

Installing Your WiFi capable imageCLASS Product to Your Network for the First Time

imageCLASS MF5950dw
Windows OS

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Before adding the machine to a wireless LAN

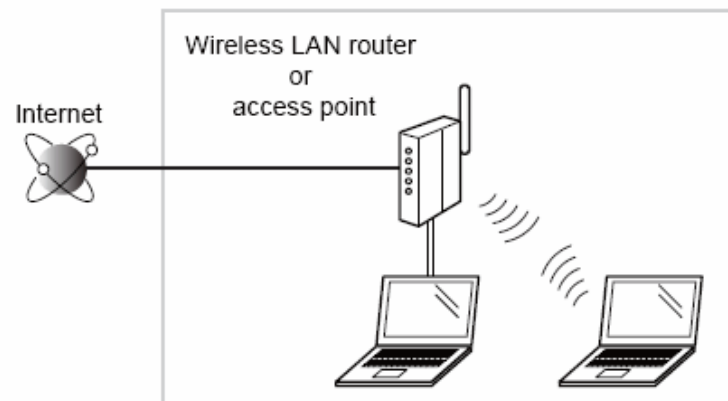
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Check to make sure that the setup of the computer and wireless LAN or access point are complete.

If they are not set up, you will not be able to use the machine on the wireless LAN network even if you perform the steps outlined in this document:

- The structure of your computer or networked device, the existence of router functions, setting methods and security settings vary depending on your environment.
- **For more information, see the instructions manual provided with the network device you are using, or contact the manufacturer.**
- This machine does not support “ad hoc connection” for direct wireless connection with computers.
- Always provide a wireless LAN router or access point.

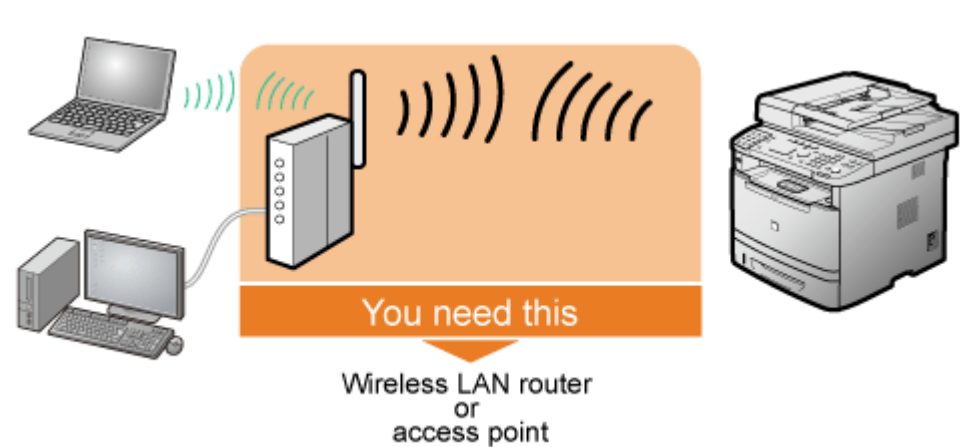
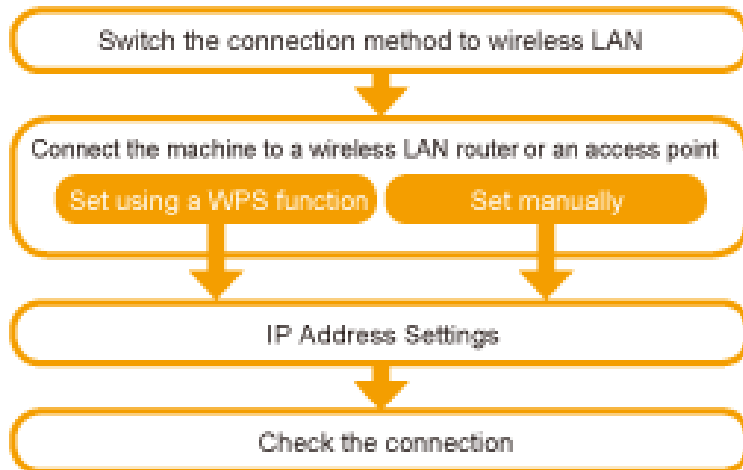


You cannot connect using an ad hoc connection.

Precautions when connecting to a wireless LAN

- The configuration of your computer or networked device, as well as the router functions, setting methods and security settings, vary depending on your environment.
- You can connect the machine to wireless LANs or wired LANs, but you cannot use both at the same time. When using a wireless LAN connection, do not connect a LAN cable to the machine. This may cause malfunctions.
- If using the machine in your office, consult with your network administrator.

Once you have finished checking, connect the imageCLASS device to the wireless LAN. The diagram below shows the primary steps in connecting your imageCLASS device to the wireless LAN.



Switching the connection Method to Wireless LAN

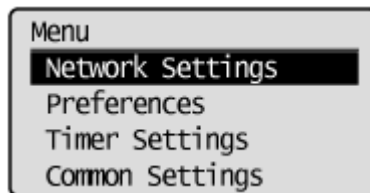
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1. Press [] (Menu).



2. Select <Network Settings> with [▲] and [▼], and then press [OK].

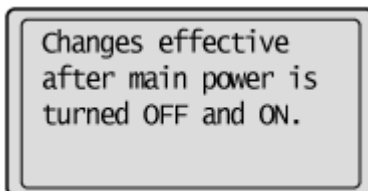


Switching the connection Method to Wireless LAN

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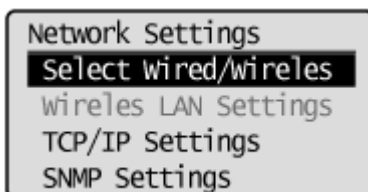
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The screen below is displayed for approximately 5 seconds. (You do not need to turn the machine OFF/ON in this step.)



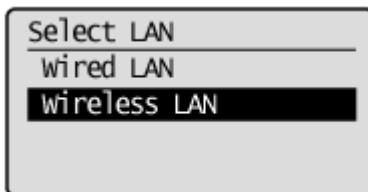
Changes effective
after main power is
turned OFF and ON.

3. Select <Select Wired/Wireless LAN> using [**▲**] or [**▼**], and then press [OK].



Network Settings
Select wired/wireless
wireless LAN Settings
TCP/IP Settings
SNMP Settings

4. Select <Wireless LAN> using [**▲**] or [**▼**], and then press [OK].



Select LAN
wired LAN
wireless LAN

Switching the connection Method to Wireless LAN

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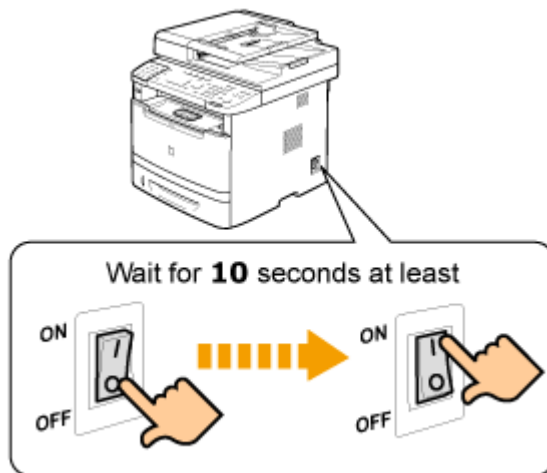
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5. Turn the machine OFF/ON when the following screen disappears.

