/255.255.255.0)
MAC           XXXXXXXXXXXX
<WLAN Infrastructure>
IP            Auto(0.0.0.0/255.255.255.0)
MAC           XXXXXXXXXXXX
SSID          SSIDXXXXXXXX
```

```
<WLAN Simple AP>
SSID         DIRECT-MP550XXXXXXXXX
Password     XXXXXXXX
```

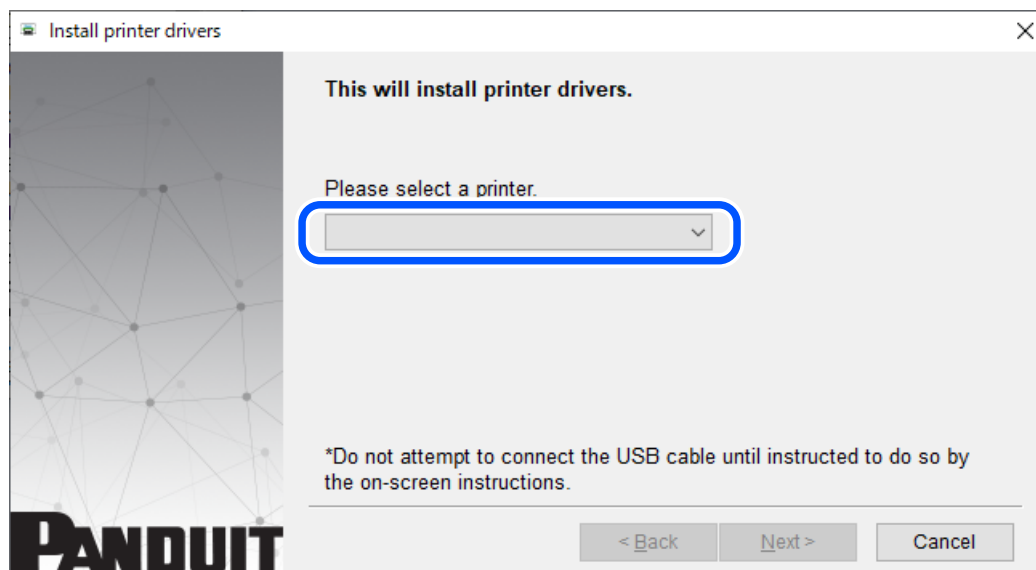
- 4 Click the network connection icon on the taskbar on your computer, and select the connection with the same SSID for the network status information.



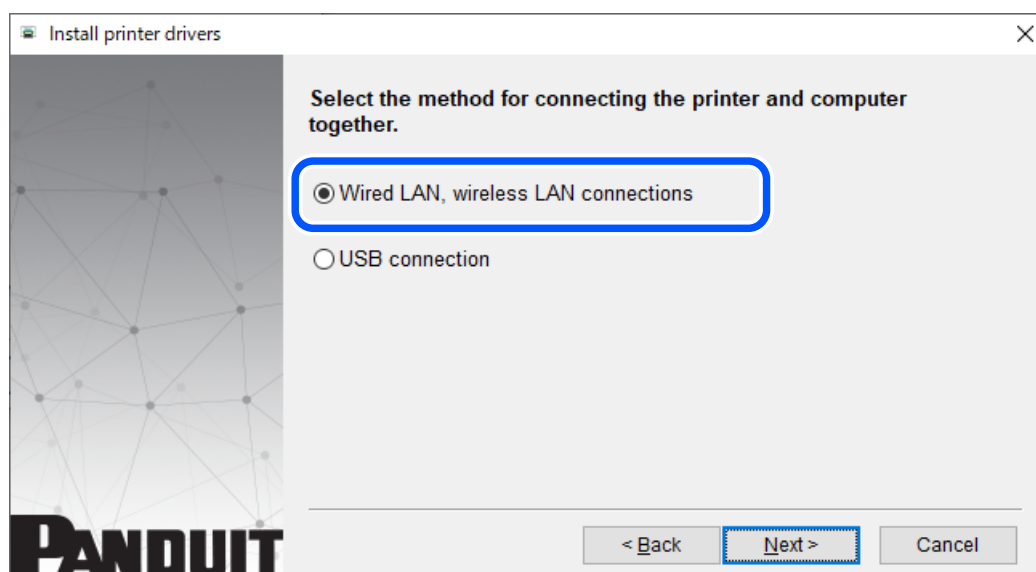
Once the screen asking for you to input the security key appears, enter the details listed under "Password" in the network status information.

- 5 Start the printer driver installer on a computer.
- 6 Check the content of the displayed License Agreement, and click **Agree** to signify that you have read and agree to the terms and conditions of the License Agreement. Next, follow the instructions on screen to proceed with the installation process.

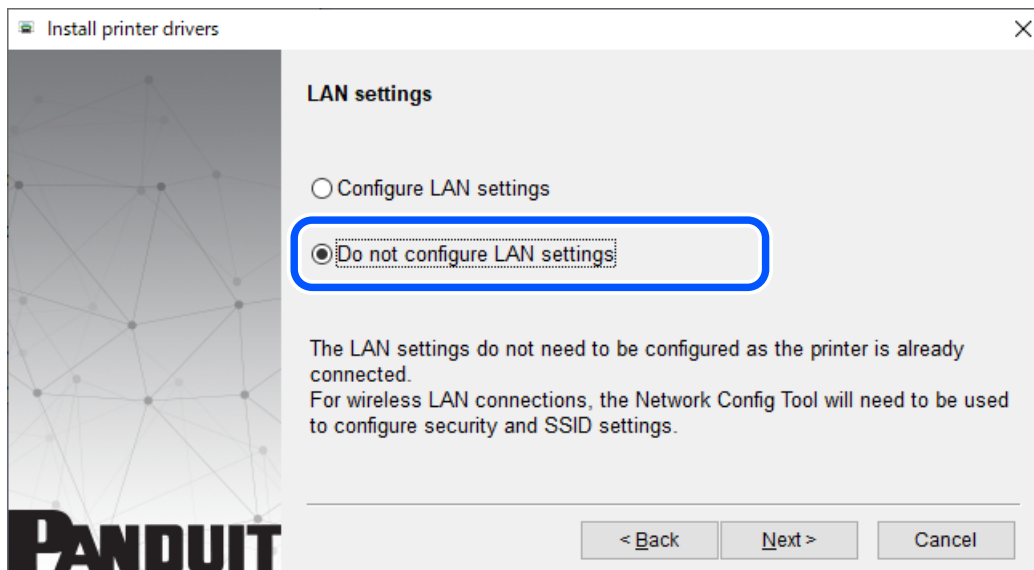
7 Select a model (the printer to be used).



8 Select **Wired LAN, wireless LAN connections**.

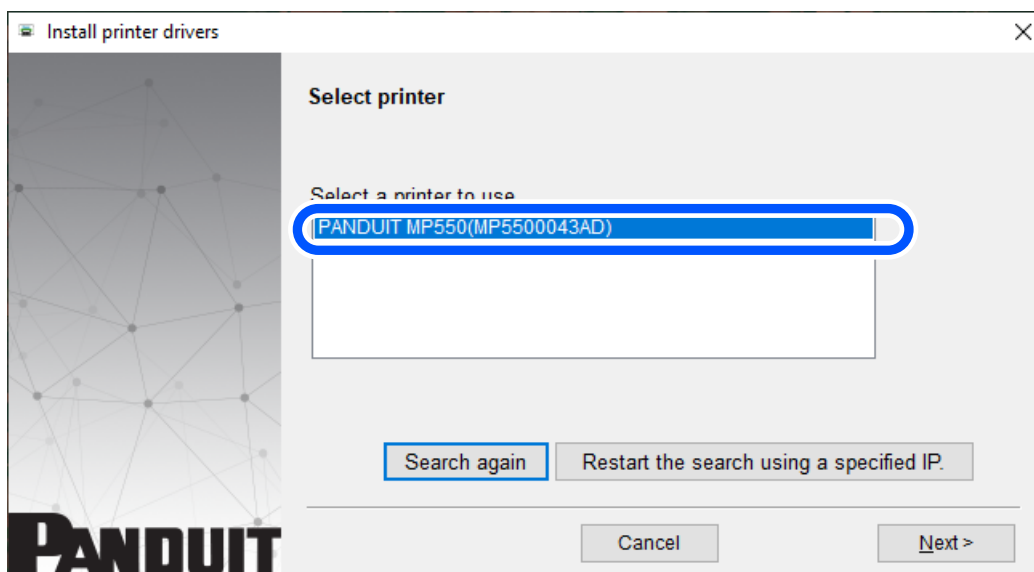


9 Select **Do not configure LAN settings**.



10 Select a printer.

If you follow the instructions shown on screen to continue configuring the settings, the network printer driver will begin installing. Once the printer driver installation is complete, installation of the Network Configuration Tool will begin automatically.



NOTE

- If the printer fails to appear, press the **Search again** button to try again. If the printer still fails to appear, check that the printer is set to the correct wireless LAN mode, and try running the search again or start over from the beginning.
- Print a test page from the printer driver to check to ensure that the printer is running correctly.

Disconnecting from Simple AP mode connection

Up to four wireless devices can be connected to a printer in Simple AP Mode.

When four wireless devices have already been connected, and you want to connect a new wireless device, first you need to disconnect one of the four devices. Make sure the device you are going to disconnect is not using the printer, and disable the device's wireless setting or connect it to another network.



NOTE

If unable to specify a single device connected to the printer, change the Pre-Shared Key (PSK) for Simple AP Mode on the printer to enable up to four wireless devices to be connected at a time. Make sure to proceed carefully when attempting to change the Pre-Shared Key (PSK) for Simple AP Mode as all Wi-Fi connections for devices already connected will be disconnected if the Pre-Shared Key (PSK) for Simple AP Mode is changed.

For information on how to change the security key, see the following page.

[🔗 "How to Check the Settings" on page 61](#)

Connecting via wired LAN

Connect the computer and printer to a commercial broadband router or hub via a LAN cable.

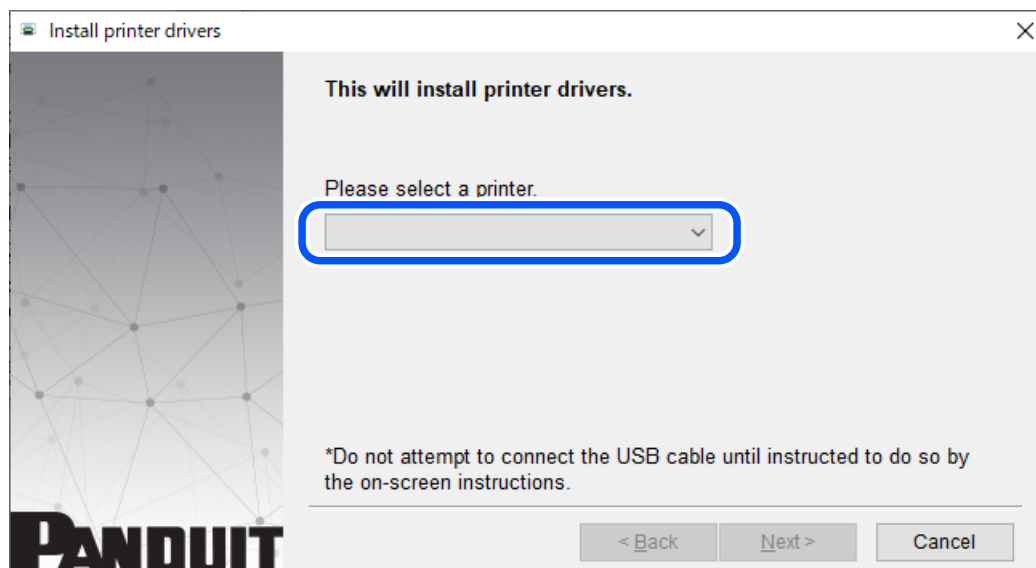


IMPORTANT

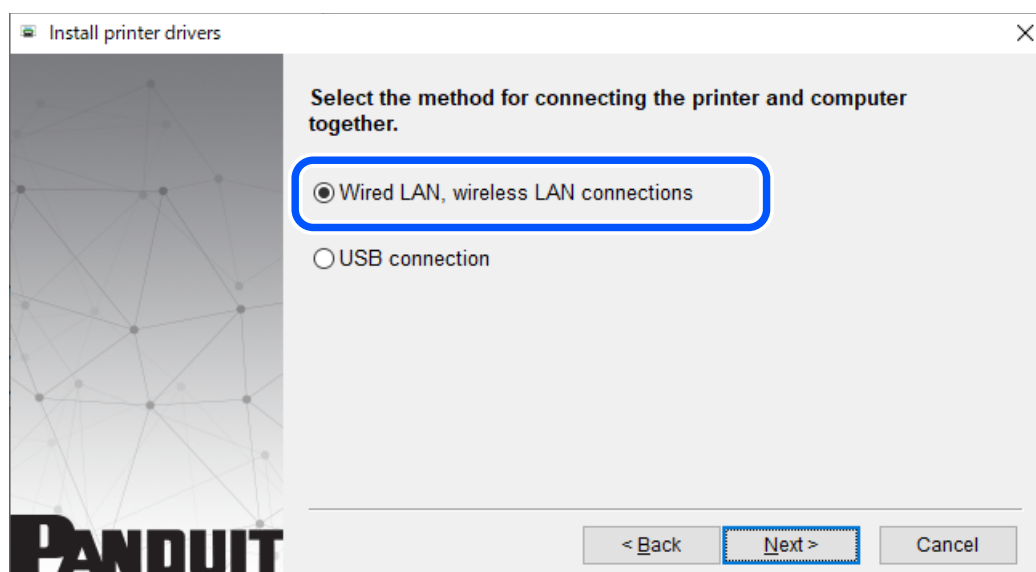
The computer needs to be connected to a network device such as a router and the network enabled in advance before you will be able to proceed.

