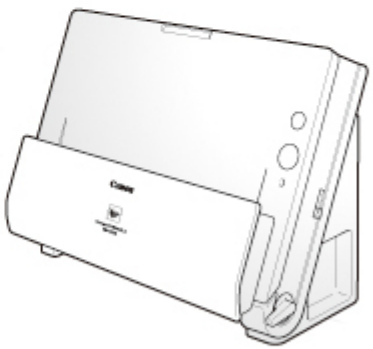
imageFORMULA
DR-C225W II

Wi-Fi Connection Guide



Please read this manual before operating this scanner. After you finish reading this manual, store it in a safe place for future reference.

6T3-0030-01E

Chapter 1 Introduction

Wi-Fi Connection Guide describes the setup procedure for the Wi-Fi functions of the Canon imageFORMULA DR-C225W II (afterward called "this scanner").

Procedures and Example Screens

Wi-Fi Connection Guide describes operations using Windows 7 and OS X 10.7 (Lion) as examples. For operations that are identical between Windows and OS X, this manual uses images from Windows as examples.

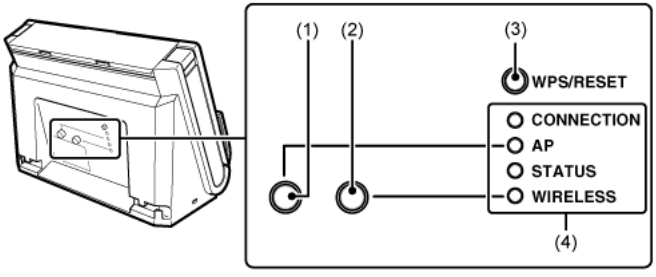
About this Product

The Wi-Fi function in this scanner (IEEE 802.11b/g/n compatible, 2.4 GHz) supports scanning operations via wireless connection to a computer.

By connecting this scanner to an access point in a network environment, it can be used by any computer in the same network. The scanner is very simple to connect if the access point supports WPS (Wi-Fi Protected Setup).

Names of Parts

Only the Wi-Fi-related functions are covered here. See the User's Manual for other functions.



(1) AP Switch

This switches between AP and Station modes.
The AP lamp is lit when this switch is depressed.

(2) WIRELESS Switch

Enables the Wi-Fi functions of the scanner. When enabled, the USB functions of the scanner are disabled even with the cable connected.
The WIRELESS lamp is lit when this switch is depressed.

IMPORTANT

The scanner should always be turned off when pressing the WIRELESS switch to enable the Wi-Fi function.

(3) WPS/RESET Button

Press to connect with a WPS-compatible access point, or to initialize the scanner's Wi-Fi settings.

Holding this button while turning on the scanner resets it to the factory default settings.

(4) Lamp

The following lamps indicate the scanner state.

Lamp	Meaning	
CONNECTION	Lit (green)	AP mode*: Wireless LAN working Station mode*: connecting to the access point
	Blinking green	WPS executing
	Blinking red	WPS Error
	Blinking orange	(Station mode only) Searching for an access point
AP	Lit (green)	Operating in AP mode
	Unlit	Operating in Station mode
STATUS	Blinking green	Transferring data
WIRELESS	Lit (green)	Wi-Fi enabled (USB disabled)
	Unlit	Wi-Fi disabled (USB enabled)

* One of two network modes of the scanner. Change the mode depending on the device that will be connected via Wi-Fi. For details, see "Network modes" on p.3.

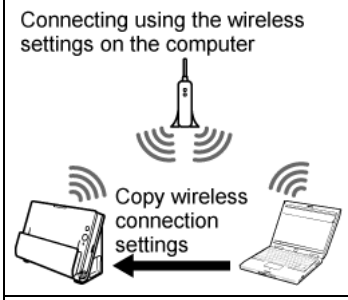
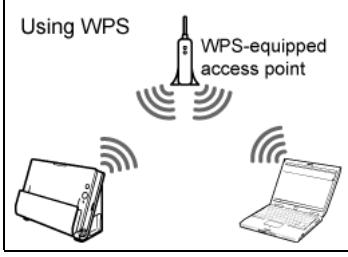
About Wi-Fi Connections

Connect the scanner to an access point or directly to a computer according to the network environment.

Network modes

Depending on the device that will be connected to the scanner via Wi-Fi, you can change the network mode of the scanner as follows.

Network mode	Description
Station mode	The scanner operates as a wireless device. In this mode, a separate wireless access point device is necessary for the scanner to connect to the computer.
AP mode	The scanner operates without another wireless access point. A 1-to-1 connection can be established between the scanner and the computer.

Connecting via a wireless access point (station mode connection)	
	Connection to the scanner can be made using the wireless settings of the computer connected to the wireless LAN access point. See "Connecting Using the Wireless Settings on the Computer" on p.6
	If the wireless access point is WPS-compatible, connection to the scanne‘r can be made using the WPS feature. See "Connecting using the WPS function" on p.11

	If the access point does not supports the WPS function, make the access point settings manually to establish connections. See "Connecting to a Specified Access Point" on p.16

1-to-1 connection (AP mode connection)	
	Search for the scanner and connect to it using your computer's wireless connections feature. See "Connecting using the AP Mode" on p.23
	Search for and connect to the scanner from a smart device (smart phone or tablet). See "How to Connect Smart Devices" on p.24

NOTE

- **The scanner can be shared with multiple computers on the same network via the access point, although only one can connect to the scanner at a time.**
- **The scanner's Wi-Fi and USB connections cannot both be used at the same time. When connecting with Wi-Fi, the scanner cannot be used by a computer connected via USB cable.**
- **When using a Wi-Fi connection, scanning is slower than with the USB connection.**
- **Install NetworkMonitor on the computer from which you are using the scanner.**

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- OS X is a registered trademark of Apple Inc. in the United States and other countries.
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- Wi-Fi CERTIFIED, WPA, WPA2 and Wi-Fi Protected Setup are trademarks of the Wi-Fi Alliance.
- "WPS" in the settings, onscreen displays and in this manual denotes Wi-Fi Protected Setup.
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About Open Source Licenses

This product includes open source software.

For details on the license conditions for each open source software, refer to the OpenSource.txt file stored in the LICENSE folder on the software setup disc.

Chapter 2 Wi-Fi Connection

The procedure for connecting to an access point using the Wireless Connection Setup Tool in Station Mode is described here.

NOTE

This procedure describes the operation by following the on-screen instructions of the Wireless Connection Setup Tool's Easy Setup.

Custom Setup allows arbitrary network configuration for the scanner. For details, refer to "Chapter 3 Changing Scanner Settings".

Connecting Using the Wireless Settings on the Computer

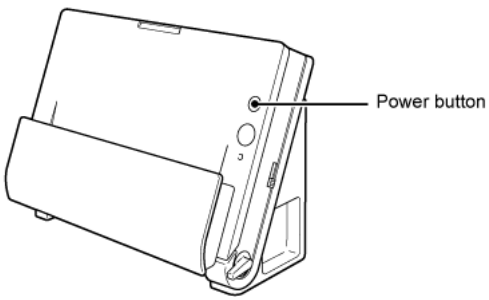
Use [Easy Setup] of the Wireless Connection Setup Tool to obtain the necessary network information from the wireless settings of the computer connected to the wireless LAN access point, and connect the scanner to the same network.

CAUTION

- If the access point is using security settings (such as MAC address filtering), change the settings to allow connection to this scanner.
- To ensure good Wi-Fi communications, perform this procedure with the scanner initially located close to the access point.

1 If the scanner is on, turn it off.

Press and hold the power button until the indicator goes out.



2 Enable the wireless LAN function of the computer.

This step is not necessary if the wireless LAN function is already enabled.
See "About the Computer's Wireless LAN Function" on p.21 for wireless LAN function setting details.

3 Start the Wireless Connection Setup Tool.

NOTE

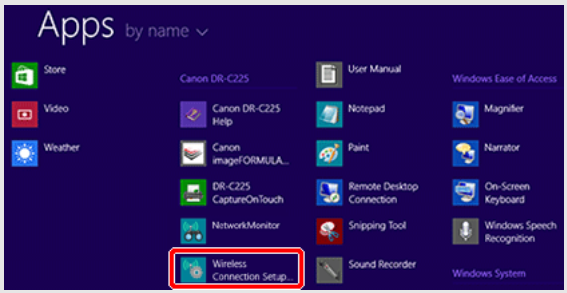
If the Wireless Connection Setup Tool is not yet installed on the computer, see the Setup Guide to install it.

Windows

Click [Start] - [All Programs] - [Canon DR-C225] - [Wireless Connection Setup Tool].

NOTE

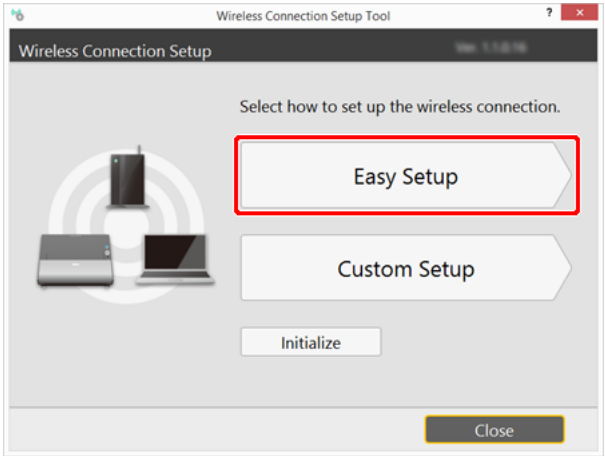
In Windows 8.1/8, it appears as shown below.



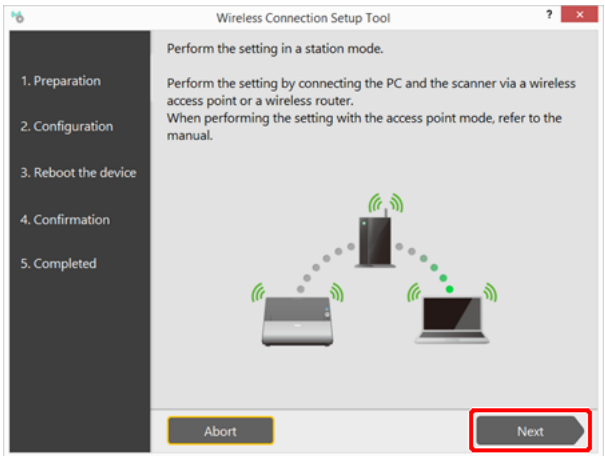
Mac

From the Finder, double click [Application] - [Wireless Connection Setup Tool].