Turn main power OFF
and ON to enable
wired/wireless LAN
selection

It is necessary to turn the machine OFF/ON to activate the settings.
Turn OFF the machine and wait for at least 10 seconds before turning it back ON.

MF5950dw



Selecting a method for connecting to the wireless LAN

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Two methods are provided for connecting to the wireless LAN or access point, connecting using WPS (Wi-Fi Protected Setup) function or connecting manually.

Select the appropriate setting method after checking the following function on the wireless LAN or access point you are using.

Configuring with WPS Features(Recommended Method)

When your wireless LAN routers and/or access point support WPS(Wi-Fi Protected Setup) features, you can connect to the machine by using push button or PIN code system.

* If you don't know whether your wireless LAN routers/access points support WPS features, see instruction manuals provided with the device, or contact your manufacturer.



This logo should appear on your router if it is WPS compatible.

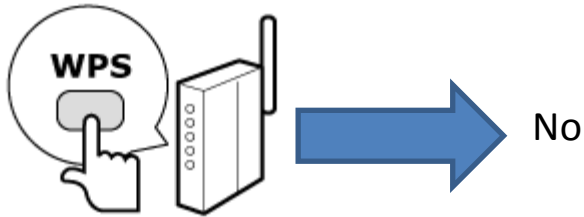
[Click Here](#)

Configuring Manually

Manually configure the settings for wireless LAN routers and/or access points which do not support WPS.

[Click Here](#)

Is there a **WPS button**?



No

Set the machine's PIN code using "WPS PIN Code Mode" that is entered manually from the computer to the wireless LAN router or access point.

[Click Here](#)



YES


Connect using "WPS Push Button Mode."

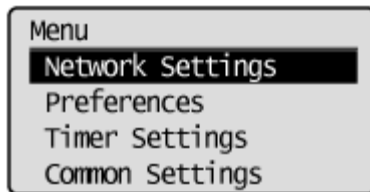
[Click Here](#)

Configuring with WPS Features (Push Button Mode)

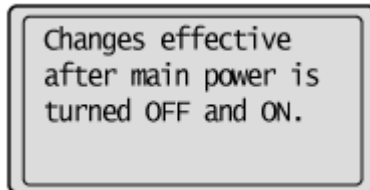
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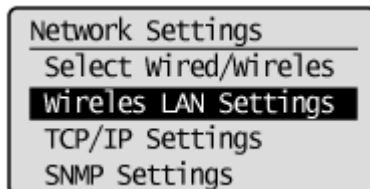
1. Press [] (Menu).
2. Select <Network Settings> with [] or [], and then press [OK].



The screen below is displayed for approximately 5 seconds. (You do not need to turn the machine OFF/ON in this step.)



3. Select <Wireless LAN Settings> using [] or [], and then press [OK].

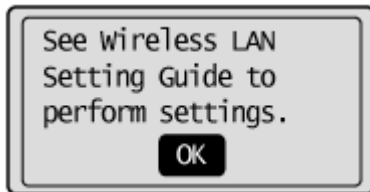


Configuring with WPS Features (Push Button Mode)

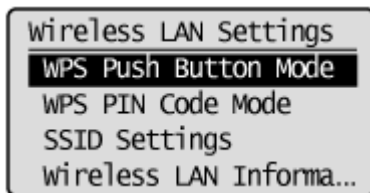
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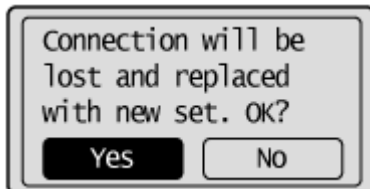
4. Press [OK].



5. Select <WPS Push Button Mode> using [▲] or [▼], and press [OK].



6. Press [◀] to select <Yes>, and press [OK]



Configuring with WPS Features (Push Button Mode)

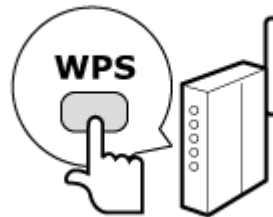
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7. Within 2 minutes, press and hold the WPS button on the wireless LAN router or access point.


*The amount of time you must hold down the WPS button will depend on the wireless LAN router or access point you are using. Please refer to the instruction manual for wireless LAN router or access point.

Searching...
Press the access point
WPS button for about
5 seconds.
Cancel: Press Stop



*If "Cannot find Access Point" appears, press [OK] to close the screen and follow the procedure again from Step 5.

Connecting...
Cancel: Press Stop



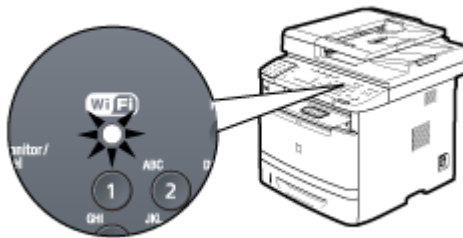
Configuring with WPS Features (Push Button Mode)

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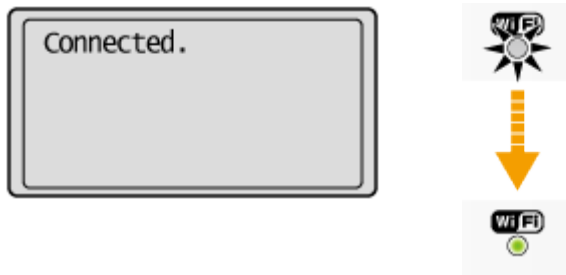
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8. Make sure the WiFi indicator blinks.

When the wireless LAN router or access point is detected, the Wi-Fi indicator blinks.



The screen below is displayed for approximately 2 seconds, and then the Wi-Fi indicator will remain solidly lit.



*If an error message appears, press [OK] to close the screen and follow the procedure again from Step 5

9. Wait until the machine sets the IP address automatically (approx. 2 min).

The imageCLASS device sets the IP address automatically and connects to the network. When the next screen is displayed, click [OK].

If you want to set the IP address manually, see the following.

- e-Manual “Setting the IP Address (IPv4)
- e-Manual “Setting the IP Address (IPv6)

Automatic obtaining of the IP address (Auto IP)

By default, <DHCP> and <Auto IP> are enabled

Even if you do not set the IP address manually, this machine can obtain it automatically.


- Even if you do not have a dedicated device such as a DHCP server, the IP address is obtained automatically.
- The <DHCP> setting is prioritized over <Auto IP>

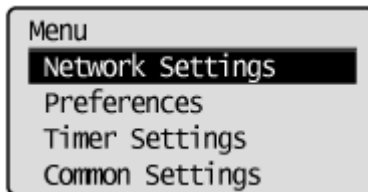
When your computer is set to a static IP address, assign a static IP address to the machine manually.

Next, Checking the IP address

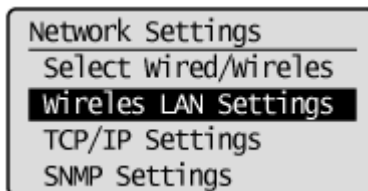
[Click Here](#)

Enter the PIN code generated by the imageCLASS device to wireless LAN routers and/or access points for connection.

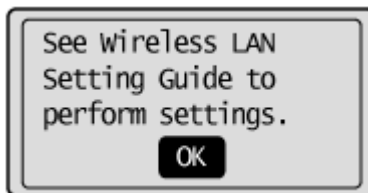
1. Press [] (Menu).
2. Select <Network Settings> using [▲] or [▼], and then press [OK].