- 1 Start the printer driver installer on a computer.
- 2 Check the content of the displayed License Agreement, and click **Agree** to signify that you have read and agree to the terms and conditions of the License Agreement. Next, follow the instructions on screen to proceed with the installation process.

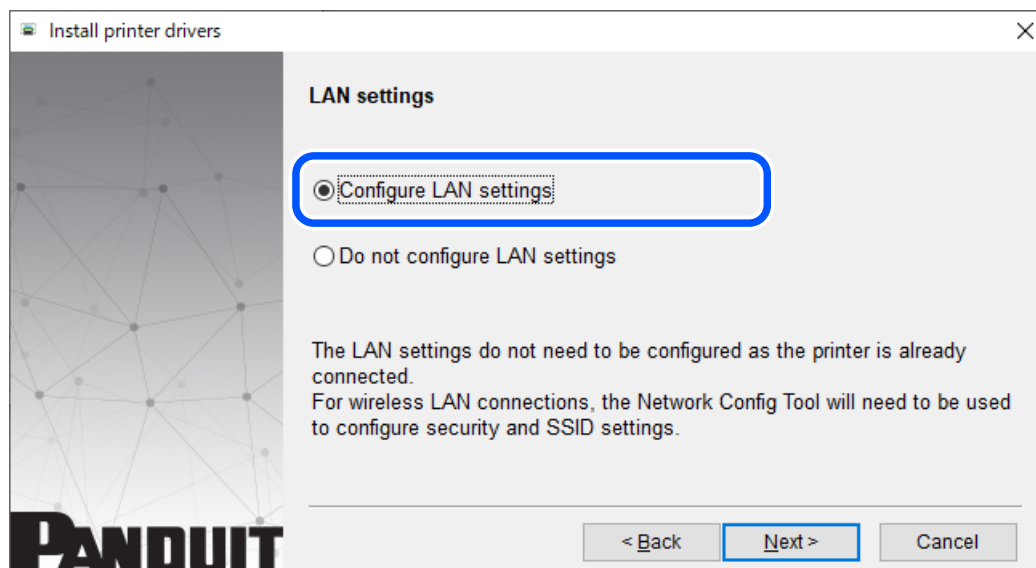
3 Select a model (the printer to be used).



4 Select **Wired LAN, wireless LAN** connections.



5 Select **Configure LAN settings**.



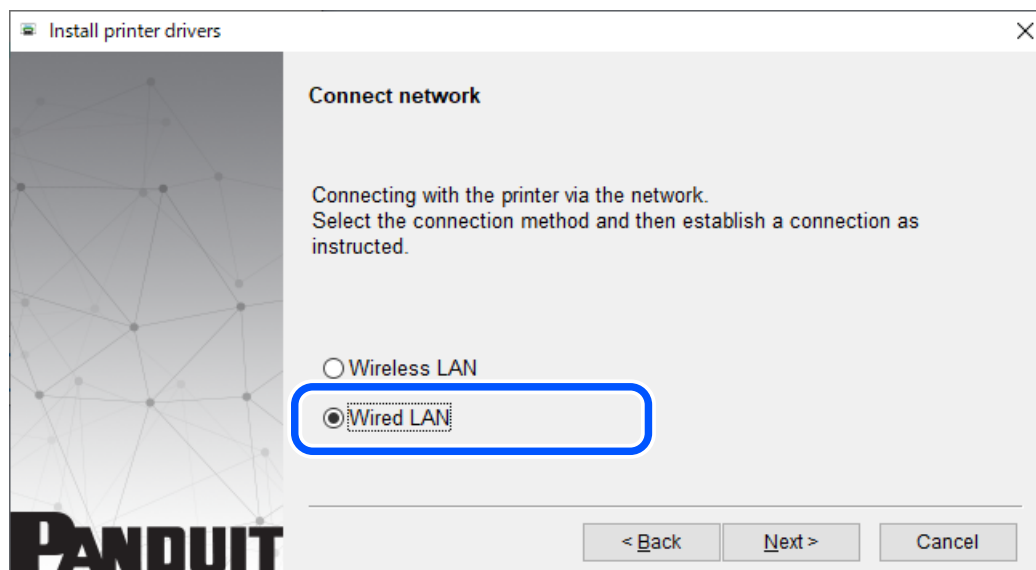
6 Select **Obtain the IP address automatically**.



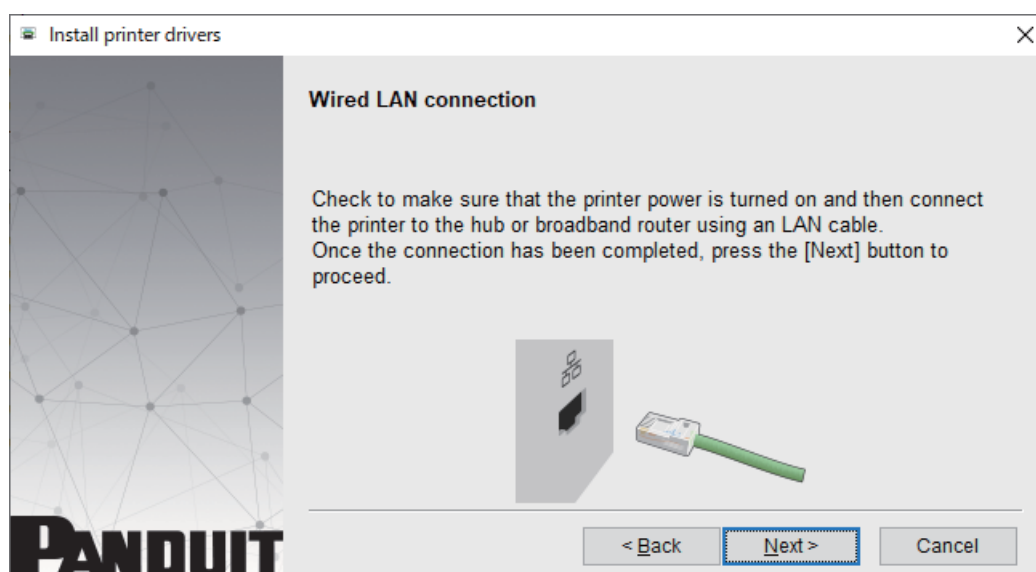
NOTE

To manually set the IP address of the printer, see the following page.
["Setting the IP address manually" on page 52](#)

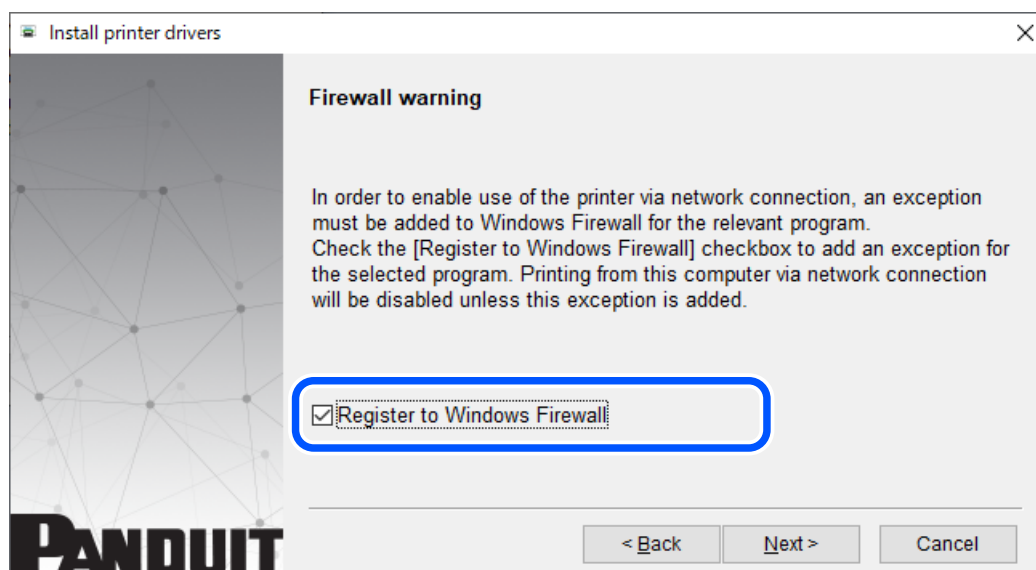
7 Select **Wired LAN**.



8 Follow the instructions on the screen, and connect the printer to the hub or broadband router using a network cable.

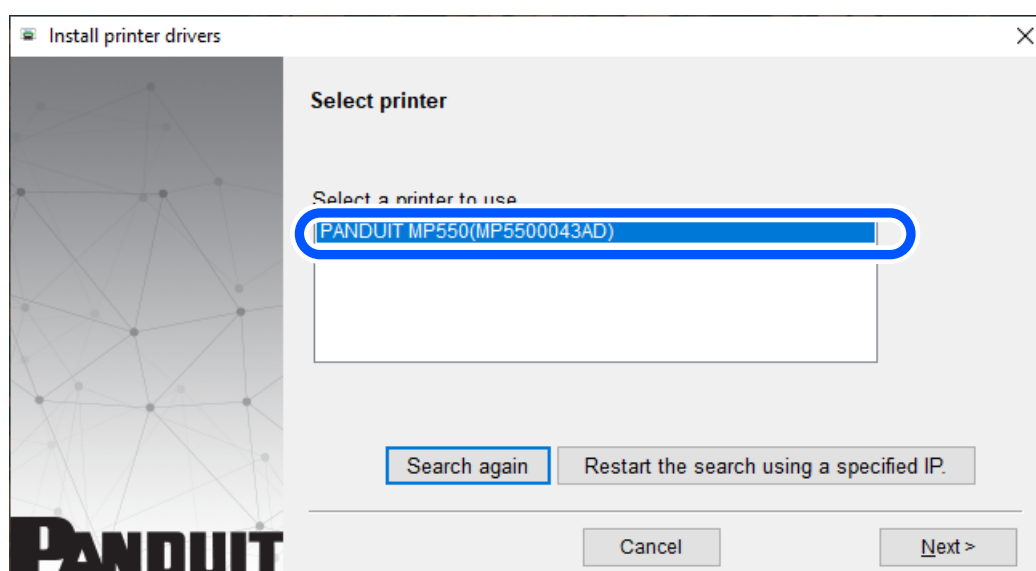



- 9 Check the **Register to Windows Firewall** checkbox, and proceed to the next screen.



- 10 The installer will search the network and display a list of printers that are connected to the network. Select the printer to be used.


If you follow the instructions shown on screen to continue configuring the settings, the network printer driver will begin installing. Once the printer driver installation is complete, installation of the Network Configuration Tool will begin automatically.



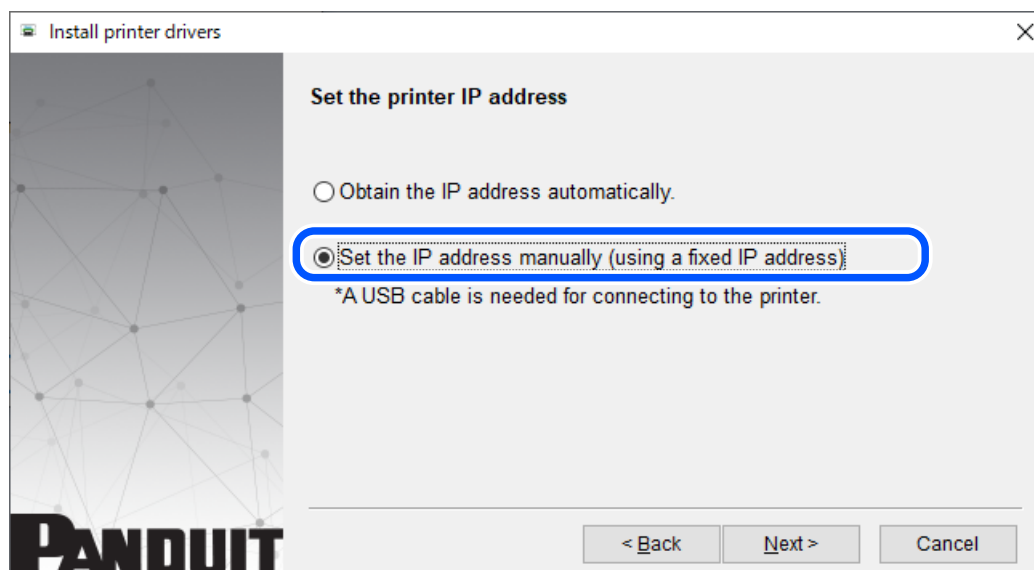
 NOTE	<ul style="list-style-type: none"> • The printer will appear once the network settings have been configured. Try completing the following procedures if the printer fails to show up: If the IP address was set manually: Press the Restart the search using a specified IP, and input the specified IP address on the screen that appears. If the IP address was obtained automatically: Press the Search again button. If the printer still fails to appear even after you have completed the above, it indicates that the printer network settings have not been configured completely. Try starting over from the beginning. • Searches made using the Search again button will only be performed within the same network segment. To connect to a printer in a network segment outside of the range of the router, check the IP address of the printer that you wish to connect to and try searching again using Restart the search using a specified IP. • Print a test page from the printer driver to check to ensure that the printer is running correctly.
---	---

Setting the IP address manually

Complete the below procedures to manually configure the necessary settings to use a fixed IP address of the printer when the below screen appears while the network settings are being configured.

 NOTE	<p>The information needed for setting an IP address manually is as listed below. Check with your network administrator beforehand to prepare all information needed and help the process go more smoothly.</p> <ul style="list-style-type: none"> • IP address set for the printer • Subnet mask • Default gateway
--	---

- 1 When the below screen appears while the network settings are being configured, select **Set the IP address manually (using a fixed IP address)**.