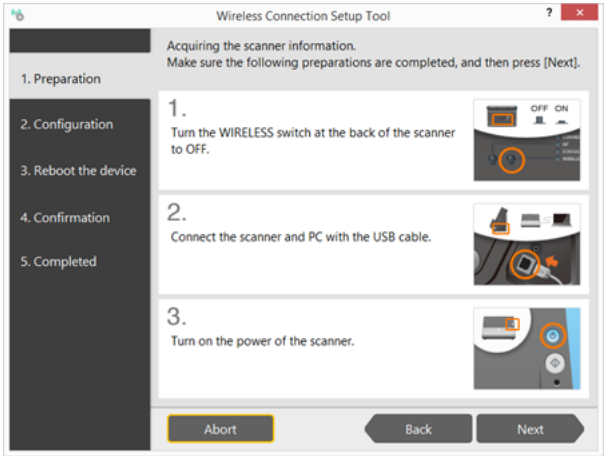
4 Click [Easy Setup].



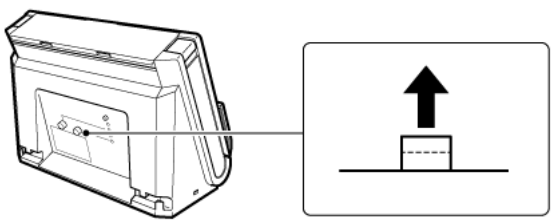
5 Click [Next].



6 Perform steps 1 to 3 as shown on the screen.



(1) Turn off the WIRELESS switch on the rear of the scanner.

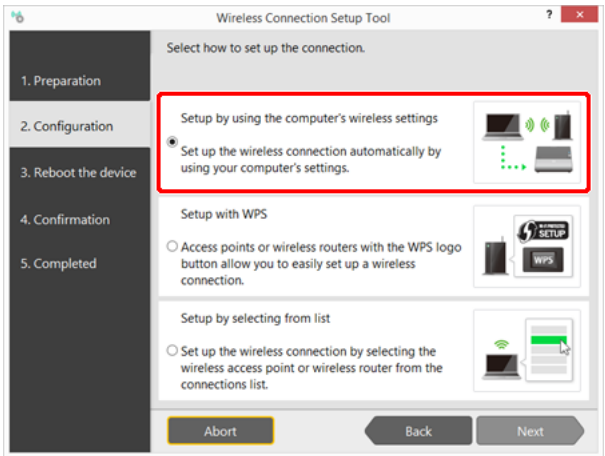


(2) Connect the scanner to a computer via USB cable.

(3) Turn on the scanner.

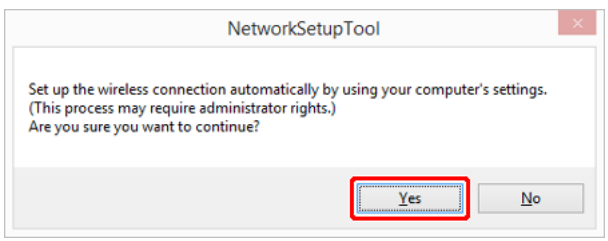
7 Click [Next].

8 Select [Setup by using the computer's wireless settings], and click [Next].



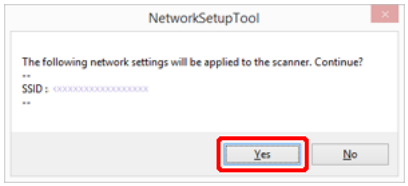
Windows

When the following message appears, click [Yes].

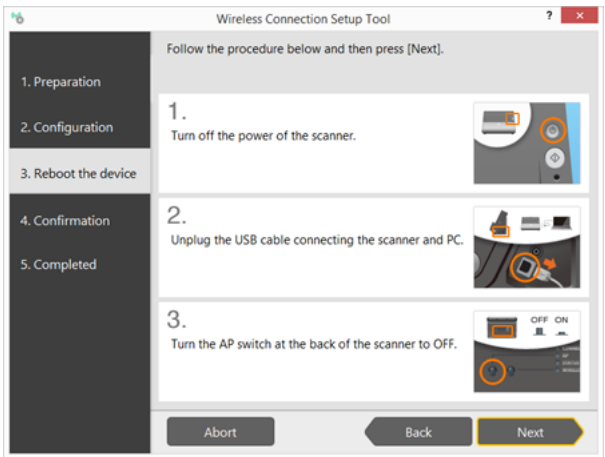


If [User Account Control] appears, click [Yes].

9 Click [Yes].



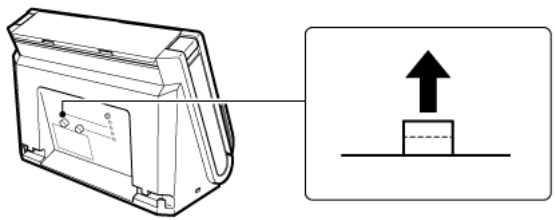
10 Perform steps 1 to 3 as shown on the screen.



(1) Turn off the scanner.
Press and hold the power button until it turns off.

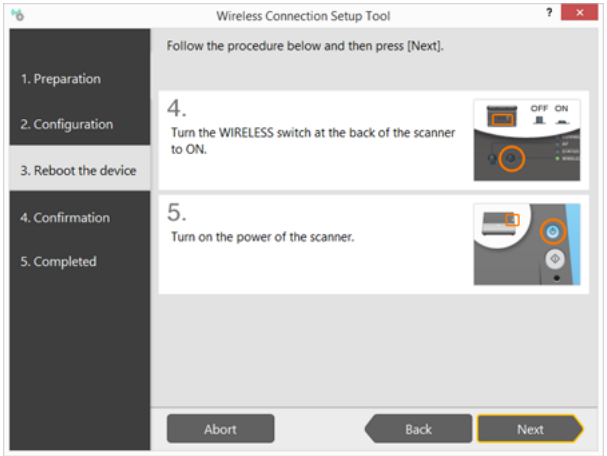
(2) Remove the USB cable.

(3) Turn off the AP switch on the rear of the scanner.

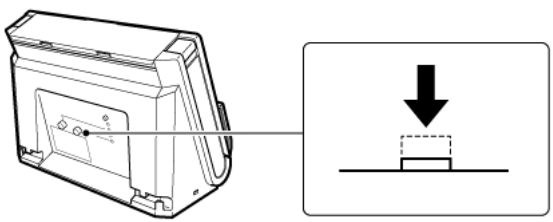


11 Click [Next].

12 Perform steps 4 and 5 as shown on the screen.



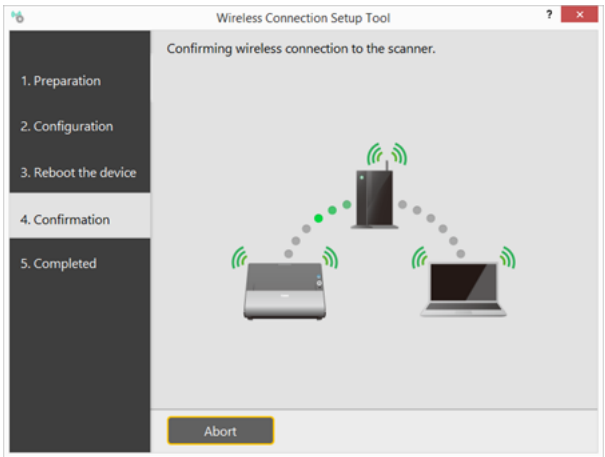
(4) Turn on the WIRELESS switch on the rear of the scanner.



(5) Turn on the scanner.

13 Click [Next].

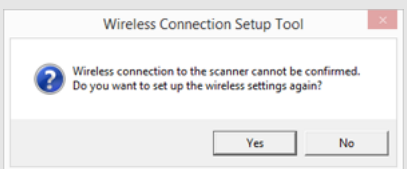
The connection is verified.



"Wireless connection to the scanner is completed." is displayed when the connection is verified. Setup is completed.

NOTE

If the connection fails, a retry confirmation screen appears.



Click [Yes] after resetting, and proceed again from step 3.

Connecting using the WPS function

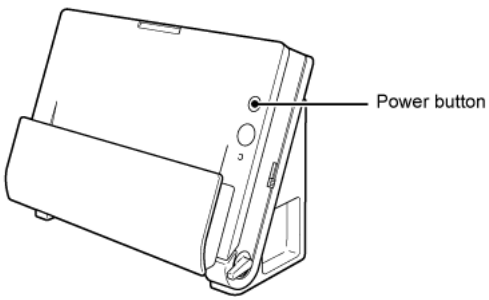
To connect the computer via an access point that supports WPS, use the Wireless Connection Setup Tool's Easy Setup method.

CAUTION

- If the access point is using security settings (such as MAC address filtering), change the settings to allow connection to this scanner.
- To ensure good Wi-Fi communications, perform this procedure with the scanner initially located close to the access point.

1 If the scanner is on, turn it off.

Press and hold the power button until the indicator goes out.



2 Enable the wireless LAN function of the computer.

This step is not necessary if the wireless LAN function is already enabled.

See "About the Computer's Wireless LAN Function" on p.21 for wireless LAN function setting details.

3 Start the Wireless Connection Setup Tool.

NOTE

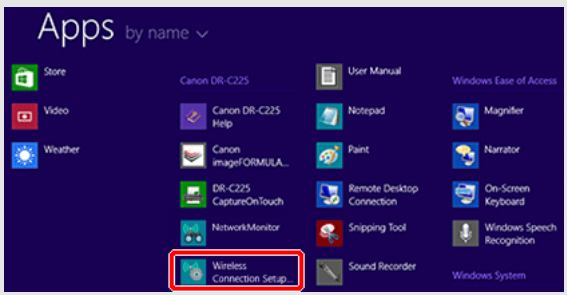
If the Wireless Connection Setup Tool is not yet installed on the computer, see the Setup Guide to install it.

Windows

Click [Start] - [All Programs] - [Canon DR-C225] - [Wireless Connection Setup Tool].