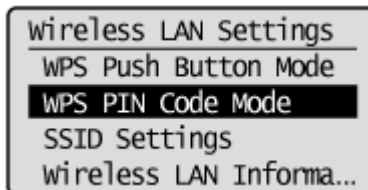
3. Select <Wireless LAN Settings> using [▲] or [▼] and press [OK].



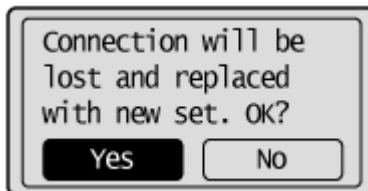
4. Press [OK].



5. Select <WPS PIN Code Mode> using [▲] or [▼] and press [OK].



6. Select <Yes> using [◀] and press [OK].

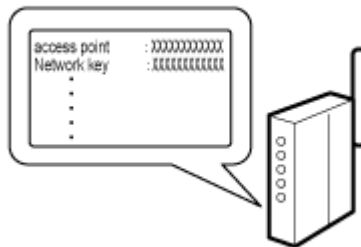


7. Within 10 minutes, use your computer to enter the PIN code displayed on the screen into the wireless LAN router or access point.

```
Searching...
Enter access point
PIN Code
PIN Code: 12345678
Cancel: Press Stop
```

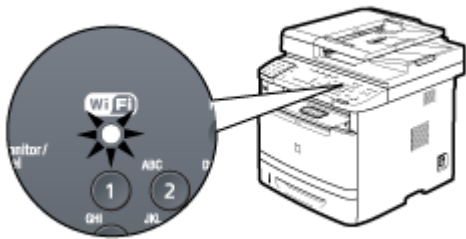
*For PIN code entry methods, see the instruction manual provided with the wireless LAN router or access point you are using.

* If "Cannot find Access Point" appears, press [OK] to close the screen and follow the procedure from Step 5.

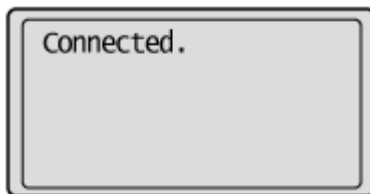


8. Make sure the WiFi indicator blinks.

When the wireless LAN router or access point is detected, the Wi-Fi indicator blinks.



The screen below is displayed for approximately 2 seconds, and then the Wi-Fi indicator will remain solidly lit.



*If an error message appears, press [OK] to close the screen and follow the procedure again from Step 5

9. Wait until the machine sets the IP address automatically (approx. 2 min).

The machine sets the IP address automatically and connects to the network.

If you want to set the IP address manually, see the following.

- e-Manual “Setting the IP Address (IPv4)
- e-Manual “Setting the IP Address (IPv6)

Automatic obtaining of the IP address (Auto IP)

By default, <DHCP> and <Auto IP> are enabled

Even if you do not set the IP address manually, this machine can obtain it automatically.

- Even if you do not have a dedicated device such as a DHCP server, the IP address is obtained automatically.
- The <DHCP> setting is prioritized over <Auto IP>

When your computer is set to a static IP address, assign a static IP address to the machine manually.

Next, Checking the IP address

[Click Here](#)

If your wireless LAN routers and/or access points do not support WPS, enter the wireless LAN router and/or access point information to the machine for connection.

Select Access Point

From the list of access points searched by the machine, select a wireless LAN router or an access point to be connected and enter a network key for connection.

If you know your SSID and Network Key [Click Here](#).

Manual Entry

Enter manually the access point name and/or security information (encryption type/authentication method or encryption method/network key) of wireless LAN routers and access points to be connected to the machine.

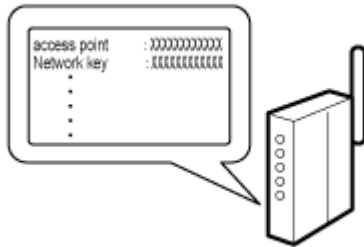
If you know your SSID, type of encryption, and Network Key [Click Here](#).

For assistance in determining your SSID, Network Key, or type of encryption [Click Here](#).

Preparing

The following information is required.

Check your wireless LAN routers and/or access points, and make a note of the information labeled on the bottom.



* See the manual provided with your wireless LAN routers and/or access points, or contact the manufacturer for where the information is displayed or how to check it.

Access Point Name/Network Name

* It may be labeled as "SSID."

It is the distinguished name for specifying a particular access point.
It is used for selecting an access point.

Network Key

*It is also called encryption key, WEP key, WPA/WPA2 passphrase, PSK or pre-shared key.
It is a password that must be set in order to prevent communications from being intercepted.
It is used for entering the network key.

Number of characters in the network key (number of digits)

It is used for selecting a entry format which corresponds to the number of network key characters (digits)

Type of Encryption (Only when Manually Entering SSID)

Please write down the network key that is currently specified for the wireless LAN router or access point.
The machines supports WEP or WPA/WPA2-PSK.

WEP Authentication Method (802.11 Authentication)

Open System or Shared Key

WPA/WPA2-PSK Encryption Method

Automatic (AES-CCMP or TKIP) or AES-CCMP

Checking the SSID or Network Key of the Wireless LAN Router/Access Point

If the SSID and network key are not indicated on the body of the wireless LAN router or access point or if you are not sure because they are changed, you can check using Canon MF/LBP Wireless Setup Assistant.

* Canon MF/LBP Wireless Setup Assistant is included in the supplied User Software CD-ROM.

1. Check your network environment.

You cannot use Canon MF/LBP Wireless Setup Assistant under either of the following conditions.

- Your Computer is connected to the machine over a wired LAN.
- You are using a computer running Windows XP and a Buffalo wireless LAN router or access point.

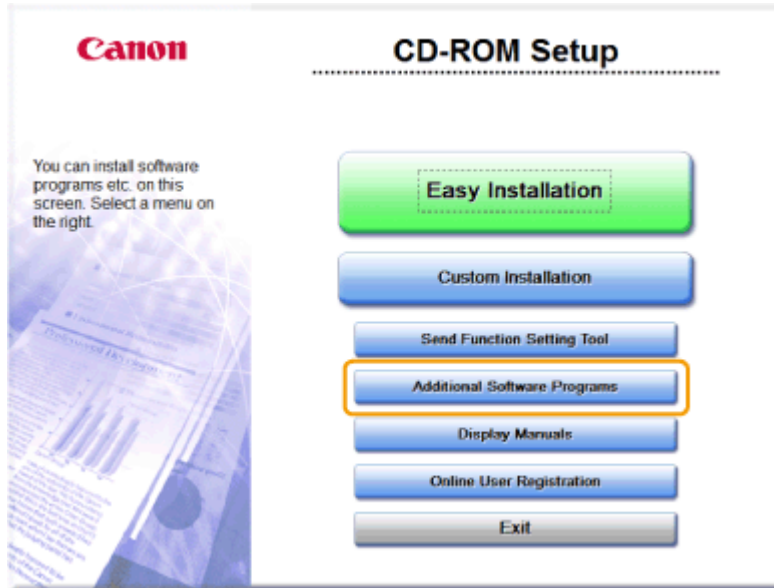
2. Insert the User Software CD-ROM into the slot on your computer.

Configuring Manually (Using the Wireless Setup Assistant)

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3. Click [Additional Software Programs].

