

MULTIFUNCTIONAL DIGITAL COLOR SYSTEMS /  
MULTIFUNCTIONAL DIGITAL SYSTEMS

# Operator's Manual for AirPrint

---



# Preface

---

Thank you for purchasing TOSHIBA Multifunctional Digital Systems. This guide describes instructions on how to print with the AirPrint function. Read this manual before using this function. Keep this manual within easy reach, and use it to configure an environment that makes best use of the e-STUDIO's functions.

## ■ How to read this manual

### □ Symbols in this manual

In this manual, some important items are described with the symbols shown below. Be sure to read these items before using this equipment.

 **WARNING** Indicates a potentially hazardous situation which, if not avoided, could result in death, serious injury, serious damage, or fire in the equipment or surrounding assets.

 **CAUTION** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury, partial damage to the equipment or surrounding assets, or loss of data.

 **Note** Indicates information to which you should pay attention when operating the equipment.

Other than the above, this manual also describes information that may be useful for the operation of this equipment with the following signage:

 **Tip** Describes handy information that is useful to know when operating the equipment.

 Pages describing items related to what you are currently doing. See these pages as required.

### □ Screens and Operation Procedures

In this manual, the screens and the operation procedures in Macintosh are described for Mac OS X 10.8.x. The details on the screens may differ depending on how the equipment is used, such as the status of the installed options, the OS version and the applications.

### □ Trademarks

- The official name of Windows XP is Microsoft Windows XP Operating System.
- The official name of Windows Vista is Microsoft Windows Vista Operating System.
- The official name of Windows 7 is Microsoft Windows 7 Operating System.
- The official name of Windows 8 is Microsoft Windows 8 Operating System.
- The official name of Windows Server 2003 is Microsoft Windows Server 2003 Operating System.
- The official name of Windows Server 2008 is Microsoft Windows Server 2008 Operating System.
- The official name of Windows Server 2012 is Microsoft Windows Server 2012 Operating System.
- Microsoft, Windows, Windows NT, and the brand names and product names of other Microsoft products are trademarks of Microsoft Corporation in the US and other countries.
- Macintosh, Mac OS, Safari, iPhone, iPad and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.
- AirPrint and the AirPrint logo are trademarks of Apple Inc.
- IOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.
- Adobe, Acrobat, Reader, and PostScript are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.
- Mozilla, Firefox and Firefox logo are trademarks or registered trademarks of Mozilla Foundation in the U.S. and other countries.
- IBM, AT and AIX are trademarks of International Business Machines Corporation.
- NOVELL, NetWare, and NDS are trademarks of Novell, Inc.
- TopAccess is a trademark of Toshiba Tec Corporation.
- Other company and product names given in this manual or displayed in this software may be the trademarks of their respective companies.



# PRINTING WITH AirPrint FUNCTION

This chapter provides instructions on how to print with the AirPrint function.

<b>Before Using the AirPrint Function .....</b>	<b>4</b>
Considerations and limitations.....	4
<b>Printing from Macintosh .....</b>	<b>5</b>
How to set up .....	5
How to perform basic printing.....	7
Changing print options .....	8
<b>Printing from iOS Devices .....</b>	<b>13</b>
How to perform basic printing.....	13
Changing print options .....	15
<b>Setting up AirPrint in TopAccess .....</b>	<b>16</b>
Enable / Disable of AirPrint .....	16
Recovery setting from Super Sleep mode.....	16

## Before Using the AirPrint Function

---

AirPrint refers to a function to print data from a Macintosh computer or a device which runs iOS through a multifunctional digital system that exists under the same subnetwork as that for such a computer or device. You do not need to install a printer driver in this computer or device in advance.

### Note

The AirPrint function is enabled only when computers or devices in which the operating systems below are installed are used.

- Mac OS X 10.7 or later (for Macintosh computers)
- iOS 4.2 or later (for iPad, iPhone in 3GS or later or iPod touch in 3rd generation or later)

## ■ Considerations and limitations

- If you want to use the Wireless LAN Module (optional), be sure to complete the wireless LAN setting in advance. For more information about wireless LAN setting, refer to the **Operator's Manual for Wireless LAN Module**.
- Make sure that [Enable] is set for the following settings on the TopAccess menu.
  - [Enable Bonjour]
  - [Enable IPP]
  - [Enable AirPrint]