NOTE

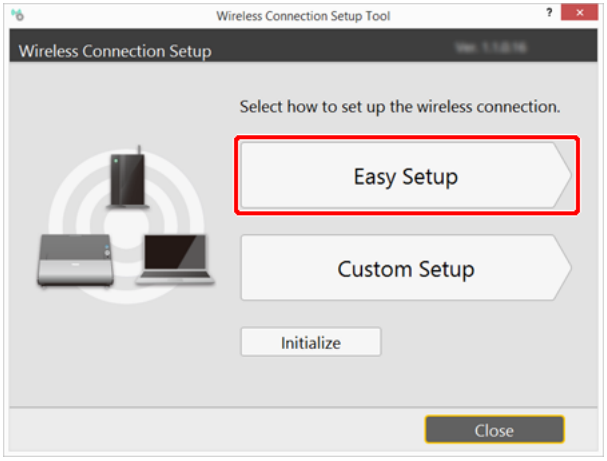
In Windows 8.1/8, it appears as shown below.



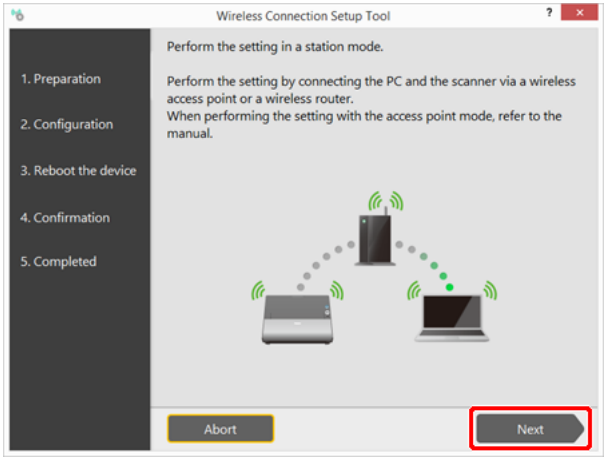
Mac

From the Finder, double click [Application] - [Wireless Connection Setup Tool].

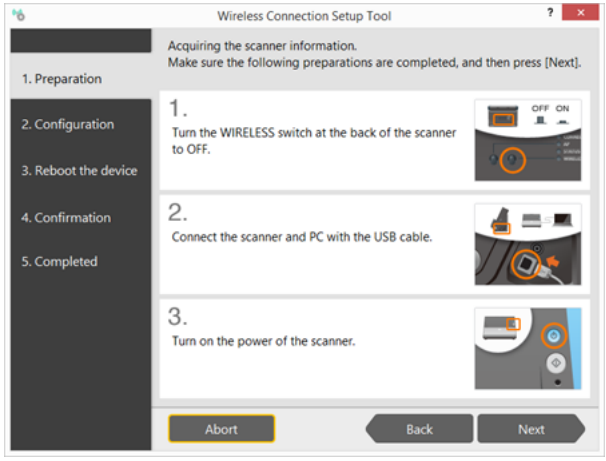
4 Click [Easy Setup].



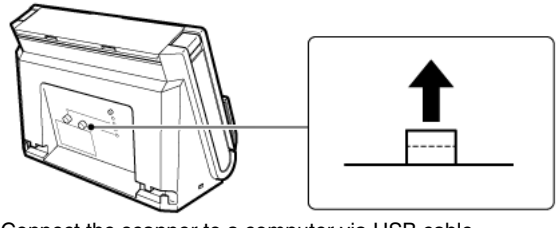
5 Click [Next].



6 Perform steps 1 to 3 as shown on the screen.



(1) Turn off the WIRELESS switch on the rear of the scanner.

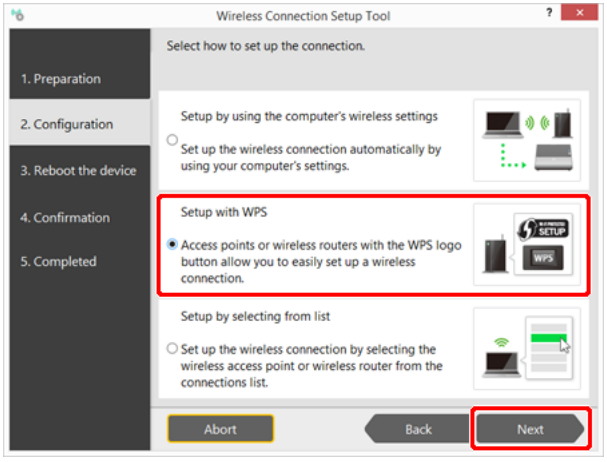


(2) Connect the scanner to a computer via USB cable.

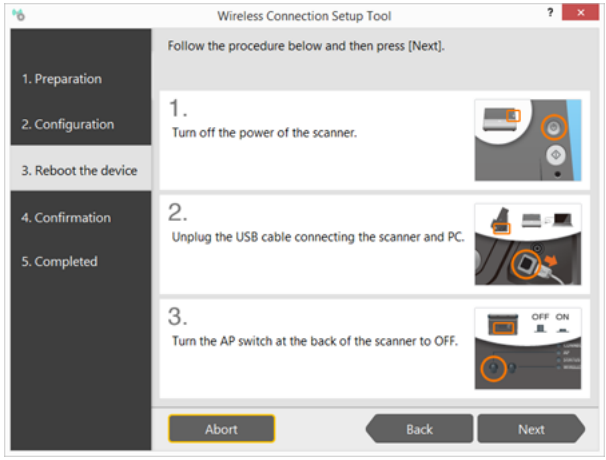
(3) Turn on the scanner.

7 Click [Next].

8 Select [Setup with WPS], and click [Next].



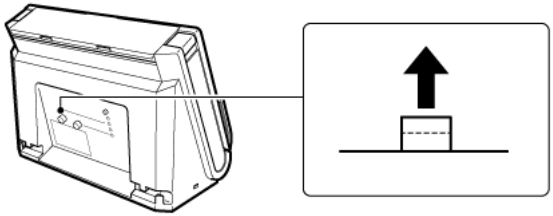
9 Perform steps 1 to 3 as shown on the screen.



(1) Turn off the scanner.
Press and hold the power button until it turns off.

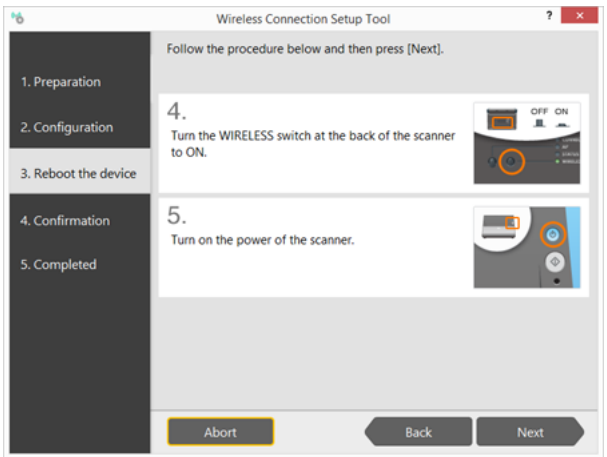
(2) Remove the USB cable.

(3) Turn off the AP switch on the rear of the scanner.

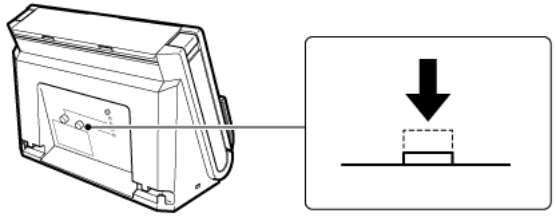


10 Click [Next].

11 Perform steps 4 and 5 as shown on the screen.



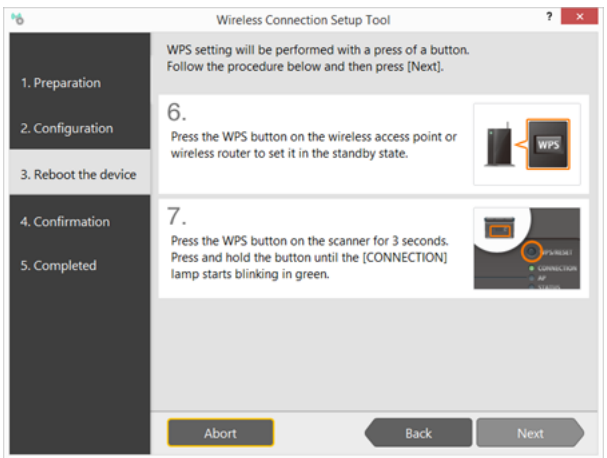
(4) Turn on the WIRELESS switch on the rear of the scanner.



(5) Turn on the scanner.

12 Click [Next].

13 Perform steps 6 and 7 as shown on the screen.



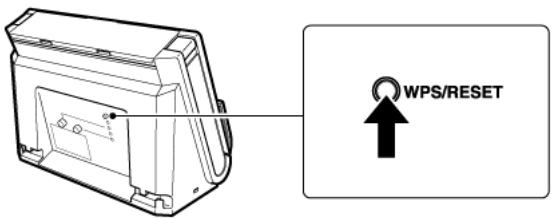
(6) Press the WPS button on the access point to activate the connection-waiting state.

See the instructions for your access point.

CAUTION

This scanner cannot connect if the connection-waiting state is activated on multiple access points at the same time.

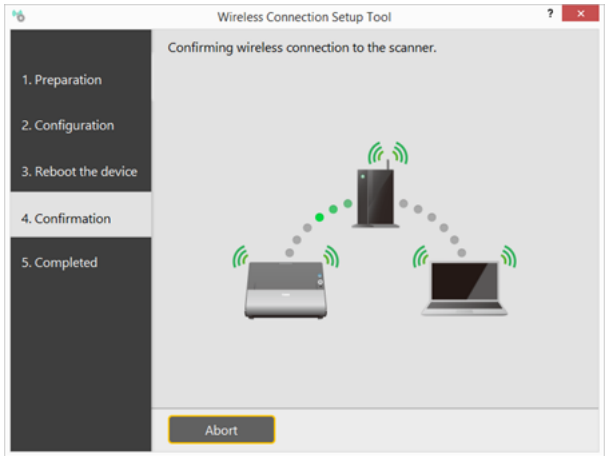
(7) Press and hold this scanner's WPS/RESET button until the CONNECTION lamp blinks green (about 3 to 10 seconds).



