



KONICA MINOLTA

Giving Shape to Ideas

Job Shops

bizhub MFP Mobility



KONICA MINOLTA

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The information and procedures contained in this document are to be used as a guide for setting up the mobile printing method desired.

Procedures may vary slightly from one series to the next or within a series as firmware is upgraded or new features and functions become available.

Procedures will also vary as mobile devices (phones, tablets), Operating Systems (iOS, Android, etc.) and Apps (PageScope Mobile, Mopria Print Service, NFC Tag Writer, etc.) are updated.

Please check bizhub MFP and bizhub Printer User Manuals for updated information. The Mobility Solutions Guide and Mobility PowerPoint are also available to you for supplemental information. All documentation is posted on mykonicaminolta.com.

A reminder that the SSD Hotline is available to assist authorized Service Personnel with Mobile Printing Applications.

ACCESS POINT

An access point is a device that enables wireless devices to connect to a wired network using Wi-Fi. In wireless local area network environments, the access point is the station that transmits and receives data. This guide provides information on how the bizhub MFP/Printer can be enabled to function as the access point— the bizhub MFP/Printer is the station that transmits and receives data.

Please note that not all bizhub devices can be configured to act as an Access Point. Please check device specifications for more information.

AirPrint

A mobile print technology developed by Apple and incorporated in the Apple iOS since the release of iOS v4.2. It provides iOS users with a standard means of printing in iOS and Mac OS X environments via a wireless LAN (Wi-Fi) environment.

BLUETOOTH LOW ENERGY (BLE)

Bluetooth Low Energy, also referred to as BLE, is a wireless technology based on an industry-standard wireless protocol. BLE offers users another means of easily discovering, pairing and connecting to and communicating with Konica Minolta MFPs using their iOS mobile devices and PageScope Mobile iOS. Please note that BLE is not supported by PageScope Mobile Android.

GOOGLE CLOUD PRINT

A service provided by Google that allows users to print to a printer registered in their Google account using a network-compatible device (mobile phone or computer). Google Cloud Print **requires** a Google user account to access and print to private or shared printers. Shared printers are designated by an Account Administrator such as a School IT Administrator who sets up printers to be shared among students. This is only necessary in environments where management or the administration wants to restrict access to all or certain printers.

With Google Cloud Print there is no need to install print drivers. Therefore, customers with bizhub MFPs can print from smartphones, tablets and PCs without using a print driver. Users can print to their printer(s) via Google Cloud Print from any device just by logging in to their Google account.

- Files on devices such as PCs, smartphones, and tablets can be output using Apps (Google Chrome, Gmail, Google Drive) via the Internet. For details, see Google Cloud Print Help (https://support.google.com/cloudprint/answer/2541899?hl=en&ref_topic=4456290).
- If the user has a supported output device and a Google account, output is possible without installing printer drivers.
- Output devices can be shared with permitted users.
- Print jobs and print history can be deleted from the Google Cloud Print management page.

Google Cloud Classic Printer vs. Google Cloud Print Ready

There are two Google Cloud Print Registration Methods:

1. **Classic Printer** The Classic Printer option requires a PC with printer drivers installed. Once the print drivers are installed, the user can login and register the local PC to the Google account. The PC must maintain connection with the cloud at all times to enable access to the printers from other mobile devices, laptop, or Chromebook.

ANDROID



Konica Minolta
Print Service

2. **Google Cloud Print Ready** Google Cloud Ready Printers* connect directly to the internet and can register with Google Cloud Print without a laptop or PC (this still requires Google User Account).

**Please note that Konica Minolta devices can be set up as Google Cloud Print Classic Printers at this time. Google Cloud Print Ready support TBD.*

KONICA MINOLTA PRINT SERVICE

This is a function that allows wireless printing from Android smartphones and tablets to Konica Minolta MFPs. Konica Minolta Print Service can print documents from applications that contain Android print features, to Konica Minolta printers. Wi-Fi (local subnet) Connectivity is required. The application does NOT work as a stand alone app.

MOPRIA ALLIANCE

A non-profit organization dedicated to developing industry-wide mobile printing compatibility.

The Mopria Alliance's goals include the Implementation of proven and recognized technologies in order to be able to offer an industry-wide, common user experience. The established standards focus on four key components:

- Connection
- Print System
- User Experience
- Open Application Programming Interface (API)

To print using the Mopria Print Service, you will need the following

1. Smartphone or table with Android Operation System, version 4.4 (KitKat) or later.
2. Wireless Network (the Android-based mobile device and the Mopria-certified printer must be connected to the same network).
3. The MFP/Printer must be Mopria certified. To determine if the MFP/Printer is Mopria-certified, please check the following site: <http://mopria.org/certified-products>
4. Apps that support Android OS 4.4 (KitKat) printing or later (if the App doesn't display the Print button, it signifies that the app doesn't support the Mopria Print Service)
 - a. Native Android Apps such as Gallery, Chrome, Gmail, Photos, Drive, Docs, etc.
 - b. 3rd Party Apps such as Adobe Reader
 - c. Miscellaneous Google Play Store Apps that support printing

NFC – NEAR FIELD COMMUNICATION

Near Field Communication, more commonly referred to as NFC, is a short-range wireless technology that allows electronic devices to communicate with one another by touching the devices together or by bringing in close proximity of one another. For Konica Minolta, this technology enables mobile devices (smartphones & tablets) and other NFC capable devices (i.e. bizhub MFPs) to establish radio communication between each other by touching them together or bringing them in close proximity of one another. This technology is used for finding and pairing MFPs for quick Wi-Fi printing. Konica Minolta offers two NFC methods for mobile printing:

1: NFC Tag Sticker When a compatible NFC Tag is affixed to a compatible Konica Minolta bizhub, an Android-based mobile device that supports NFC and has installed the PageScope Mobile Android App 4.0 (or higher) is able to communicate with the bizhub device and activates the following:

- Automatic PageScope Mobile App Start Up
- Printer Registration (IP Address registration)

The NFC Tag supports the following functions (NFC Tags can be programmed to perform specific PageScope Mobile printing and scanning functions):

- Print Documents, Photos
- Scan

The NFC Tag Sticker recommended for NFC communications with bizhub devices is the [SmartTrac BullsEye Series NXP NTAG 216](#).

2: NFC Enabled Recent bizhub MFP introductions (i.e. C368 Series and 287 Series) are NFC-enabled. These products offer a built-in mobile touch area to support NFC Communications.

**WI-FI (WIRELESS) MOBILE PRINTING**

Wireless printing enables users to connect multiple devices without the need for any cables or wiring. This method of connectivity enables users to perform their printing tasks quickly and easily. Wi-Fi-enabled printers, like the majority of the Konica Minolta bizhub line up, can connect to a wireless network, making themselves available to other computers and devices such as smartphones and tablets. Wireless printing does require print drivers.

PREREQUISITES/OVERVIEW

- With the exception of a few Compact (A4) MFPs, the current bizhub line up offers built-in Wi-Fi support (please refer to respective model specifications for details).
- bizhub MFP/Printers require latest Firmware level
- The bizhub Large (A3) MFPs must be set to Function Level setting 7 to support mobility functions.
- Optional Wi-Fi Upgrade/Interface Kit (though the bizhub MFPs/printers offer built-in Wi-Fi support, they do require the respective optional wireless interface/upgrade kit to be able to execute wireless mobile printing jobs).

GLOSSARY

WI-FI DIRECT

Wi-Fi Direct devices can connect to each other without having to go through an access point (this doesn't mean that you don't need to use your router). This is because Wi-Fi Direct devices establish their own ad-hoc networks as and when required, letting you see which devices are available and choose which one you want to connect to.

The description for Wi-Fi Direct technology may seem very similar Bluetooth and for good reason. Wi-Fi Direct is comparable to Bluetooth technology with one major exception. Wi-Fi Direct is a lot faster than Bluetooth.

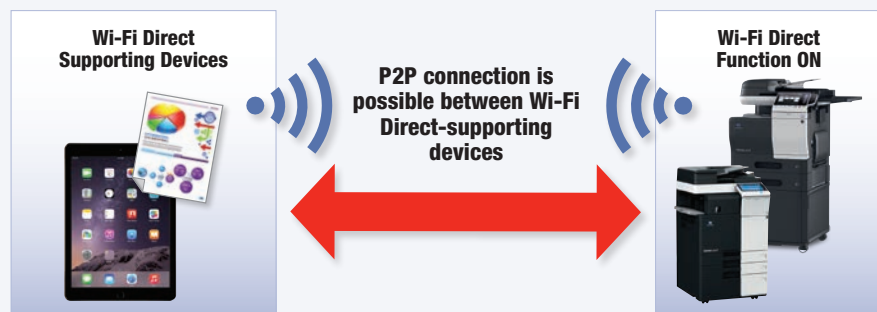
Wi-Fi Direct is an official standard established by the Wi-Fi Alliance, the global industry association in charge of certifying Wi-Fi. With Wi-Fi Direct, the goal is to provide easy connections for easy tasks. For example, if a user wants to print from their laptop or smartphone to a wireless printer they can do so with Wi-Fi Direct. To communicate, the laptop or smartphone have to connect to the printer, but they don't need an internet connection if they have Wi-Fi Direct technology.

Wi-Fi Direct uses Wi-Fi Protected Setup [PDF] and WPA2 to prevent unauthorized connections keeping communications secure. Pairing devices can be done in multiple ways—physically pressing buttons, PIN codes, QR Codes or NFC.

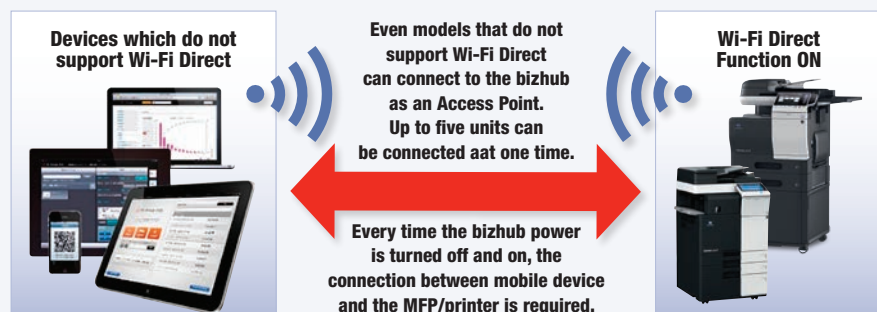
Wi-Fi Direct is available via PageScope Mobile Android.



If the device supports Wi-Fi Direct



If the device does not support Wi-Fi Direct



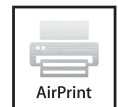
Convenient Way to Register MFP Information



AirPrint

ENABLING AIRPRINT AT THE MFP

AirPrint is a mobile print technology developed by Apple. It enables users to print output without the need to download or install drivers. Users can print photos, documents, Emails and Web Pages (please note that AirPrint also supports native printing from Konica Minolta's FileAssist App).



Among the features and benefits AirPrint offers:

- Automatically detects the MFP or printer
- Automatically selects the media type
- Supports versatile finishing functions

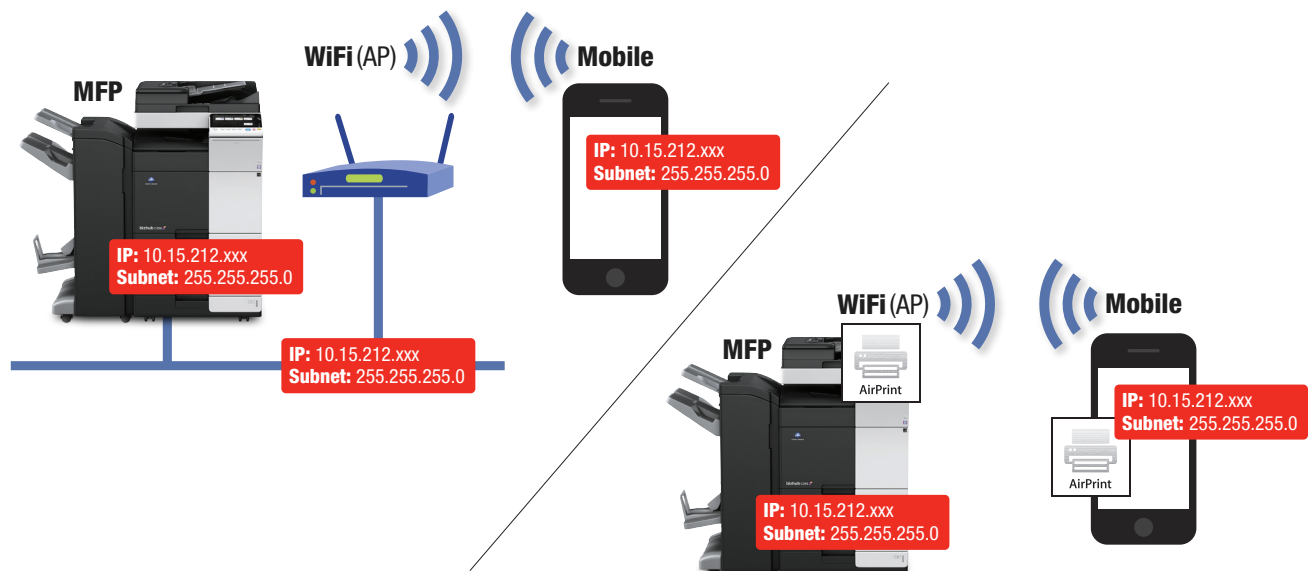
With AirPrint, printing is available via a wireless LAN (Local subnet) directly to an AirPrint compatible printer. Users do not have to worry about installing or setting cables or print drivers.

PREREQUISITES

- bizhub 654e/754e/C654e/C754e with firmware G20-H2 or newer
- bizhub C554e/C454e/C364e/C284e/C224e with firmware G20-J6 or newer
- bizhub 554e/454e/364e/284e/224e with firmware G20-HJ6 or newer
- As new models are released, please check firmware requirements.

AirPrint is automatically enabled once firmware version G20-H2 or higher is installed.

- *A wireless access point is required on the same IP segment. For example, if the MFP IP address 10.15.212.xxx, Subnet 255.255.255.0, the Wireless Router must be on 10.15.212.xxx, Subnet 255.255.255.0. Consult your Network Administrator regarding network settings and Wireless Access Point.*



Please note that not all bizhub MFPs can function as an Access Point. Check engine specifications for details.

