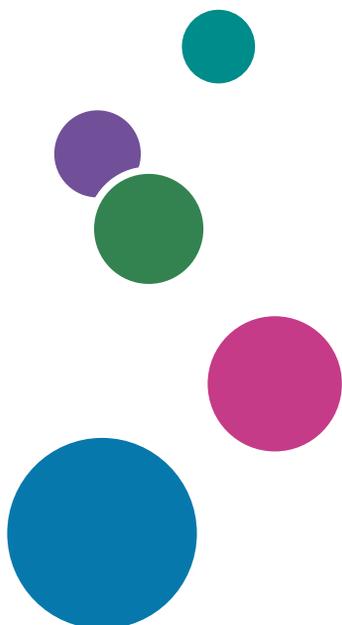




Operating Instructions

AirPrint Guide



For safe and correct use, be sure to read Safety Information before using the machine.

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How to Read the Manuals

Symbols Used in Manuals

This manual uses the following symbols:

Note

Indicates supplementary explanations of the product's functions and instructions on resolving user errors.

[]

Indicates the names of keys or buttons on the product or display.

Disclaimer

To the maximum extent permitted by applicable laws, in no event will the manufacturer be liable for any damages whatsoever arising out of failures of this machine, losses of the registered data, or the use or non-use of this product and operation manuals provided with it.

Make sure that you always copy or have backups of the data registered in this machine. Documents or data might be erased due to your operational errors or malfunctions of the machine.

In no event will the manufacturer be responsible for any documents created by you using this machine or any results from the data executed by you.

1. How to Use AirPrint

This section describes how to use devices from OS X, macOS or iOS using AirPrint.

Before Using AirPrint

About AirPrint

AirPrint is a function that allows you to use AirPrint-compatible printers or multi-function printers that are on the same network to print, scan, and fax from iOS, OS X, or macOS. You can use the print function on iOS, and you can use the print, scan, and fax functions on OS X, or macOS. You can use the print, scan, and fax functions via wired LAN, wireless LAN, or a USB connection on the same network, without installing any printer drivers or software.

Note

- Available functions may differ depending on connected device or connection method.
- For details about available functions, see our website.

Requirements for using AirPrint

OS X and macOS requirements

The following conditions are necessary to print with OS X or macOS:

- OS X 10.7 (Lion) or later
- AirPrint compatible printer or multi-function printer

The following conditions are necessary to scan with OS X or macOS:

- OS X 10.10.3 (Yosemite) or later
- AirPrint compatible multi-function printer

The following conditions are necessary to send fax with OS X or macOS:

- OS X 10.10.3 (Yosemite) or later
- AirPrint compatible multi-function printer

iOS requirements

The latest version of iOS must be installed to print with iOS.

- iPad (All models)
- iPhone (3GS or later)
- iPod touch (3rd generation or later)

Output device requirements

To use AirPrint, select [Active] for the following settings. These settings are set to [Active] by default.

- AirPrint
- Bonjour
- IPP

A device certificate must be installed because AirPrint uses SSL encrypted communications. A device certificate is already installed by default.

To confirm the AirPrint settings and device certificate, see page 4 "Confirming Settings".

Confirming Settings

Confirm the settings required for AirPrint by using a web browser on a computer on the network.

We use Web Image Monitor installed on the printer or multi-function printer. To log in Web Image Monitor, see the web manual for your machine.

Confirming AirPrint settings

1. Log in to Web Image Monitor as a network administrator.
2. Click [Configuration] in "Device Management".
3. Click [AirPrint] in "Network".
4. Confirm that [AirPrint] is set to [Active].
If [Active] is not set, set to [Active].
5. Click [OK].
6. Click [IPv4] in "Network".
7. Confirm that [IPP] is set to [Active].
If [Active] is not set, set to [Active].
8. Click [OK].
9. Click [Bonjour] in "Network".
10. Confirm that [IPv4] or [IPv6] in "Bonjour" is set to [Active].
If [Active] is not set, set to [Active].
11. Click [OK].