This scanner begins communicating with the connection-waiting access point to automatically configure the required Wi-Fi settings. When the setting are configured, the CONNECTION lamp lights steadily (green).

14 Click [Next].

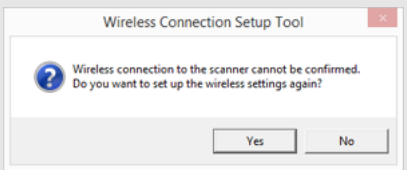
The connection is verified.



"Wireless connection to the scanner is completed." is displayed when the connection is verified. Setup is completed.

NOTE

If the connection fails, a retry confirmation screen appears.



Click [Yes] after resetting, and proceed again from step 3.

Connecting to a Specified Access Point

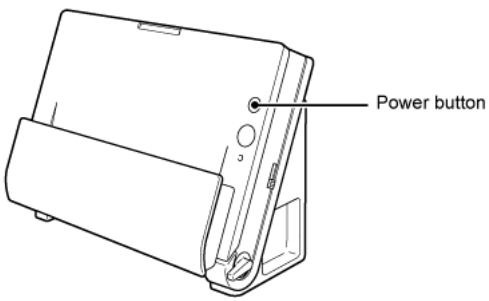
To connect the scanner to a computer via an access point that does not support WPS, select the access point for wireless connection from a list.

CAUTION

- If the access point is using security settings (such as MAC address filtering), change the settings to allow connection to this scanner.
- To ensure good Wi-Fi communications, perform this procedure with the scanner initially located close to the access point.
- Computers running Windows XP (64-bit edition) cannot be connected to the scanner using the following procedure. Configure the settings necessary for connecting to the scanner in [Custom Setup]. See "Chapter 3 Changing Scanner Settings" for details.

1 If the scanner is on, turn it off.

Press and hold the power button until the indicator goes out.



2 Enable the wireless LAN function of the computer.

This step is not necessary if the wireless LAN function is already enabled. See "About the Computer's Wireless LAN Function" on p.21 for wireless LAN function setting details.

3 Start the Wireless Connection Setup Tool.

NOTE

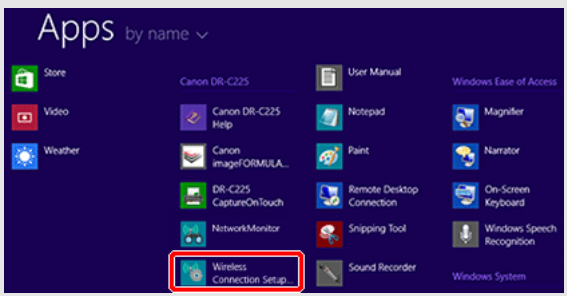
If the Wireless Connection Setup Tool is not yet installed on the computer, see the Setup Guide to install it.

Windows

Click [Start] - [All Programs] - [Canon DR-C225] - [Wireless Connection Setup Tool].

NOTE

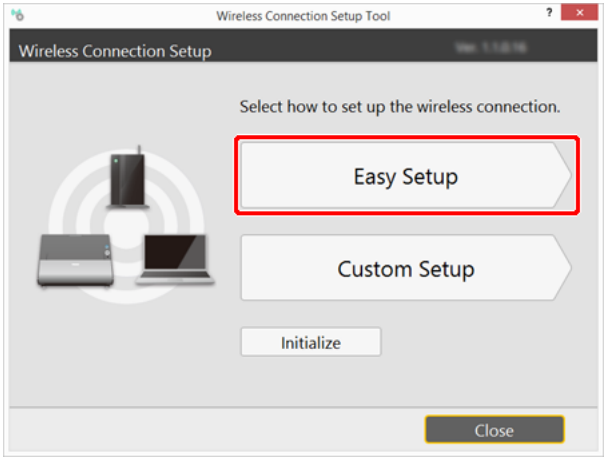
In Windows 8.1/8, it appears as shown below.



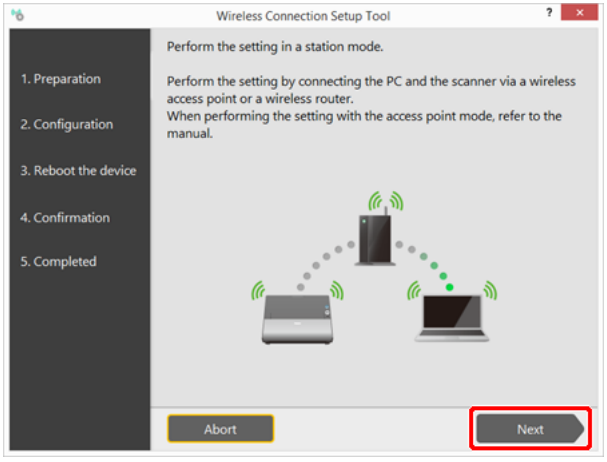
Mac

From the Finder, double click [Application] - [Wireless Connection Setup Tool].

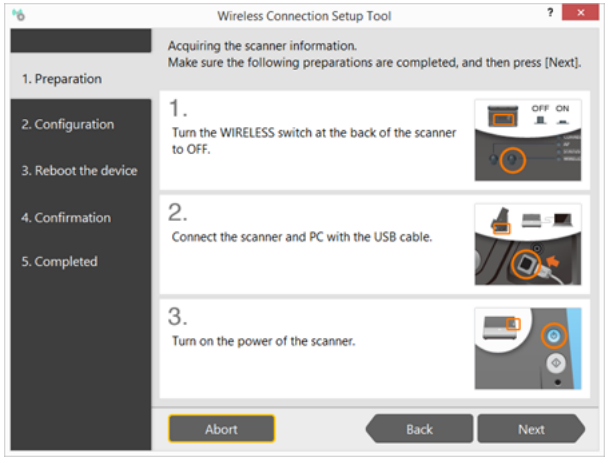
4 Click [Easy Setup].



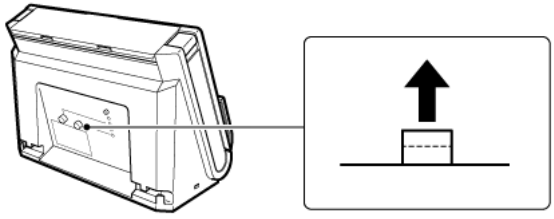
5 Click [Next].



6 Perform steps 1 to 3 as shown on the screen.



(1) Turn off the WIRELESS switch on the rear of the scanner.

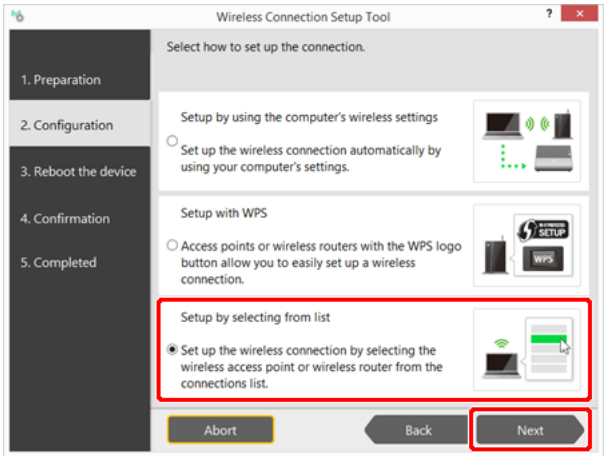


(2) Connect the scanner to a computer via USB cable.

(3) Turn on the scanner.

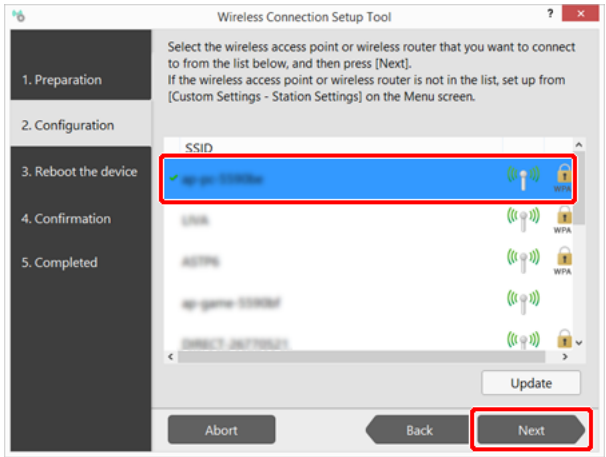
7 Click [Next].

8 Select [Setup by selecting from list], and click [Next].

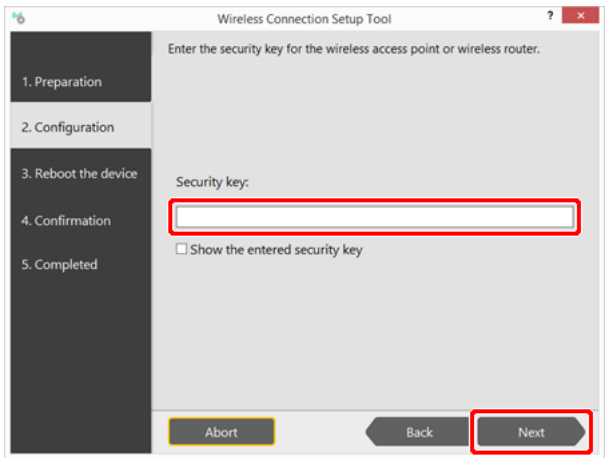


A list of access points detected by the computer is displayed.

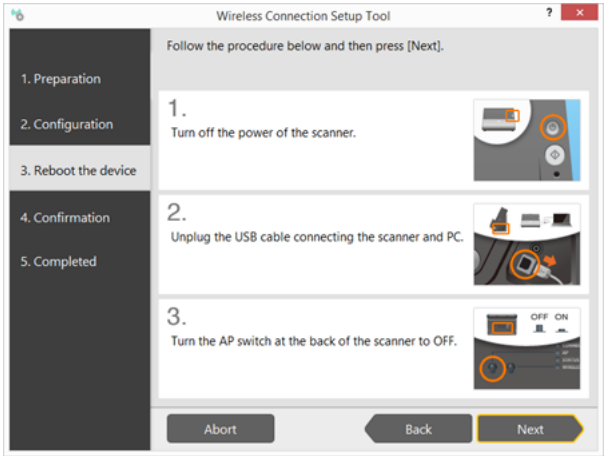
9 Select the SSID of the wireless access point or wireless router from the list, and click [Next].