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MOBILE DEVICE

iPad iOS 4.2 or higher supports AirPrint

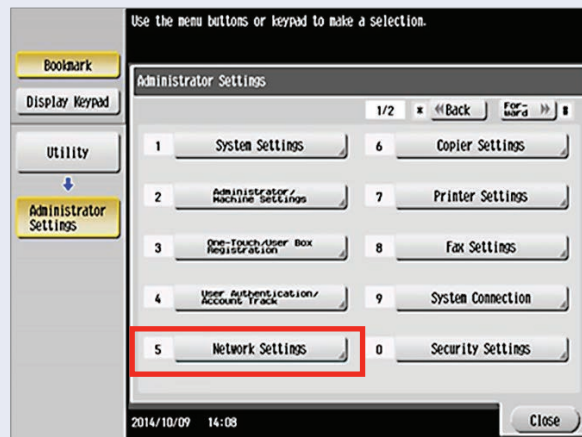
iPhone 3GS or later

iPod touch 3rd generation or later

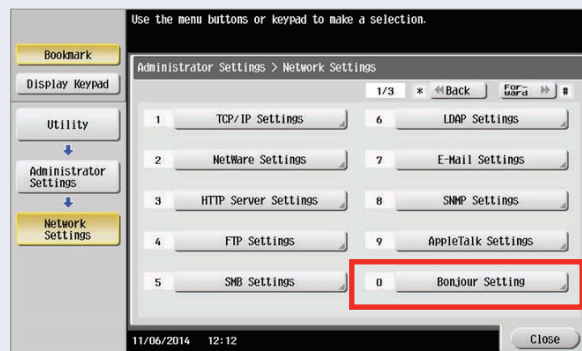
To use the AirPrint function, the iOS device must be connected to the same network as the MFP.

Note: Please refer to documentation specific to each model and consult with Service personnel for the latest information regarding firmware updates and/or specification updates.

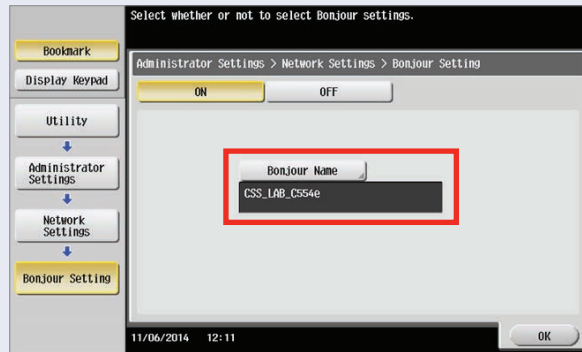
1. Press the **Utility** icon on the LCD Home screen (Press the **Menu** key to set the Home screen if necessary).
2. Touch **#3 Administrator Settings**
3. Enter the **Administrator Password: 1234567812345678**.
4. Press **OK**.
5. Touch **#5 Network Settings tab**



6. Select **Bonjour Setting**

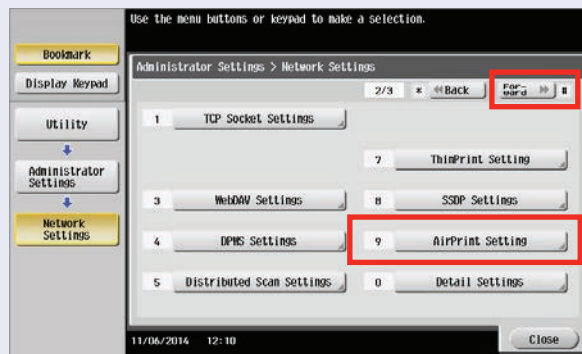


7. Select **ON** to enable Bonjour Setting and enter **Bonjour Name** (or accept Default by selecting **OK**).



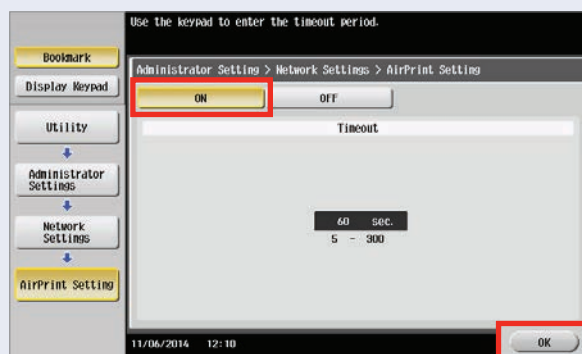
8. Using the right arrow (right-hand corner of the screen) go to page 2 of 3 (2/3).

9. Select **#9 AirPrint Setting**

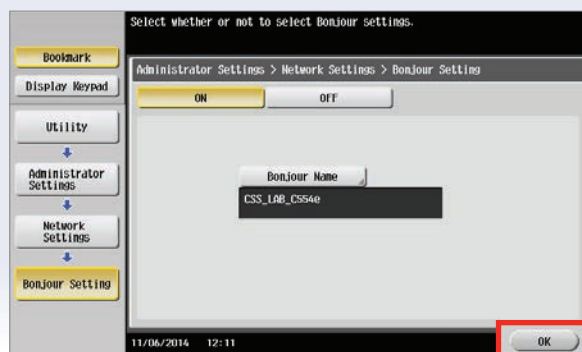


10. Press **ON** and enter **Time Out Period** (5-300 seconds)

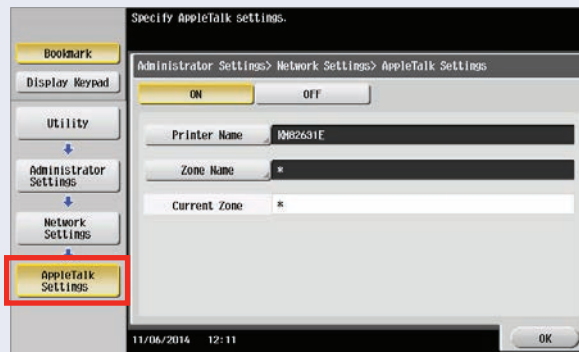
Note: Press Display Key (upper left-hand corner of screen) and enter desired timeout period.



11. Press **OK**
12. Press **OK** and press **Close** to get back to Main Menu



13. Press **AppleTalk Settings**

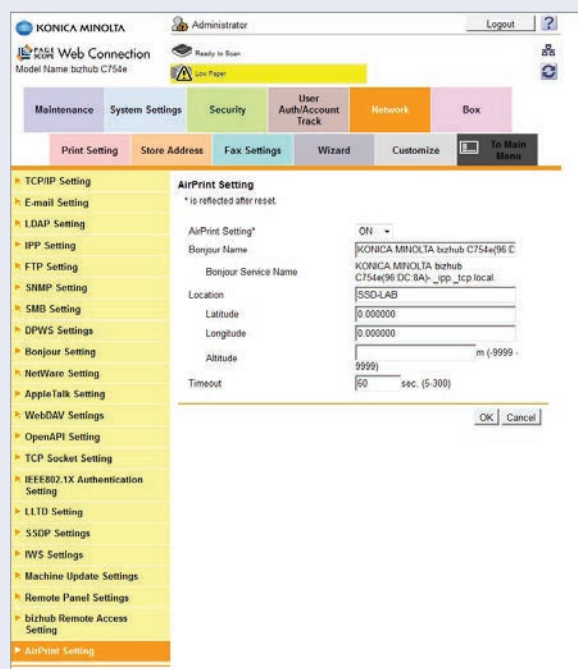


ENABLING AIRPRINT VIA PAGESCOPE WEB CONNECTION

Please note that AirPrint can also be enabled via PageScope Web Connection

1. Access **PageScope Web Connection** (enter **MFP IP Address** from Web Browser) and login as the **Administrator**
2. Select the **Network** tab
3. Select the **AirPrint Setting** to enter the necessary information.

Note: AirPrint is using Bonjour, so make sure Bonjour is enabled on the MFP.

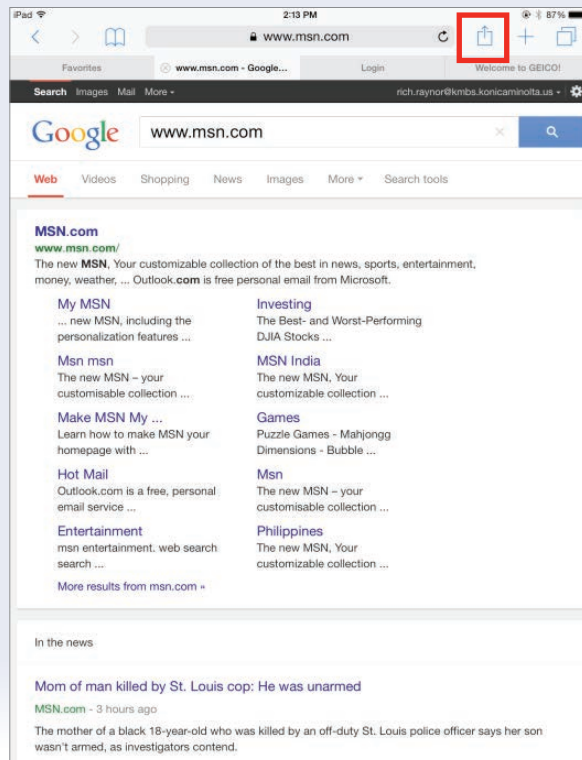


PRINTING USING AirPrint

1. From your iPad or other iOS mobile device open **Safari** (iBooks, Mail or Photos)



2. In Safari, access the desired page, document, etc. and select the **Action** button

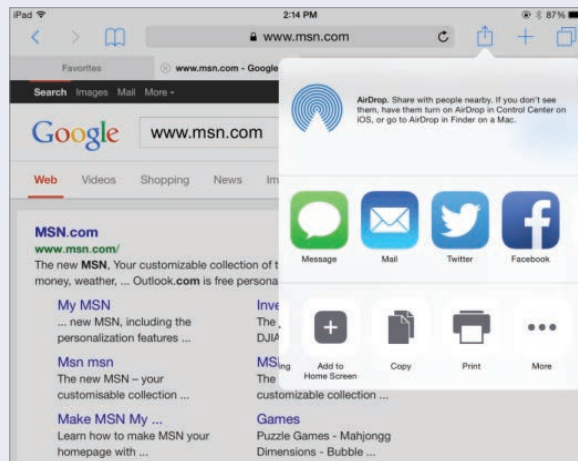


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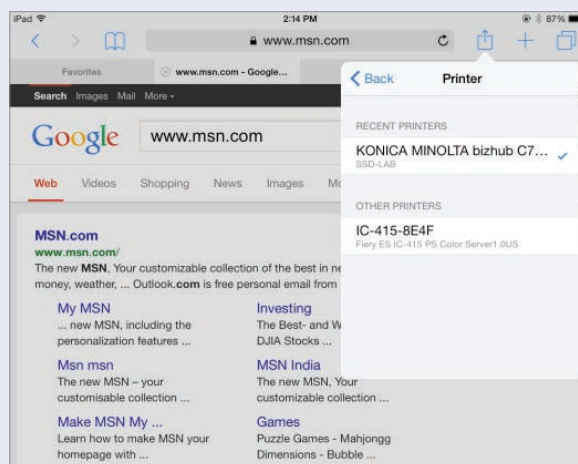
3. Scroll to the right to get additional selections

4. Select **Print**

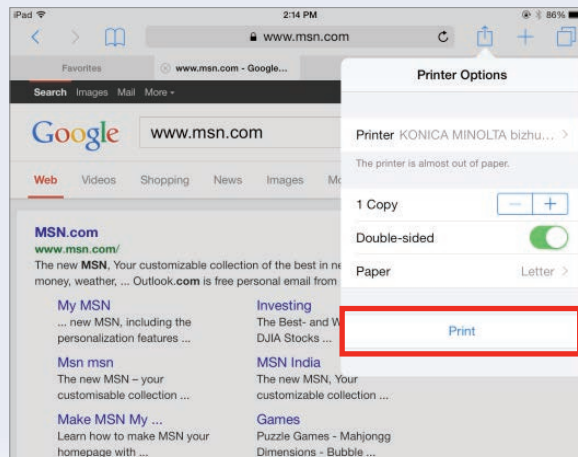


5. Your mobile device will display AirPrint-enabled and compatible AirPrint printers.

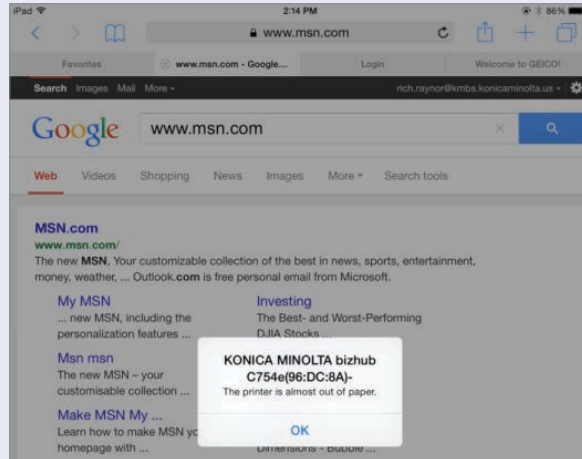
Note: First discovery may be slow.



6. Select **AirPrint-Enabled Printer** and select **Print**



7. A pop-up status notification (confirmation) will appear on your iPad (or iOS mobile device) confirming the destination printer.

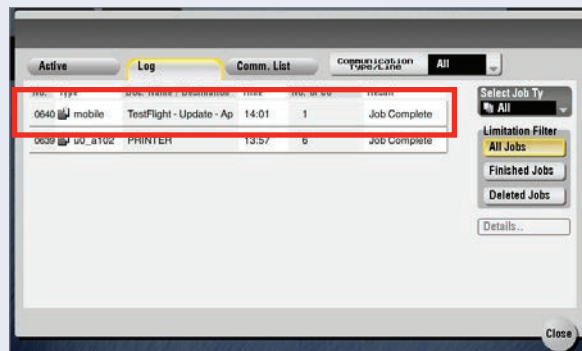


8. Your Job will print without installing any driver or connecting any cables

Note: AirPrint supports basic printing functions – duplex, simplex, B/W, color and number of copies. AirPrint does not support complex finishing.



9. From the MFP control panel, you can view the mobile print job from the **Job List**



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Google Cloud Print – Classic Printer



Google Cloud Print is a mobile print technology that connects your printers to the web. It publishes your local printer(s) to a private Google account. These published printers can be accessed from any location.