Confirming IPP-SSL environment settings

1. Log in to Web Image Monitor as a network administrator.
2. Click [Configuration] in "Device Management".
3. Click [Device Certificate] in "Security".

Confirm the following conditions for [Certificate 1]:

- [Certificate Status] must be [Installed].
- The certificate must have a valid expiration date in [Validity Period].

If an error message appears, see the web manual for your machine.

4. Click [OK].
5. Click [SSL/TLS] in "Security".
6. Configure the following settings:
 - Set [Active] for the version of the internet protocol you are using for [SSL/TLS].
 - Set [Active] for [TLS1.2] in [SSL/TLS Version].
7. Click [OK].

Notes and Limitations

About basic function

- You need to set the security settings for TLS1.2 to use AirPrint.
- A device certificate (self-signed certificate) is installed automatically when AirPrint is set to [Active] but a device certificate for SSL/TLS is not installed.
- Your machine may be unable to communicate with the following utilities after the device certificate for SSL/TLS is installed:
 - Ridoc GlobalScan
 - Third-party products

If this happens, you can recover communications by using one of the three ways described below.

- Install the certificate issued by the certificate authority to both the machine and the utility.
- If a certificate (self-signed certificate) is already installed on the device, install it to the utility as a reliable certificate.
- After setting AirPrint to [Inactive], delete the device certificate for SSL/TLS (You cannot use AirPrint when AirPrint is set to [Inactive]).
- The default for "Permit SSL / TLS Communication" is [Ciphertext / Cleartext]. You need to specify HTTPS to use encrypted communications because access using HTTP is not redirected to HTTPS when [Ciphertext / Cleartext] is set. For instance, you must enter a URL starting with https to access Web Image Monitor.
- When [Ciphertext / Cleartext] is set in "Permit SSL / TLS Communication", your machine may communicate in clear-text with device management software even if a certificate for SSL/TLS is installed. If you want to use encrypted communications, return the setting to [Ciphertext Priority] or [Ciphertext Only].
- If you cannot use AirPrint, contact your service representative.

About the print function

- To print with AirPrint, configure the settings to not use the user authentication function or set print job authentication to [Simple (All)]. For details, see the web manual for your machine.
- When printing with AirPrint, your machine cannot accept multiple jobs simultaneously. Wait for the preceding job to finish before printing the next one.
- If you cancel a job while it is printing, the main text may continue printing if that job has a cover sheet.
- You may not be able to use the printing functions depending on the application.
- When printing odd pages, the last page may be counted as black and white depending on the application and the operation system.

About the scanner function

- You can use the scanner function with AirPrint even if [Use a Destination List that is not DSM] in [General Settings] tab in [Scanner Features] is set to [Not Available].
- When scanning with AirPrint, the following settings are applied. The settings in the [Send Settings] tab in [Scanner Features] are not applied.
 - Compression (Black & White): On
 - Compression Method (Black & White): MMR
 - Compression (Gray Scale / Full Color): On
- You cannot use the scanner function if the user authentication management function is used to restrict the use of functions.

About the fax function

- The name set in [First Name] in [Program Fax Information] on the [Initial Settings] tab in [Fax Features] is printed as the name of the sender. For details about the settings, see the web manual for your machine. If you want to use a name other than that set in [First Name], contact your service representative.
- If unavailable letters are used in the address, the letters are ignored when sending a fax.
- The line type for fax transmission is set to external line (default). If you want to use an extension line for fax transmissions, contact your service representative.
- You can check transmission results in the Record.
- You cannot check the contents of documents sent with the fax function of AirPrint from the machine.
- If you are using OS X 10.8, a cover sheet will not be sent even if it is configured.
- You cannot use the fax function in the following conditions:
 - When the use of functions is restricted by the user authentication management function
 - When the fax function is restricted by an external charge unit

- When [Restrict Adding of User Destinations (Fax)] in [Extended Security] in "Security" is set to [On] on Web Image Monitor
- When the optional fax unit is not installed
- If the country code is set to Korea and a sender's name is not registered on the machine
- When the fax is being used on the machine
- When the hard disk on the machine has insufficient storage