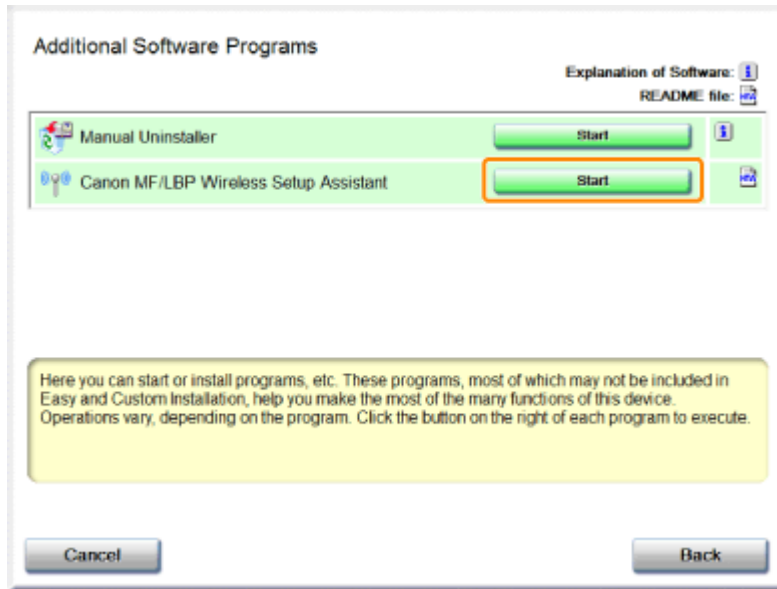


Configuring Manually (Using the Wireless Setup Assistant)

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4. Click [Start] for [Canon MF/LBP Wireless Setup Assistant].

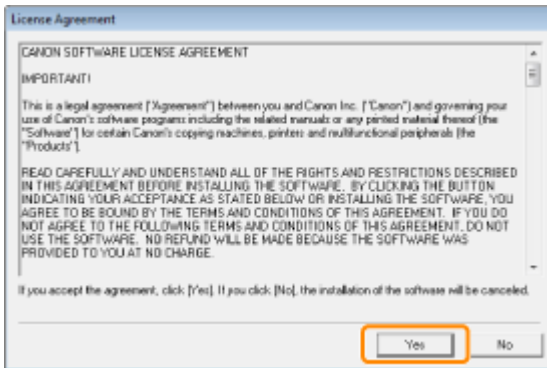


Configuring Manually (Using the Wireless Setup Assistant)

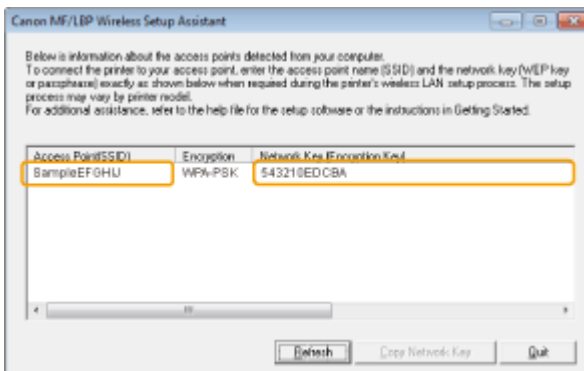
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5. Read the License Agreement. If you agree, click [Yes].



6. The information for the wireless LAN router or access point is displayed. Write down the information outlined in orange.



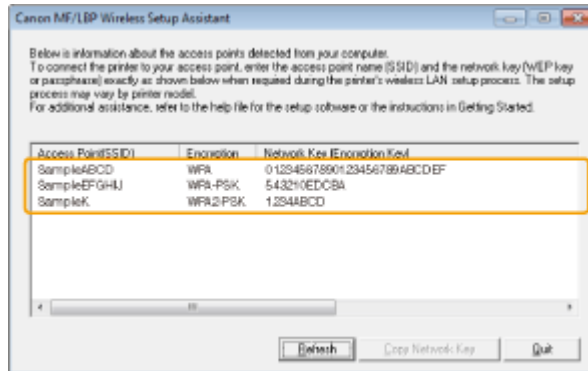
Configuring Manually (Using the Wireless Setup Assistant)

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If multiple access points are displayed

Write down all of the displayed SSIDs



When wireless LAN routers or access points are not displayed

Click [Refresh]




When information is not displayed even after clicking [Refresh], check that the settings for the computer and wireless LAN or access point are complete.

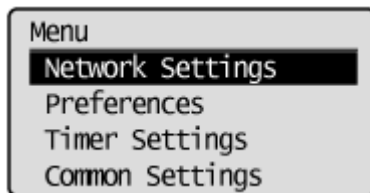
[Click Here](#) to return to the selection page.

From the list of access points searched by the imageCLASS device, select a wireless LAN router or an access point to be connected and enter a network key for connection.

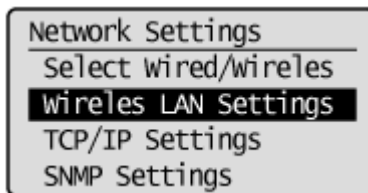
Selecting Access Point

For selecting access points, WEP 802.11 authentication system is set to <Open System>, while WPA/WPA2 is set to Auto> (either AES-CCMP or TKIP)

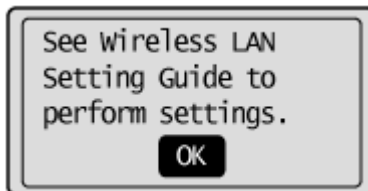
1. Press [] (Menu).
2. Select <Network Settings> using [] or [] and press [OK].



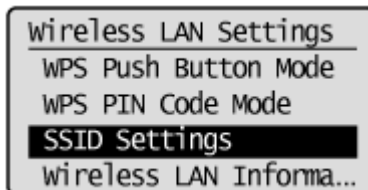
3. Select <Wireless LAN Settings> using [▲] or [▼] and press [OK].



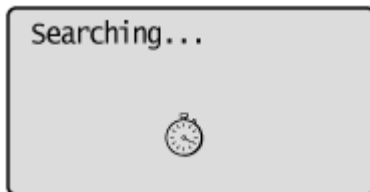
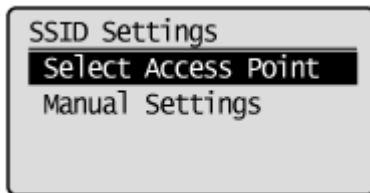
4. Press [OK].



5. Select <SSID Settings> using [▲] or [▼] and press [OK].

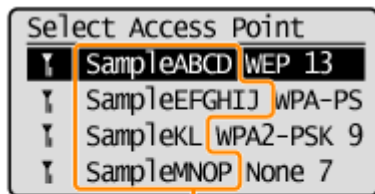


6. Select <Select Access Point> using [▲] or [▼] and press [OK].



7. Select the matched SSID that you have written down earlier using [▲] or [▼], and then press [OK].

If multiple matched SSID are displayed, select the one that is displayed at the top (a stronger signal).

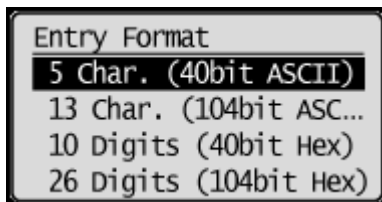
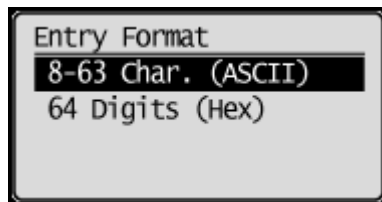


SSID

SSID is displayed in front of
"WEP" "WPA" "None".