Using Google Cloud Print, you can make your home and work printers available to you and anyone you choose, from the applications you use every day. Google Cloud Print works on your phone, tablet, Chromebook, PC, and any other web-connected device you want to print from.

PREREQUISITES

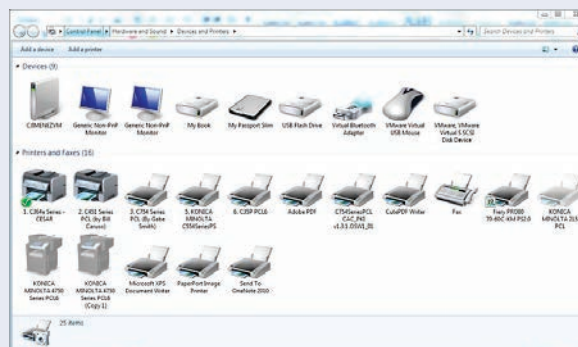
- Wireless Network
- Wired LAN Network

ENABLING GOOGLE CLOUD PRINT AT THE MFP

The MFP must be updated to the firmware level that supports Google Cloud printing. This is the only MFP “requirement”. There are no administrative or print settings required at the MFP to enable Google Cloud print. However, there are steps that need to be taken to use the bizhub MFP to perform Google Cloud printing.

SETTING UP THE bizhub MFP AS A GOOGLE CLOUD PRINTER (CLASSIC PRINTER)

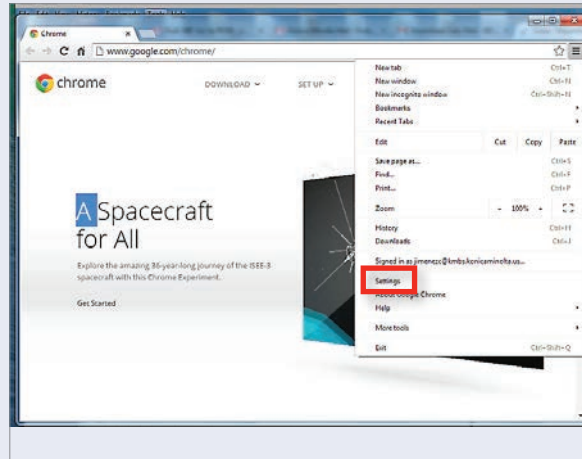
1. First a printer has to be setup on your local PC. (Verify that you can print)



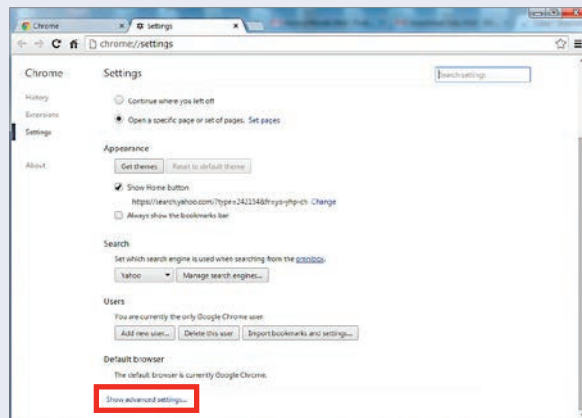
2. Open **Google Chrome** and log into your **Google Account**



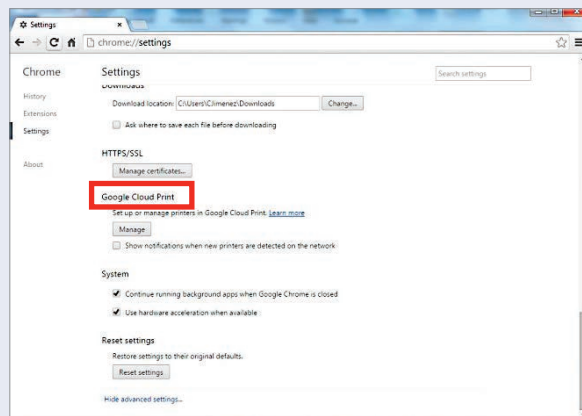
3. Select **Settings**



4. Select **Show Advanced Settings**
at the bottom of the screen



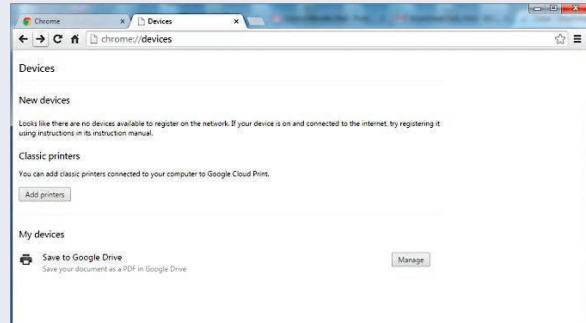
5. Select **Google Cloud Print**
and go to **Manage**



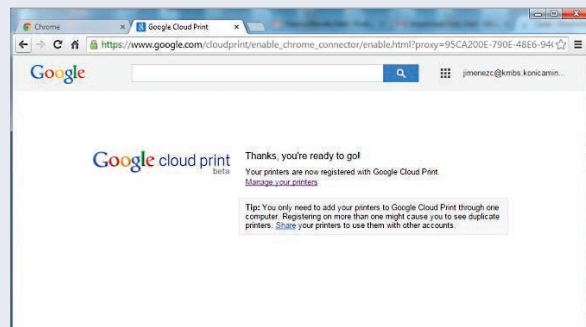
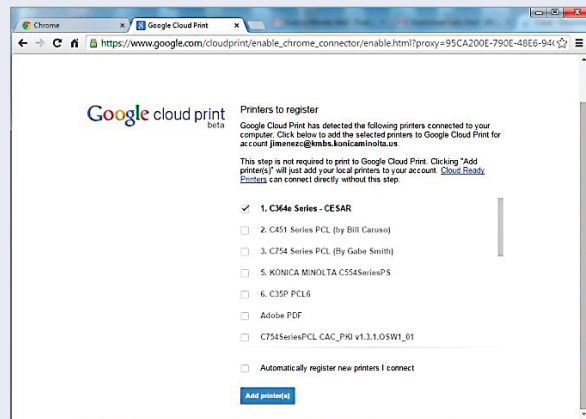
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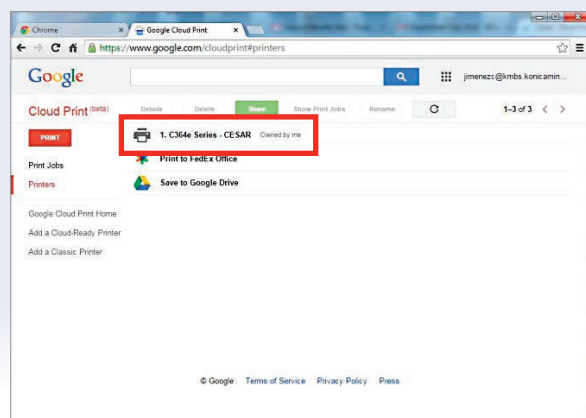
6. Select **Add a Printer**



7. From the **List of Printers**, select which printer you want associated to your account and select **Add Printer** at the bottom of the screen



8. The Printer is now added to your **Google Cloud Account**



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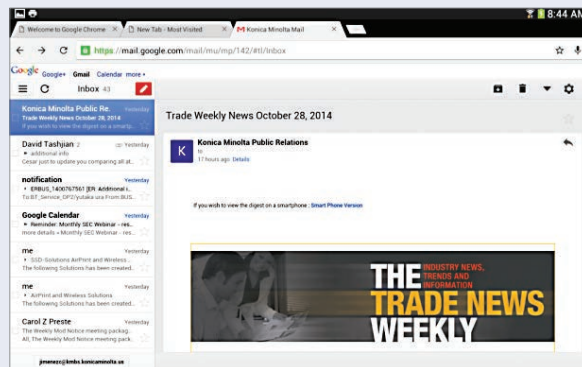
LARGE MFP MOBILE SOLUTIONS

GOOGLE CLOUD PRINTING (CLASSIC PRINTER)

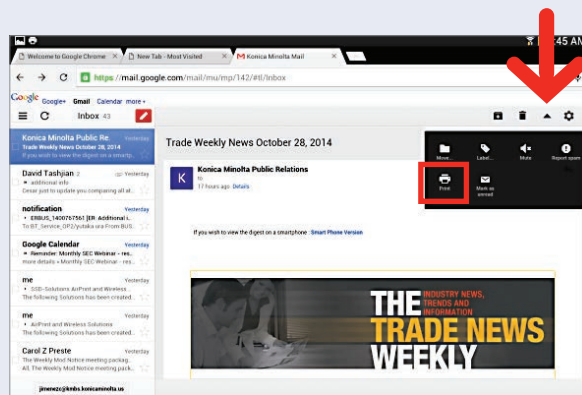
METHOD 1

1. From your Mobile device, open **Chrome** and login to your **Google Account**

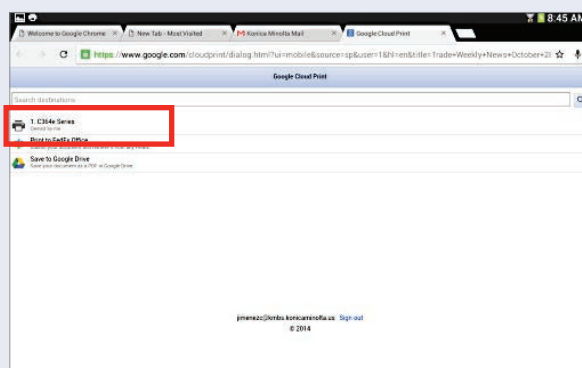
Note: In the screenshot example, the user is logged into their Konica Minolta Google Mail.



2. Select the drop down and choose **Print**



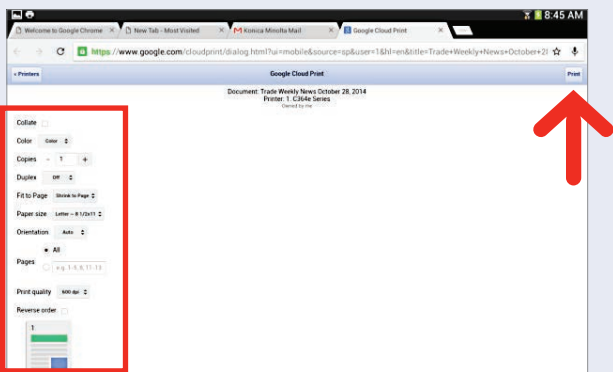
3. Select your printer



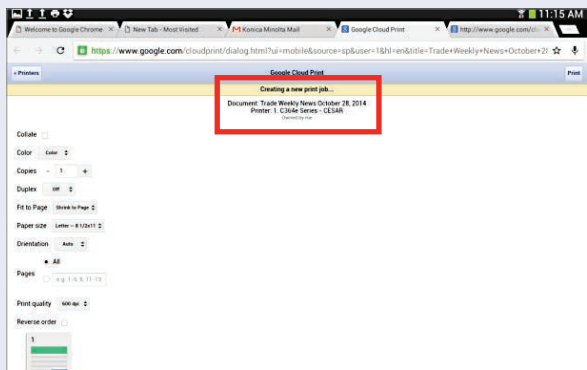
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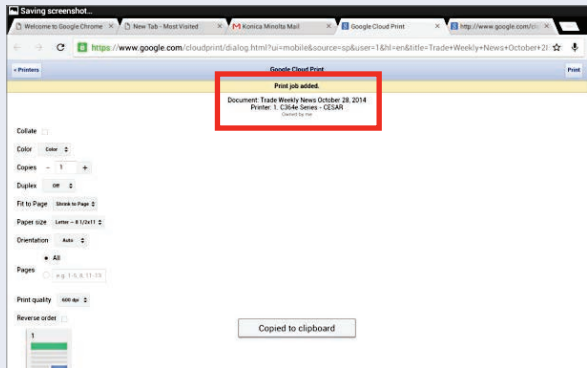
4. Select your custom output settings and select **Print**



5. A new job is created

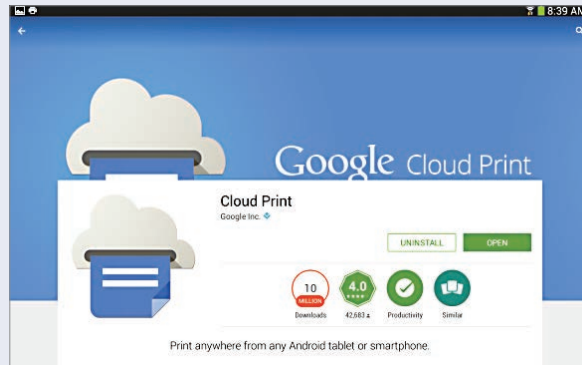


6. The print job is added

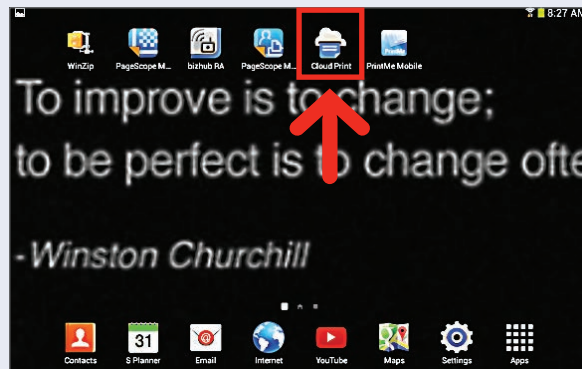


METHOD 2

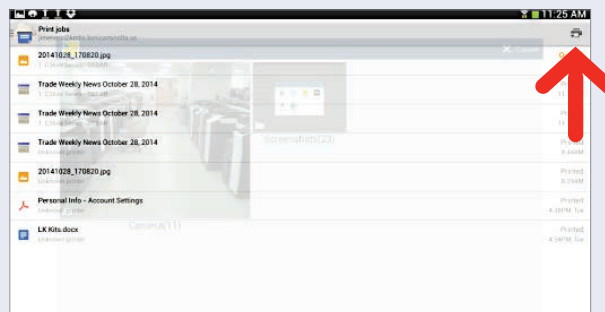
1. On your Mobile device,
download and install the
Google Cloud Print App