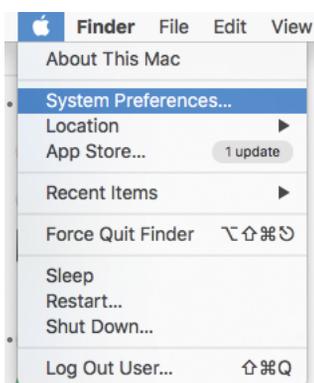
Using AirPrint From OS X or macOS

This section describes how to use the print, fax, and scan functions of printers and multi-function printers from OS X and macOS. OS X 10.11 is used for example in this manual.

Connecting the Machine to OS X or macOS

Use the following procedure to connect the machine to OS X or macOS using AirPrint.

1. Click [System Preferences...] under the Apple menu.



2. Click [Printers & Scanners].
3. Click [+].
4. Select the machine you are using from the list in [Name].
5. Select [Secure AirPrint] or [AirPrint] from [Use].

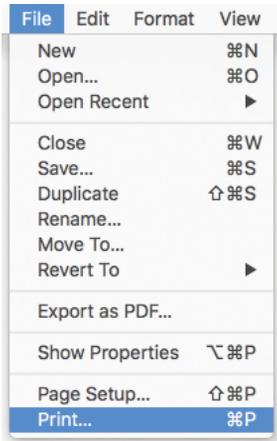
Devices that are not compatible with AirPrint are also displayed because devices are discovered by using the Bonjour protocol.

6. Click [Add].

When the selected machine is displayed on the screen in Step 3, the connection is complete.

Printing Documents Using OS X or macOS

1. Click [Print...] in the [File] menu of the application.

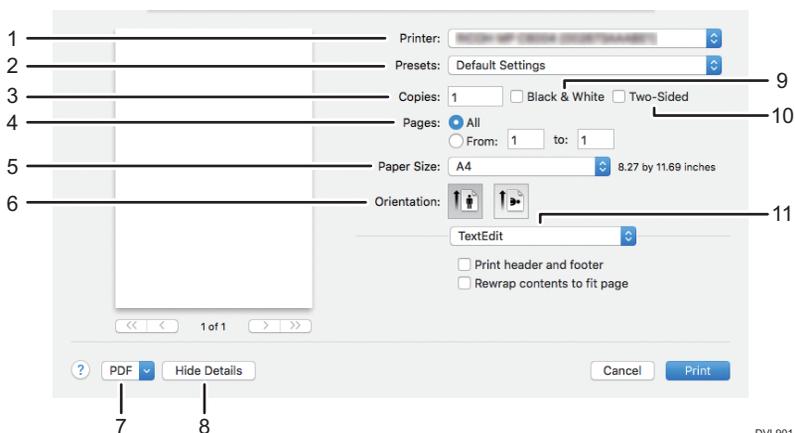


2. Select the machine to use for printing from [Printer].
3. Change the print settings as necessary, and then click [Print].

You can change the print settings by clicking [Show Details]. For details, see page 9 "Changing print settings when using OS X or macOS".

Changing print settings when using OS X or macOS

You can change the print settings from OS X and macOS. Setting items may differ depending on the application you are using, the specifications of the connected machine, and the configuration of options.



DVL901

1. Printer

Select the machine to use for printing.

2. Presets

You can save the displayed settings or recall stored settings.

3. Copies

Specify the quantity to print.

4. Pages

Specify the range of pages to print.

5. Paper Size

Specify the size of the paper. You can also specify custom sizes here.

6. Orientation

Select the orientation of the paper.

7. PDF

Displays the workflow menu for PDF.

8. Hide Details

Hides the print settings.

9. Black & White

Select this item to print in black and white.

10. Two-Sided

You can print on both sides of the paper when this item is checked.

11. Print option menu

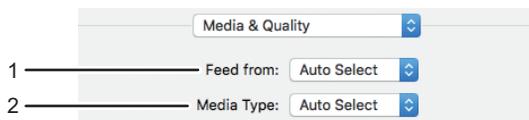
Displays the menu according to the specifications of the connected machine and the configuration of options. For details, see page 10 "Print option menu".