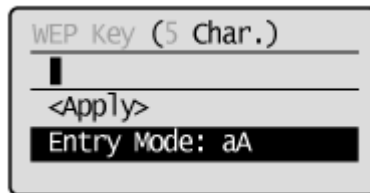
8. Enter the network entry format that matches the number of network key characters (digits) that you have written down earlier using [▲] or [▼], and then press [OK].

Either of the following screens is displayed.



9. Enter the network key that you have written down.

ASCII text



The screenshot shows a configuration screen titled "WEP Key (5 Char.)". Below the title is a horizontal line with a cursor. Below that is the text "<Apply>". At the bottom, there is a black bar with the text "Entry Mode: aA" in white.

1. Press [*] (Tone), and then select <Entry Mode>.
2. Enter the network key. Enter it using the numeric keys.
3. Select <Apply> using [▲] or [▼], and then press [OK].

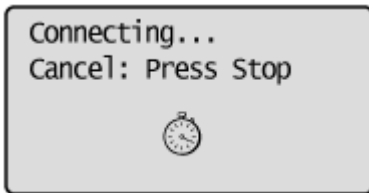
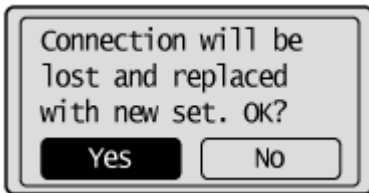
Hexadecimal



The screenshot shows a configuration screen titled "PSK (64 Digits)". Below the title is a horizontal line with a cursor. Below that is the text "<Apply>". At the bottom, there are two rows of characters: "1 2 3 4 5 6 7 8 9 0" and "A B C D E F", with left and right arrow keys at the end.

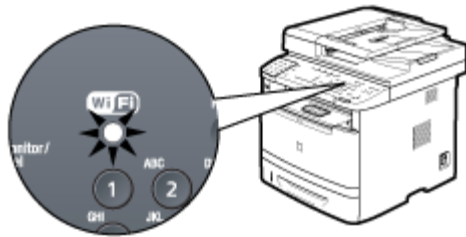
1. Enter the network key. Select the characters using [◀] or [▶], and then press [OK] to enter.
2. Select <Apply> using [▲] or [▼], and then press [OK].

10. Select <Yes> using [◀] and press [OK].

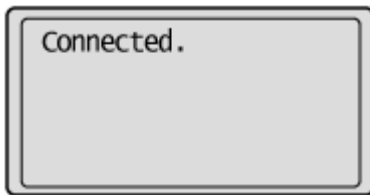


11. Make sure the Wi-Fi indicator blinks.

When the wireless LAN router or access point is detected, the Wi-Fi indicator blinks.



The screen below is displayed for approximately 2 seconds, and then the Wi-Fi indicator will remain solidly lit.



If an error message appears, press [OK] to close the screen, check to make sure that the network key is correct, and follow the procedure from step 4.

12. Wait until the machine sets the IP address automatically (approx. 2 min).

The machine sets the IP address automatically and connects to the network.
If you want to set the IP address manually, see the following.

- e-Manual “Setting the IP Address (IPv4)
- e-Manual “Setting the IP Address (IPv6)

Automatic obtaining of the IP address (Auto IP)

By default, <DHCP> and <Auto IP> are enabled

Even if you do not set the IP address manually, this machine can obtain it automatically.

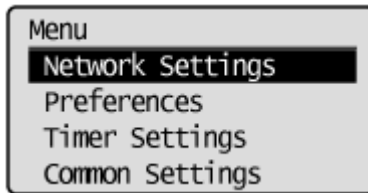
- Even if you do not have a dedicated device such as a DHCP server, the IP address is obtained automatically.
- The <DHCP> setting is prioritized over <Auto IP>

When your computer is set to a static IP address, assign a static IP address to the machine manually.

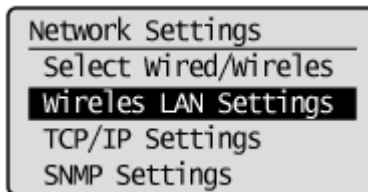
Next, Checking the IP address

[Click Here](#)

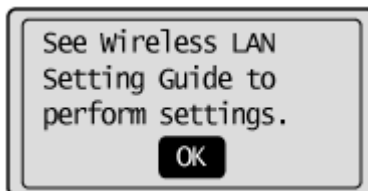
1. Press [] (Menu).
2. Select <Network Settings> using [▲] or [▼], and then press [OK].



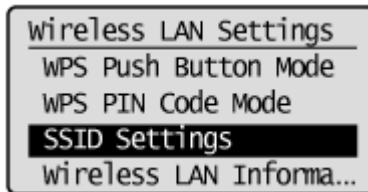
3. Select <Wireless LAN Settings> using [▲] or [▼], and then press [OK].



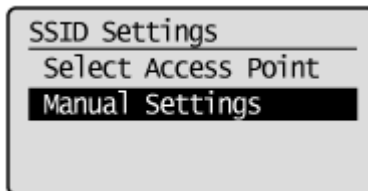
4. Press [OK].



5. Select <SSID Settings> using [▲] or [▼], and then press [OK].

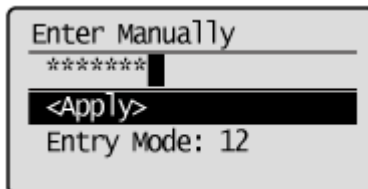


6. Select <Manual Settings> using [▲] or [▼], and then press [OK].

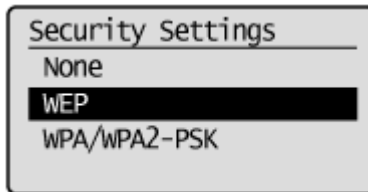


7. Enter the SSID that you have written down.

After entering it using the numeric keys, select <Apply> using [▲] or [▼], and then press [OK].



8. Select encryption types that you have written down using [▲] or [▼], and then press [OK].

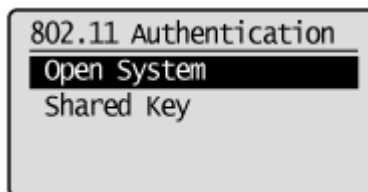


In case of <None>, go to step 12.

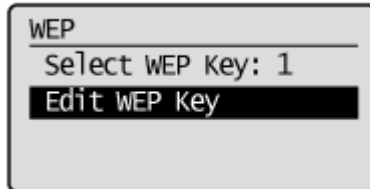
9. Select the authentication method or encryption type that you have written down using [▲] or [▼], and then press [OK].

When the type of encryption is WEP

1. Select the authentication method with [▲] or [▼], and then press [OK].

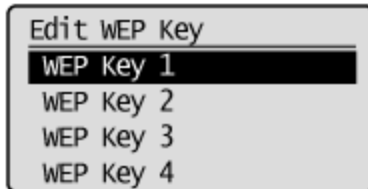


2. Select <Edit WEP Key> using [▲] or [▼]. And then press [OK].



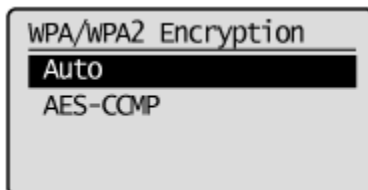
3. Select the WEP key using [▲] or [▼], and then press [OK].