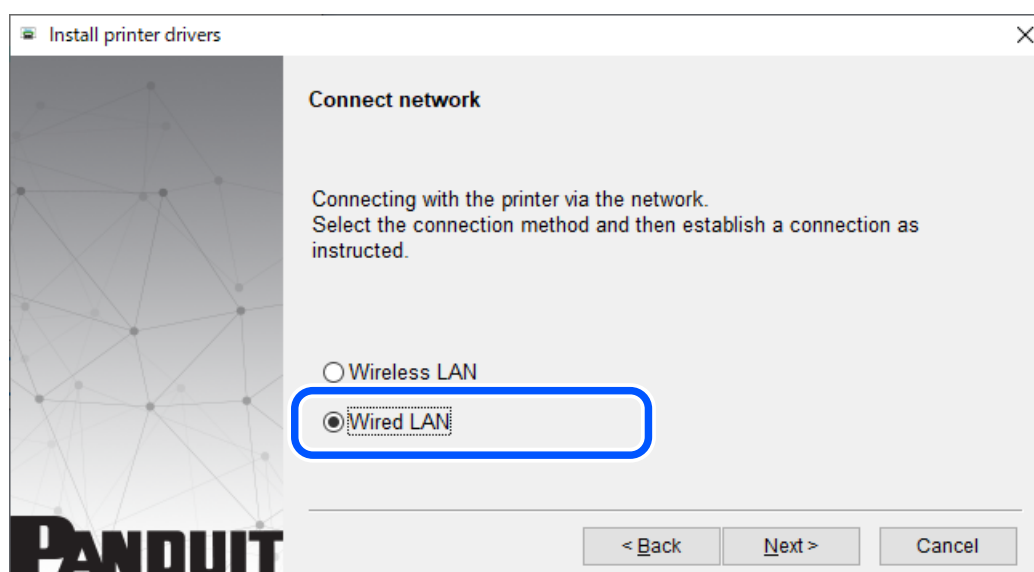
- 2 Install the USB printer driver in order to set the IP address for the printer. Follow the instructions shown on screen to install the printer driver.



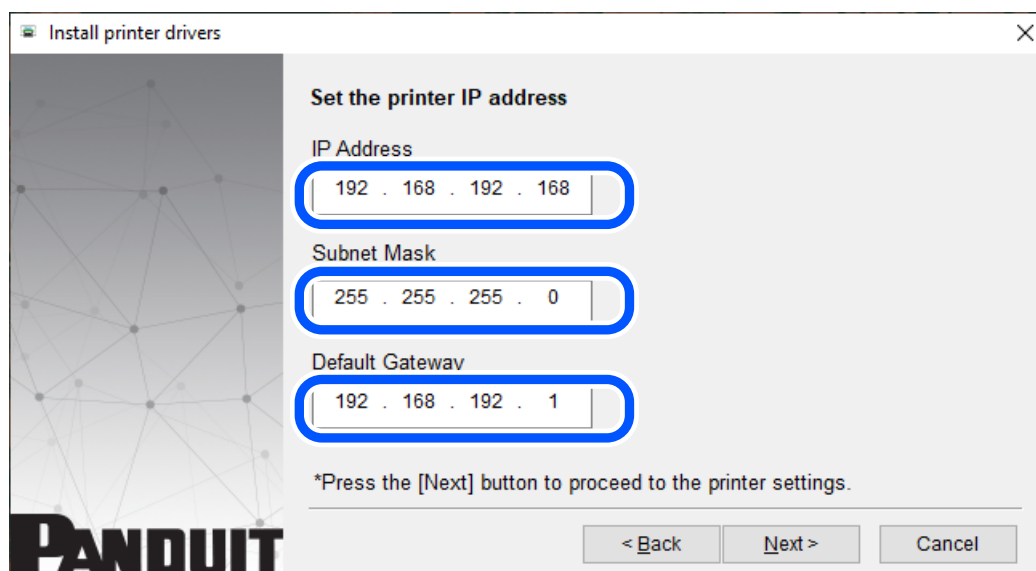
IMPORTANT

Follow the instructions shown on the screen to connect the printer and computer together using a USB cable. Be sure to leave the USB cable connected once the USB printer driver has been installed as you will need it to set the IP address.

- 3 Select **Wired LAN**.



4 Enter the IP address, subnet mask, and default gateway for the printer.



Install printer drivers

Set the printer IP address

IP Address
192 . 168 . 192 . 168

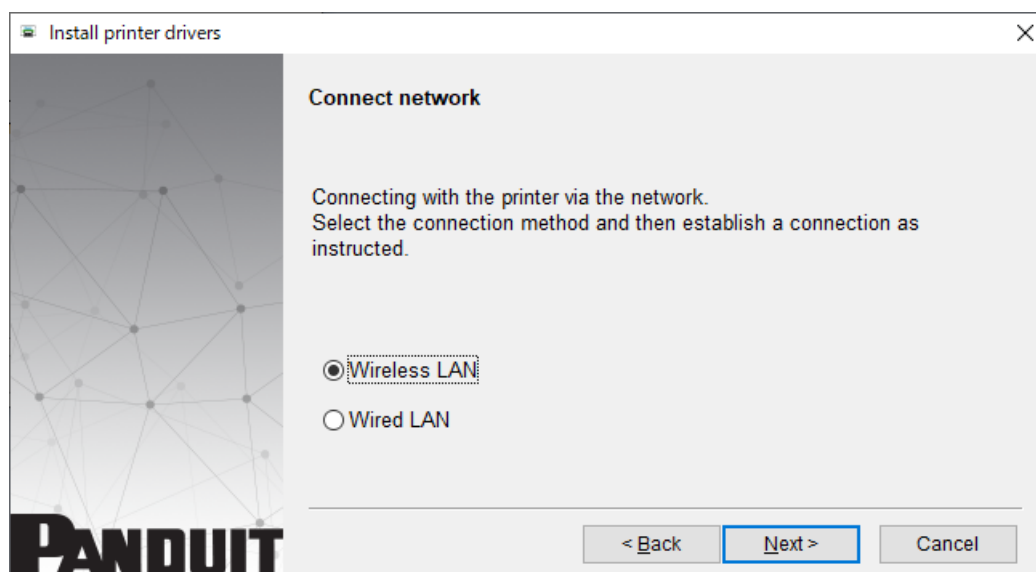
Subnet Mask
255 . 255 . 255 . 0

Default Gateway
192 . 168 . 192 . 1

*Press the [Next] button to proceed to the printer settings.

< Back Next > Cancel

5 Once the next screen appears, disconnect the USB cable from the printer. Next, select the network connection method to be used and proceed with configuring the settings.



Install printer drivers

Connect network

Connecting with the printer via the network.
Select the connection method and then establish a connection as instructed.

☒ Wireless LAN

☐ Wired LAN

< Back Next > Cancel

Connecting to a Mobile Device

A description will be provided of methods for connecting a portable terminal such as a smartphone or tablet to a printer that has had its network settings configured.

IMPORTANT

You will need to configure the network settings in advance on the printer depending on the connection method.

- The printer will be set to Simple AP Mode for cases involving one printer and one portable terminal device.
["Connecting via wireless LAN \(Simple AP Mode\)" on page 34](#)
- If connecting the printer via a network, the printer will be connected to the network.
["Connecting via wireless LAN \(Infrastructure Mode\)" on page 11](#)

Panduit application for mobile devices

In order to print labels on the printer from your smartphone or tablet device, you will need to install software that supports your particular smartphone or tablet device.

NOTE

- Check the Panduit Corporation for the latest information on compatible operating systems.
www.panduit.com
- For details on how to install individual applications and their associated functions and features, check the pages provided by the distributors of the software directly.
- The smartphone or tablet to which the application is to be downloaded must have its wireless LAN function turned on and be in an environment where it can connect to a network before the application can be downloaded. Check the manual for your portable terminal device for instructions on how to configure network settings for your smartphone or tablet.

Connection Procedure

- 1 Start up the application, tap the printer icon (Printer Setting) on the tool bar, and then display the list of the applicable printers that can be used on the print setting menu.
A list will come up that lists the applicable printers that can be used.
- 2 Select the printer that you are using from the list to start printing.

**NOTE**

Check the following points if the printer fails to show up:

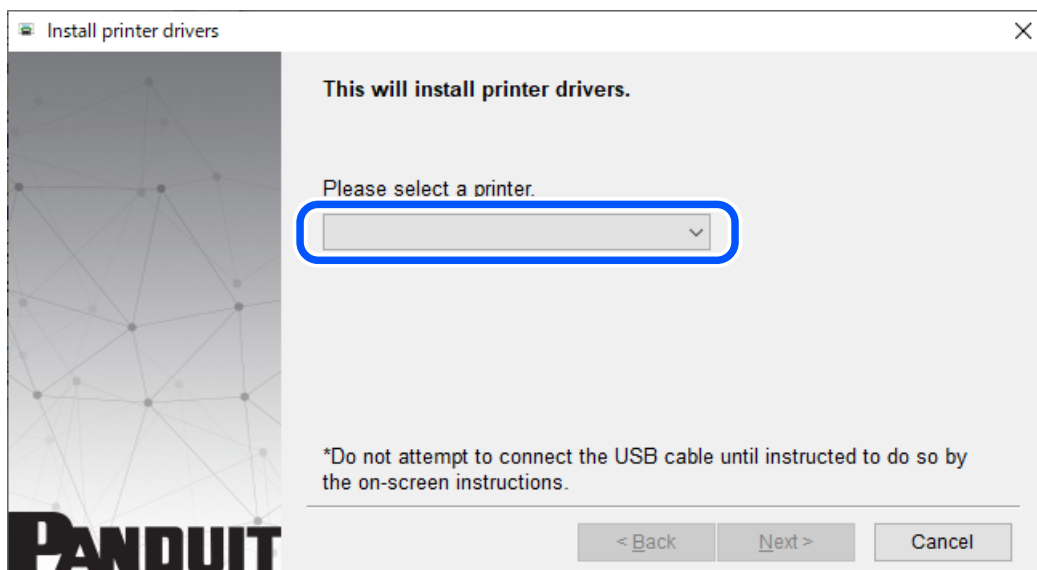
- Is the wireless LAN function on your smartphone or tablet enabled?
- Are the network settings configured correctly on the printer?

Connecting from Another Computer or Device

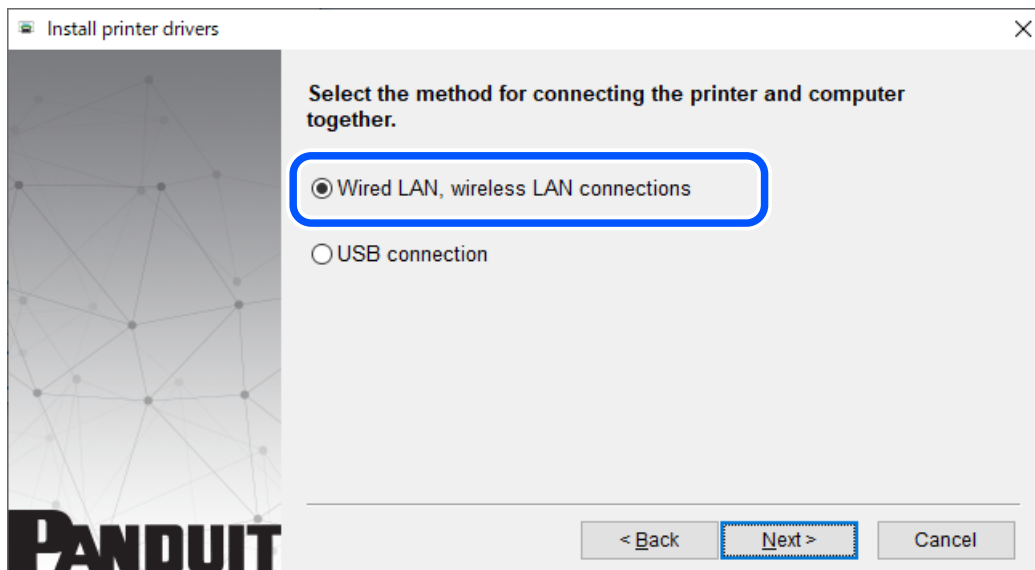
Below is a description of the procedures for enabling the printer to be used on a separate computer (a second or subsequent computer) or portable terminal device other than the computer used to configure the network settings for the printer via a network.

Connecting from another computer

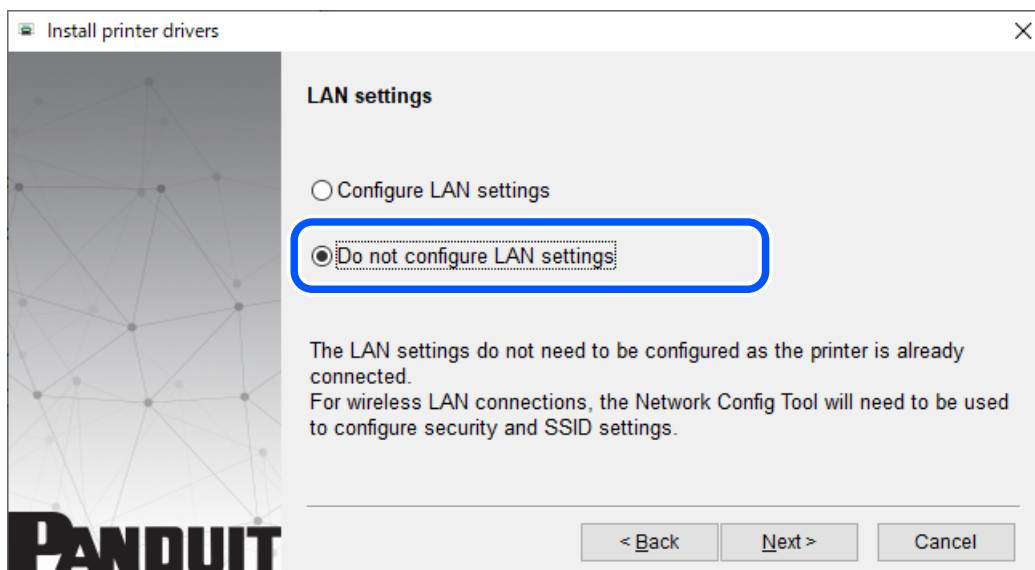
- 1 Start the printer driver installer on a computer.