Print option menu

Setting items may differ depending on specifications of the connected device or optional configurations.

[Media & Quality]

Select the paper tray and the paper type you want to use.



DVL902

1. Feed from

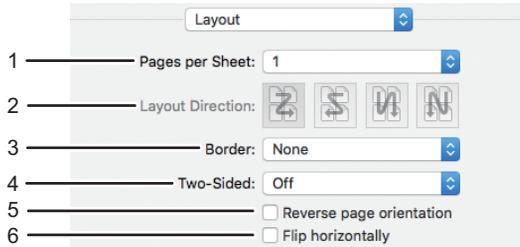
Select the paper tray.

2. Media Type

Select the type of paper.

[Layout]

Configure settings for two-sided printing or to combine multiple pages on one sheet.



DVL903

1. Pages per Sheet

Specify the number of pages to combine on one side of the paper.

2. Layout Direction

Specify how to arrange the pages.

3. Border

Specify the width and number of the borders between combined pages.

4. Two-Sided

Specify the print format for two sided printing.

5. Reverse page orientation

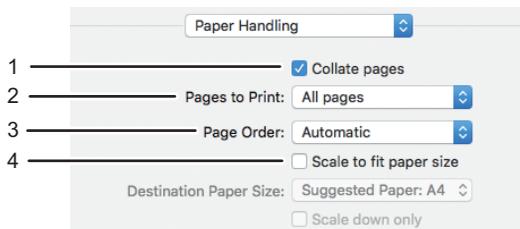
Reverse the orientation of the output paper.

6. Flip horizontally

Print by flipping the entire image on the page left to right.

[Paper Handling]

Specify the order of the pages to be printed, or print only the odd or even pages.



DVL904

1. Collate pages

When printing two or more sets, print them by sorting them in sets. (Sort printing)

2. Pages to Print

Specify to print all pages or only the odd or even pages.

3. Page Order

Specify the order of the pages to print.

4. Scale to fit paper size

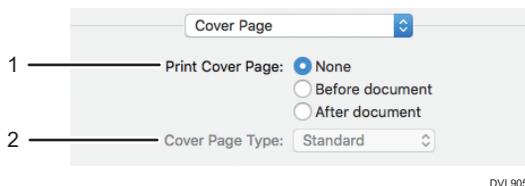
Select this item to reduce or enlarge printouts to fit the paper. If you select this item, you can select the paper size in [Destination Paper Size].

Reduce or enlarge printouts to fit the selected paper size.

When printing on paper larger than the print data without enlarging it, select [Scale down only].

[Cover Page]

Configure settings for inserting a cover page (banner page).



1. Print Cover Page

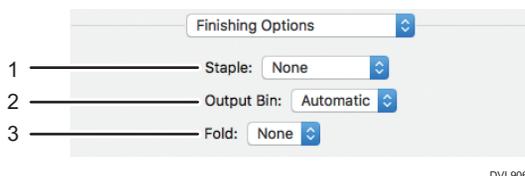
Specify whether or not to insert a cover page and where to insert it.

2. Cover Page Type

Select the type of cover page to insert.

[Finishing Options]

Configure settings for stapling, the output tray, and folding.



1. Staple

Specify the position of stapling.

2. Output Bin

Select the output tray.

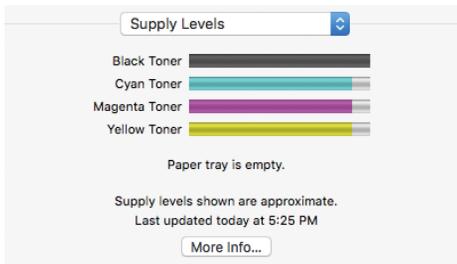
3. Fold

Specify how to fold.

[Supply Levels]

You can check the remaining amount of consumables, such as toner and paper.

When you click [More Info...], Web Image Monitor starts and you can check more detailed information.