* Select the key number to be used for encryption which you wrote down earlier.



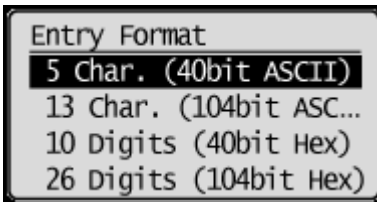
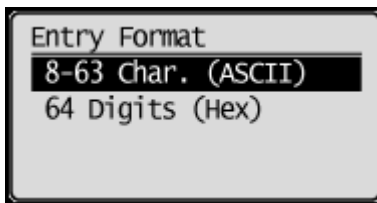
When the type of encryption is WPA/WPA2-PSK

- Auto (AES-CCMP or TKIP)
- AES-CCMP



10. Select the entry format that matches the number of network key characters (digits) that you have written down, using [▲] or [▼] then press [OK].

Either of the following screens is displayed.



Hexadecimal

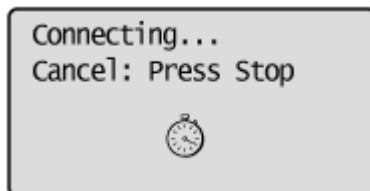
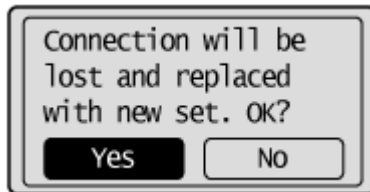


1. Enter the network key.

*Select the characters using [▲] or [▼], and then press [OK] to enter.

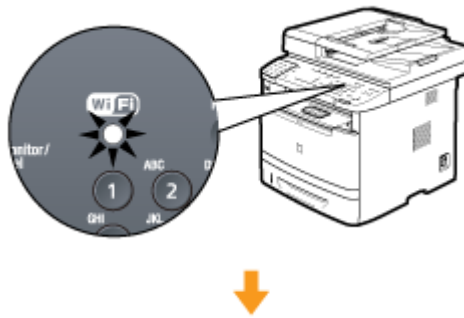
2. Select <Apply> using [▲] or [▼], and then press [OK].

12. Select <Yes> using [◀], and then press [OK].

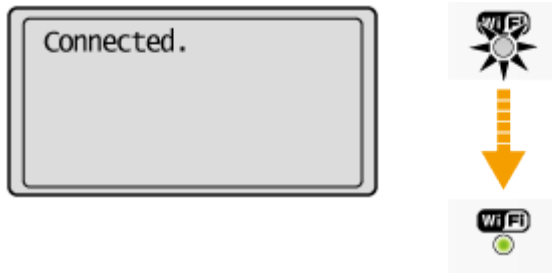


13. Make sure the Wi-Fi indicator blinks.

When the wireless LAN router or access point is detected, the Wi-Fi indicator blinks.



The screen below is displayed for approximately 2 seconds, and then the Wi-Fi indicator will remain solidly lit.



*If an error message appears, press [OK] to close the screen and check to make sure that the type of encryption, method, the network key are correctly entered. If not, enter the network key again.

14. Wait until the machine sets the IP address automatically (approx. 2 min).

The machine sets the IP address automatically and connects to the network.
If you want to set the IP address manually, see the following.

- e-Manual “Setting the IP Address (IPv4)
- e-Manual “Setting the IP Address (IPv6)

Automatic obtaining of the IP address (Auto IP)

By default, <DHCP> and <Auto IP> are enabled

Even if you do not set the IP address manually, this machine can obtain it automatically.

- Even if you do not have a dedicated device such as a DHCP server, the IP address is obtained automatically.
- The <DHCP> setting is prioritized over <Auto IP>

When your computer is set to a static IP address, assign a static IP address to the machine manually.

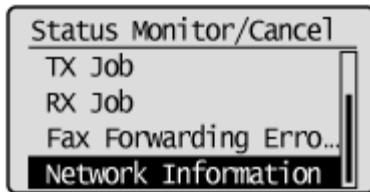
Next, Checking the IP address

[Click Here](#)

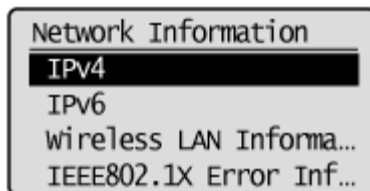
Follow the steps below to confirm the IP address set on the imageCLASS device. Write down the IP address as you may need it when installing the software.

Checking IPv4 address settings

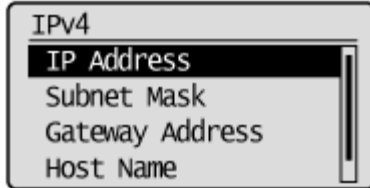
1. Press [●] (Status Monitor/Cancel).
2. Select <Network Information> using [▲] or [▼], and then press [OK].



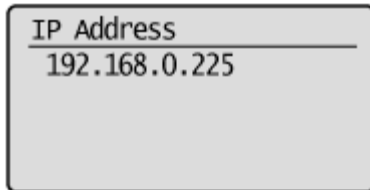
3. Select <IPv4> using [▲] or [▼], and then press [OK].



4. Select <IP Address> using [▲] or [▼], and then press [OK].



5. Write down the IP address.



6. Press [●] (Status Monitor/Cancel) to close the screen.

*If you are using IPv6, please see the e-Manual for instructions on checking the IP address.

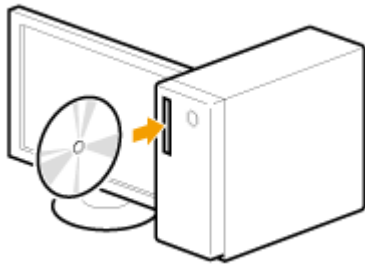
*When you are in an IPv6 environment, you may not be able to use the installation procedure below to install the MF drivers.

See “Installing the MF Drivers on the WSD Network” to install the MF Drivers.

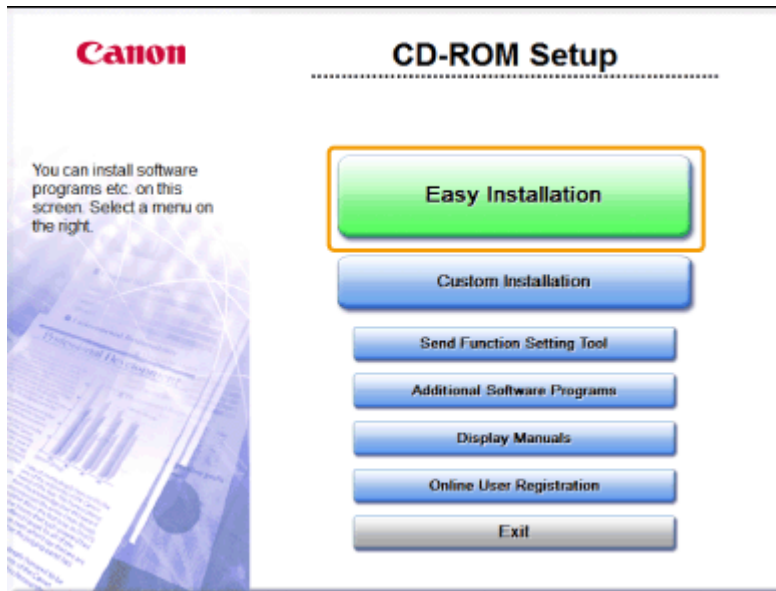
*Note that you cannot use the scan functions in an IPv6 environment.