- 2 Check the content of the displayed License Agreement, and click **Agree** to signify that you have read and agree to the terms and conditions of the License Agreement. Next, follow the instructions on screen to proceed with the installation process.
- 3 Select a model (the printer to be used).



4 Select **Wired LAN, wireless LAN connections**.

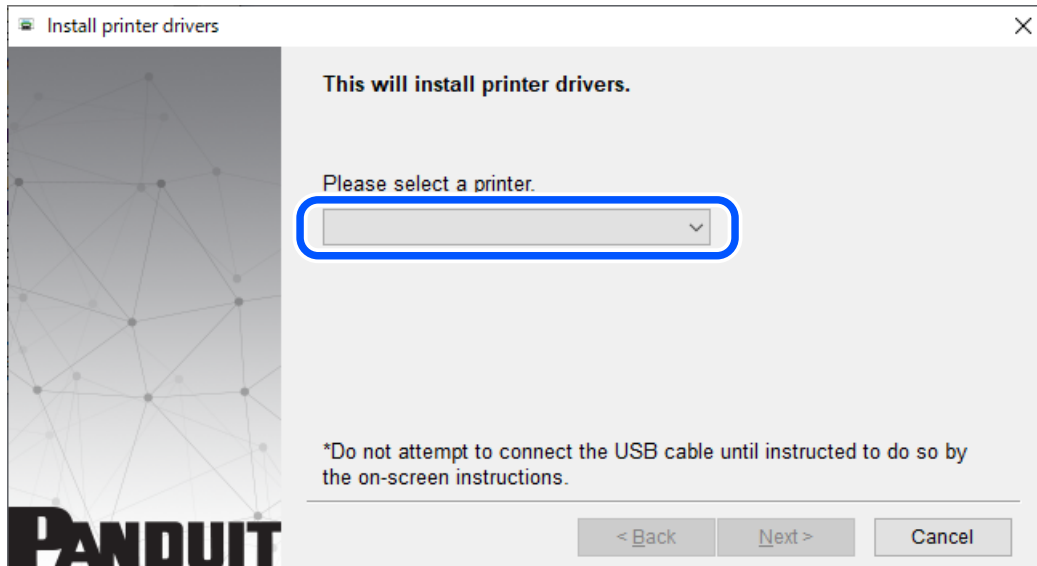


5 Select **Do not configure LAN settings**.



6 Select a printer.

If you follow the instructions shown on screen to continue configuring the settings, the network printer driver will begin installing. Once the printer driver installation is complete, installation of the Network Configuration Tool will begin automatically.



NOTE

- The printer will appear once the network settings have been configured. Try completing the following procedures if the printer fails to show up:
If the IP address was set manually:
Press the **Restart the search using a specified IP**, and input the specified IP address on the screen that appears.
If the IP address was obtained automatically:
Press the **Search again** button.
If the printer still fails to appear even after you have completed the above, it indicates that the printer network settings have not been configured completely.
Try starting over from the beginning.
- Searches made using the **Search again** button will only be performed within the same network segment. To connect to a printer in a network segment outside of the range of the router, check the IP address of the printer that you wish to connect to and try searching again using **Restart the search using a specified IP**.
- Print a test page from the printer driver to check to ensure that the printer is running correctly.

Connecting from another mobile device

Start up the application, tap the printer icon (Printer Setting) on the tool bar, and then display the list of the applicable printers that can be used on the print setting menu.

A list will come up that lists the applicable printers that can be used.

Select the printer that you are using from the list to start printing.

How to Check the Settings

There are two methods available for checking the network settings for the printer, one is to check by printing the network status from the printer and the other is to check using the Network Configuration Tool. You can use the Network Configuration Tool to make changes to the printer network settings.

Checking from the Printer

You can check the network settings by printing the network status from the printer.



NOTE

To print the network settings from the printer, make sure to insert tape that is as wide as possible. Note that pre-cut labels cannot be used to print out network settings.

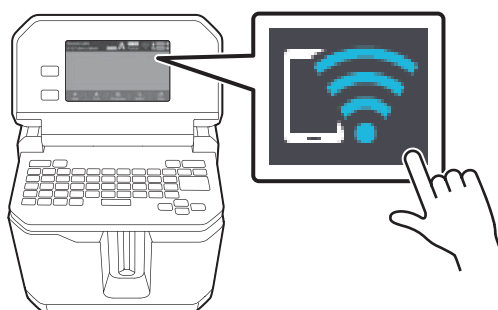
1 Print the network status information sheet.

MP500

Press and hold the  button for more than 3 seconds to print a network status sheet.

MP550

Touch the Wi-Fi icon on the LCD to open the **Network Settings** screen. Select **Print Connection Information** and print the network status sheet.



2 The network setting details will be printed out.

<General>		<WLAN Infrastructure>	
Software	X.XXX	IP	Auto(0.0.0.0/255.255.255.0)
Printer	MP500XXXXXX	MAC	XXXXXXXXXXXX
Bonjour	Panduit MP500	SSID	SSIDXXXXXXXX
WLAN Mode	Infrastructure	<WLAN Simple AP>	
<LAN>		SSID	DIRECT-MP500XXXXXXXX
IP	Auto(192.168.0.1/255.255.255.0)	Password	XXXXXXXX
MAC	XXXXXXXXXXXX		

3 The types of details printed out on the tape are as listed below.

Item	Printing examples	Description
<General>	---	Prints out general setting details.
Software	2.222	Prints out the printer firmware version.
Printer	MP500XXXXXX	Prints out the printer name.
Bonjour	Panduit MP500	Prints out the Bonjour service name.
WLAN Mode	Infrastructure	Prints out the name of one of the below printer wireless LAN modes. Infrastructure/Simple AP/Disable Wi-Fi
<LAN>	---	Prints out the settings for the Wired LAN.
IP	Auto (192.168.0.1/ 255.255.255.0)	Prints out the specified IP address and subnet mask. Displays that the IP address is to be acquired automatically when Auto is printed out.
MAC	XXXXXXXXXXXX	Prints out the MAC address for the Wired LAN.
<WLAN Infrastructure>	---	Prints out the settings for the wireless LAN Infrastructure Mode.
IP	Auto (0.0.0.0/ 255.255.255.0)	Prints out the specified IP address and subnet mask. Displays that the IP address is to be acquired automatically when Auto is printed out.
MAC	XXXXXXXXXXXX	Prints out the MAC address for the wireless LAN.
SSID	SSIDXXXXXXXX	Prints out the SSID for the participating network.
<WLAN Simple AP>	---	Prints out the settings for Simple AP Mode.
SSID	DIRECT- MP500XXXXXXXX	Prints out the SSID used in Simple AP Mode.
Password	XXXXXXXX	Prints out the password used in Simple AP Mode.




NOTE

For the initial administrator password and password for Simple AP settings, please refer to the following page.

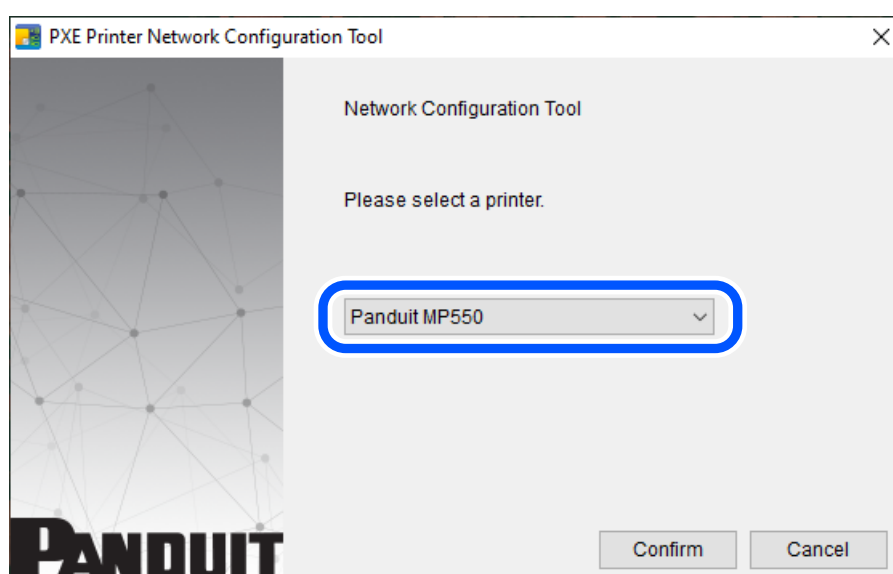
 ["Default administrator password for setting / Default password for Simple AP" on page 77](#)

Checking from the Computer

To check the network settings from a computer, use the Network Configuration Tool, which is installed at the same time as the printer driver.

- | | |
|---|--|
|  IMPORTANT | <ul style="list-style-type: none"> • If the Network Configuration Tool was not installed, install the tool from the printer driver installer. • The network settings for the printer cannot be checked from a computer that does not have the proper USB printer driver. • In order to check the network settings from a computer, you will need to have the printer and computer connected together using a USB cable. |
|---|--|

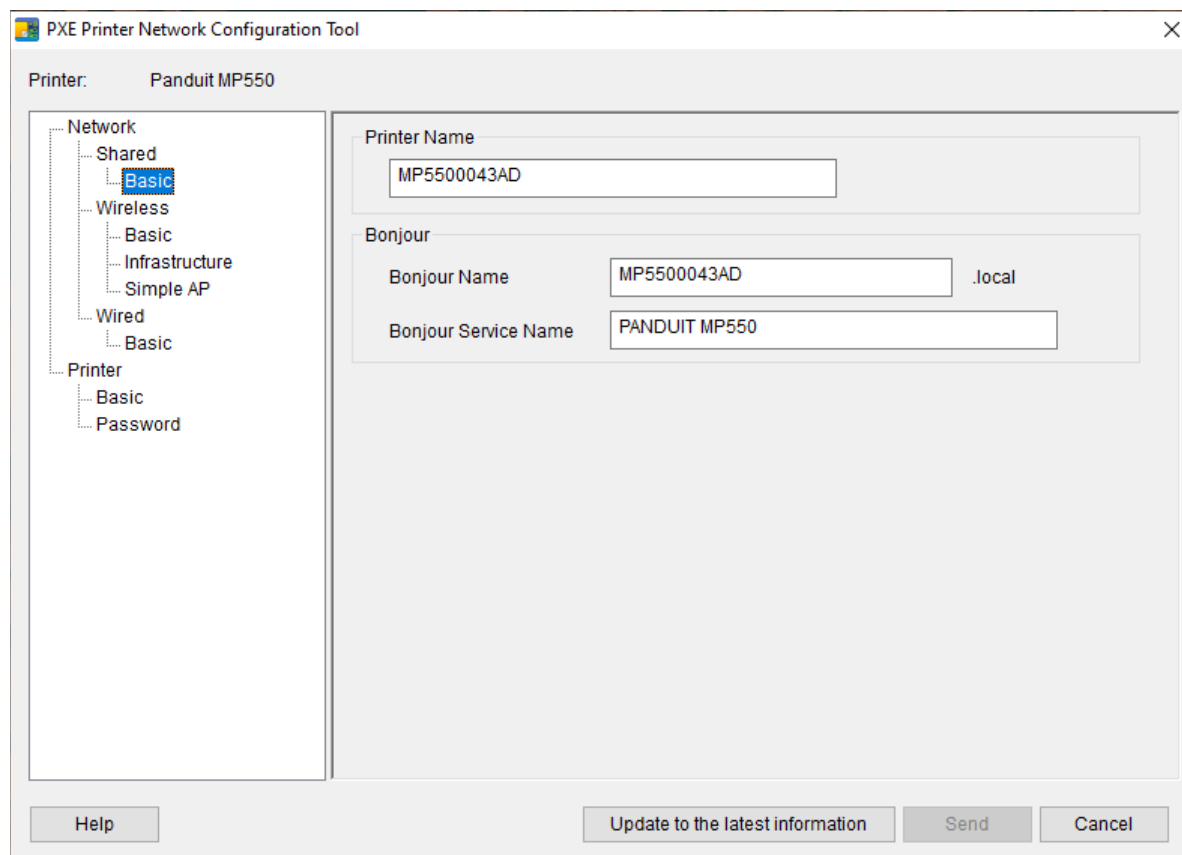
- 1 Start up the Network Configuration Tool.
Click **Start - All apps - PANDUIT - PXE Printer Network Configuration Tool**, in the order given.
- 2 Select a printer.



NOTE

The USB printer driver may not be installed correctly if the printer fails to appear.
Try reinstalling the USB printer driver starting from the beginning of the installation procedures.

3 The configuration tool menu appears.



4 Select the item that you wish to check from the tree menu at left and then check the network settings for that item.



IMPORTANT

- When making changes to the network settings, check to confirm that the name of the printer for which settings are to be changed appears in the upper left on the screen.
- If there is a password set for the printer in the Network Configuration Tool, you will not be able to make changes to the network settings unless you enter the correct password.

Network settings details that can be checked/changed

Select the details that you wish to check/set from the below list of items. Descriptions for items are listed on the specified reference pages.