For more information about [Enable Bonjour] and [Enable IPP], refer to the **TopAccess Guide**. For [Enable AirPrint], refer to the following page in this guide:  
 P.16 "Enable / Disable of AirPrint"
- If you want to use the AirPrint function through equipment in which the Super Sleep function has been enabled, select the [Bonjour] and [AirPrint Discovery] check boxes in [Wake Up Setting] under [Network] of [ADMIN] from TopAccess. For more information about [Bonjour], refer to the **TopAccess Guide**. For [AirPrint Discovery], refer to the following page in this guide:  
 P.16 "Recovery setting from Super Sleep mode"
- In this equipment, the AirPrint function is supported only for the Infrastructure mode, not for the Ad hoc mode.
- The AirPrint function cannot be used in equipment in which the user authentication function has been enabled. For more information about the user authentication function, refer to the **TopAccess Guide**.
- The AirPrint function is not enabled in the High Security mode. For more information about the High Security mode, refer to the **High Security Mode Management Guide**.
- Some black and white data may be handled as color data depending on the specifications of the printing applications you use.
- The encrypted PDF files cannot be printed from a device with iOS installed.
- It may take longer for printing with the AirPrint function from a model below than printing with a printer driver from a computer.
  - e-STUDIO2051C/2551C

# Printing from Macintosh

## ■ How to set up

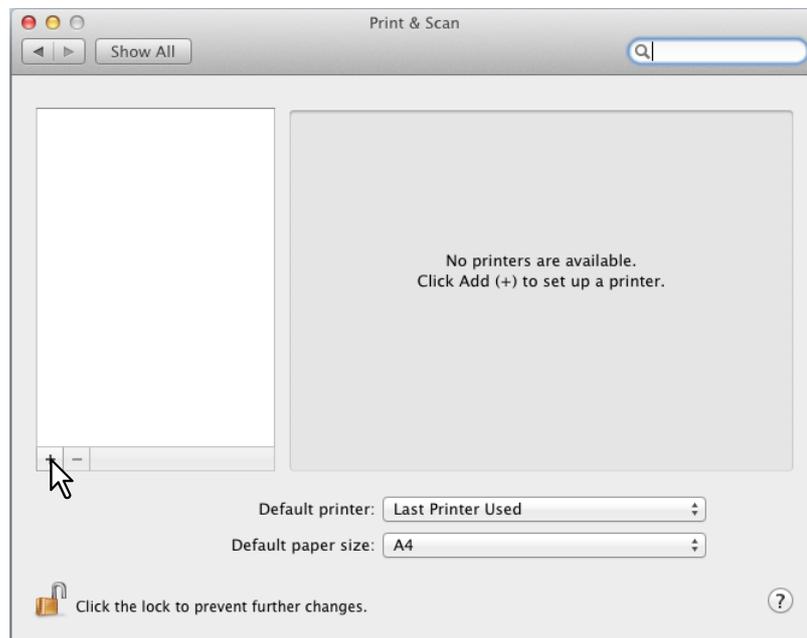
Perform the setup on the System Preferences menu.

- 1 Click [System Preferences] to start it up and then click [Print & Scan].



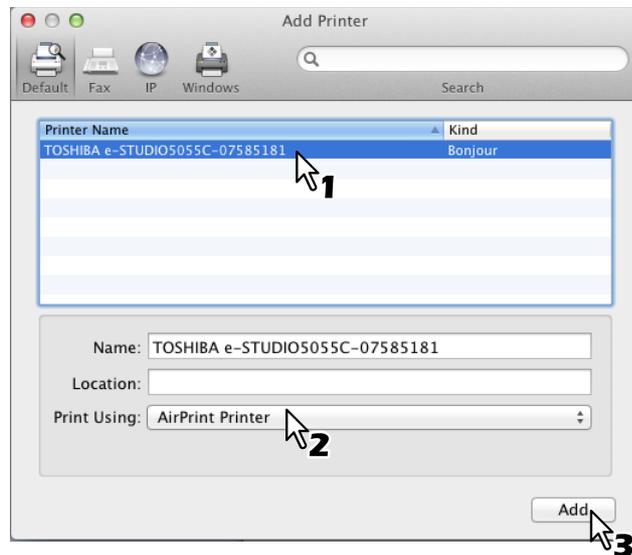
The [Print & Scan] dialog box appears.

- 2 Click [+].