To install the Presto! PageManager or e-Manual please see “Installing using [Custom Installation]” in the e-Manual.

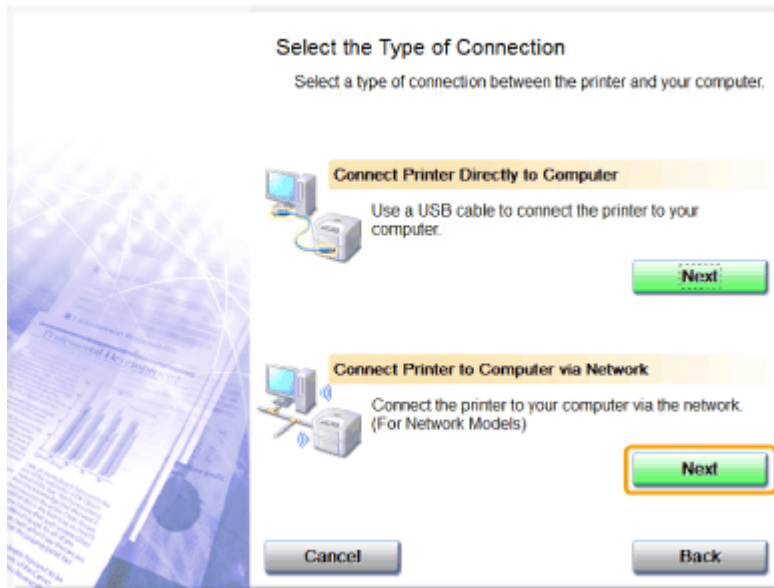
1. Insert the User Software CD-ROM into the slot on your computer.



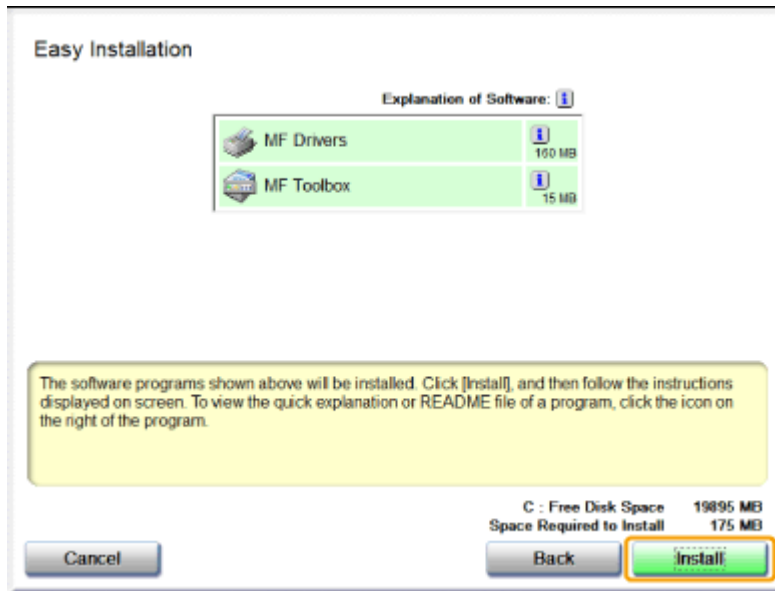
2. Click [Easy Installation].



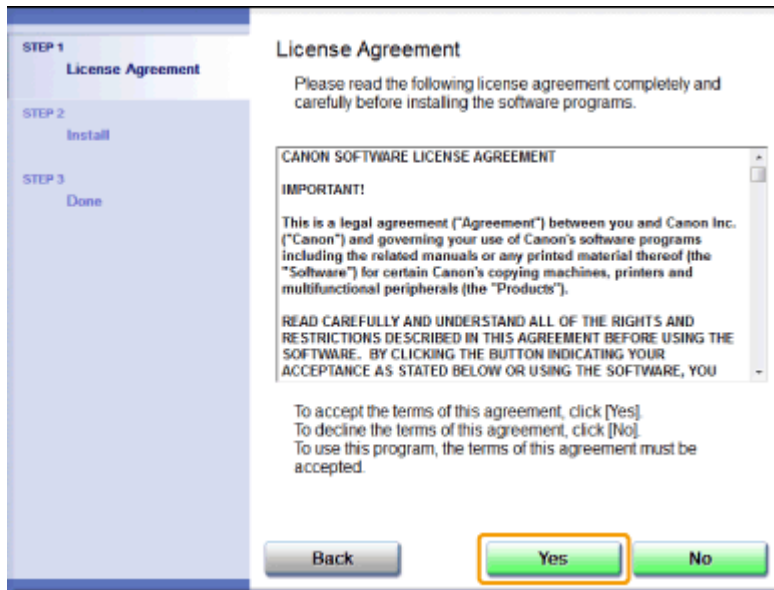
3. When the following screen appears, select [Next] for [Connect Printer to a computer via Network].



4. Click [Install].



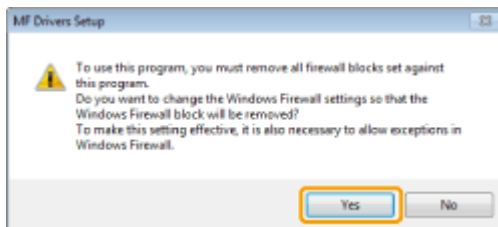
5. Read the License Agreement and click [Yes].



6. Click [Next].

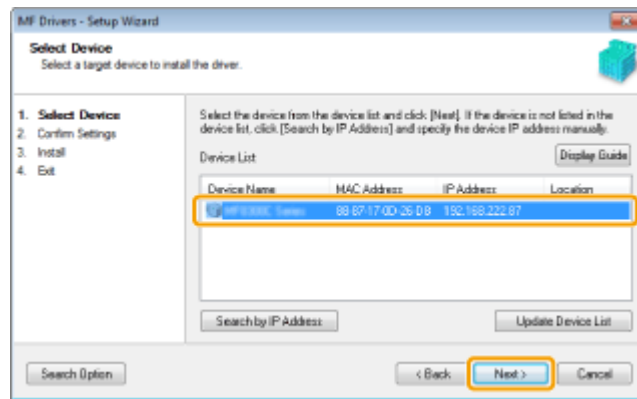


The following screen appears. Click [Yes].



7. Select the device to be installed.

- (1) Select the device.
- (2) Click [Next].



? When no devices are displayed in [Device List] Try the following procedure.

1. Check the following.
 - The computer and machine are connected over the network.
 - The machine is turned ON.
 - The IP address is set correctly
 - The computer and machine are on the same subnet
 - Security software is disabled
2. Click [Update Device List].

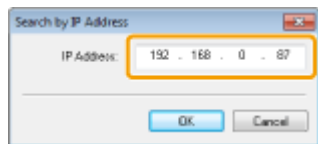
If the problem persists, try the following procedure.

1. Click [Search by IP Address].
2. Enter the IP address of the machine.

*If the IP address of the machine is set between "169.254.1.0 and 169.254.254.255", it means that the IP address is automatically assigned to the machine in the auto configuration procedure.