Setting to check/change		Setting item	Configurable	Reference page
General settings				
To check/change the name of the printer used on the network		Printer Name	Yes	p.68
		Bonjour Name	Yes	
		Bonjour Service Name	Yes	
Wireless LAN settings				
To check/change the wireless LAN mode		Wireless LAN mode	Yes	p.69
		Wireless LAN MAC Address	No	
To check/change the Infrastructure Mode settings	Wireless LAN connection status	Connection status	No	p.70
		Wireless LAN usage standards	No	
	IP address settings	How to acquire the IP address	Yes	
		IP Address	Yes	
		Subnet Mask	Yes	
		Default Gateway	Yes	
	Security settings	Authentication Method	Yes	
		Encryption Method	Yes	
		SSID	Yes	
		Security key (Passphrase)	Yes	

Setting to check/change		Setting item	Configurable	Reference page
To check/change Simple AP Mode settings	Wireless LAN connection status	Wireless LAN usage standards	No	p.72
		IP address settings	DHCP server status	
	Publication Start IP Address		No	
	Specified IP address		No	
	Subnet Mask		No	
	Security settings	Authentication Method	No	
		Encryption Method	Yes	
		SSID	Yes	
		Security key (Passphrase)	Yes	
Wired LAN settings				
To check/confirm the wired LAN connection status	Connection status	No	p.74	
	Wired LAN MAC Address	No		
To check/change the IP address settings	How to acquire the IP address	Yes		
	IP Address	Yes		
	Subnet Mask	Yes		
	Default Gateway	Yes		
Printer settings				
To check the software information	Firmware version	No	p.75	
To check the printer time-out settings	Print Timeout	Yes		
To change the password used to change the settings	Password	Yes	p.76	

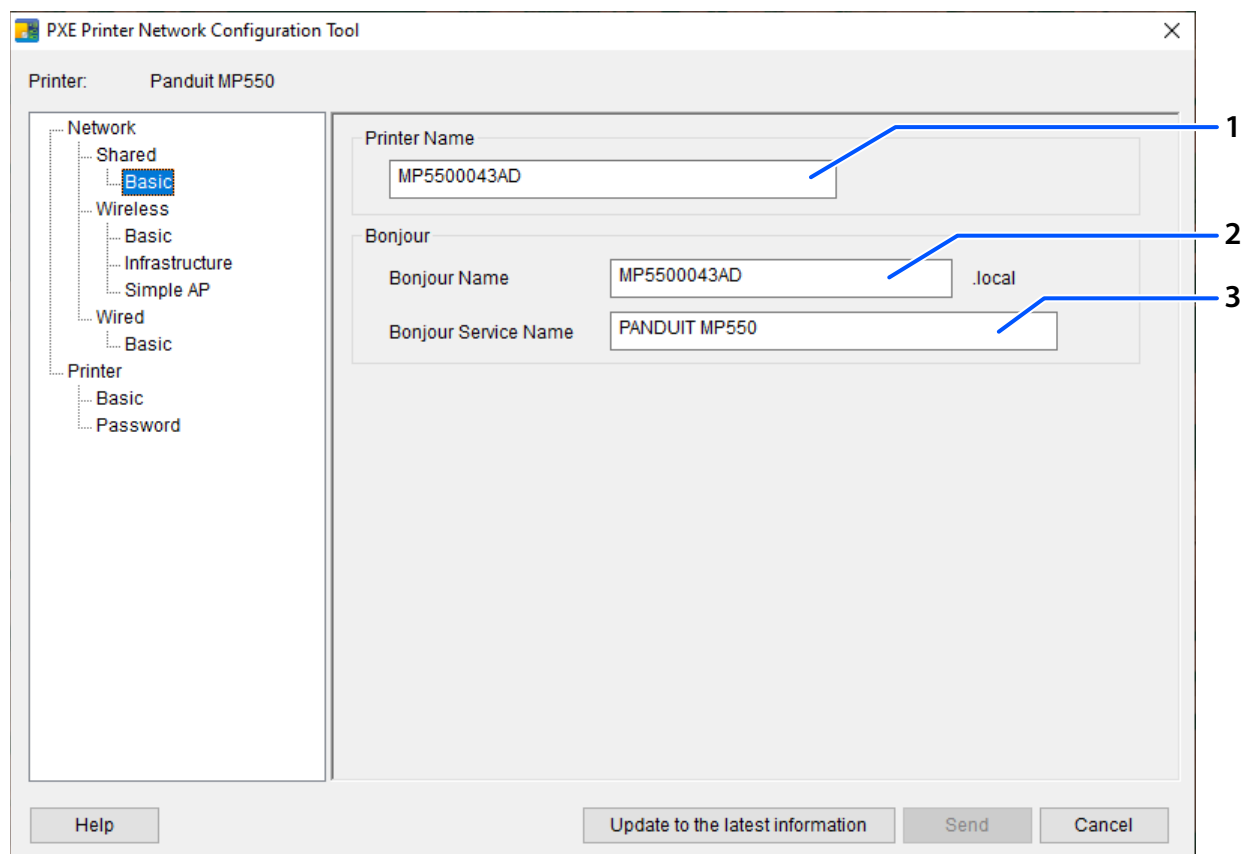
**IMPORTANT**

- In order to change the network settings for the printer, press the **Send** button at the bottom of the screen, sending all setting values that can be set using the Network Configuration Tool including items not shown on screen to the printer, which will reflect the changes.
To change the network settings, first confirm that all settings have been configured as desired and then press the **Send** button.
- Before attempting to make changes to the network settings, first press the **Update to the latest information** button, check the values set on the printer, and then make changes as desired.
- Press the Cancel button to reject changes made to the network settings and close the Network Configuration Tool.

To check/change the name of the printer used on the network

Screen that appears when you select **Network - Shared - Basic** in the tree menu at left.

Item details that can be checked/changed are as listed below.

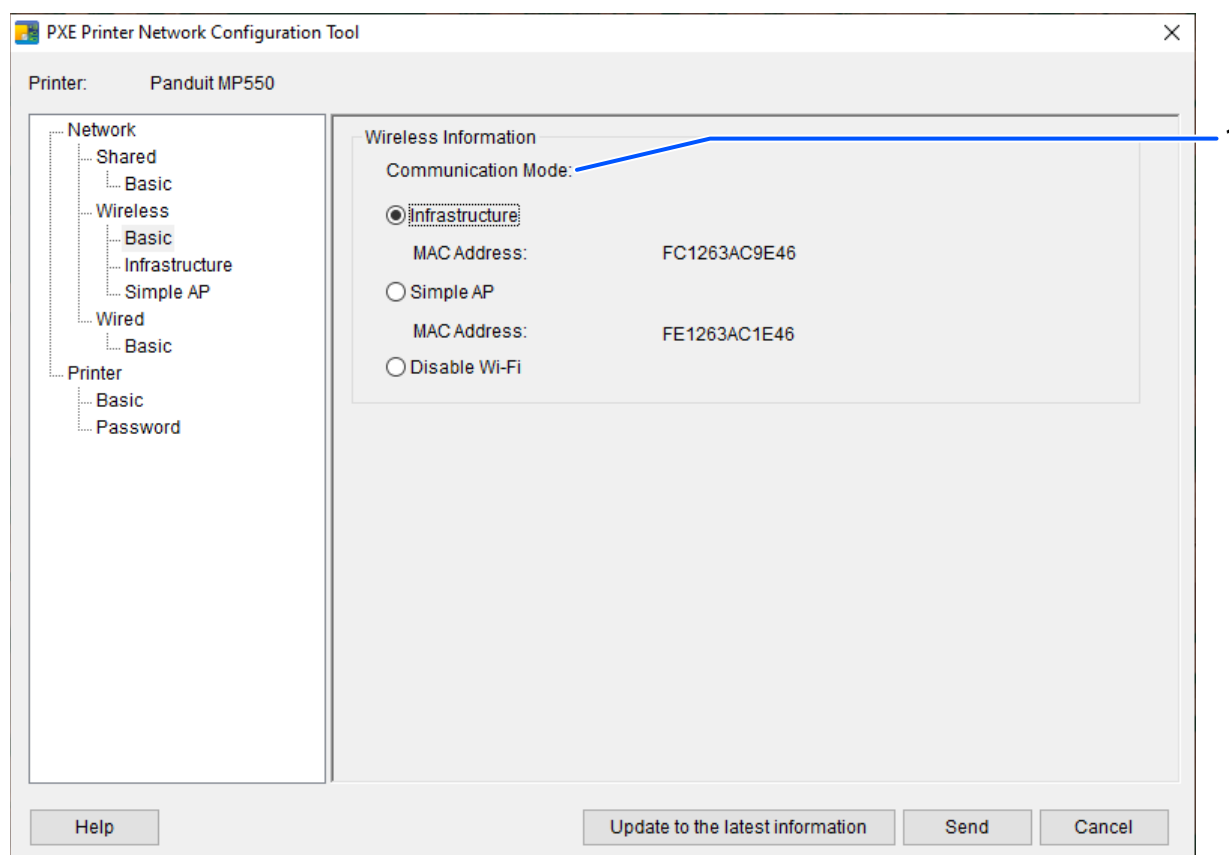


#	Item	Configurable	Setting details
1	Printer Name	Yes	Name of the printer used on the network. The printer is displayed under this name when checked from a Windows-based computer.
2	Bonjour Name	Yes	Bonjour name of the printer used on the network. The printer is displayed under this name when checked from a Mac OS-based computer.
3	Bonjour Service Name	Yes	The printer is displayed under this name when checked from an application on an iOS-based or Android™ OSbased portable terminal device.

To check/change the wireless LAN mode

Screen that appears when you select **Network - Wireless - Basic** in the tree menu at left.

Item details that can be checked/changed are as listed below.



#	Item	Configurable	Setting details
1	Communication Mode	Yes	<p>Indicates the communications mode that the printer is set to.</p> <p>You can select and change back and forth between any of the three available modes: Infrastructure, Simple AP, and Disable Wi-Fi.</p> <p>Displays information for the MAC address used in Infrastructure Mode and Simple AP Mode.</p>

To check/change the Infrastructure Mode settings

Screen that appears when you select **Network - Wireless - Infrastructure** in the tree menu at left.

Item details that can be checked/changed are as listed below.

PXE Printer Network Configuration Tool

Printer: Panduit MP550

Network

- Shared
 - Basic
- Wireless**
 - Basic
 - Infrastructure**
 - Simple AP
- Wired
 - Basic
- Printer
 - Basic
 - Password

Wireless Connection Status

Wireless Connection Status: Unconfirmed Confirm Connection

Wireless Mode:

IP Address Settings

☒ Auto ☐ Manual

IP Address: 0 . 0 . 0 . 0

Subnet Mask: 0 . 0 . 0 . 0

Default Gateway: 0 . 0 . 0 . 0

Security Settings

Authentication Method: WPA2-PSK

Encryption Method: AES

SSID: ABCDEFGHJIJ Select an SSID

PSK (Pre-Shared Key): 12345678

WEP Key1: ▼

Help Update to the latest information Send Cancel

1: Wireless Connection Status
2: Manual radio button
3: IP Address field
4: Subnet Mask field
5: Default Gateway field
6: Authentication Method dropdown
7: Encryption Method dropdown
8: SSID field
9: PSK field
10: WEP Key1 dropdown

Select an SSID

Please select a network (SSID).

Network(SSID)	Security	Signal Condition
ABCDEFGHJIJ	Yes	Strong
XXXXXXXXXXXXXX	Yes	Medium
XXXXXXXXXXXXXX	Yes	Medium
XXXXXXXXXXXXXX	Yes	Medium
XXXXXXXXXXXXXX	Yes	Medium
XXXXXXXXXXXXXX	Yes	Medium
XXXXXXXXXXXXXX	Yes	Medium
XXXXXXXXXXXXXX	Yes	Medium
XXXXXXXXXXXXXX	Yes	Medium

OK Cancel

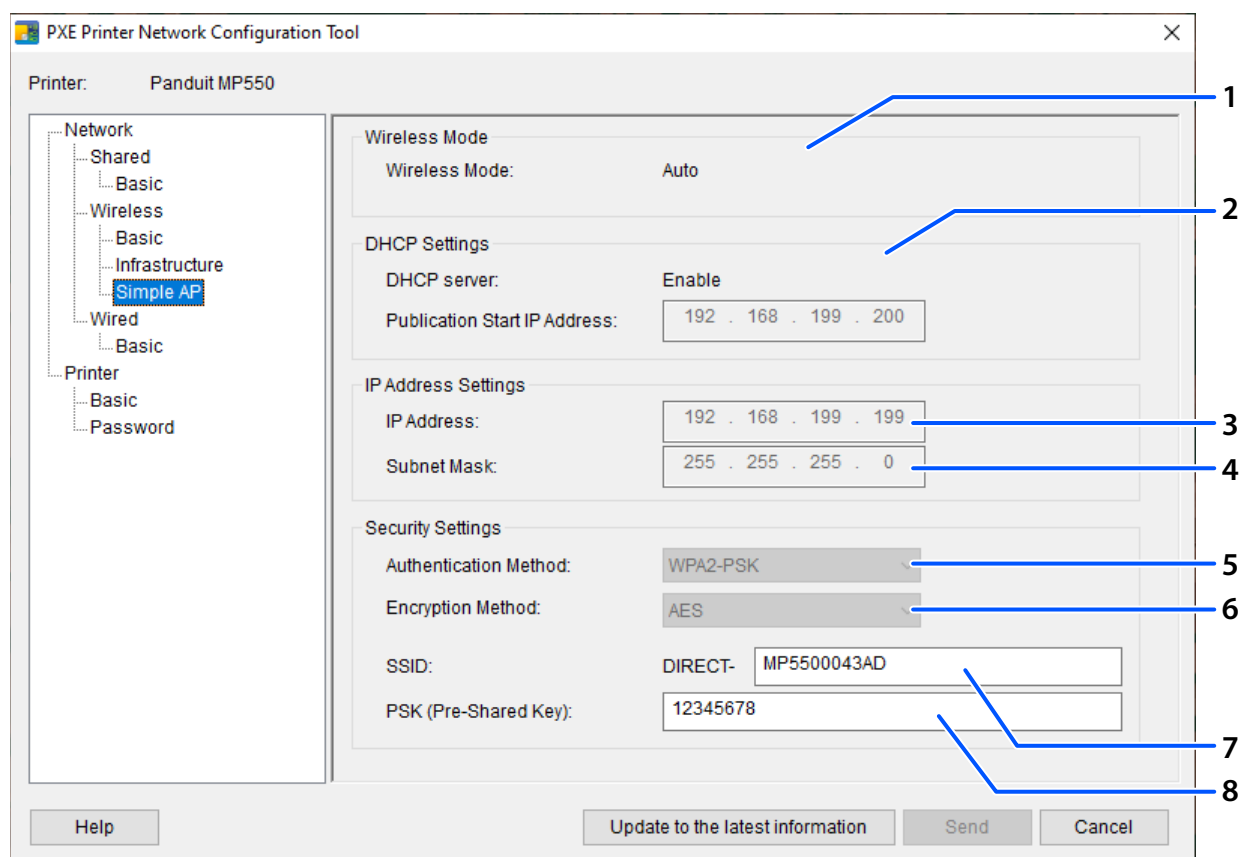
#	Item	Configurable	Setting details
1	Wireless Connection Status	No	Displays the wireless LAN status as Online or Offline. Press the Confirm Connection button to update to the latest connection status. Also displays the applicable standards for the wireless LAN that you are connected to.