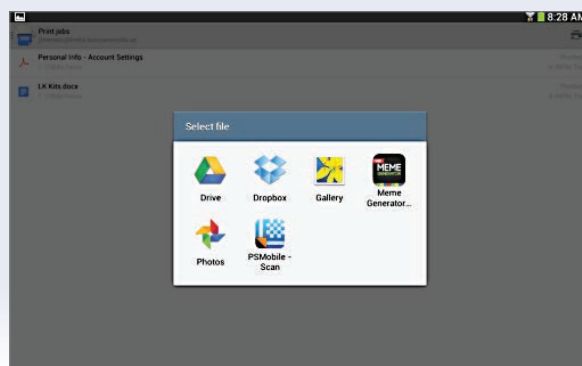
2. Launch **Cloud Print**



3. Select the **Printer** icon



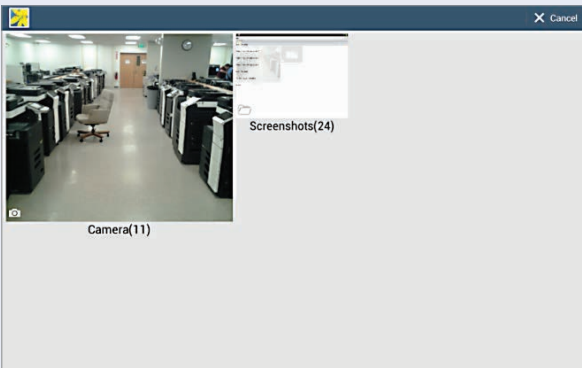
4. Select the location where
your file or picture resides



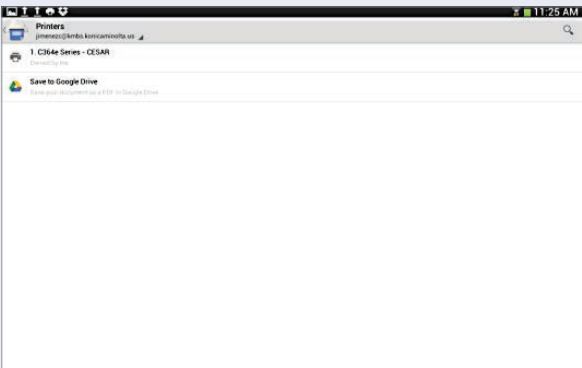
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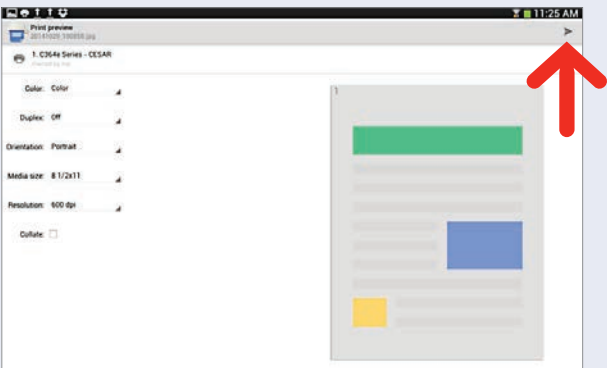
5. Select your picture (or file)



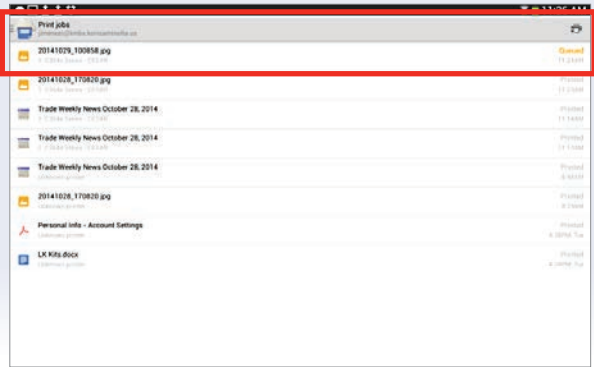
6. Select your printer



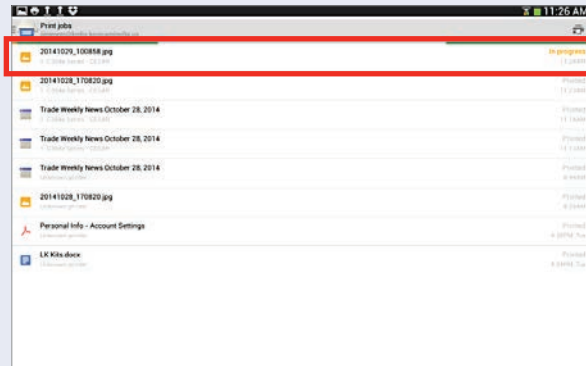
7. From the **Print Preview** screen, make your custom output changes and select the right arrow to send your print job



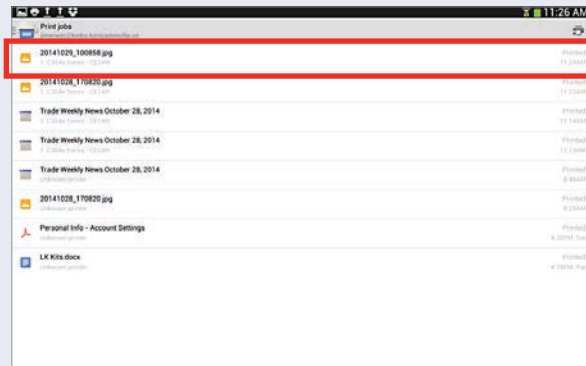
8. Job is now queued



9. Job is in progress



10. Job is printed





Mopria Print Service

The Mopria Print Service App enables printing from your Android KitKat (4.4 or higher) smartphone or tablet to Mopria TM-certified printers and MFPs from any manufacturer that becomes a member and meets the established criteria.

Easily print photos, web pages and documents when your mobile device is connected to a Mopria-certified printer through a wireless network. Control print settings including color, number of copies, paper size and orientation.

Simply download the new Mopria Print Service from Google Play and experience the new way to print from any print enabled Android App (does not apply to iOS mobile devices).

When you have a photo or document you need to print, simply select **Print** from the **Main Menu** ► **Select Printer**. Your mobile device will automatically discover all the printers you can access. Choose the printer you want from the list. You will have the ability to change print settings. Tap the print button and your page will be printed by the Mopria certified device.

The Mopria Print Service App is the result of the Mopria Alliance, a non-profit membership organization of prominent global technology companies that want to provide an easy and intuitive means of printing wirelessly from mobile devices.

MOPRIA ALLIANCE GOALS

- Develop industry-wide mobile printing compatibility
- Implement proven and recognized technologies
- Offer industry-wide, common user experience

In pursuit of these goals, the Mopria Alliance members established four key components to facilitate the use of mobile printing:

- **Connection** – Ability to connect to printers using multiple methods
- **Print System** – Must be based on Industry Standard Protocols, built into the operating system, no special Apps required and must allow printers to be discovered before establishing peer-to-peer network connection to a printer
- **User Experience** – Established alliance guidelines stipulate MINIMUM requirements
 - Keep user interfaces easy
 - Consistent & intuitive interfaces
 - Printer User Interface must provide list of printers available, print button available when printer is selected, minimum set of print options and design should match mobile user's routine
- **Open Application Programming Interface (API)** – Open Application Programming Interface must be SIMPLE and Mobile App Developers have to be able to integrate print functions in their apps with nominal effort.

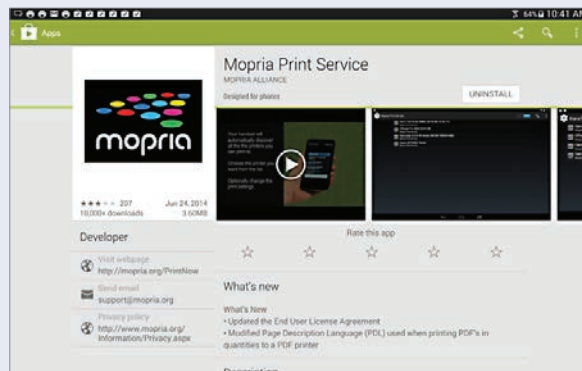
PREREQUISITES

- bizhub MFPs must be equipped with the proper firmware levels
- Wi-Fi Connectivity
- To print using Mopria as a wired printer, the printer and the client must be in the same network subset, wireless or wired router
- Android OS (KitKat) 4.0 or higher

Please note bizhub C754/C654, C554/C454, C364/C284/C224 and 754/654 Series do not support Mopria Print Service.

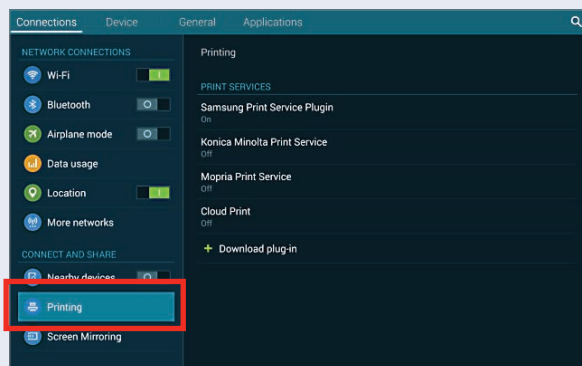
SETTING UP AND CONFIGURING MOPRIA PRINT SERVICES

1. From the **Google Play Store**, download and install **Mopria Print Service** on your Android 4.4 or higher device



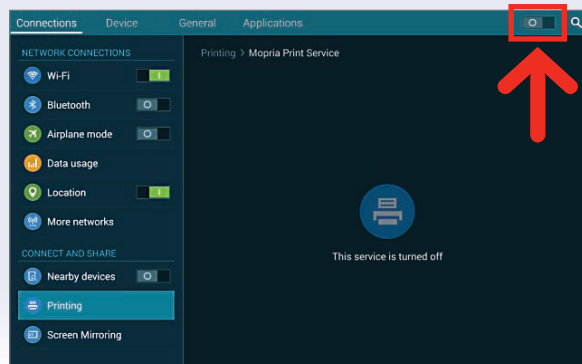
2. On your Android 4.4 tablet or phone, go to **Settings** (not “Google Settings”, just “Settings”)

3. Select **Printing**



4. Enable **Mopria Print Service**

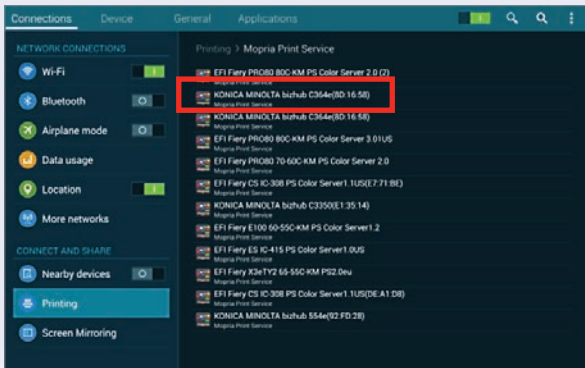
All available Wi-Fi printers are now available.



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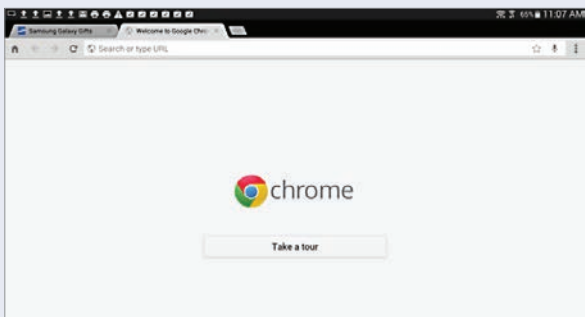
LARGE MFP MOBILE SOLUTIONS

5. All your available Wi-Fi Printers are now available

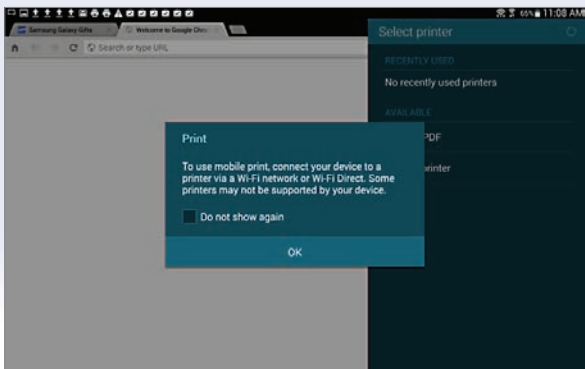
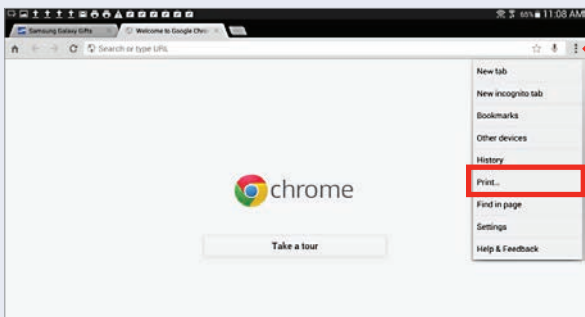


PRINTING USING MOPRIA PRINT SERVICES

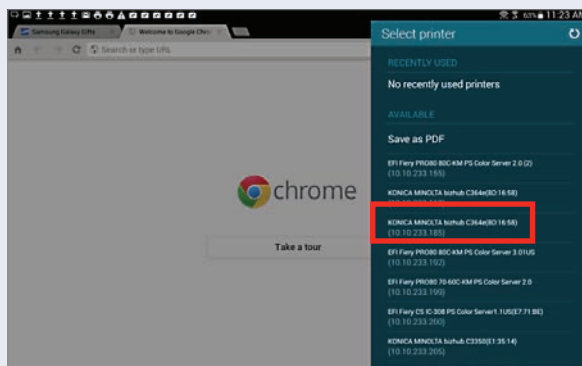
1. Launch **Chrome**



2. From the drop down, select **Print**



3. Select your **Printer**
4. Select your **Output Settings**
and select **Print**





AirPrint via AP Mode

AP Mode is a function that allows customers to use the bizhub unit as a Wireless Access Point. A Wireless Access Point (AP) is a device that allows wireless devices (smartphones, tablets, computers, etc.) to connect to it as a stand alone device. In this scenario, the bizhub's wireless network can be used separately from the cable (wired) network—the mobile device is connecting to the MFP (when configured with the proper options) instead of a router on the network. AP Mode is Access Point Mode (in Service Mode, you need to configure and set Access Point. Refer to service instructions for details). In short the MFP will be your Wi-Fi Network Router.