10 Enter the security key of the wireless access point or wireless router, and click [Next].



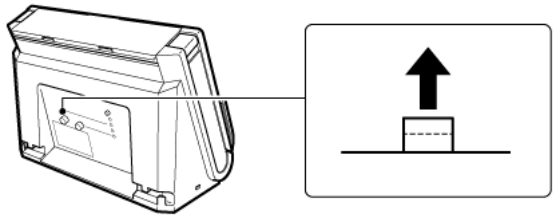
11 Perform steps 1 to 3 as shown on the screen.



(1) Turn off the scanner.
Press and hold the power button until it turns off.

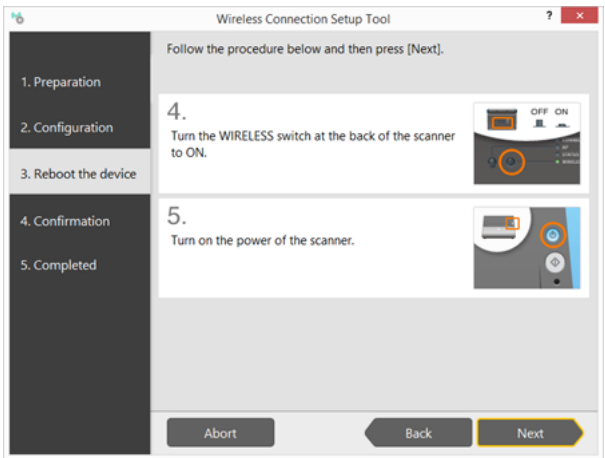
(2) Remove the USB cable.

(3) Turn off the AP switch on the rear of the scanner.

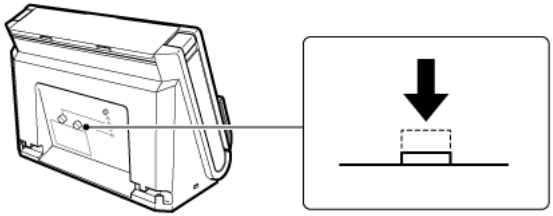


12 Click [Next].

13 Perform steps 4 and 5 as shown on the screen.



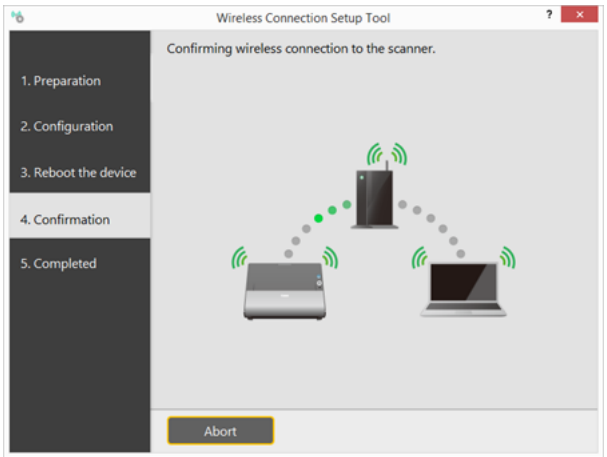
(4) Turn on the WIRELESS switch on the rear of the scanner.



(5) Turn on the scanner.

14 Click [Next].

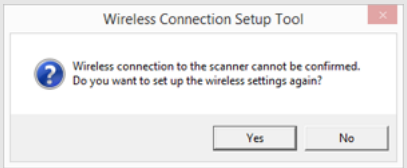
The connection is verified.



"Wireless connection to the scanner is completed." is displayed when the connection is verified. Setup is completed.

NOTE

If the connection fails, a retry confirmation screen appears.



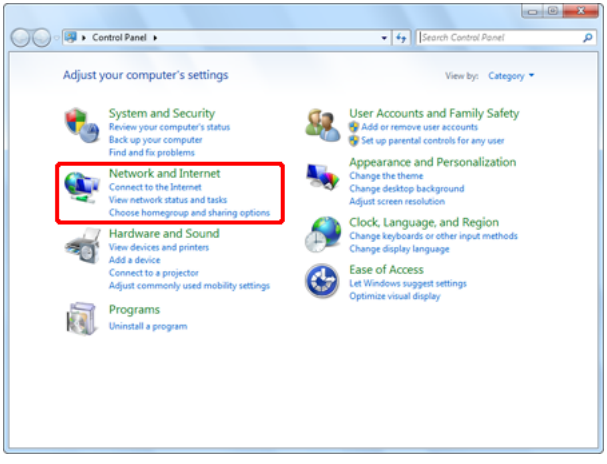
Click [Yes] after resetting, and proceed again from step 3.

About the Computer's Wireless LAN Function

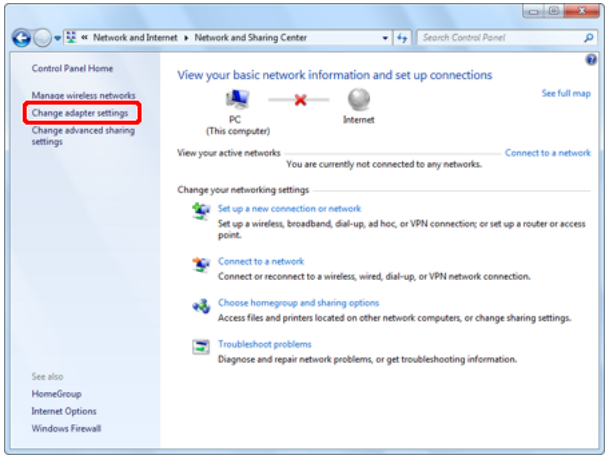
If the computer's wireless LAN function is disabled, enable it by the following procedure.

Windows

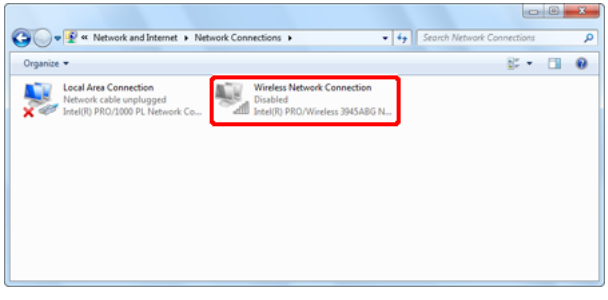
1 Click the Start button - [Control Panel] - [View network status and tasks].



2 Click [Change adapter settings].



3 If the [Wireless Network Connection] icon is [Disabled], double-click the icon.

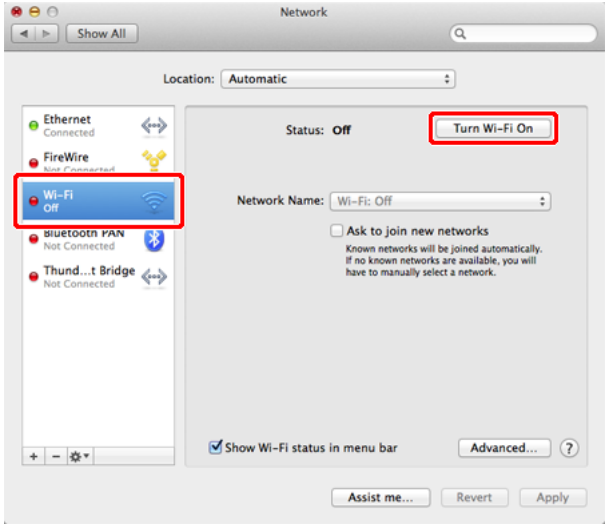


4 Click [X] to close the settings screen.

Mac

1 Click the Apple menu - [System Preferences] - [Network].

2 Click [Wi-Fi], then click the [Turn Wi-Fi On] button.



3 Click to close the settings screen.

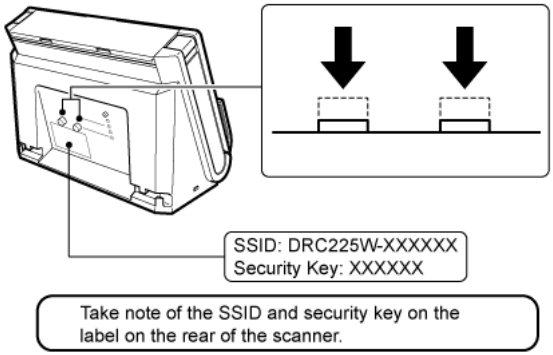
Connecting using the AP Mode

To connect one-to-one with a wireless LAN-equipped computer, set this scanner to the AP mode.

1 If the scanner is on, turn it off.

Press and hold the power button until the indicator goes out.

2 Turn on both the AP switch and the WIRELESS switch on the rear of the scanner.



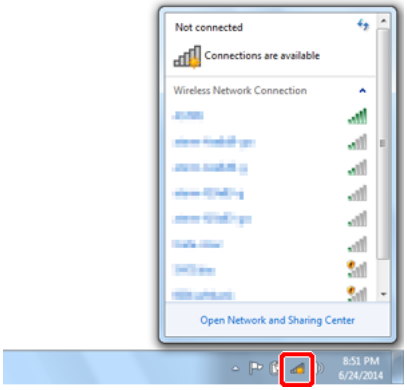
3 Turn on this scanner.

4 Enable the wireless LAN function of the computer.

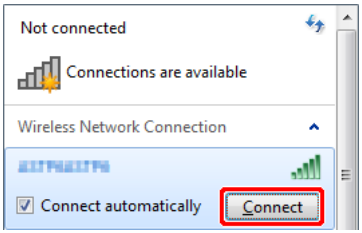
This step is not necessary if the wireless LAN function is already enabled. See "About the Computer's Wireless LAN Function" on p.21 for wireless LAN function setting details.

Windows

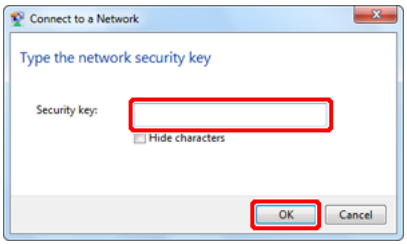
(1) Click the icon in the taskbar to display a list of available wireless networks.