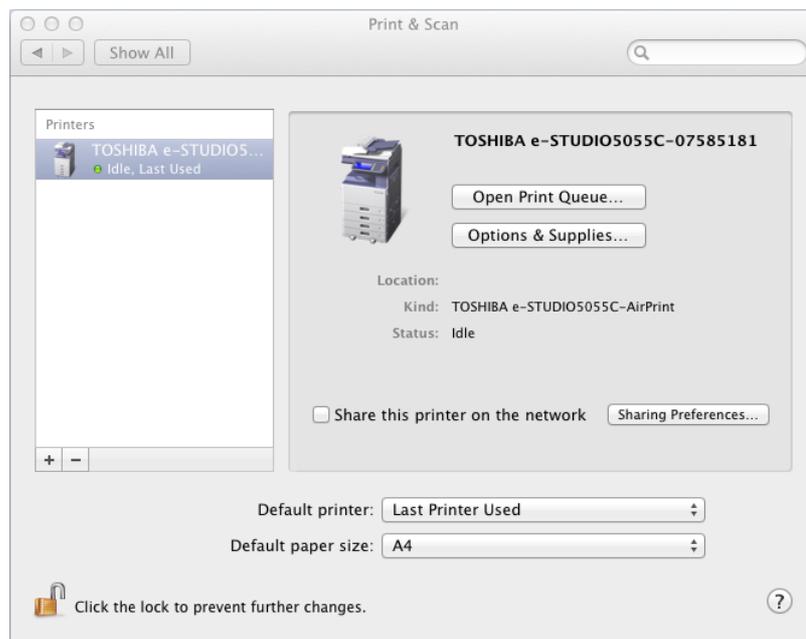


The [Add Printer] dialog box appears.

- 3** Select a multifunctional digital system that supports the AirPrint function from the [Printer Name] list. Then select [AirPrint Printer] from the [Print Using] box and then click [Add].



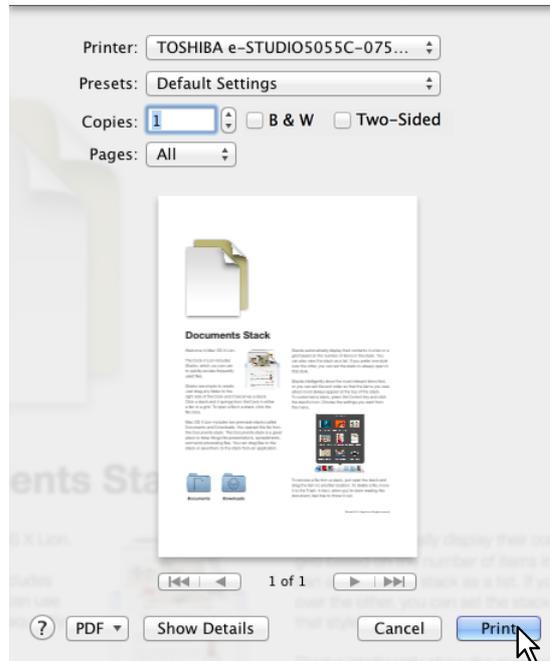
The setup starts. The menu below appears when the setup is finished.



The setup is finished. Quit the [Print & Scan] menu.

## ■ How to perform basic printing

- 1 Select [Print] from the [File] menu of the application.**  
The [Print] dialog box appears.
- 2 Change any print options as required and click [Print].**



For detailed instructions on the setting contents, see the following page:  
 P.8 “Changing print options”

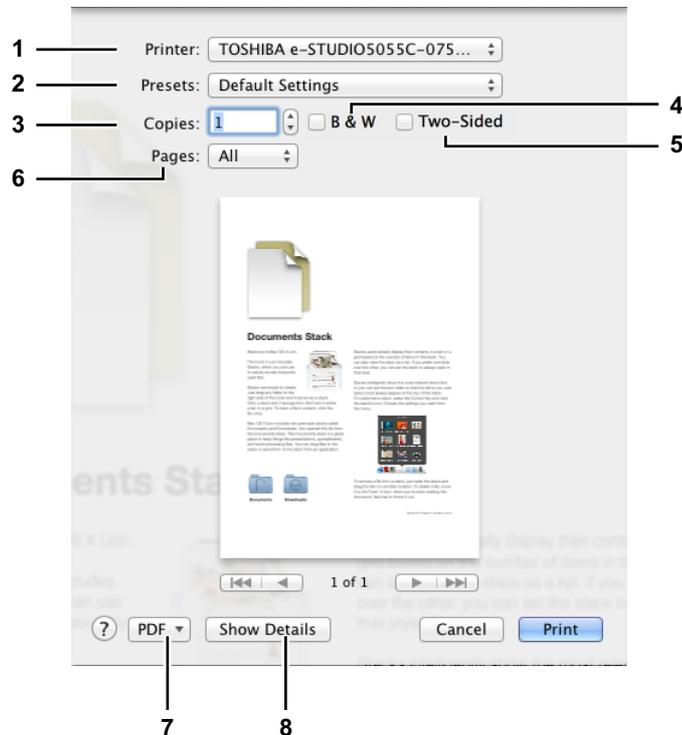
### Note

The display of the [Print] dialog box varies depending on the applications.