DESCRIPTION

The following instructions will guide you on how to enable AirPrint, be able to connect and print via the Access Point Mode of the printer.

AirPrint enables printing via a wireless LAN (Wi-Fi) directly to an AirPrint compatible printer. AirPrint does not require a printer-specific driver to be installed. You do not have to setup a driver or cables. You can print from Safari, iBooks, Mail or Photos. The iPad or other iOS mobile device does need to be on the same Wi-Fi Network as the MFP.

bizhub LARGE MFPs AirPrint VIA AP MODE

Compatible bizhub models	C554e/C454e, C364e/C284e/C224e, C368/C308/C258, 554e/454e, 364e/284e/224e, 287/227
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FIRMWARE REQUIREMENTS

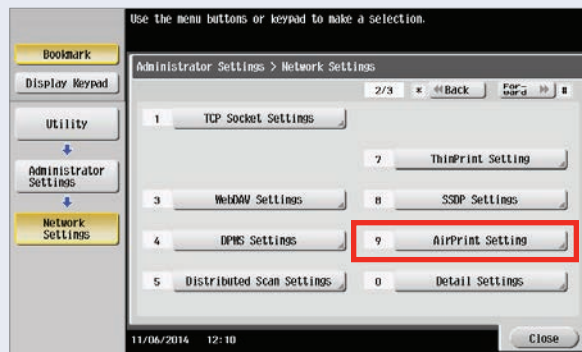
Controller ROM Version	G20-J6 or above, Function level 7
Required Option	UK-208 Wireless Upgrade Kit (Item #A68VWY1) for C554e, C364e, 554e and 364e Series UK-212 Wireless Upgrade Kit (Item #A87EWY2) + EK-608 Local USB Interface or EK-609 Local USB Interface for C368, C287 and 287 Series

Please note that the bizhub C754/C654 and 754/654 do NOT support AP Mode, therefore, AirPrint via AP Mode is not available for these models.

SETUP INSTRUCTIONS

The following steps must be performed by an authorized Konica Minolta Service representative (after the UK-208 or UK-212 Wireless Upgrade Kit has been installed).

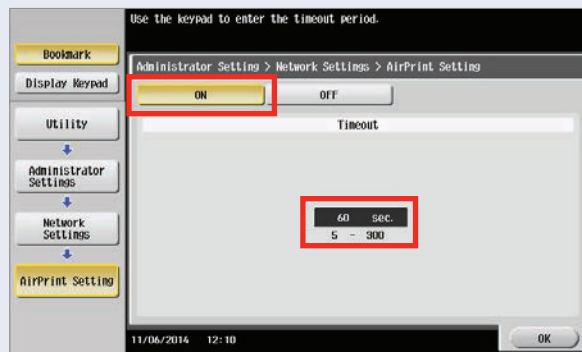
1. Install required firmware level (listed on page 20)
2. Make required **Service Mode Settings**
3. Access **Administrator Menu**
4. Select **Network Settings**
5. Select **AppleTalk**
6. Select **ON**
7. Select **Bonjour**
8. Select **ON**
9. Using the right arrow (right-hand corner of the screen) go to **Page 2** of 3 (2/3)
10. Select **#9 AirPrint Setting**



11. Press **ON** and enter **Time Out Period** (5-300 seconds)

*Note: Press **Display** key (upper left-hand corner of screen) and enter desired timeout period.*

12. Press **OK**
13. Using the right arrow (right-hand corner of the screen) go to **Page 3** of 3 (3/3)



14. Select **Wireless Network Setting**
 - a. Awake from ERP ► OFF
 - b. AP Mode Settings
 - c. SSID
 - d. Enter number of concurrent devices (1-5)
 - e. Enter Signal Strength
 - f. Enter Virtual SSID (i.e. Direct-Thb554e)
15. Press **Close** to get back to **Main Menu**

On Mobile device make the following settings:

1. Turn Wi-Fi **ON**
2. Select **AP Mode** (✓ = Connected)
3. Exit then proceed with print jobs

MFP Pairing via QR Code

Using PageScope Mobile (Apple iOS or Android)

For those bizhub models that support a Wireless LAN Option, you can register devices using a QR code generated by the MFP and print out documents regardless of the network environment.

This function allows users to easily perform MFP pairing. When PageScope Mobile is installed on an iOS or Android-based mobile device, the user can easily register the MFP. It eliminates the registration steps each user would have to perform — selecting the MFP(s) displayed using the search function or entering the IP address manually. The network information of the MFP, which is required to connect this bizhub to a mobile device, can be displayed as a QR code on the screen of the MFP.



PREREQUISITES

- bizhub 654e/754e/C654e/C754e with firmware G20-H2 or newer
- bizhub C554e/C454e/C364e/C284e/C224e with firmware G20-J6 or newer
- bizhub 554e/454e/364e/284e/224e with firmware G20-HJ6 or newer
- bizhub C368/C258/C308, C287/C227 and 287/227 Series support MFP pairing via QR Code using BLE (Bluetooth Low Energy) technology

Enable Bluetooth under Service Mode ► System 2 ► Bluetooth Settings: Effective

OPERATING CONDITIONS

- Only the IPv4 address can be displayed as the IP address stored in the QR code.
- To allow the mobile device to read the QR code, PageScope Mobile must be installed on the mobile device.
- The mobile device must be connected with the wireless LAN access point or connected with the MFP wirelessly.

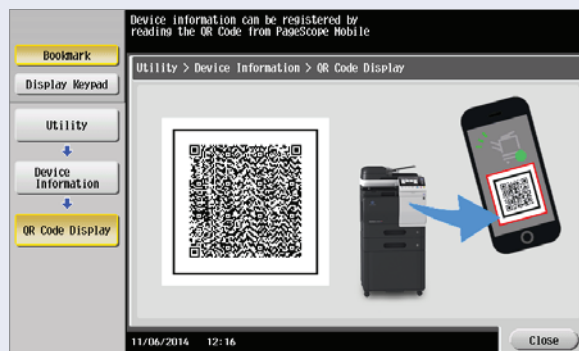
ENABLING QR CODE

1. Press the **Utility** icon on the LCD Home screen (Press the **Menu** key to set the Home screen if necessary)
2. Touch **#3 Administrator Settings**
3. Enter the **Administrator Password: 1234567812345678.**
4. Press **OK**
5. Touch **System Settings** tab
6. Touch **Mobile Connection Settings**
7. Set **Cellular Phone/PDA Setting** to **Allow**
8. Set **QR Code Setting** to **Yes**

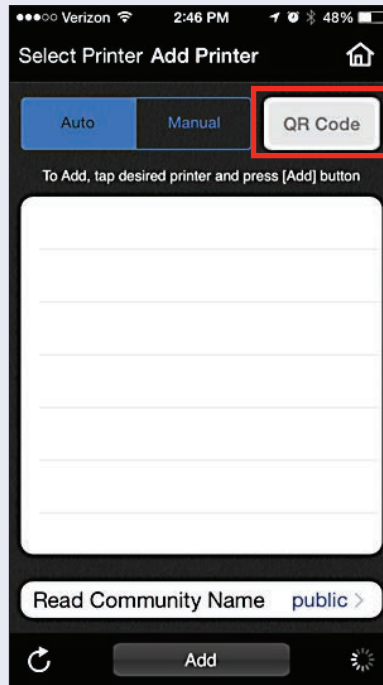
Note: Another alternative, once enabled from Service Mode, users can perform the Administrator Settings from the MFP Web browser under System Settings ► System Connection Settings

TO DISPLAY QR CODE AND REGISTER THE MFP TO YOUR MOBILE DEVICE

1. Press **Utility** icon on the LCD Home screen (Press the **Menu** key to set the Home screen if necessary)
2. Touch **Device Information**
3. Touch **QR Code Display**
4. From your mobile device, open the **PageScope Mobile App**
5. Tap **Select Printer**
6. Tap **Add Printer**

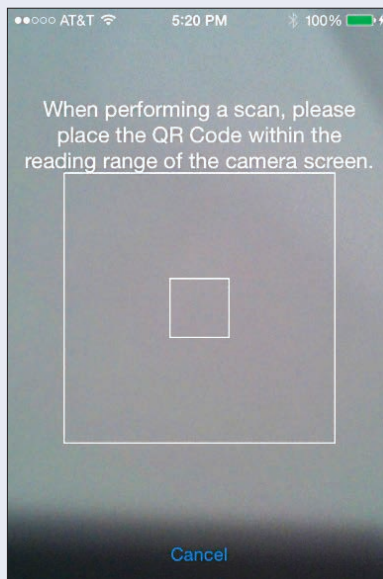


7. Tap **QR Code**



8. Align the **QR Code** within the reading range of the camera screen that appears on your mobile device

9. Upon reading the QR Code, the MFP will be registered and added to list of printers on your mobile device



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NFC Tag Sticker with PageScope Mobile (Android)

NFC TAG FUNCTIONS SUPPORTED ON bizhub ENGINES

Touch & Print as well as Scanning using NFC (Near Field Communication) are supported with Android-based devices that incorporate NFC technology and bizhub MFP/printer(s) that supports NFC technology. Simply by touching an Android device equipped with an NFC antenna to an NFC tag, you can register devices and carry out printing and scanning easily from the device without having to enter any device data.



PREREQUISITES

- An Android device that supports NFC technology
- Android-based mobile device with PageScope Mobile Android App 4.0 (or higher)
- It is necessary to use the NFC Tag Writer app to write the data for the bizhub.
- The NFC Tag Writer app needs to be installed on the Android device which is equipped with an NFC antenna. Refer to the NFC Tag Writer app's help file for details.

NFC Tag Writer can be downloaded free of charge from the Google play.



- NFC Tags are sold separately; Compatible NFC Tags are not sold by Konica Minolta.
- NFC Tag Stickers Recommended (required): **SmartTrac Bullseye Series NXP NTAG 216**
- Wi-Fi Connectivity is required

Note: KONICA MINOLTA does not support writing and reading information using an NFC Tag other than NFC Tags that meet the published specifications.

TESTED ANDROID DEVICES WITH NFC SUPPORT (bizhub ENGINE EQUIPPED with NFC TAG)*

Operation on the following Android OS devices has been confirmed:

- Samsung GALAXY Nexus (OS 4.0)
- Asus Nexus 7 (OS 4.2/4.3)
- LG Nexus 5 (OS 4.4)
- Google Nexus 7 (2013) Tablet – Android 4.4 (KitKat)
(16 GB/7" Tablet/Mfg. Part: NEXUS7 ASUS-2B16-KK)

**The list of NFC-enabled Android devices only represents those that have been tested by Konica Minolta. They are not representative of all Android devices that offer NFC technology. Please ensure that you research or inquire about NFC support before purchasing an Android device. Not all current Android devices on the market support NFC.*

FAQS

Which version of PageScope Mobile supports this Application?

PageScope Mobile for Android Ver 4.0.0 or later is supported.

Where and how do I obtain the NFC Write App?

It can be downloaded from the Google Play Store. Start the Google Play Store Application on the Android OS mobile device and search for "Konica Minolta" or "NFC Tag Writer".

What print formats are supported when using the NFC tag for mobile printing?

- JPEG/PNG/BMP/GIF
- PDF 1.4, 1.5, 1.6, 1.7
- TIFF 6.0
- XPS
- DOCX, XLSX, PPTX

WHAT FUNCTIONS DOES THE NFC TAG SUPPORT

When the PageScope Mobile application is installed on a NFC-compatible Android 4.4 (or higher) device, PageScope Mobile reads the NFC tag. This enables a user to easily carry out device registration, print, or scan data from the device without having to enter information.

On the NFC Tag sticker, you will write device information and print settings in the format defined by KONICA MINOLTA.

To write data to the NFC tag sticker as defined by KONICA MINOLTA, install the NFC Tag Writer application on the NFC-compatible Android device.

Note: The NFC-compatible Android device, both smartphones and tablets, support NFC Tag functions.

Touch to register

The bizhub you are using will be registered in PageScope Mobile for Android.

Touch to run PageScope Mobile for Android

PageScope Mobile for Android will run.

Touch to print

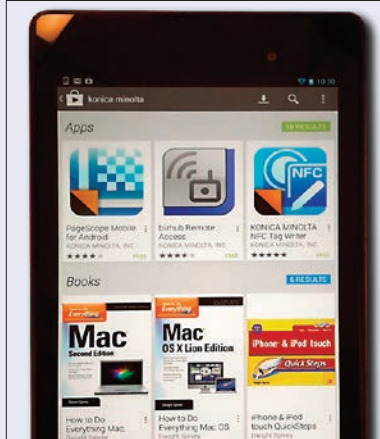
You can print from the screen that you want to print (Web, Email, My Documents)

Touch to scan

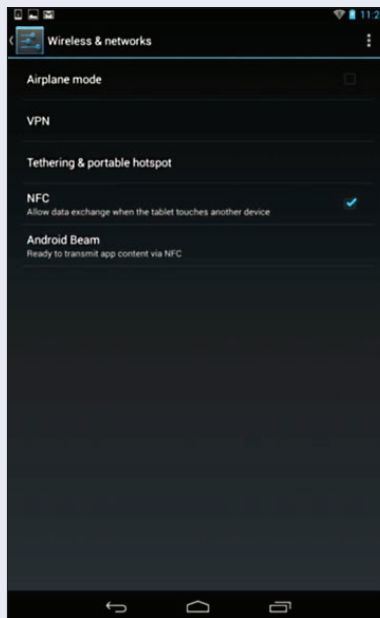
You can save scanned data in My Documents.