(2) Select the SSID from step 2 in the list, then click [Connect].

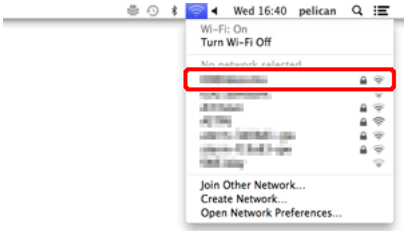


(3) Enter the security key from step 2 in the screen that appears, then click [OK].



Mac

(1) Click the icon, then select the SSID from step 2 in the list.



(2) Enter the password from step 2, then click [Join].

NOTE

You can use NetworkMonitor to verify the connection of the computer and scanner.

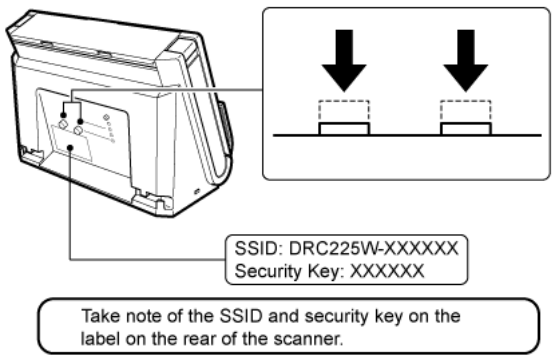
How to Connect Smart Devices

To connect a smart device such as a smart phone or tablet, set the scanner network mode to AP mode (the same as when connecting one-to-one with a wireless LAN-equipped computer).

1 If the scanner is on, turn it off.

Press and hold the power button until the indicator goes out.

2 Turn on both the AP switch and the WIRELESS switch on the rear of the scanner.



3 Turn on this scanner.

4 From the smart device [Settings], tap [Wi-Fi] to confirm that it is enabled.

5 For the network selection, select the SSID from step 2.

6 For the [Password], enter the security key from step 2, and tap [Connect].

Chapter 3 Changing Scanner Settings

The Custom Setup procedure in the Wireless Connection Setup Tool is described here.

Custom Setup allows detailed settings and changes to setting contents.

Starting Custom Setup

Start the Wireless Connection Setup Tool to display Custom Setup.

To run Custom Setup and configure settins, connect the scanner to the computer using a USB cable and turn it on.

1 Start the Wireless Connection Setup Tool.

NOTE

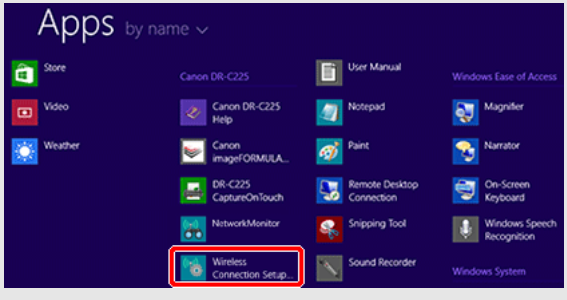
If the Wireless Connection Setup Tool is not yet installed on the computer, see the Setup Guide to install it.

Windows

Click [Start] - [All Programs] - [Canon DR-C225] - [Wireless Connection Setup Tool].

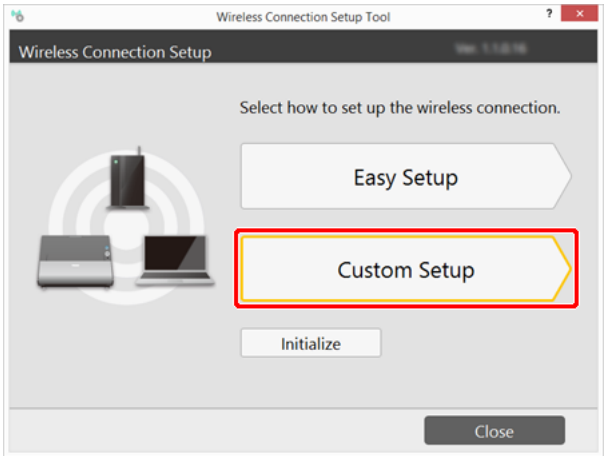
NOTE

In Windows 8.1/8, it appears as shown below.

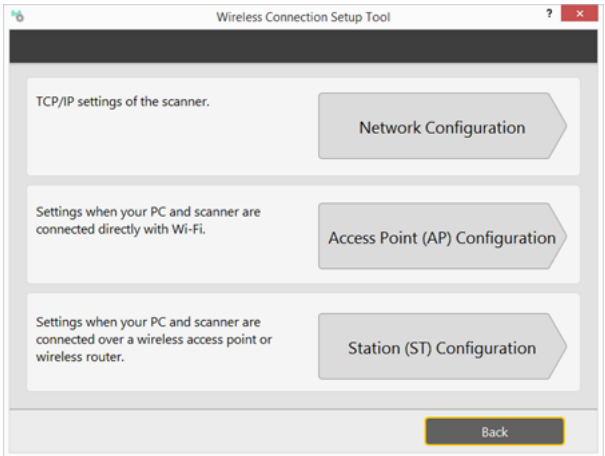


From the Finder, double click [Application] - [Wireless Connection Setup Tool].

2 Click [Custom Setup].



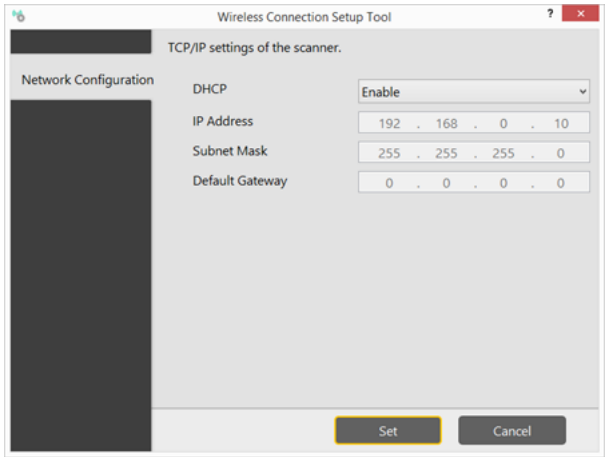
The configuration selection screen appears.



Network Configuration

Click [Network Configuration] on the configuration selection screen to display the following screen.

Enter the scanner's IP address on this screen.



Name	Details	Default Value
DHCP	Enable/disable the DHCP protocol. To assign an IP address using DHCP, the DHCP server must be running in your subnetwork.	ENABLE
IP Address	Set the IP address of this product. If DHCP is enabled, the IP address obtained from it will be applied. The value must be four decimal numbers separated by dots and expressed in the [xxx.xxx.xxx.xxx] format.	192.168.0.10
Subnet Mask	Set the subnet mask of this product. If DHCP is enabled, the subnet mask obtained from it will be applied. The value must be four decimal numbers separated by dots and expressed in the [xxx.xxx.xxx.xxx] format. When set to "0.0.0.0", a subnet mask appropriate for the IP address is automatically used.	255.255.255.0

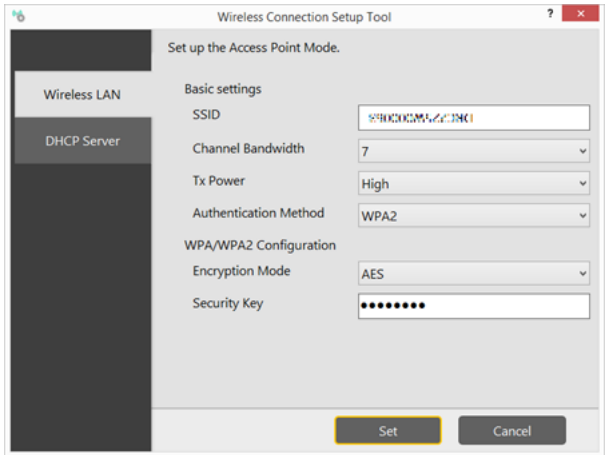
Name	Details	Default Value
Default Gateway	Set the IP address of the gateway. If DHCP is enabled, the default gateway obtained from it will be applied. The value must be four decimal numbers separated by dots and expressed in the [xxx.xxx.xxx.xxx] format. Also, the gateway needs to be running in the same subnetwork as this product. If "0.0.0.0" is set, this setting is disabled.	0.0.0.0

Access Point Configuration

Click [Access Point (AP) Configuration] on the configuration selection screen to display the following screen.

On this screen, configure the scanner as an access point for connecting in AP mode, and make the DHCP server settings required for your network.

Wireless LAN Configuration



Basic Configuration

Name	Details	Default Value
SSID	Set the SSID of this product. The SSID is an ID that distinguishes a wireless LAN network from others. For wireless devices to communicate with each other on a wireless network, they must share the same SSID. Up to 32 characters (including hyphens (-) and underscores (_) can be used.	DRC225Wxxxxxx (xxxxxx is a six digit number that is unique to each model)

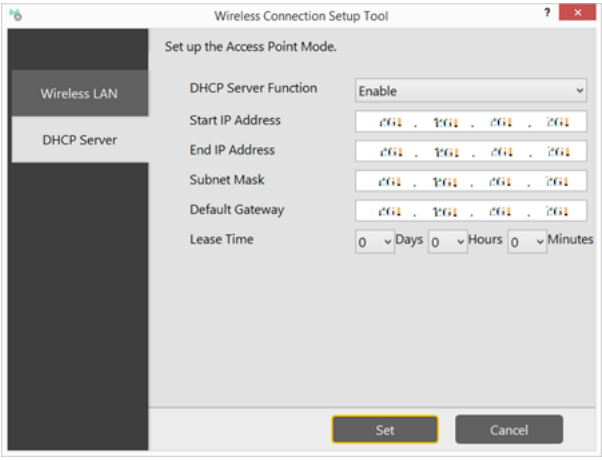
Name	Details	Default Value
Channel Bandwidth	Set the channel used by the wireless LAN. A channel is the divided frequency bandwidth. In a wireless network, bandwidth is divided up so that more devices can communicate at the same time. If your network becomes unstable due to interference from other wireless devices, it could be improved by changing the channel.	1
TX Power	Set the transmit power for connecting to a wireless LAN.	High
Authentication Method	Select the network authentication mode that will be used to connect to the wireless base station (access point). To ensure a secure network, it is recommended to use WPA/WPA2. For IEEE 802.11n, only AES can be used • Open (Open System) Allows all access without authentication. For encryption mode, WEP can be used. • WPA2 Uses PSK for network authentication. For encryption mode, TKIP/AES can be selected. The encryption key will be generated by communicating with your access point using a pre-shared key. The WEP key setting is not used for this mode. • WPA MIX Uses WPA1 or WPA2 for network authentication. WPA1 is used for authentication with a device that does not support WPA2. The highly secure WPA2 is used for authentication with a device that supports it.	WPA2

WPA/WPA2 Configuration

These settings are not displayed when [Authentication Method] is set to [Open].