## ■ Changing print options

In addition to basic settings such as the number of copies or the range of printing, you can set the various options that this equipment provides.

### □ Basic setting menu



- 1) **Printer**  
This selects the printer to be used for printing.
- 2) **Presets**  
This stores the contents set in the [Print] dialog box and recalls the stored contents.
- 3) **Copies**  
This sets the number of printed copies.
- 4) **B & W**  
Select this check box to print in the Black and White mode, regardless of the colors of a document.
- 5) **Two-Sided**  
This sets whether or not you want to print on both sides of the paper.

#### Note

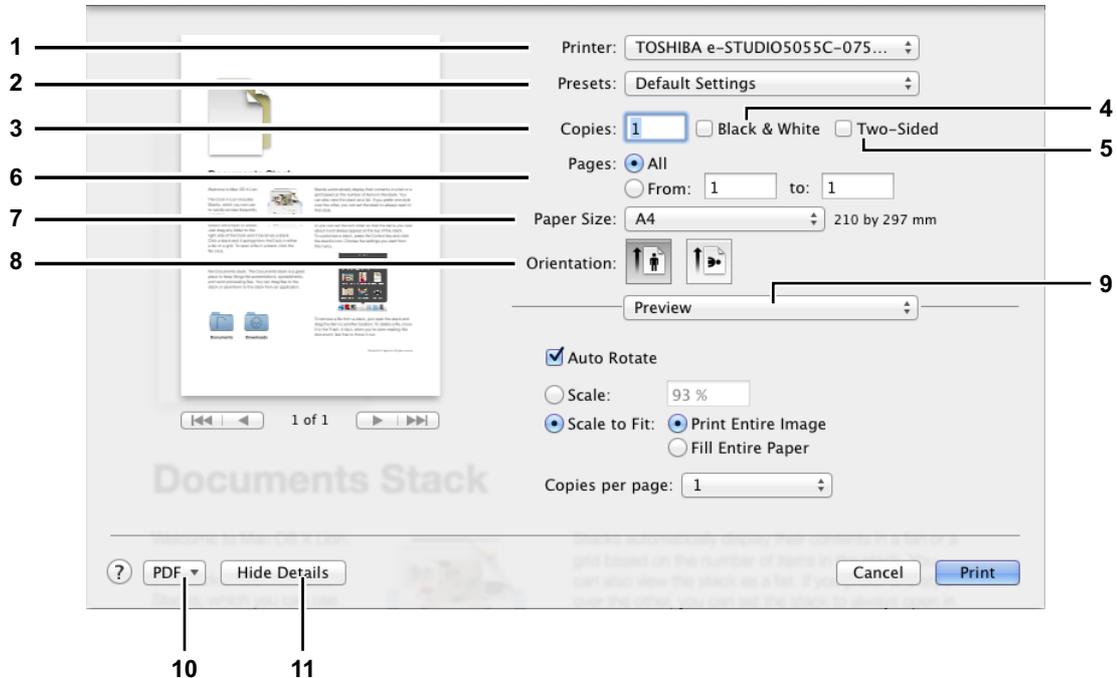
This function is available only when the Automatic Duplexing Unit is installed in the equipment.

- 6) **Pages**  
This sets the range of pages to be printed. To print only a part of a document, key in the numbers of the first and the last pages.
- 7) **PDF**  
This displays the PDF work flow menus.
- 8) **Show Details**  
This switches the basic setting menu to the detail setting menu.  
 ⓘ P.9 "Detail setting menu"

## □ Detail setting menu

### Tip

The items displayed in this menu may slightly differ depending on the applications to be used.



### 1) Printer

This selects the printer to be used for printing.

### 2) Presets

This stores the contents set in the [Print] dialog box and recalls the stored contents.

### 3) Copies

This sets the number of printed copies.

### 4) Black & White

Select this check box to print in the Black and White mode, regardless of the colors of a document.

### 5) Two-Sided

This sets whether or not you want to print on both sides of the paper.

### Note

This function is available only when the Automatic Duplexing Unit is installed in the equipment.