WRITING TO THE NFC TAG STICKER

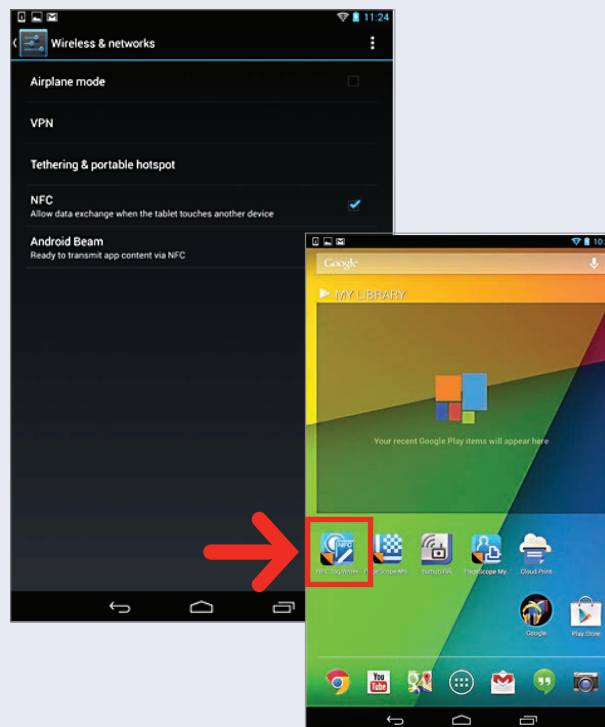
1. Open the **Play Store** and search by **Konica Minolta** or **NFC Tag Writer**
2. Install **NFC Tag Writer**



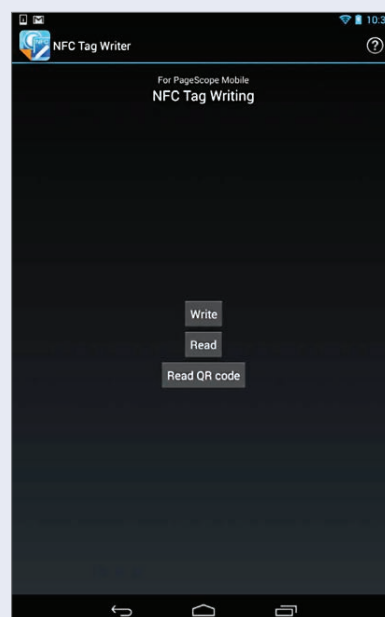
3. Confirm that **NFC Services** is enabled on your Android device (should be located under **Settings ► Wireless Networks ► More**)



4. Launch the **NFC Tag Writer**
You have the options: **Write**,
Read or **Read QR Code**



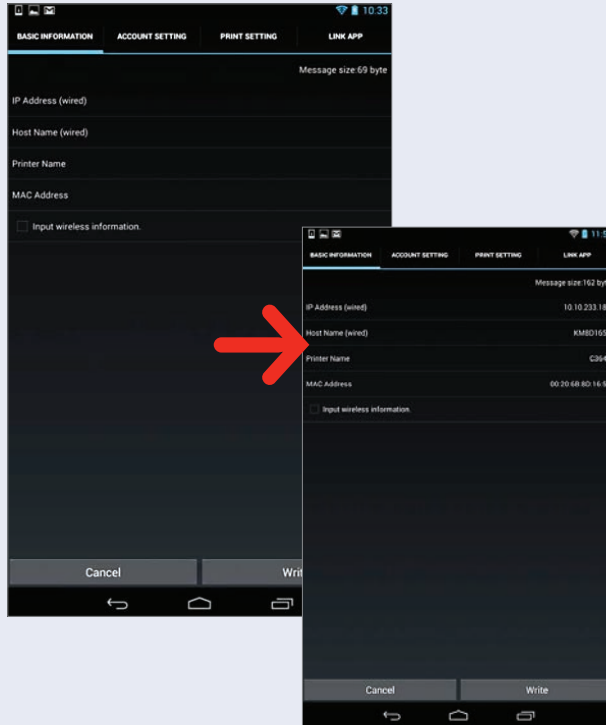
5. Select **Write**
6. Under **Basic Information** you have:
 - a. IP Address (wired)
 - b. Host Name (wired)
 - c. Printer Name
 - d. MAC Address
 - e. Select ☒ Input wireless information



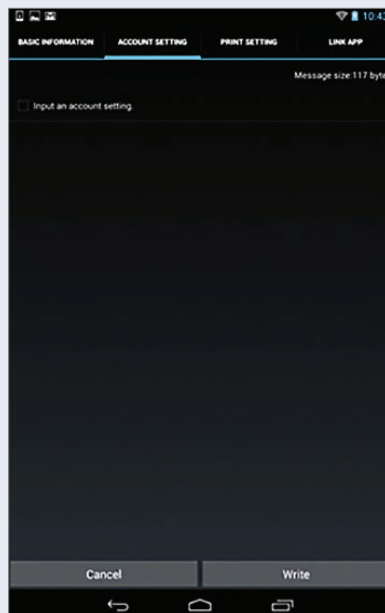
If you are using Wireless, this is the area to enter the required information. Tap the box to select it (a checkmark will appear and the following information will display:

✓ **Input Wireless Information**

Connection Mode
IP Address (wireless)
Host Name (wireless)
SSID
Password
Authentication/Encryption
Algorithm



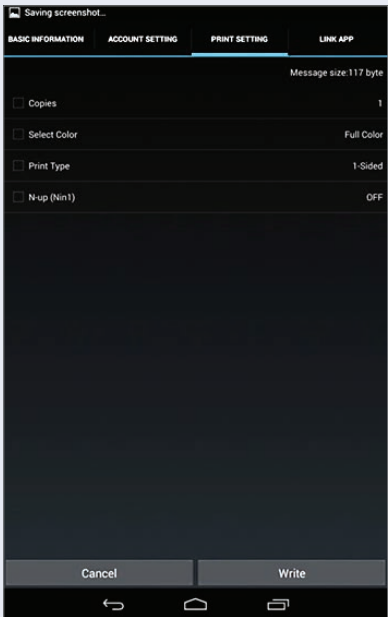
7. If you are using Account Track, you would enter that information under the **Account Setting** tab



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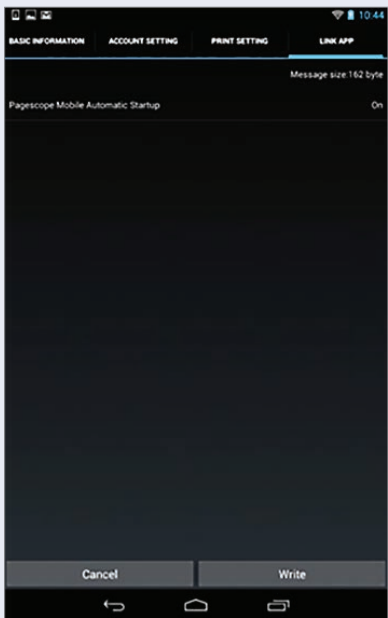
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8. Default **Print Settings** would be entered under the **Print Setting** tab.

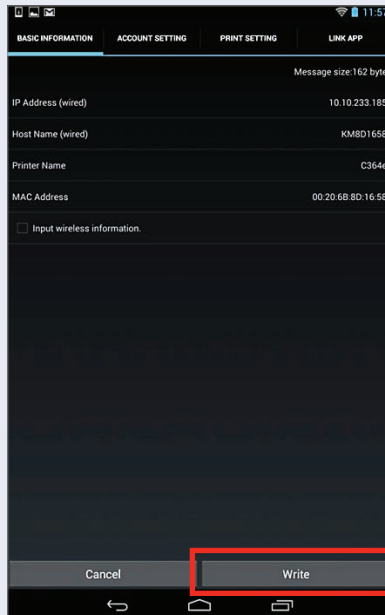


9. Select the **Link App** in order for PageScope Mobile to start when the Android scans a NFC Tag Sticker

SmartTrac-manufactured “NFC BullsEye NTAG216” is the officially recommended NFC Tag for use with compatible Konica Minolta bizhub engines.



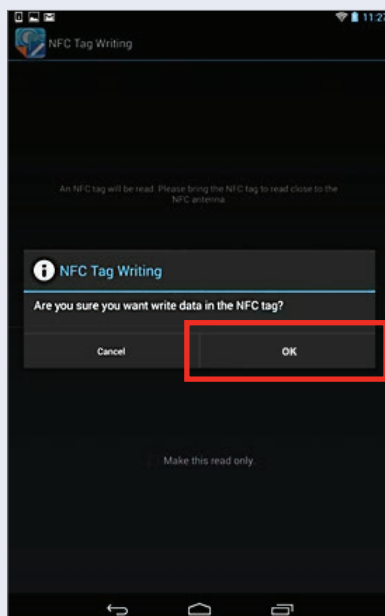
10. Once all your data has been entered, select **Write** located at the lower left side of your screen.



11. Bring your NFC Tag Sticker close to your mobile device to ensure it can be read by the Android mobile device.
Note: In some cases you may have to place the Android onto the NFC Tag.

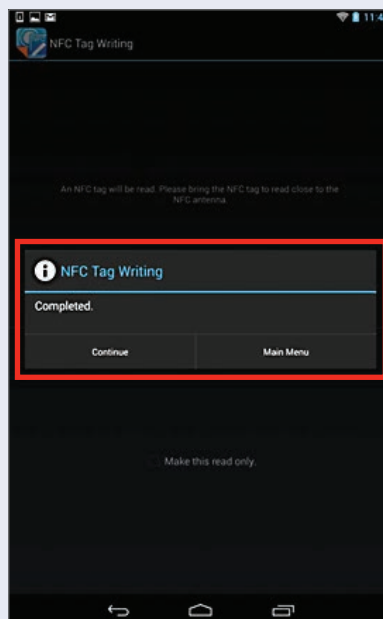
12. Once the Android detects the NFC Tag Sticker, the following screens will appear (there is no beep)

13. Tap **OK**



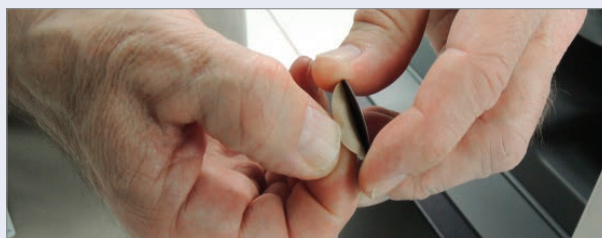
14. Upon successfully writing to the NFC Tag, you will get a message informing you that the NFC Tag programming process is complete.

It's now ready for use.



FROM THE MFP

1. Remove the protective paper from the back of the NFC Tag sticker as shown in the illustration

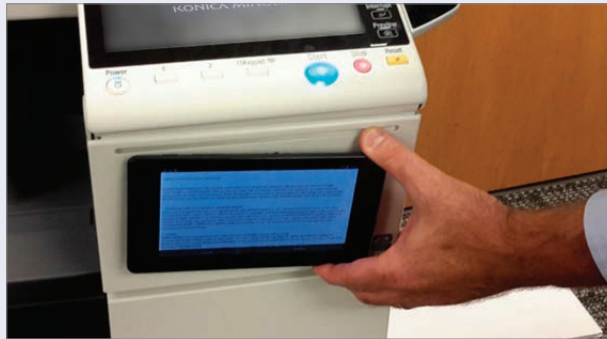


2. Place your NFC Tag Sticker in a flat surface (as shown on the flat surface of the finisher if one is attached)



3. Bring your NFC Android close to the NFC Tag Sticker location.

Note: In some cases you need your Android touching the NFC Tag Sticker.

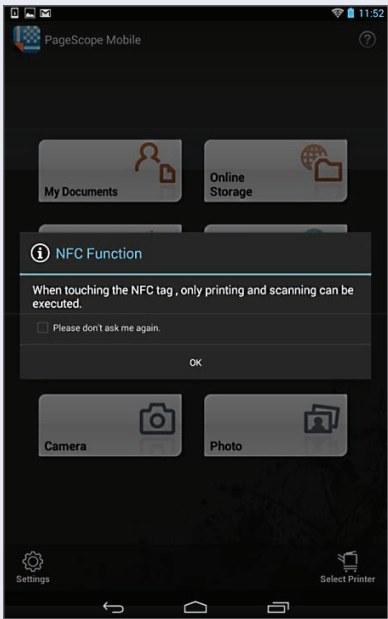


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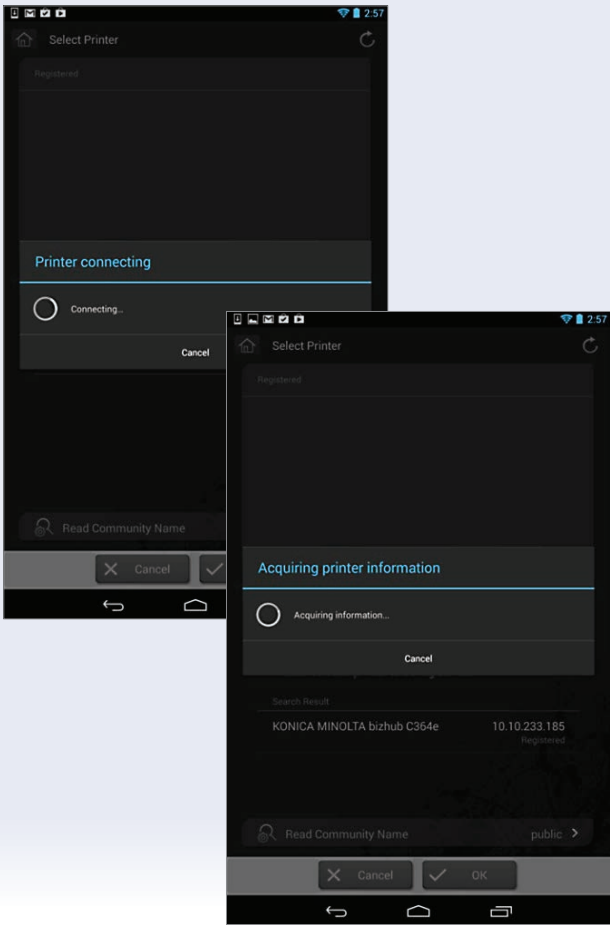
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4. When this procedure is done for the very first time, you will get the following message:
- “When touching the NFC Tag, only printing and scanning can be executed.”*

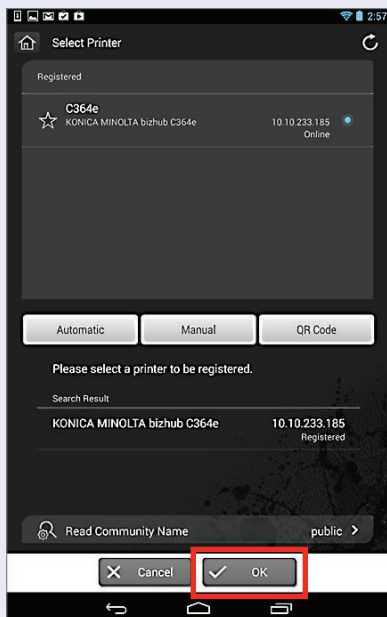
Note: PageScope Mobile will launch, but at times, if the printer is not registered while in the current PageScope Mobile screen, touch the Android to the NFC Tag Sticker again.