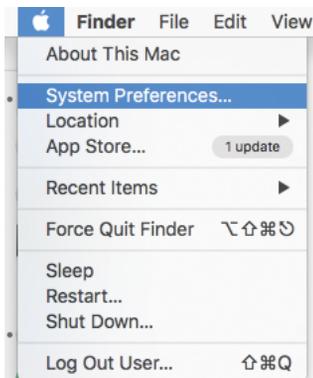


Scanning Documents Using OS X or macOS

1. Place originals in the Auto Document Feeder (ADF) or on the exposure glass.

For details about placing originals, see the web manual for your machine.

2. Click [System Preferences...] under the Apple menu.



3. Click [Printers & Scanners].
4. Select the device to use for scanning from the list of [Printers].
5. Click [Scan].
6. Click [Open Scanner...]
7. Change the scan settings as necessary and click [Scan].

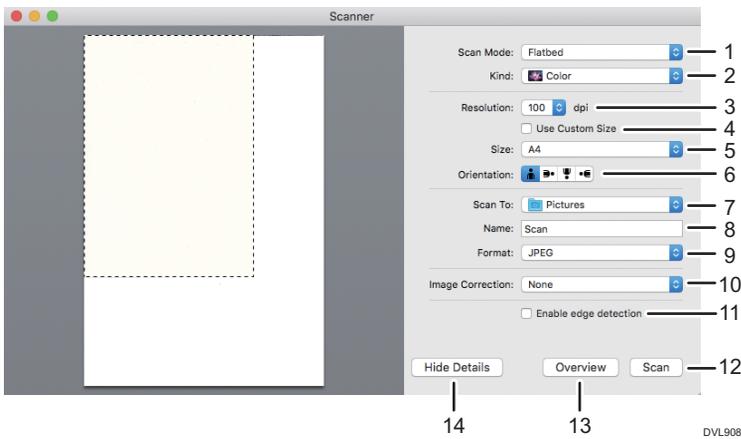
Select [Use Document Feeder] when using the ADF.

You can change the scan settings by clicking [Show Details]. For Details, see page 13 "Changing scan settings".

When the scanned original is displayed on the [Scan] screen, scanning is complete.

Changing scan settings

You can change the scan settings from OS X and macOS. Setting items may differ depending on the application you are using, the specifications of the connected machine, and the configuration of options.



1. Scan Mode

Select whether to scan from the ADF or the exposure glass.

2. Kind

Select the type of original.

3. Resolution

Specify the resolution for scanning the original.

4. Use Custom Size

You can specify the scanning range as a value when this item is selected.

5. Size

Select the size of the original to scan.

6. Orientation

Select the orientation of scanned data.

7. Scan To

Specify the place to save scanned data.

8. Name

Specify the name for scanned data.

9. Format

Specify the file format for scanned data.

10. Image Correction

Specify the correction method for scanned data.

11. Enable edge detection

Use the function of the operating system to detect the outline of images and to specify the trimming range.

12. Scan

Execute scanning.

13. Overview

Display the scanned image of the original.

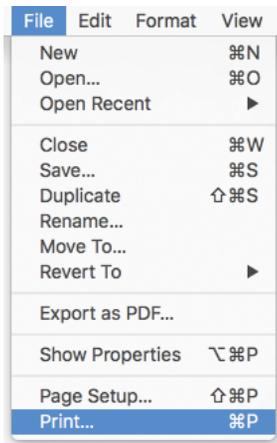
14. Hide Details

Hides the scan settings.

1

Sending Faxes Using OS X or macOS

1. Click [Print...] under the [File] menu of the application.



2. Select the device to use for sending fax from [Printer].

The machines that can be used to send faxes have "- Fax" at the end of their names.