### 6) Pages

This sets the range of pages to be printed. To print only a part of a document, key in the numbers of the first and the last pages.

### 7) Paper Size

This selects the size of the document to be printed.

### 8) Orientation

This sets the paper printing direction.

### 9) Print option menu

Check boxes for additional print options are displayed. You can set application-specific print options or the detailed print options of this equipment by switching menus.

### 10) PDF

This displays the work flow menus of PDF.

### 11) Hide Details

This switches the detail setting menu to the basic setting menu.

## [Media & Quality] menu

You can select the paper feeding source or the media type.



### 1) Feed from

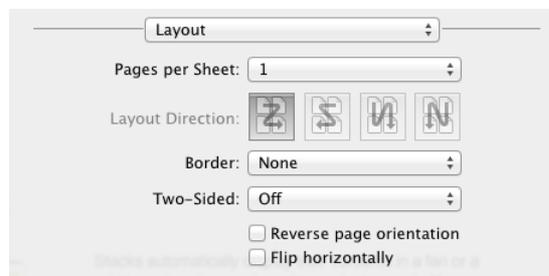
This selects the paper source.

### 2) Paper Type

This selects the media type of the paper.

## [Layout] menu

You can set the layout of the printed pages on one sheet (N-up setting).



### 1) Pages per Sheet

This sets the number of multiple pages printed on one sheet.

### 2) Layout Direction

This sets how pages are arranged on one sheet.

### 3) Border

This sets the number and the thickness of the border lines.

### 4) Two-Sided

This sets whether or not you want to print on both sides of the paper.

#### Note

This function is available only when the Automatic Duplexing Unit is installed in the equipment.

### 5) Reverse page orientation

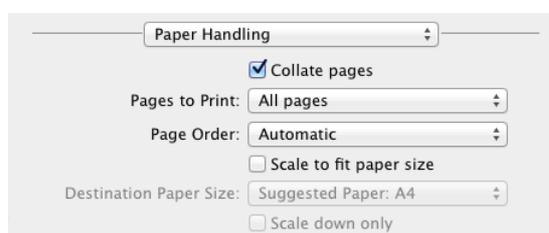
This turns the paper exit orientation to the reverse one.

### 6) Flip horizontally

This sets the mirror printing of a page.

## [Paper Handling] menu

You can set paper handling methods such as reversing the printing order or printing only odd or even pages.



**1) Collate pages**

Select this check box to collate the printed documents for each copy when more than one copy is printed (sort-printing).

**2) Pages to Print**

This selects whether all pages are printed, or only odd or even pages are printed.

**3) Page Order**

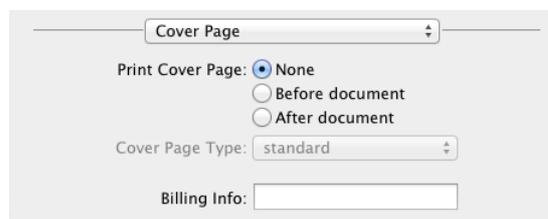
This sets the page order for printing.

**4) Scale to fit paper size**

Select this check box to perform enlarge/reduce printing. When this is selected, document images are enlarged or reduced to fit in the selected paper size. If you do not want to enlarge the document images but want to print them on paper larger than the document size, select the [Scale down only] check box.

**[Cover Page] menu**

You can perform settings for cover (banner) pages.

**1) Print Cover Page**

This sets whether or not a cover page is inserted and the insertion point, if it is set to be inserted.

**2) Cover Page Type**

This sets the type of the cover page.

**3) Billing info**

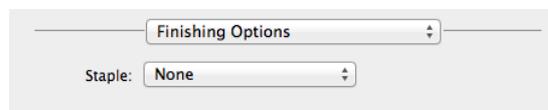
Enter the billing information to have it appear on the cover page.

**Note**

Due to the restriction of Mac OS, the entered letters that go over the set field of this box are not displayed.

**[Finishing Options] menu**

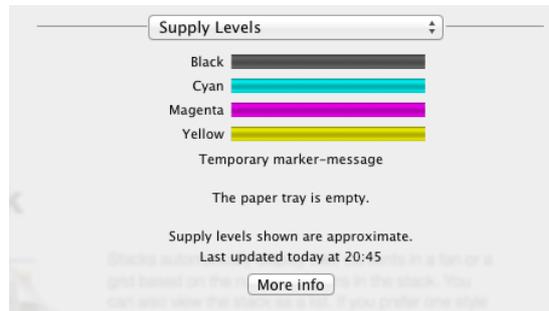
You can make stapling settings.