5. At this stage the Printer is connecting and PageScope Mobile is acquiring the printer information that was programmed in the NFC Tag Sticker.



6. The Konica Minolta MFP is located and simply select **OK** to save it.



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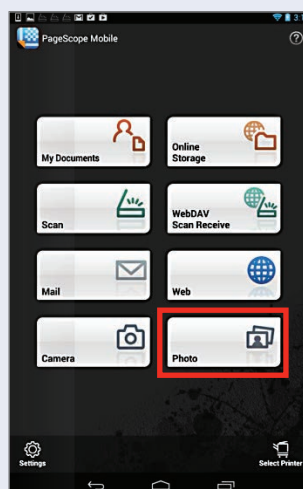
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PRINTING FROM THE ANDROID

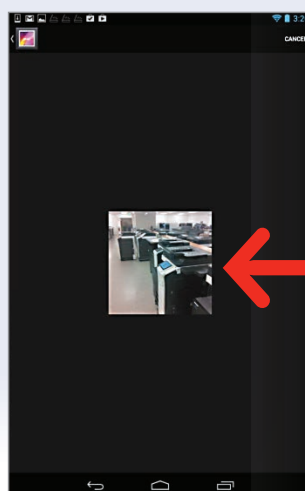
1. Select a picture you want to print (in our example we used a picture we have taken with our Android device).



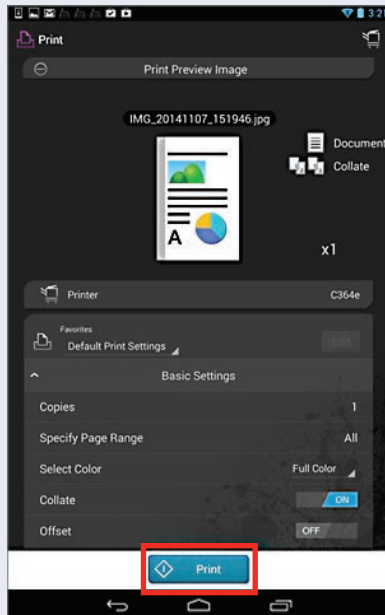
2. Launch **PageScope Mobile**



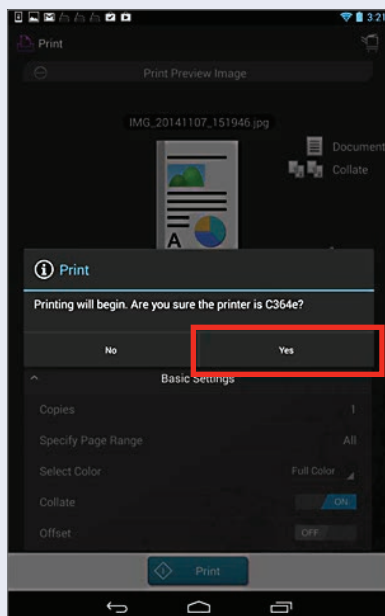
3. Select **Photo** and choose the photo you want to print



4. Designate your output settings and select **Print** when ready



5. Select **Yes**



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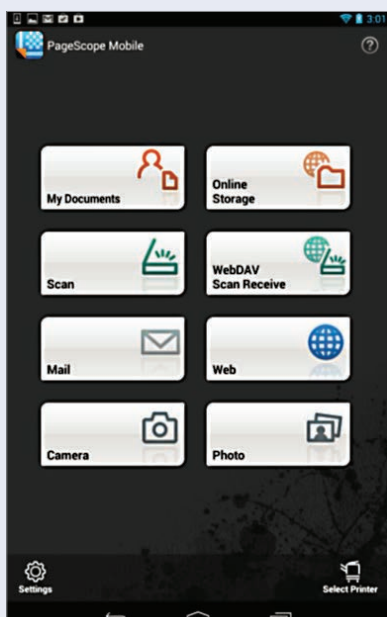
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6. The photo is submitted to the printer



SCAN TO THE ANDROID

1. Place your document on the MFP document feeder
2. Launch **PageScope Mobile**



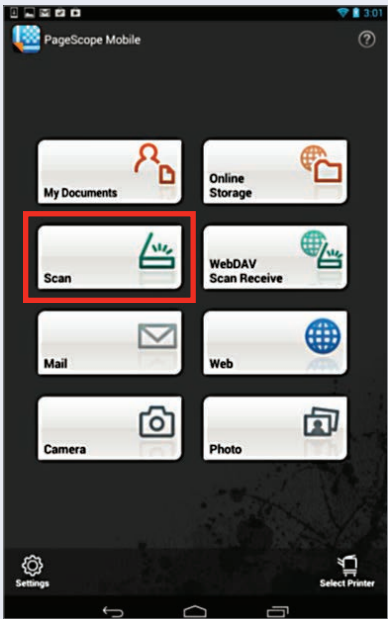
3. Place document on document feeder



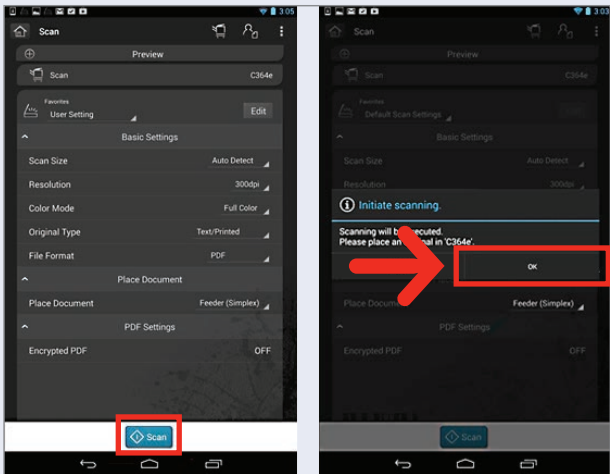
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4. Select **Scan**

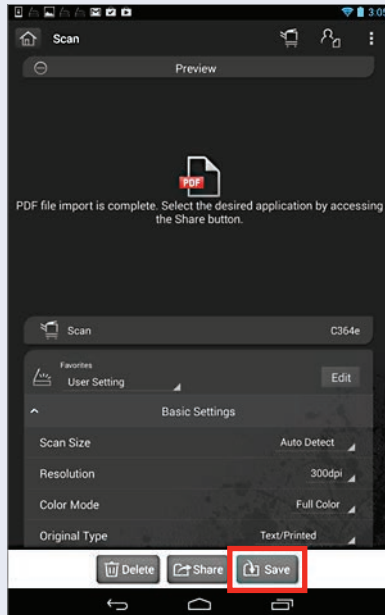


5. Select desired **Scan** settings and once you are ready, select **Scan**

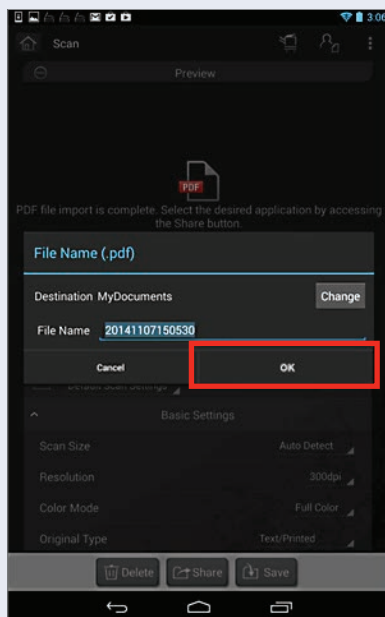


6. You will be prompted with a message that scanning will be executed, select **OK**
7. The MFP will scan the document
8. You will get a **Preview** screen with the following selections:
 - a. Delete
 - b. Share
 - c. Save

*Note: for this example select **Save***



9. Press **OK**



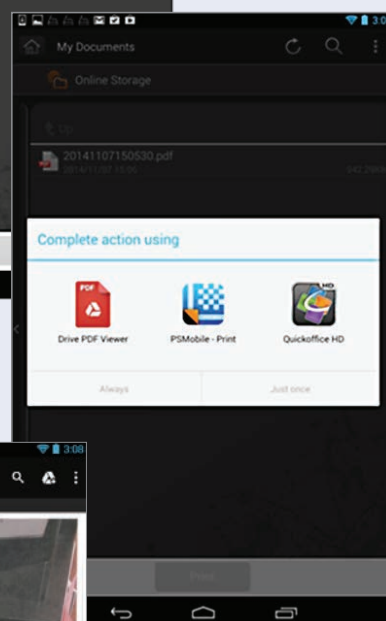
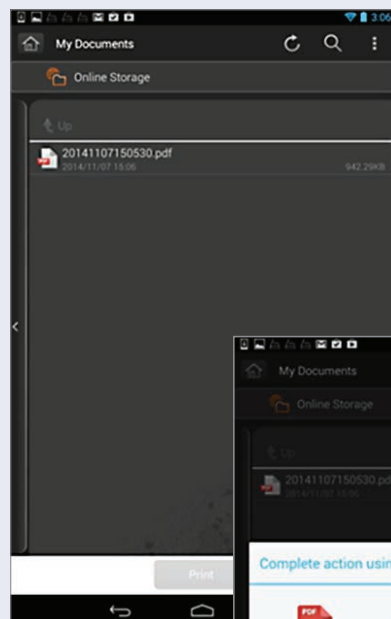
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LARGE MFP MOBILE SOLUTIONS

10. Now you can rename the scanned file or leave it as it is defaulted and press **OK**

11. Now you can go to **My Documents** folder and locate the scanned file and open it

Note: In our example we opened the scanned file with Drive PDF Viewer



NFC Enabled Devices

Please note that at time of publication, only the C368 Series, C287 Series, and 287 Series are NFC enabled. These devices do not require the NFC Tag to perform NFC functions.

NFC Enabled devices can be easily searched and registered in PageScope Mobile on the Android device simply by touching the mobile device to the NFC touch area on the MFP Panel.



NFC Enabled Devices can be identified by the Mobile Touch Area on the MFP Control Panel.



bizhub Device

PREREQUISITES

- An Android device that supports NFC technology
- Android-based mobile device with PageScope Mobile Android App 5.0 or higher
- Android-based mobile devices that support NFC technology. Please check your device specifications before purchasing.
- bizhub C368, C287, and 287 Series offer NFC Active Tag (NFC Enabled).

FAQS

Which version of PageScope Mobile supports this Application?

PageScope Mobile for Android Ver 4.0.0 or higher is supported.

What print formats are supported when using the NFC for mobile printing?

- JPEG/PNG/BMP/GIF
- PDF 1.4, 1.5, 1.6, 1.7
- TIFF 6.0
- XPS
- DOCX, XLSX, PPTX

WHAT FUNCTIONS DO THE NFC-ENABLED MFPS SUPPORT?

When the PageScope Mobile application is installed on a NFC-compatible Android mobile device, PageScope Mobile communicates via NFC using the Mobile Touch Area of the MFP, which enables a user to easily carry out device registration, printing or scanning. Touching the Mobile Touch Area to access NFC functionality supports device registration, printing, and scanning so users don't need to perform complex operations.

Touch to Register

The bizhub you are using will be registered in PageScope Mobile for Android.

Touch to Run PageScope Mobile for Android

PageScope Mobile for Android will run.

Touch to Print

You can print from the screen that you want to print (Web, Email, My Documents)

Touch to Scan

You can save scanned data in My Documents.

ACTIVATING NFC ON MFP VIA SIMPLE CONNECTION SETTING

1. Press **Utility**
2. Access **Administrator Settings**
3. Enter **Password**
4. Touch **System Connection**
5. Touch **Mobile Connection Settings**
6. Touch **Simple Connection Setting**
7. Touch **Enable NFC**

Please note that there are two (2) methods for activating NFC on NFC-enabled devices:

- 1. Simple Connection Setting*
- 2. User Authentication/Account Track*

ACTIVATING NFC ON MFP VIA USER AUTHENTICATION/ACCOUNT TRACK

1. Press **Utility**
2. Access **Administrator Settings** menu
3. Enter **Password**
4. Touch **User Authentication/Account Track**
5. Touch **General Settings**
6. Touch **Enable NFC**

ACTIVATING NFC ON NFC ENABLED ANDROID DEVICE

(Represents typical access to NFC Settings on an Android Device)

1. From the Android Device, tap **Settings**
2. Tap **Wireless & Networking**
3. Tap **More**
4. Enable **NFC** to allow data exchange when one NFC-enabled device touches another NFC-enabled device

START AN APPLICATION VIA NFC USING AN ANDROID DEVICE

When this setting is enabled, the application will automatically start when the mobile device touches or comes in proximity to the Mobile touch area of the MFP.

1. Press **Utility**
2. Access **Administrator Settings** menu
3. Enter **Password**
4. Touch **System Connection**
5. Touch **Mobile Connection Settings**
6. Touch **Default NFC Application Setting**
7. Touch **PageScope Mobile for Android**
8. Touch **OK** and press **Close** 4x

Bluetooth Low Energy BLE (iOS)

Please note that at time of publication, only the C368 Series, C287 Series, and 287 Series are support mobile printing using the Bluetooth Low Energy technology. The optional EK-609 Kit is required to perform BLE mobile printing.

BLE enabled MFPs can be easily searched and registered in PageScope Mobile on an iOS mobile device simply by touching the mobile device to Mobile Touch area on the MFP Panel. Users can also automatically authenticate and login to the device. Touching the Mobile Touch Area to access BLE functionality supports device registration, printing, and scanning so users don't need to perform complex operations (offers same benefit available NFC technology for Android).



MFPs that offer BLE support (when the optional EK-609) is installed can be identified by the Mobile Touch Area on the MFP Control Panel. Please note that a wireless network environment is required.