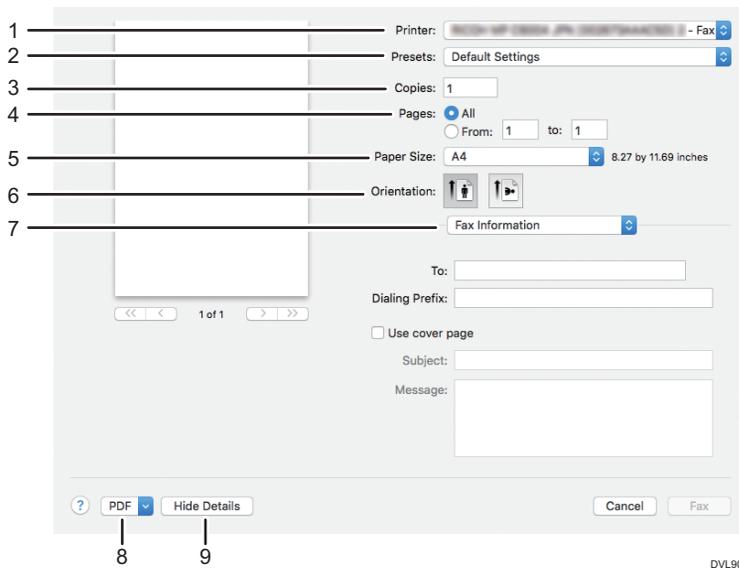
3. Enter a fax number in [Address].

4. Change the fax transmission settings as necessary and click [Fax].

For details about fax transmission settings, see page 15 "Changing fax transmission settings".

Changing fax transmission settings

You can change the fax transmission settings from OS X and macOS. Setting items may differ depending on the application you are using, the specifications of the connected machine, and the configuration of options.



1. Printer

Select the machine to use for sending fax.

2. Presets

You can save the displayed settings or recall stored settings.

3. Copies

Specify the quantity to send fax.

4. Pages

Specify the range of pages of faxes to send.

5. Paper size

Specify the size of the paper.

6. Orientation

Select the orientation of the fax.

7. Fax transmission option menu

Displays the menus according to the specifications of the connected machine and the configuration of options. For details, see page 16 "Fax transmission option menu".

8. PDF

Displays the workflow menu for PDF.

9. Hide Details

Hides the fax transmission settings.

Fax transmission option menu

Setting items may differ depending on specifications of the connected device or optional configurations.

[Fax Information]

Enter information necessary for sending faxes.

1. To

Enter the fax number of the destination.

2. Dialing Prefix

Enter the phone number necessary to call an external line from the phone being used.

3. Use cover page

Select this item when sending a cover page as the first page of the fax. Enter the contents of the cover page in [Subject] and [Message].

[Preview]

This setting is not active even if it is configured.

[Layout]

Configure settings to combine multiple pages on one sheet.

1. Pages per Sheet

Specify the number of pages to combine in one side of the paper.

2. Layout Direction

Specify how to arrange the pages.

3. Border

Specify the width and number of the borders between combined pages.

4. Reverse page orientation

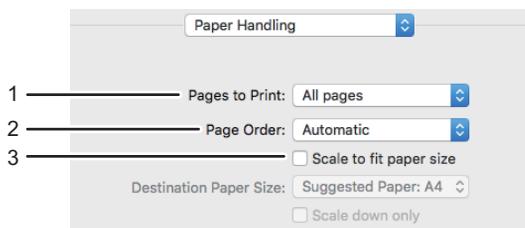
Reverse the orientation of the fax to be sent.

5. Flip horizontally

Print by flipping the entire image on the page left to right.

[Paper Handling]

Specify the order of the pages to be sent, or send only the odd or even pages.



DVL912

1. Pages to Print

Specify to send all pages or only the odd or even pages.

2. Page Order

Specify the order of the pages to be sent.

3. Scale to fit paper size

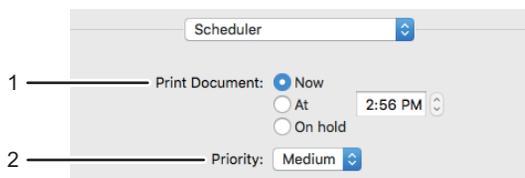
Select this item to reduce or enlarge the size of faxes. If you select this item, you can select the paper size in [Destination Paper Size].

Reduce or enlarge the size of faxes when sending to fit the selected paper size.