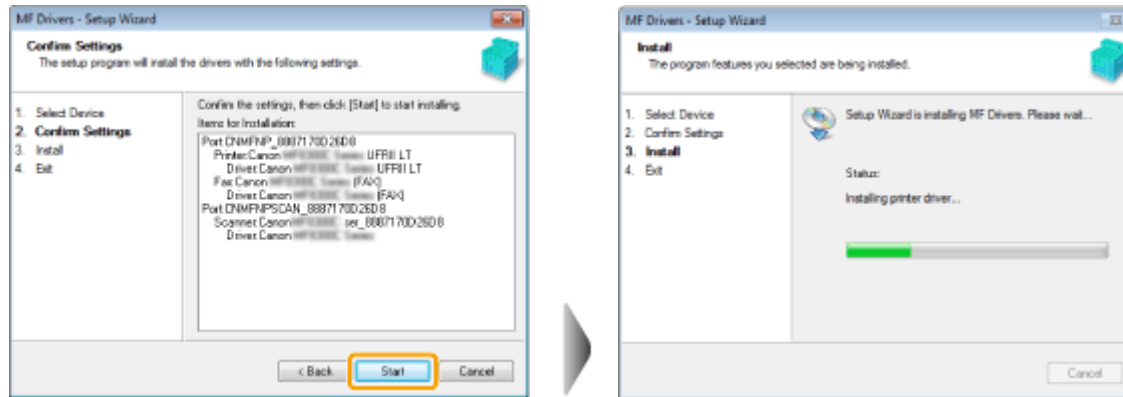
When the IP address is not a link-local address, set up your computer and the machine to be on the same subnet.

This allows the installer to search the machine.

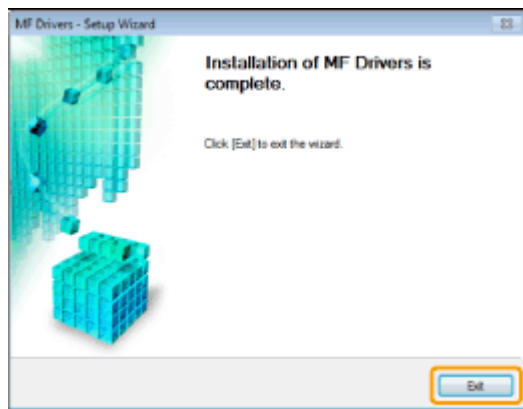


3. Click [OK].

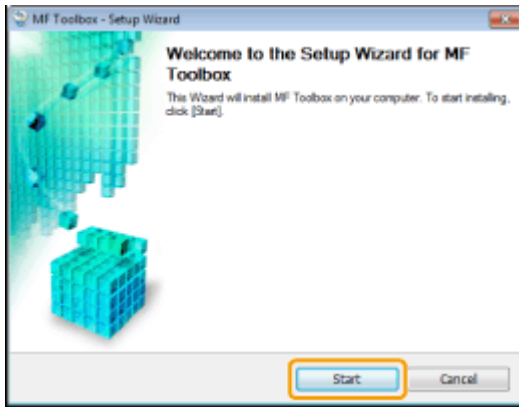
8. Click [Start] to begin installation.



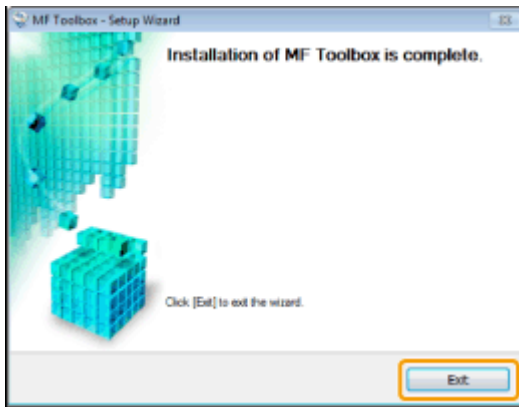
9. Click [Exit].



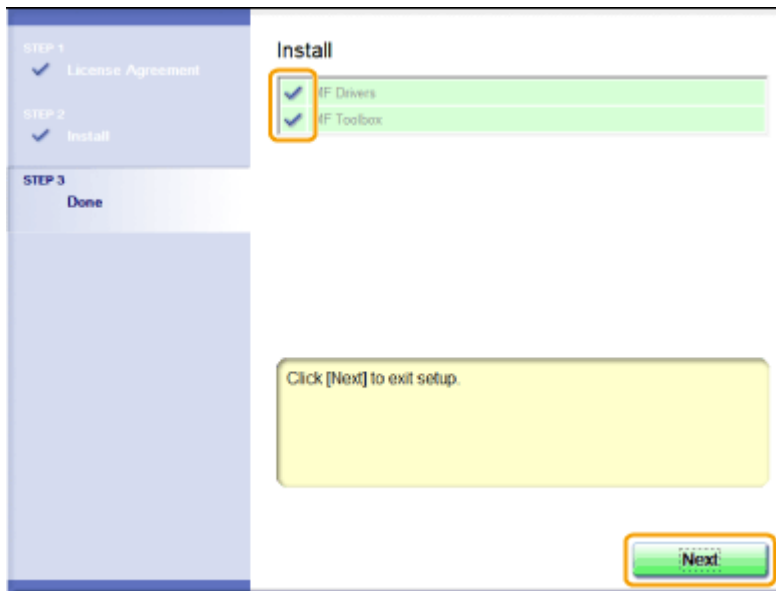
10. Click [Start].



11. Click [Exit].



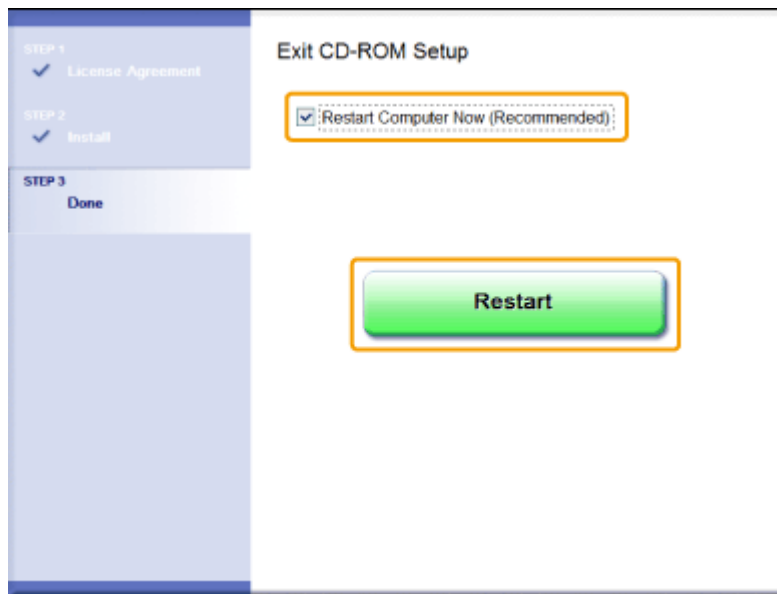
12. Confirm that the applications are selected [] under [Install] and click [Next].



13. Restart your computer.

1. Select the [Restart Computer Now (Recommended)] check box.
2. Click [Restart].

* The CD-ROM can be ejected once this screen appears.



Congratulations!

[<< Previous](#)[Next >>](#)

You have successfully added your Canon imageCLASS device to your wireless network.