Name	Details	Default Value
Encryption Mode	Select the encryption mode that you wish to use for WPA/WPA2 authentication. This setting must be the same as that of the other devices (access point, etc.) you wish to connect to. Select one of the following: • AES • Auto When [AUTO] is selected, either AES or TKIP is automatically set according to the network environment.	AES
Security Key	Set the pre-shared key. This setting is necessary when TKIP/AES is used for the encryption mode.The pre-shared key is a keyword used to generate the encryption key. It is also referred to as a [network key] or [password]. Alphanumeric characters are used (8 to 63 characters). This setting must be the same as that of the other devices (access point, etc.) you wish to connect to.	(This 8-digit number is different for each model.)

DHCP Server Configuration

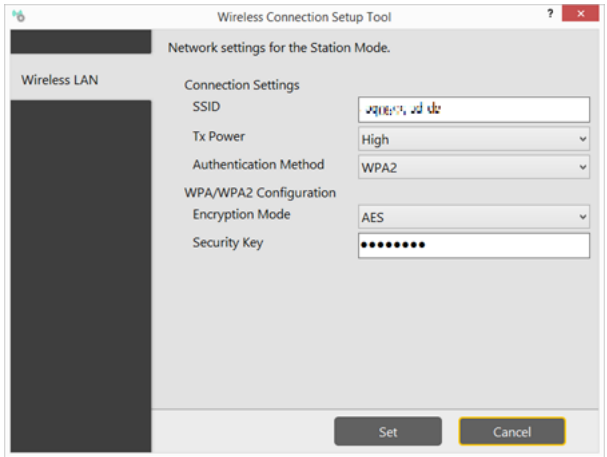


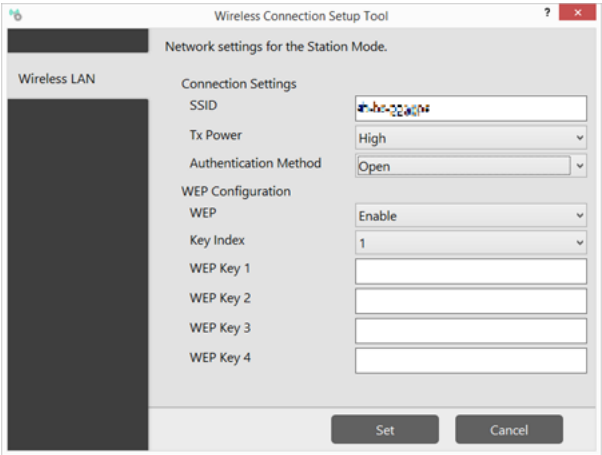
Name	Details	Default Value
DHCP Server Function	Enable/disable the DHCP server function.	ENABLE
Start IP Address	Set the start IP address.	192.168.0.11
End IP Address	Set the end IP address.	192.168.0.254
Subnet Mask	Set the subnet mask.	255.255.255.0
Default Gateway	Set the IP address of the default gateway.	192.168.0.10
Lease Time	Set the expiration period for the network setting obtained with the DHCP server function.	0 Days, 0 Hours, 0 minutes

Station Configuration

Click [Station (ST) Configuration] on the configuration selection screen to display the following screen.

On this screen, enter the network name and select the authentication method for connecting in Station mode.





Basic Configuration

Name	Details	Default Value
SSID	Set the SSID of the wireless LAN to connect this product. The SSID is an ID that distinguishes a wireless LAN network from others. For wireless devices to communicate with each other on a wireless network, they must share the same SSID. Up to 32 characters (including hyphens (-) and underscores (_) can be used.	DRC225Wxxxxxx (xxxxxx is a six digit number that is unique to each model)
TX Power	Set the transmit power for connecting to a wireless LAN.	High

Name	Details	Default Value
Authentication Method	Select the network authentication mode that will be used to connect to the wireless base station (access point). Greatest security can be obtained by using WPA/WPA2. For IEEE 802.11n, only AES can be used • Open (Open System) Allows all access without authentication. For encryption mode, WEP can be used. • Shared (Pre-Shared Key) Uses the WEP key for encryption and allows access only from devices with the same WEP key. For encryption mode, WEP can be used. • WPA2 Uses PSK for network authentication. For encryption mode, TKIP/AES can be selected. The encryption key will be generated by communicating with your access point using a pre-shared key. The WEP key setting is not used for this mode. • WPA MIX Uses WPA1 or WPA2 for network authentication. WPA1 is used for authentication with a device that does not support WPA2. The highly secure WPA2 is used for authentication with a device that supports it.	Open

WEP Configuration

This appears when [Authentication Method] is set to [Open] or [Shared].

Name	Details	Default Value
WEP	Enable/disable WEP encryption (ON/OFF). If WEP encryption is used, wireless communication will be encrypted using the settings for "WEP Key 1-4" and "Key Index". If encryption is not enabled, data is not encrypted and is sent as is. To ensure higher security, it is recommended to enable encryption when you build a wireless network. This setting is not displayed when [Authentication Method] is set to [Shared].	DISABLE

<table>
<tr><th>Name</th><th>Details</th><th>Default Value</th></tr>
<tr><td>Key Index</td><td>When using WEP encryption, set the number of the WEP key that you wish to use for encryption (1-4).
This setting must be the same as that of the other devices (access point, etc.) you wish to connect to.</td><td>1</td></tr>
<tr><td>WEP Key
1 - 4</td><td>Set the encryption key (WEP key) that you wish to use for WEP encryption.
Up to 4 WEP keys can be set. This setting must be the same as that of the other devices (access point, etc.) you wish to connect to. A WEP key must be entered using hexadecimal or alphanumeric characters.
In most cases, alphanumeric characters are used.Enter 5 characters if the key size is 64 bit or 13 characters if the key size is 128 bit.
For hexadecimal, a value consists of numbers (0-9) and English letters (A-F). Enter a 10-digit value if the key size is 64 bit or a 26-digit value if the key size is 128 bit.

WEP Key Length
<table>
<tr><th></th><th colspan="2">WEP Key Size</th></tr>
<tr><th></th><th>64bit</th><th>128bit</th></tr>
<tr><td>Hexadecimal</td><td>10 (digits) characters</td><td>26 (digits) characters</td></tr>
<tr><td>Alphanumeric</td><td>5 characters</td><td>13 characters</td></tr>
</table>
</td><td>None</td></tr>
</table>

WPA/WPA2 Configuration

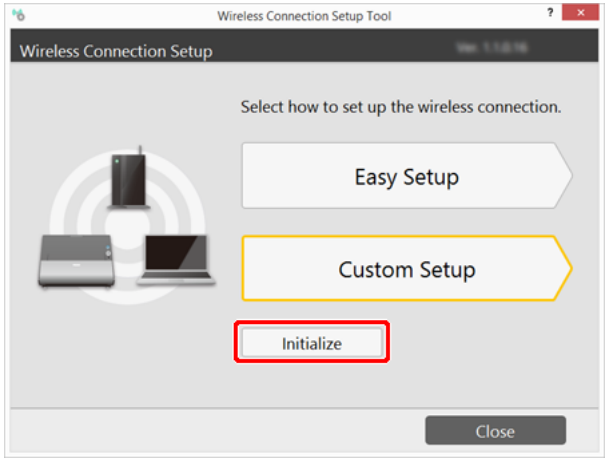
This appears when [Authentication Method] is set to [WPA] or [WPA MIX].

For setting details, see "WPA/WPA2 Configuration" on p.28 in Access Point Configuration.

Setting Initialization

This procedure returns the scanner's settings to their factory defaults.

1 **Click [Initialize] on the top page of the Wireless Connection Setup Tool.**



The confirmation screen appears.

2 **Click the [Yes] button.**

Settings revert to their factory default states.

3 **Restart the scanner.**

Chapter 4 Using Wi-Fi Equipped Scanners

To use a Wi-Fi equipped scanner, establish a connection with the supplied NetworkMonitor software. This chapter describes the basic operations of NetworkMonitor.

About NetworkMonitor

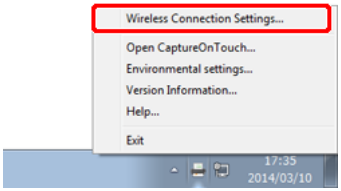
NetworkMonitor is a utility program that manages connections with Wi-Fi equipped scanners.

It detects and connects to available wireless-enabled scanners, and disconnects connected scanners.

1 Start NetworkMonitor.

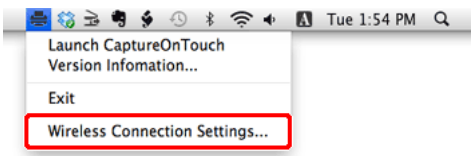
Click the CaptureOnTouch icon (or) displayed in the taskbar notification area, and click [Wireless connection settings] in the displayed menu.

Windows



Or, click [Start] - [All Programs] - [Canon DR-C225] - [NetworkMonitor].

Mac

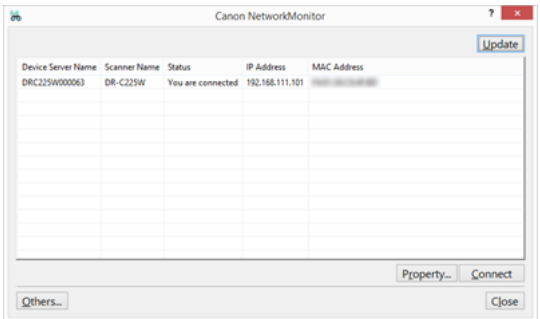


Or, double click [NetworkMonitor] under [Applications] in the Finder.