When sending on paper larger than the fax data without enlarging, check [Scale down only].

[Scheduler]

Configure a schedule for sending faxes.



DVL913

1. Print Document

Select [Now] to send the fax immediately.

Select [At] and specify the time to send the fax.

Select [On hold] to store the fax job in the print queue. You can send the fax later.

2. Priority

Select the priority level for sending the fax.

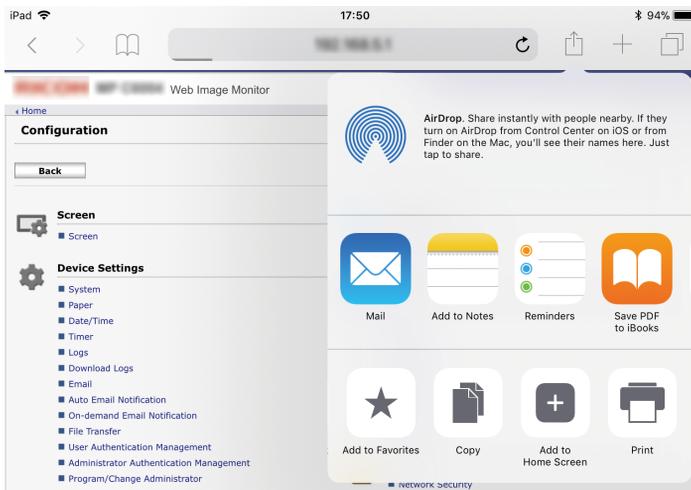
Using AirPrint From iOS

This section describes how to use the print function of printers and multi-function printers from iOS.

1

Printing Documents Using iOS

1. Tap the share icon (📄) on the application displaying data to print.
2. Tap [Print].



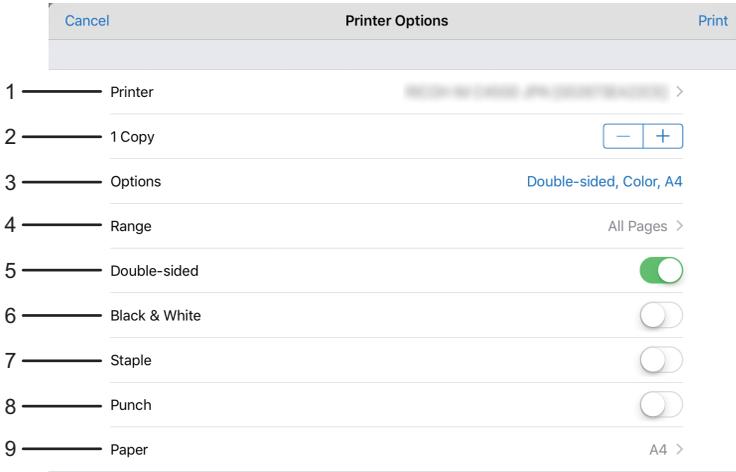
If [Print] is not displayed, flick the bottom area to the left.

3. Tap [Select Printer].
4. Tap the name of the device to use.
5. Tap [Option].
6. Change the print settings as necessary and tap [Print].

You can change the print settings by tapping [Options]. For details, see page 19 "Changing print settings when using iOS".

Changing print settings when using iOS

You can change print settings from iOS. Setting items may differ depending on specifications of the connected device or optional configurations.



DVL907

1. Printer

Select the device to use for printing.

2. Quantity

Specify the quantity to print.

3. Options

Show or hide the print settings.

4. Range

Specify the pages to print.

5. Double-sided

Configure setting for duplex printing.

6. Black & White

Select whether to print in black and white or color.

7. Staple

Configure setting for stapling.

8. Punch

Configure setting for punching.

9. Paper

Select the size of the paper.

2. Trademarks

This section describes about trademarks.

Trademarks

Apple, Bonjour, Macintosh, OS X, macOS and Safari are trademarks of Apple Inc., registered in the U.S. and other countries.



AirPrint and AirPrint logo are trademarks of Apple Inc.

MEMO

MEMO

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