**1) Staple**

This sets the stapling method.

## [Supply Levels] menu

You can check the remaining toner and paper levels.



# Printing from iOS Devices

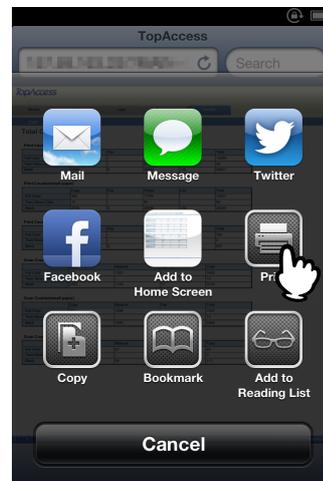
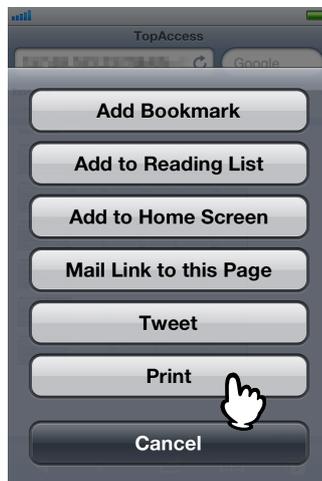
This chapter provides instructions on how to print from iPhone as an example. Note that the display differs depending on the devices.

## How to perform basic printing

1 Tap the action icon (  ).



2 Tap [Print].  
 Left: iOS4 and iOS5  
 Right: iOS6



### 3 Tap [Select Printer].



AirPrint-compatible printers are listed up.

### 4 Tap the displayed name of this equipment.



### 5 Change any print options as required and tap [Print].



For detailed instructions on the setting contents, see the following page:  
 P.15 "Changing print options"

Printing starts.

---

## ■ Changing print options

You can set the print options below.

### Notes

- Some print options cannot be changed depending on the applications used or the data type of the document.
- Whether a document is printed in the Full Color mode or the Gray Scale mode depends on the applications used or the data type of the document.

- **Printer**

This selects the printer to be used for printing.

- **Copy**

This sets the number of printed copies.

- **Double-sided**

This sets whether or not you want to print on both sides of the paper.

### Note

Due to the restriction of Mac OS, the entered letters that go over the set field of this box are not displayed.

- **Pages**

This sets the range of pages to be printed. This can be set only when the document is a PDF file.

- **Paper Size**

This selects the size of paper. This can be set only when the document consists of image data such as a photo.

## Setting up AirPrint in TopAccess

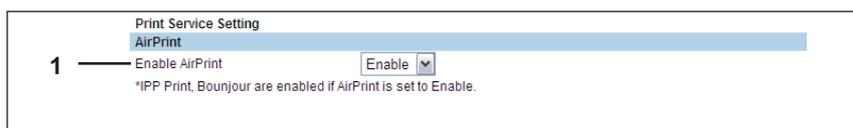
TopAccess allows you to configure the AirPrint service. Make the settings as necessary.

### Tips

- In this equipment, no setting needs to be changed to use the AirPrint service because it is set to [Enable] as the factory default.
- If you want to change the AirPrint service setting, you need to log into TopAccess as the Administrator. For the operating instructions of TopAccess, refer to the **TopAccess Guide**.

### ■ Enable / Disable of AirPrint

The AirPrint service can be set to either [Enable] or [Disable] using TopAccess.  
 [Administration] Tab - [Setup] menu - [Print Service settings] submenu - [Enable AirPrint]



	Item name	Description
1	Enable AirPrint	Select [Enable] or [Disable] for the AirPrint service. [Enable] is set as the default.
	<b>Notes</b> <ul style="list-style-type: none"> <li>• This function is disabled if user authentication is enabled.</li> <li>• If this setting is set to [Enable], Bonjour and IPP settings will also be enabled.</li> </ul>	

### ■ Recovery setting from Super Sleep mode

You can recover this equipment from the Super Sleep mode when using the AirPrint service.  
 Choose [Administration] Tab - [Setup] menu - [Network settings] submenu - [Setting up Wake Up], and select the [AirPrint Discovery] checkbox.

### Tip

The [AirPrint Discovery] checkbox has been selected at the factory shipment.



**MULTIFUNCTIONAL DIGITAL SYSTEMS**  
**Operator's Manual for AirPrint**

**TOSHIBA TEC CORPORATION**

1-11-1, OSAKI, SHINAGAWA-KU, TOKYO, 141-8562, JAPAN