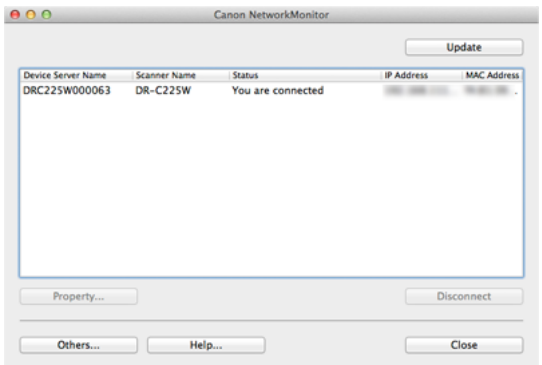
2 Click a scanner in the list, and click [Connect].

Disconnected scanners are indicated by "Available" status in the list.
If a scanner is not listed, verify the scanner-computer Wi-Fi connection is configured correctly, then click [Update] after connecting.

Windows



Mac



When the connection is established, the scanner's status changes to "You are connected". The scanner is now available for use by the computer.

NOTE

Scanner operations when connected by NetworkMonitor are the same as when connected via USB.

When not using a scanner

When not using a scanner, click it in the list, and click the [Disconnect] button. The disconnected scanner's status changes to "Available".

NOTE

Before performing the following operations in OS X, be sure to disconnect the scanner's NetworkMonitor connection.

- **Shutting down or logging off**
- **Switching to another network**

If you perform the above without disconnecting the scanner, other users will not be able to connect to the scanner due to the scanner's connection status being maintained. (In such cases, restarting the scanner will allow connection by other users.)

Auto connect / Auto disconnect

Wi-Fi connected scanners can be used by multiple computers (or smart devices such as smartphones and tablets), but only one device can connect to a scanner at a time. That means when a scanner has been used by a computer (for scanning operations), it will have to be disconnected from that computer before it can be used by another computer.

By default, the auto-connect/disconnect scanner function of NetworkMonitor is enabled. In this case, when a computer requests disconnection to a scanner connected to another computer, the scanner can be disconnected from the other computer and connected to the requesting computer automatically. Once a connection to a scanner has been established, you can use it without being concerned with disconnection operations by other computers or smart devices.

NOTE

When the scanner auto-disconnect function is disabled and a disconnection request is received from another computer or smart device, a scanner disconnection confirmation message is displayed. In this case, the scanner is unavailable to another computer or smart device until disconnected according to the message.

Other uses

See the online Help for more details about NetworkMonitor. Click [?] to display the Help.

Chapter 5 Appendix

Troubleshooting

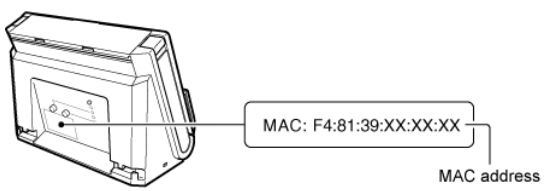
NOTE
Also refer to the instructions for the access point being used.

Q1 **If the Wi-Fi connection is lost during scanning, scanning is not available even when trying to rescan.**

A1 When the Wi-Fi connection is lost while transferring a scanned image from the scanner to the computer, corrupted (scan image) data may remain in the computer. Delete the partially scanned data using the scanning application, and rescan.

Q2 **Cannot connect to an access point**

A2
- Confirm that the access point is operating correctly.
- Turn both this scanner and the access point off and back on, and attempt the Wi-Fi connection again.
- Cordless phones, microwave ovens and radio signals from other appliances can interfere with Wi-Fi signals. Keep Wi-Fi devices away from such appliances.
- When an access point's stealth function is enabled, it cannot be detected during Wi-Fi setup. Disable the stealth function or use manual setup to enter the correct SSID of the access point.
- When the access point's MAC filtering function is enabled, the MAC address of this scanner must be registered.



Q3	**The scanner automatically turns itself off, making the Wi-Fi connection unavailable.**
A3	When the scanner has its Auto Power Off function enabled, it automatically turns itself off after a certain period of inactivity, regardless of the Wi-Fi connection. Turn the scanner back on, and as necessary, disable the Auto Power Off function as described in the scanner's manual.
Q4	**I want to reset to the factory default settings.**
A4	Press and hold the WPS button while turning the scanner on to start initialization. During initialization, the CONNECTION lamp lights red. When the AP lamp turns on, initialization is finished.

Regional Availability and Limitations

Following versions of this product are provided for compliance with the various international wireless laws. The regions of availability for each version are as follows. Please note that each version may be used only in its applicable country/region. For regions not included in the following list, contact customer service.

Version Name	Product Code	Applicable Country/Region	Wireless LAN Standard	Corresponding Channels	Maximum wireless output
DR-C225W II 100V	3259C001	Japan	IEEE 802.11b/g/n	Channels 1 to 13 (2.412 to 2.472 GHz)	EIRP 19.6 dBm
DR-C225W II 120V	3259C002	United States, Canada, Panama		Channels 1 to 11 (2.412 to 2.462 GHz)	
DR-C225W II 220V-240V	3259C003	Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, United Kingdom, Iceland, Liechtenstein, Norway, Switzerland, Turkey, Singapore, Vietnam, Philippines, Indonesia, Malaysia, Thailand, Chile, Russia, Peru		Channels 1 to 13 (2.412 to 2.472 GHz)	
DR-C225W II CA	3259C004	Australia, New Zealand			
DR-C225W II KR	3259C005	Korea			
DR-C225W II INDIA	3259C006	India			

Safety Information

CE – Declaration of Conformity

CE

This equipment complies with the essential requirements of the European Union directive 2014/53/EU.

An original copy of the Declaration of Conformity can be acquired by request from the following addresses.

English	Hereby, Canon Electronics Inc. declares that this equipment is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://www.canon-europe.com/ce-documentation
Czech	Tímto společnost Canon Electronics Inc. prohlašuje, že toto zařízení je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: http://www.canon-europe.com/ce-documentation
Danish	Hermed erklærer Canon Electronics Inc., at dette udstyr er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: http://www.canon-europe.com/ce-documentation
German	Hiermit erklärt Canon Electronics Inc, dass diese Anlage der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: http://www.canon-europe.com/ce-documentation
Estonian	Käesolevaga deklareerib Canon Electronics Inc., et käesolev seade vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: http://www.canon-europe.com/ce-documentation
Spanish	Por la presente, Canon Electronics Inc. declara que este equipo es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección de Internet siguiente: http://www.canon-europe.com/ce-documentation
Greek	Με την παρούσα, η Canon Electronics Inc. δηλώνει ότι ο παρών εξοπλισμός συμμορφώνεται με την Οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης της ΕΕ διατίθεται στην ακόλουθη διεύθυνση στο διαδίκτυο: http://www.canon-europe.com/ce-documentation
French	Le soussigné, Canon Electronics Inc., déclare que le présent équipement est conforme à la Directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante : http://www.canon-europe.com/ce-documentation
Italian	Con la presente, Canon Electronics Inc. dichiara che questa apparecchiatura è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: http://www.canon-europe.com/ce-documentation
Lativian	Canon Electronics Inc. ar šo deklarē, ka šī iekārta atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: http://www.canon-europe.com/ce-documentation
Lithuanian	Šiuo dokumentu „Canon Electronics Inc." patvirtina, kad ši įranga atitinka direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: http://www.canon-europe.com/ce-documentation
Dutch	Hierbij verklaar ik, Canon Electronics Inc., dat deze apparatuur conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: http://www.canon-europe.com/ce-documentation
Maltese	B'dan, Canon Electronics Inc., qed tiddikjara li dan it-tip ta' tagħmir huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan is-sit fuq l-internet: http://www.canon-europe.com/ce-documentation
Hungarian	A Canon Electronics Inc. igazolja, hogy ez a berendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: http://www.canon-europe.com/ce-documentation

Polish	Canon Electronics Inc. niniejszym oświadcza, że niniejsze urządzenie jest zgodne z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: http://www.canon-europe.com/ce-documentation
Portugese	Por este meio, a Canon Electronics Inc. declara que o presente equipamento está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade da UE está disponível no seguinte endereço de Internet: http://www.canon-europe.com/ce-documentation
Slovene	Canon Electronics Inc. potrjuje, da je ta oprema v skladu z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: http://www.canon-europe.com/ce-documentation
Slovak	Spoločnosť Canon Electronics Inc. týmto vyhlasuje, že toto zariadenie je v súlade so smernicou 2014/53/EÚ. Úplné znenie EÚ vyhlásenia o zhode je k dispozícii na tejto internetovej adrese: http://www.canon-europe.com/ce-documentation
Finnish	Canon Electronics Inc. vakuuttaatäten, että tämä laite on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: http://www.canon-europe.com/ce-documentation
Swedish	Härmed försäkrar Canon Electronics Inc. att denna utrustning överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns tillgänglig på följande webbadress: http://www.canon-europe.com/ce-documentation
Romanian	Prin prezenta, Canon Electronics Inc. declară că acest echipament este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: http://www.canon-europe.com/ce-documentation
Bulgarian	С настоящото Canon Electronics Inc. декларира, че това съоръжение е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: http://www.canon-europe.com/ce-documentation
Croatian	Canon Electronics Inc. ovime izjavljuje da je oprema u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: http://www.canon-europe.com/ce-documentation
Irish	Dearbhaíonn Canon Electronics Inc., leis seo, go bhfuil an trealamh seo i gcomhlíonadh leis an Treoir 2014/53/AE. Tá an téacs iomlán de Dhearbhú Comhréireachta AE ar fáil ag seoladh an láithreáin ghréasáin mar seo a leanas: http://www.canon-europe.com/ce-documentation
Norwegian	Herved erklærer Canon Electronics Inc. at dette utstyret er i overensstemmelse med direktiv 2014/53/EU. Den fulle teksten til EUs samsvarserklæring er tilgjengelig på følgende Internett-adresse: http://www.canon-europe.com/ce-documentation
Icelandic	Hér með lýsir Canon Electronics Inc því yfir að þessi búnaður er í samræmi við tilskipun 2014/53/ESB. Allur texti ESB-samræmisyfirlýsingar er í boði á eftirfarandi veffangi: http://www.canon-europe.com/ce-documentation

This telecommunication equipment is in compliance with NTC requirements.

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