2	Auto/Manual	Yes	You can select between Auto and Manual as the method to use to acquire the IP address. When Auto is selected, the IP address, subnet mask, and default gateway are set automatically.
3	IP Address	Yes*	IP address set for the printer.
4	Subnet Mask	Yes*	Subnet mask of the network that the printer is connected to.
5	Default Gateway	Yes*	Default gateway of the network that the printer is connected to.
6	Authentication Method	Yes	Security authentication method for the wireless LAN that the printer is set to. You can select from any of the following four types: Open/Shared/WPA-PSK/WPA2-PSK
7	Encryption Method	Yes	Encryption method for the wireless LAN that the printer is set to. You can select from any of the following four types: None/WEP/TKIP/AES
8	SSID	Yes	Displays the SSID of the network that the printer is connected to. Press the Select an SSID to pull up a list of SSIDs detected by the printer and then select the network that you are connected to.
9	PSK (Pre-Shared Key)	Yes	Displays the passphrase used in encrypted communications Used when a TKIP or AES is used in the Encryption Method.
10	WEP Key	Yes	Displays the WEP key used in encrypted communications Used when a WEP is used in the Encryption Method.

*You can set this option if **Manual** is selected as the method for acquiring the IP address.

To check/change Simple AP Mode settings

Screen that appears when you select **Network - Wireless - Simple AP** in the tree menu at left.

Item details that can be checked/changed are as listed below.



#	Item	Configurable	Setting details
1	Wireless Mode	No	Displays the applicable standards for the wireless LAN that you are connected to.
2	DHCP Settings	No	Displays the DHCP server status and publication start IP address for the printer.
3	IP Address	No	IP address set to the printer used in Simple AP Mode.
4	Subnet Mask	No	Subnet mask used in Simple AP Mode.
5	Authentication Method	No	Security authentication method for the wireless LAN that the printer is set to. WPA2-PSK is selected automatically.
6	Encryption Method	Yes	Encryption method for the wireless LAN that the printer is set to. AES is selected automatically.

#	Item	Configurable	Setting details
7	SSID	Yes	Displays the SSID used by the printer in Simple AP Mode. "DIRECT-" will always be added to the beginning of the SSID.
8	PSK (Pre-Shared Key)	Yes	Displays the PSK (Pre-Shared Key) used by the printer in Simple AP Mode.

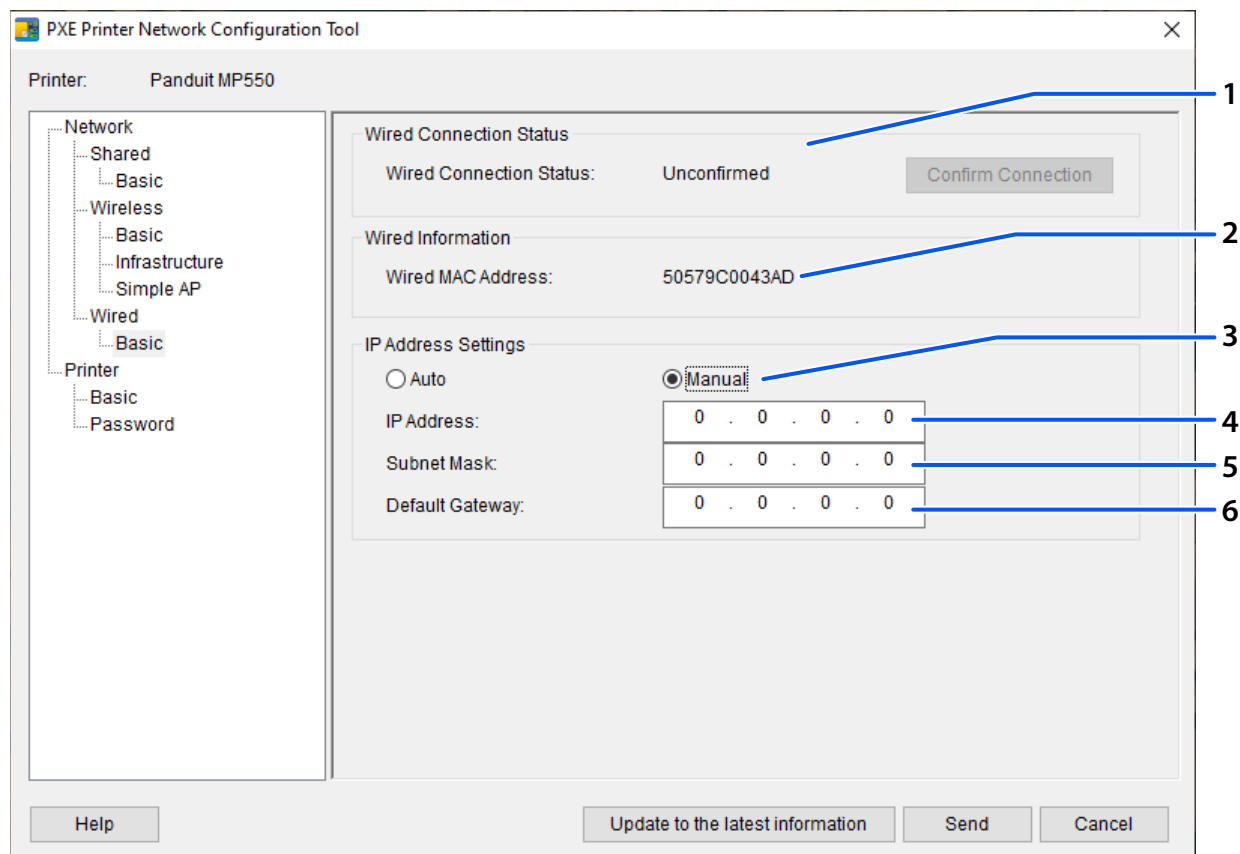
**IMPORTANT**

If you make changes to the Encryption Method, SSID, or PSK (Pre-Shared Key), the wireless devices connected in Simple AP Mode will be disconnected and will need to be reconfigured. Make sure to proceed carefully when attempting to change the SSID and PSK (Pre-Shared Key) for connected devices.

To check/confirm the wired LAN connection status

Screen that appears when you select **Network - Wired - Basic** in the tree menu at left.

Item details that can be checked/changed are as listed below.



#	Item	Configurable	Setting details
1	Wired Connection Status	No	Displays the connection status of the wired LAN. Press the Confirm Connection button to update to the latest connection information.
2	Wired MAC Address	No	Displays the MAC address of the printer used when connected to a wired LAN.
3	Auto/Manual	Yes	You can select between Auto and Manual as the method to use to acquire the IP address. When Auto is selected, the IP address, subnet mask, and default gateway are set automatically.
4	IP Address	Yes*	IP address set for the printer.
5	Subnet Mask	Yes*	Subnet mask of the network that the printer is connected to.

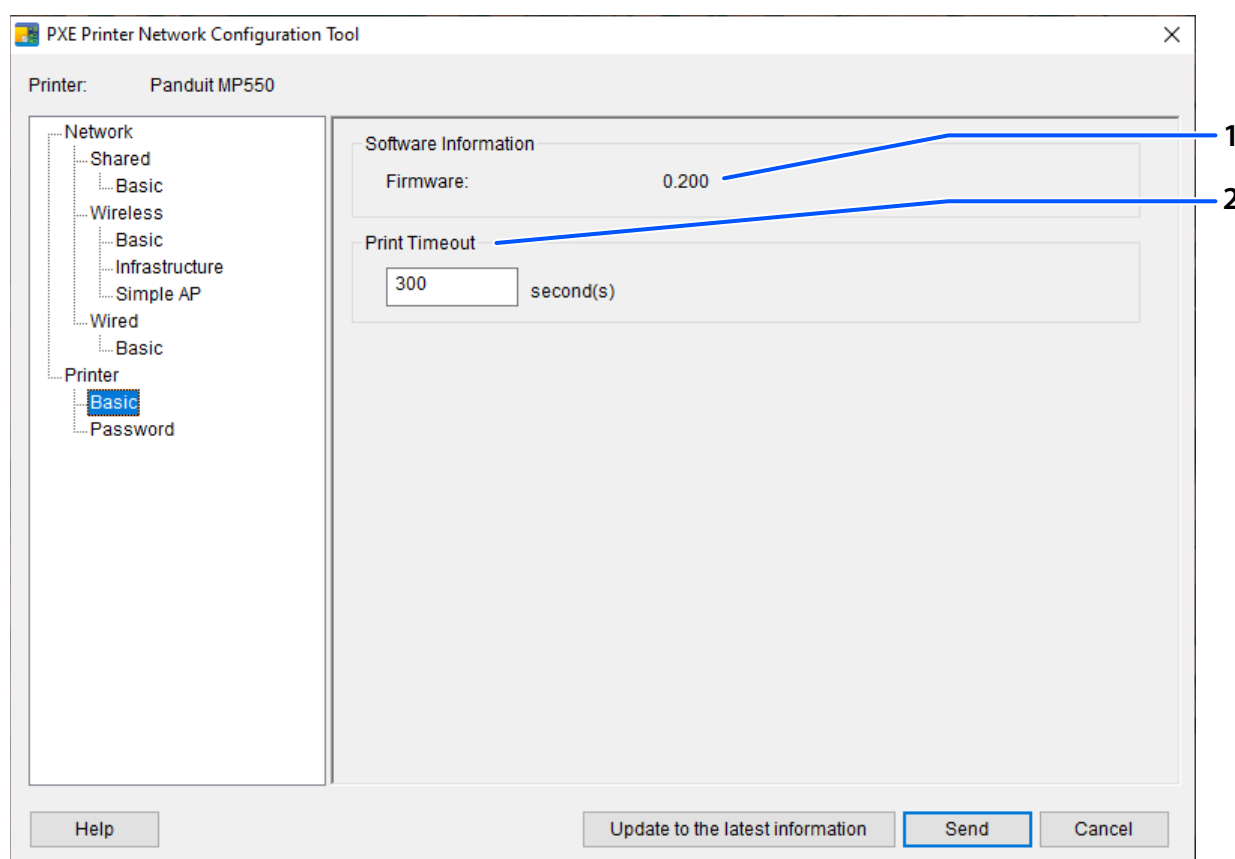
#	Item	Configurable	Setting details
6	Default Gateway	Yes*	Default gateway of the network that the printer is connected to.

*You can set this option if **Manual** is selected as the method for acquiring the IP address.

To check the software information/To check the printer timeout settings

Screen that appears when you select **Printer - Basic** in the tree menu at left.

Item details that can be checked/changed are as listed below.



#	Item	Configurable	Setting details
1	Firmware	No	Displays the firmware version of the printer.
2	Print Timeout	Yes	Displays whether the printer is set to wait to receive print data until after a certain number of seconds have passed when printing is done via a network.

To change the password used to change the settings

Screen that appears when you select **Printer - Password** in the tree menu at left.

Item details that can be checked/changed are as listed below.

The screenshot shows the 'PXE Printer Network Configuration Tool' window. On the left, a tree menu lists 'Network', 'Wireless', 'Wired', and 'Printer'. Under 'Printer', 'Basic' and 'Password' are listed, with 'Password' selected. The main area on the right is titled 'Printer: Panduit MP550'. It contains a checkbox labeled 'Change the administrator password' which is checked. Below this are two text input fields: 'New Password:' and 'Reenter New Password:'. A warning message below the fields states: 'Warning: The administrator password will not be set if settings are sent with this box left blank.' At the bottom of the window are buttons for 'Help', 'Update to the latest information', 'Send', and 'Cancel'. Blue lines with numbers 1 and 2 point to the checkbox and the password fields respectively.

#	Item	Configurable	Setting details
1	Change the administrator password	Yes	Select this check box when you change the administrator password.
2	Administrator Password	Yes	Used to enter the new password that is to be set. The new password needs to be entered twice to confirm the changes. If a password is set to the printer during this step, the password will need to be authenticated if you attempt to make changes to the network settings.



IMPORTANT

Note that if you leave the password line blank when you make changes, the password will remain blank.




NOTE

For the initial administrator password and password for Simple AP settings, please refer to the following page.

["Default administrator password for setting / Default password for Simple AP" on page 77](#)

Sending the network settings to the printer

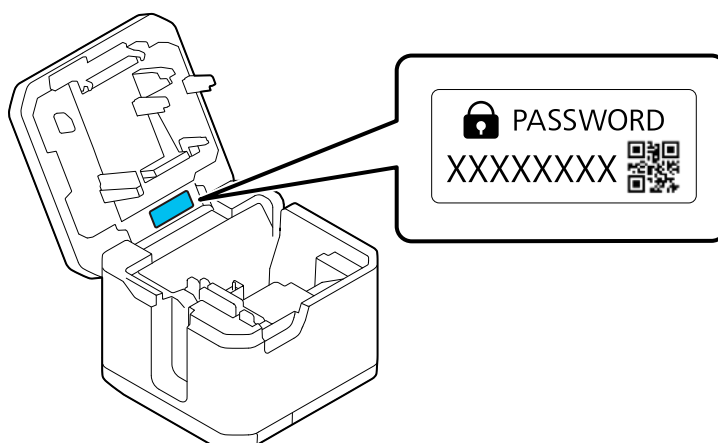
After making changes to the network settings, press the **Send** button at the bottom of the screen to send the edited settings details to the printer and complete the configuration procedures.

 IMPORTANT	<p>If there is a password for making changes set, the password entry screen will appear when you press the Send button. Enter the password that was set. To reset the password, you will need to initialize the printer to reset it to default settings. Once you have finished initializing the printer, reconfigure all settings including the network settings.</p> <p>🔗 "Initializing the Network Settings" on page 78</p>
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Default administrator password for setting / Default password for Simple AP

The default values for the administrator password and password for Simple AP are printed on the password label attached to the product.

The password label is attached at the location shown below.




Initializing the Network Settings

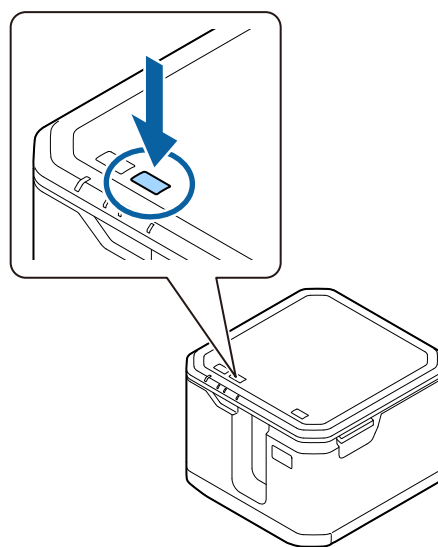
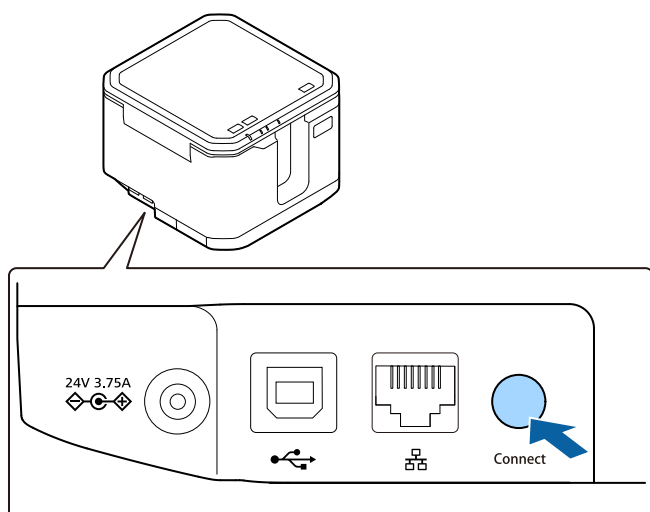
Complete the below procedures to initialize the network settings for the printer.



IMPORTANT

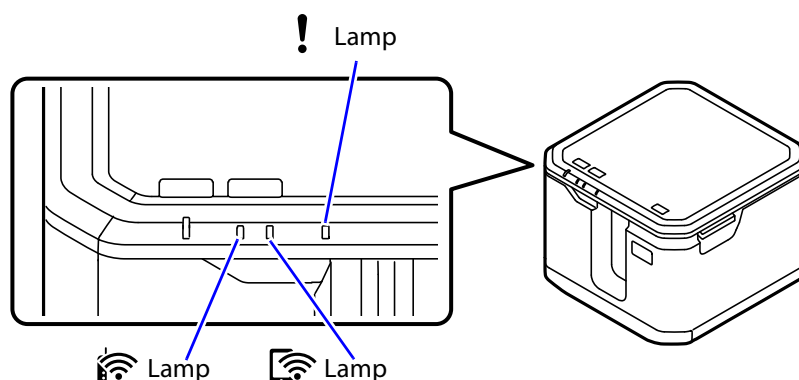
When the initialization process is run for the network settings, all settings related to Wireless LAN (Infrastructure Mode/Simple AP Mode) and Wired LAN are initialized and reset back to their factory defaults. The password used to change the network settings will also be reset.

MP500

- 1 Check to make sure that the power to the printer is turned off.
- 2 Hold down the Connect button on the back of the printer and the  button on the front of the printer while turning on the power to the printer.



- 3 The ! lamp,  lamp, and  lamp will light up, and initialization of the network settings will then begin.






- 4 The three lamps turn off when the initialization of the network settings is complete.



NOTE

If initializing the network settings, make sure to reconfigure the network settings once the initialization process is completed.


MP550

- 1 Check to make sure that the power to the printer is turned off.
- 2 Press the  button, the  key, and the  key at the same time.
- 3 When a confirmation message is displayed, touch **Yes**. The printer is initialized.



NOTE

You can also initialize the printer with the following procedure.

- 1 Press the  button.
- 2 Touch **Settings - Restore Default Settings - Clear All Data and Setting** in that order.
When a confirmation message is displayed, touch **Yes**.

Troubleshooting

This section lists troubleshooting procedures for resolving issues with the network settings for the printer.

- 👉 ["Printer driver installer issues" on page 80](#)
- 👉 ["Network Configuration Tool issues" on page 80](#)
- 👉 ["Infrastructure mode issues" on page 83](#)
- 👉 ["Simple AP mode issues" on page 85](#)
- 👉 ["Wired LAN connection issues" on page 88](#)
- 👉 ["Cannot establish network connection at all" on page 89](#)

Printer driver installer issues

- ❑ A "Unable to communicate with the printer. Connect the USB cable to the printer and turn the power on." message appears

In order to install the USB printer driver, even when using the printer via a network, you will need to connect the printer to a computer using a USB cable. Check the USB connection status for the printer and computer.

- ❑ A "Printer cannot be found. Check the connection to the printer." message appears

Check to make sure that the printer is not exhibiting any of the statuses listed below.

- The message appears when you press the **Search again** button on the **Select printer** screen. If the network settings for the printer were configured such that the printer and the computer used to install the software were placed in different network segments (that is, the printer is connected to a network outside of the range of the router as viewed from the computer), the printer will not be found during searches using the **Search again** button.
In such cases, use the **Restart the search using a specified IP** button to search again using a specified IP address.
- The network settings for the printer may not be configured correctly.
Have your network administrator check the information needed for configuring the network settings and then try to configure the settings again.

Network Configuration Tool issues

- ❑ A "Exchanging data for acquiring the printer information did not complete. Check the connection with the printer." message appears


Check to make sure that the printer is not exhibiting any of the statuses listed below.

- Is the printer currently printing?
If the printer is currently printing, wait until it is finished and then try again.
- Is the printer power turned off?
Check to make sure that the power to the printer is turned on, and turn it on if it is not, and then try again.
- Check the status of the network. Check to make sure that the printer is communicating via the network. If unable to check the network status yourself, contact your network administrator for assistance.




- ❑ A "Unable to complete the settings because the password was invalid." message appears.

If you set a password to the printer during setup, you will need to enter that same password again when you attempt to change the network settings. Make sure to enter the correct password set to the printer. If you have forgotten the password or do not know what it is, contact your network administrator for assistance.

If necessary, reset the network settings to their initial default settings.

 ["Initializing the Network Settings" on page 78](#)

Reset the network settings for the printer to the default settings and then reconfigure the settings.

- Wireless LAN settings (Infrastructure Mode)
 ["Connecting via wireless LAN \(Infrastructure Mode\)" on page 11](#)
- Direct connection without using an access point
 ["Connecting via wireless LAN \(Simple AP Mode\)" on page 34](#)
- Wired LAN connection
 ["Connecting via wired LAN" on page 47](#)

- ❑ A "Unable to set the data on the printer. Check the settings." message appears.

Check to confirm that there are no errors, omissions, or other problems with the data input to the Network Configuration Tool.

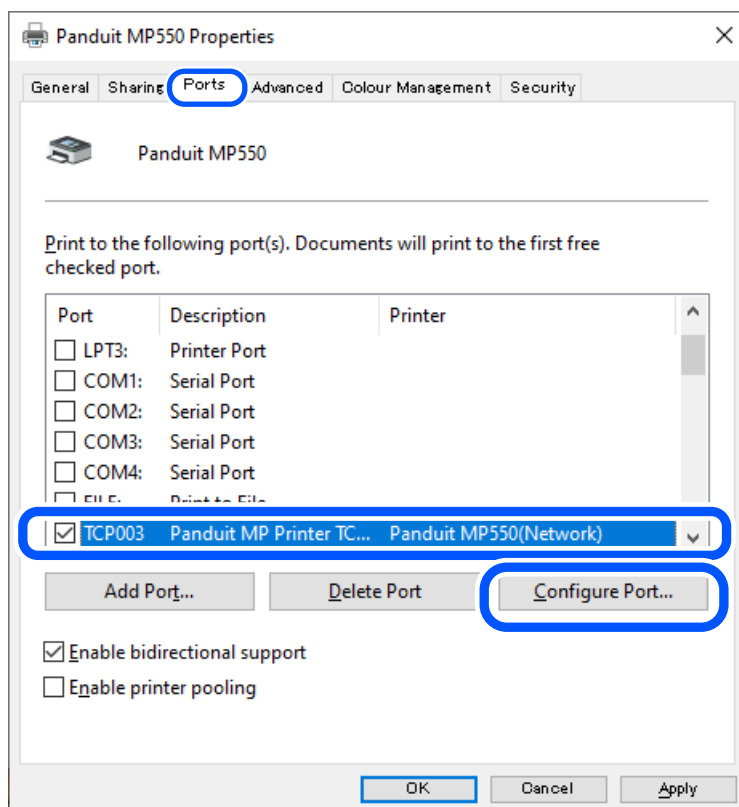
- ❑ A "If the printer IP address or printer name (printer name, Bonjour name, or Bonjour service name) is changed, communication may become no longer possible." message appears.

Clicking the **Confirm** button on the screen to accept changes to the IP address or name of the printer in the Network Configuration Tool will cause printing to be disabled unless the network printer driver settings are changed.

If unable to print, complete the below procedures in the order given to update the settings on the network printer driver.

1. Windows 11:
Select Start - **Settings** - **Bluetooth & devices** - **Printer & scanners** in the order given.
- Windows 10:
Select Start - **Settings** - **Devices** - **Bluetooth & other devices** - **Devices and printers** in the order given.

2. Windows 11:
Click on the printer name for which the network settings were changed and then click on **Printer properties**.
Windows 10:
Right-click on the icon for the printer for which the network settings were changed and then click on **Printer properties**.
3. Click on **Ports**, select the port that is checked off in **Ports**, and then click **Configure Port...**.



4. Enter the newly set IP address on the displayed screen, check the checkbox for **Track** under **Tracking by printer name**, and then press the **OK** button.

**NOTE**

If the problem still occurs, re-install the network printer driver using the printer driver installer.

["Connecting to a Computer" on page 11](#)

- ❑ To switch the printer for which network settings are to be checked/changed

Press the **Cancel** button to exit the Network Configuration Tool. Then, restart the Network Configuration Tool, and select a printer.

Infrastructure mode issues

- ❑ Is the power for the network device (access point/broadband router) turned on?

Check to make sure that the power on the network device is turned on. If the power is already turned on, check to ensure that the network is not currently being used and then turn the power off and back on again.

- ❑ Are the printer and network device (access point/broadband router) close enough to be within range of each other?

Are there any obstacles that could be interfering with the signals?

Try moving the computer and network device closer together and removing any obstacles that may be causing interference.



- ☐ Are you using the equipment near the printer that emits electromagnetic waves (such as a microwave oven or digital cordless telephone) or a wireless device?

If you attempt to use the printer around devices that emit electromagnetic waves or wireless devices, signals emitted by such devices may interfere with printer communications, causing problems. Move the computer and network device (access point/broadband router) away from any such problematic equipment.

- ☐ Turn the printer power off and then back on again to reset it.

You may not be able to connect the printer and network device (access point/broadband router) temporarily depending on the order in which you turned power on to the devices. After turning power back on to the printer, wait around 1 min. and then check the connection status.



- ☐ Is the printer set to Infrastructure Mode?

Check the  lamp on the printer to make sure that it is illuminated. If it is turned off, press the  button to switch the settings.

- ☐ Is the correct SSID set to the printer?

The printer will not be able to connect to the network device (access point/broadband router) if the SSID of the printer is different from that used for the network device. If connecting in Simple AP Mode, you will not be able to connect the printer to the network if the name of the network in Simple AP Mode and the SSID set for the printer are different.

Check the SSIDs for the connection device and printer to see if they are the same or not.

 NOTE	<p>For instructions on how to check the SSID configured on the printer, see the following page.</p> <p> "How to Check the Settings" on page 61</p>
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If not able to find the SSID for the network device being used, check the manual for the network device or ask the person who configured the network settings for assistance.

- ☐ Are the devices using the same wireless network security method as that set for the printer?

The devices will not be able to connect if the printer, computer, and network device (access point/broadband router) are set up under different wireless network security methods.

Reconfigure the settings in such cases so that the printer, computer, and network device all use the same wireless network security method. If unsure how to proceed, check the manual for your network device or consult with the person who configured the network settings for the devices.

- ☐ Is the privacy separator function enabled on the network device (access point/broadband router)?

The printer and computer will not be able to communicate with each other if the privacy separator function (a function that prevents devices connected to the same access point from connecting to each other) is enabled on the network device being used. Follow the instructions in the manual for your network device to disable the privacy separator function.

- ☐ Are there several different computers and network devices connected to the same network?

When there are several computers and network devices connected to a network, the IP addresses for the computers and network devices may not be able to be acquired from the DHCP server, resulting in the device or devices not being able to connect to the network.

Turn off or disconnect any computer or network device not being used to increase the number of IP addresses available.

- ❑ Is the same IP address being used for more than one computer or other device?

If the same exact IP address is used for more than one device connected to a network such as a printer or computer, network communications may become unstable or drop out.

Check the IP address for each device and reset the IP addresses for any devices using the same one.



NOTE

Proceed to the below page if still not able to connect even after checking the above items.

 ["Cannot establish network connection at all" on page 89](#)

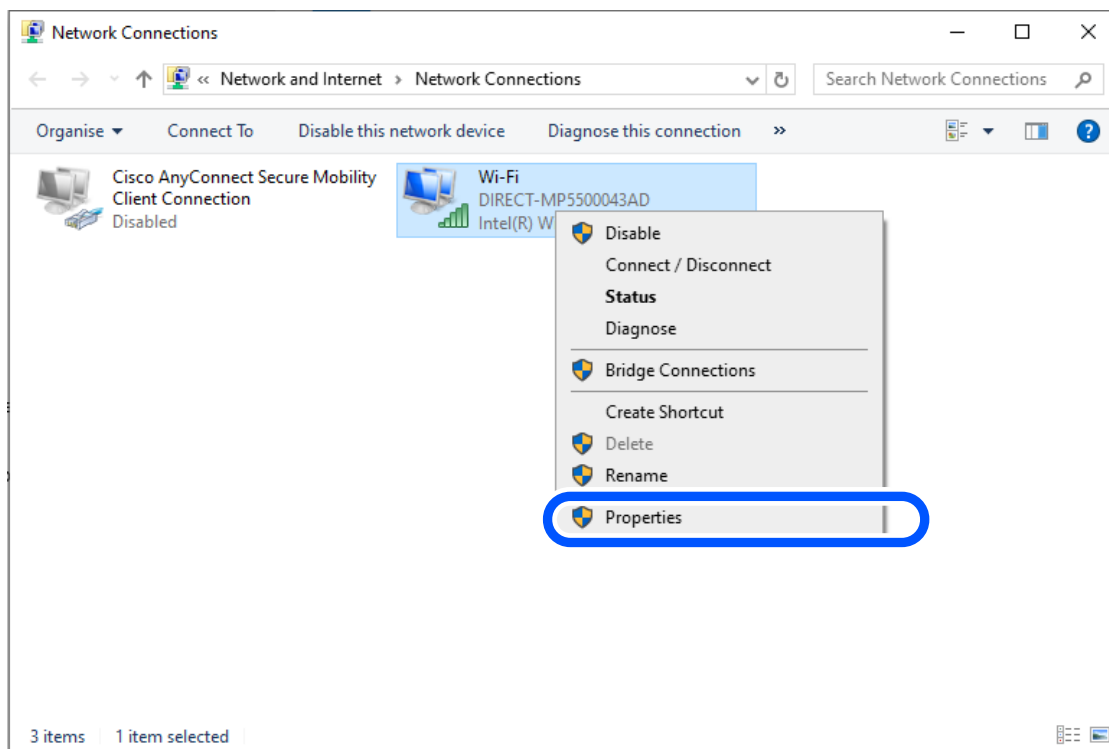
Simple AP mode issues

- ❑ Connecting to the Internet from your windows-based computer becomes impossible after the computer is connected to the printer in Simple AP Mode. The computer is using a USB mobile device for the Internet access.

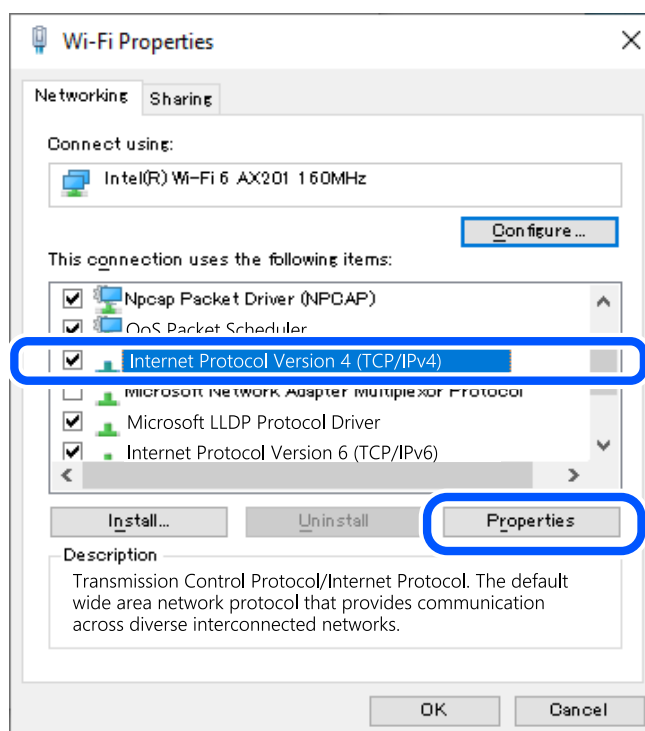
Connecting to the printer in Simple AP Mode may take precedence over connecting to the Internet using a low-speed mobile device. If this is the case, changing your computer's setting as described below may solve the problem.

1. Pull up the Windows **Network Connections** screen.
 Windows 11:
 Select Start - **Settings** - **Network & Internet** - **Advanced network settings** - **More network adapter options** in the order given.
 Windows 10:
 Click the start button and select **Settings** - **Network & Internet**. Click **Wi-Fi** on the right side of the window, and click **Change adapter options**.

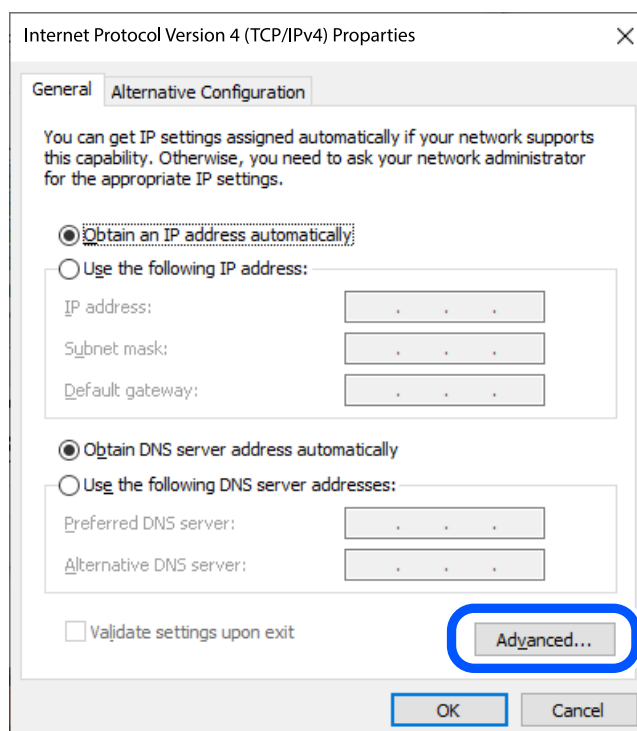
2. Select **Wireless Network Connection** (DIRECT-XXXXXXX) and then right-click and select **Properties** from the menu displayed.



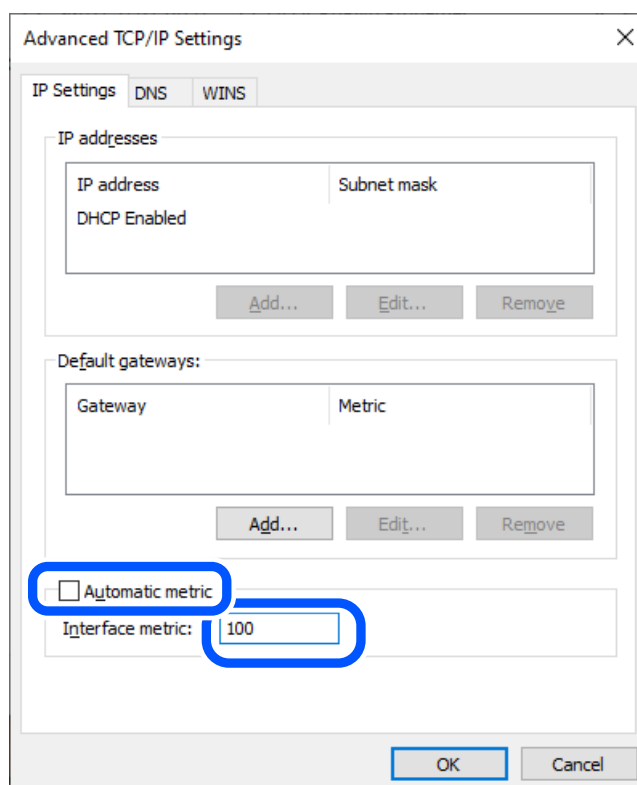
3. Select **Internet Protocol Version 4 (TCP/IPv4)**, and click on **Properties**.



- Click on the **Advanced...** tab.



- Uncheck the **Automatic metric** checkbox, and enter "100" into the **Interface metric** setting box.



6. Close all open windows.

If still unable to connect to the Internet even after completing the above steps, repeat [Step 3](#) above using **Internet Protocol Version 6 (TCP/IPv6)**.


❑ The Wi-Fi connection was dropped suddenly


Check to make sure that none of the below items are true.

- Is the power to the printer turned off?
- Has the Simple AP Mode security key been changed?
- Have the network settings for the printer been changed?
- If the Simple AP Mode security key was changed

Delete all connection settings for the "DIRECT-XXXXXXXX" registered to the wireless device. Next, go back and select "DIRECT-XXXXXXXX" again and then enter a new password for it. For more detailed procedure instructions, refer to the manual and other documentation for your wireless device.

❑ If the network settings were changed

The  lamp being turned off indicates that the wireless LAN mode for the printer has been changed. To change from a connection under different network settings back to a Simple AP Mode connection, initialize the network settings for the printer, and then reconfigure the wireless LAN connection (Simple AP Mode) without first configuring the network settings for the printer.

 ["Initializing the Network Settings" on page 78](#)

 ["Connecting via wireless LAN \(Simple AP Mode\)" on page 34](#)



NOTE

Proceed to the below page if still not able to connect even after checking the above items.

 ["Cannot establish network connection at all" on page 89](#)

Wired LAN connection issues

❑ Is the power for the network device (broadband router/hub) turned on?

Check to make sure that the power on the network device is turned on. If the power is already turned on, check to ensure that the network is not currently being used and then turn the power off and back on again.

❑ Is the LAN cable firmly inserted and connected?

Check to make sure that the LAN cable is firmly and securely connected to both the printer and the network device (broadband router/hub).

Check the lamp (link lamp) used to display the connection status. If this lamp is turned off, try the below items.

- Try connecting to a different port

- Try connecting to a different hub
 - Try replacing the LAN cable with a new one
- ☐ Turn the printer power off and then back on again to reset it.

You may not be able to connect the printer and network device (broadband router/hub) temporarily depending on the order in which you turned power on to the devices. After turning power back on to the printer, wait around 1 min. and then check the connection status.

- ☐ Are there several different computers and network devices connected to the same network?

When there are several computers and network devices connected to a network, the IP addresses for the computers and network devices may not be able to be acquired from the DHCP server, resulting in the device or devices not being able to connect to the network.

Turn off or disconnect any computer or network device not being used to increase the number of IP addresses available.

- ☐ Is the same IP address being used for more than one computer or other device?

If the same exact IP address is used for more than one device connected to a network such as a printer or computer, network communications may become unstable or drop out.

Check the IP address for each device and reset the IP addresses for any devices using the same one.



NOTE

Proceed to the below page if still not able to connect even after checking the above items.

["Cannot establish network connection at all" on page 89](#)

Cannot establish network connection at all

- ☐ Try reconfiguring the connection settings for the computer and network device.

Check the manual for your network device or contact the manufacturer directly for instructions and assistance on how to connect a computer and the network device.

- ☐ Reset the network settings for the printer back to their initial default settings and then try reconfiguring the network settings for the printer.

If still unable to connect even after checking the other items, initialize the network settings for the printer to return them to their initial default settings and try again.

["Initializing the Network Settings" on page 78](#)

Reset the network settings for the printer to the default settings and then reconfigure the settings.

- Wireless LAN settings (Infrastructure Mode)
 - ["Connecting via wireless LAN \(Infrastructure Mode\)" on page 11](#)
- Direct connection without using an access point
 - ["Connecting via wireless LAN \(Simple AP Mode\)" on page 34](#)

- Wired LAN connection

 ["Connecting via wired LAN" on page 47](#)

- ❑ Check to confirm that the firmware for the network devices (access point, broadband router, computer network interface card, etc.) is updated to the latest version.

Updating the firmware (software used to control devices) for the network devices to the latest version may resolve the issue in some cases. Check the manufacturer of the particular network device being used to see what the latest version is.

Appendix

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