PREREQUISITES

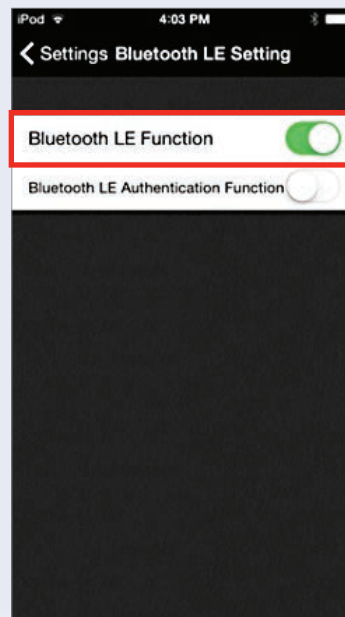
- Optional Device Connection I/F Kit The EK-609 USB Host Board (Local Interface Kit) with Bluetooth Printing support
- EK-609 USB Host Board (Local Interface Kit) must be enabled via Service Mode (consult with Service Representatives for details; this procedure must be performed by an authorized Konica Minolta Service Representative)
- Compatible bizhub MFP and the mobile device must be subscribed to the same network
- PageScope Mobile iOS 5.0 or higher
- Wi-Fi Environment is necessary for device registration, printing and scanning functions.
- bizhub C368 Series Firmware Requirements: G00-54 or above
- bizhub 287 Series Firmware Requirements: G00-54 or above

ACTIVATING BLE ON MFP VIA SIMPLE CONNECTION SETTING

1. Press **Utility**
2. Access **Administrator Settings**
3. Enter **Password**
4. Touch **System Settings**
5. Touch **System Connection Settings**
6. Touch **Mobile Connection Settings**
7. Touch **Quick** (or Simple) **Connection Setting**
8. Set **Bluetooth LE Use Setting** to **ON**

ACTIVATING BLE IN PAGESCOPE MOBILE APP

1. Launch **PageScope Mobile**
2. Tap **Settings**
3. Tap **Bluetooth LE Setting**
4. Tap **Bluetooth LE Function**
5. Select **ON** and tap **OK** (Bluetooth LE Function will be enabled)



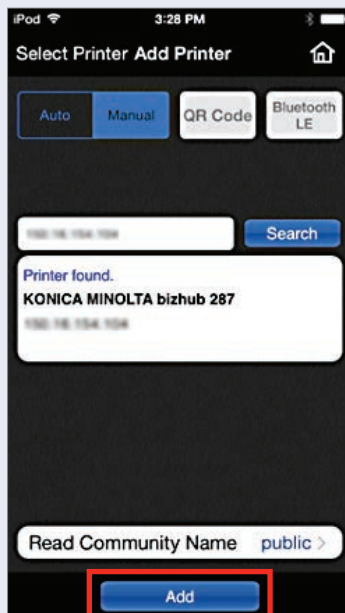
REGISTERING MFP USING BLE

The Bluetooth LE Function allows registration of the MFP on the network via Bluetooth connection.

1. Launch **PageScope Mobile**
2. Tap **Select Printer**
3. Tap **Add Printer**
4. Tap **Bluetooth LE**
5. Place your iPhone/iPad near the Mobile Touch area of the MFP and tap **OK**



6. Tap **Add** to complete **Registration**





WI-FI DIRECT

Wi-Fi Direct is a Wi-Fi standard that enables compatible devices to easily connect to each other without the use of a wireless router or Access Point, as specified by the Wi-Fi Alliance, an organization that promotes the Wi-Fi Direct standards. Wi-Fi Direct provides a direct connection between wireless LAN devices.

- Devices (PC, mobile) that support Wi-Fi Direct can connect P2P (Peer to Peer) with a compatible bizhub (At time of this publication, Wi-Fi Direct printing from mobile devices is only possible with PageScope Mobile for Android).
- Devices (PC, mobile) that do not support Wi-Fi Direct can connect if the bizhub acts as an AP (Access Point) **Up to five units can be connected.**
- Users can connect to a network for MFPs only, without going through the internal LAN, so security is maintained without changing internal network settings; printing from devices brought in from outside the company are supported (visitor/guest mobile devices).
- Each time the bizhub power is turned off and on, the bizhub SSID is updated to enhance security.

PREREQUISITES

- C554e/C454e – UK-208 Wireless Upgrade Kit and firmware level G00-J6 or above OR G20-J6 or above (G20-J6 includes i-Option LK-XXX support for those users that need mobility AND want to install any of the LK-XXX licenses).
- C364e/C284e/C224e – UK-208 Wireless Upgrade Kit and firmware level G00-J6 or above OR G20-J6 or above (G20-J6 includes i-Option LK-XXX support for those users that need mobility AND want to install any of the LK-XXX licenses).
- 554e/454e – UK-208 Wireless Upgrade Kit and firmware level G00-J6 or above OR G20-J6 or above (G20-J6 includes i-Option LK-XXX support for those users that need mobility AND want to install any of the LK-XXX licenses).
- 364e/284e/224e – UK-208 Wireless Upgrade Kit and firmware level G00-J6 or above OR G20-J6 or above (G20-J6 includes i-Option LK-XXX support for those users that need mobility AND want to install any of the LK-XXX licenses).
- C368/C258/C308 – UK-212 Wireless Upgrade Kit + EK-608 Local USB Interface or EK-609 Local USB Interface and firmware level Maintenance Release 1, Function Version 2.0, G00-16.

- C287/C227 – UK-212 Wireless Upgrade Kit + EK-608 Local USB Interface or EK-609 Local USB Interface and firmware level Function Version 1.2, G00-11.
- 287/227 – UK-212 Wireless Upgrade Kit and firmware level Maintenance Release 2, Function Version 1.0, G00-28.

Please note that the C754e/C654e and 754e/654e Series do not support Wi-Fi Direct.



AirPrint

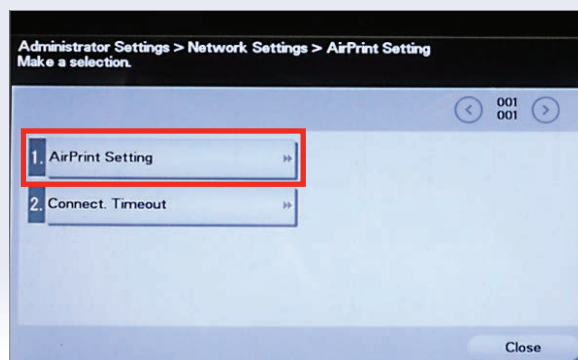
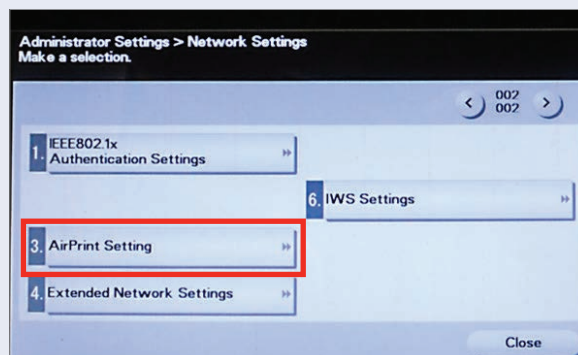
PREREQUISITES

- bizhub C3850FS/C3850/C3350 – NC-P03 Wireless Network Interface + MK-P06 Mount Kit for NC-P03 and firmware level 30G0-515 or above
- bizhub 4750/4050 – NC-P03 Wireless Interface and firmware level A6F730G0516-999 or above
- bizhub 4020 – NC-P02 Wireless Network Interface and firmware level LW41.SB*.P454 or above
- bizhub 4700P/4000P – NC-P01 Wireless Network Interface and firmware level LW41.PR*.P454 or above
- bizhub 3300P – NC-P01 Wireless Network Interface and firmware level LW41.PR*.P454 or above
- Wi-Fi Connectivity

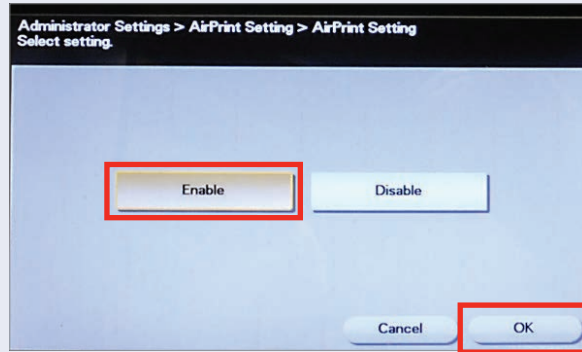
CONFIGURING WI-FI CLIENT + AIRPRINT

Note: AirPrint can be enabled on all Network Configurations: Wired LAN, Wireless LAN (Client mode) and Wireless LAN (Access Point)

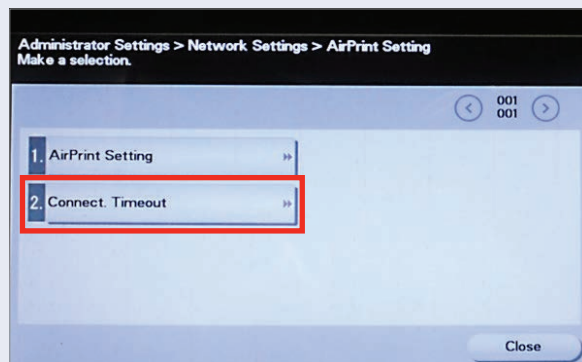
1. Press **Utility**
2. Access **Administrator Settings** menu and enter **Password**
3. Touch **Network Settings**
4. Go to **Page 2** of 2 using the right arrow
5. Touch **AirPrint Setting**
6. Touch **AirPrint**



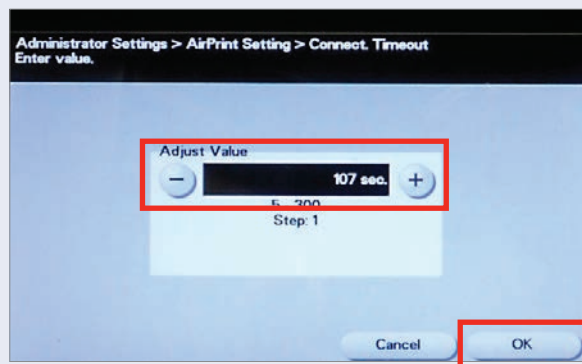
7. Touch **Enable** and then press **OK**



8. Touch **Connect TimeOut**
(if you exited out to main screen,
access **Administrator Settings**
menu, touch **Network Settings**
and then touch **Connect Timeout**)



9. Accept the default by pressing
OK or Adjust the Value using (-)
or (+) and then press **OK** to apply
and exit. Press **Close** 2x.

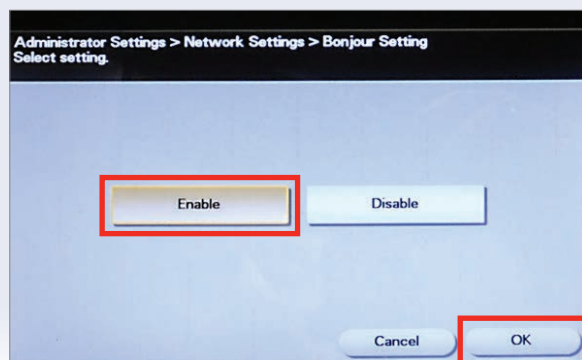


10. Touch **Network Settings**
(if you exited to the **Main Menu**,
access **Administrator Settings**
menu and enter **Password**)

11. Touch **Bonjour Settings**

12. Touch **Enable** and press **OK**

13. Press **Close** until you get
to the Main Menu



Google Cloud Print – Classic Printer



Google Cloud Print is a mobile print technology that connects your printers to the web — it allows you to print to the MFP/printer from any location.

Using Google Cloud Print, you can make your home and work printers available to you and anyone you choose, from the applications you use every day. Google Cloud Print works on your phone, tablet, Chromebook, PC, and any other web-connected device you want to print from.

PREREQUISITES

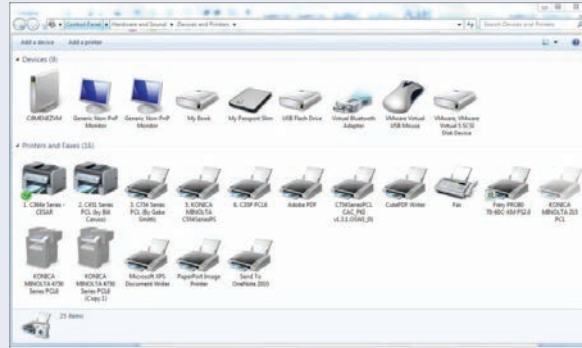
- bizhub C3850FS/C3850/C3350 – NC-P03 Wireless Network Interface
+ MK-P06 Mount Kit for NC-P03 and Firmware level 30G0-515 or above.
- bizhub 4750/4050 – NC-P03 Wireless Interface and Firmware level
A6F730G0516-999 or above.
- Wi-Fi Connectivity for mobile device printing. Please note that Wi-Fi Interface option is not a requirement to register or access Google Cloud Print. A wired connection also supports registering and accessing Google Cloud Print.
- Google Chrome Browser.
- Google Account -- a User Account to register and manage printer(s).
Can be any Google account.
- Dedicated PC or server to allow the registration and connection of Classic printer.

ENABLING GOOGLE CLOUD PRINT AT THE MFP

The MFP must be updated to the firmware level that supports Google Cloud printing. This is the only MFP “requirement”. There are no administrative or print settings required at the MFP to enable Google Cloud print. However, there are steps that need to be taken to use the bizhub MFP to perform Google Cloud printing.

SETTING UP THE bizhub MFP AS A GOOGLE CLOUD PRINTER (CLASSIC PRINTER)

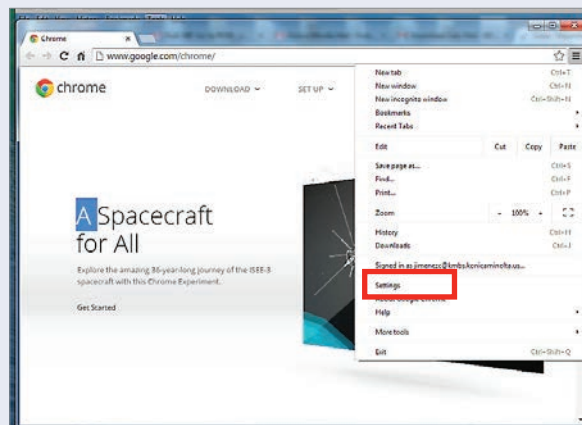
1. First, a printer using proper Konica Minolta Print Driver has to be setup on your local PC. (Verify that you can print)



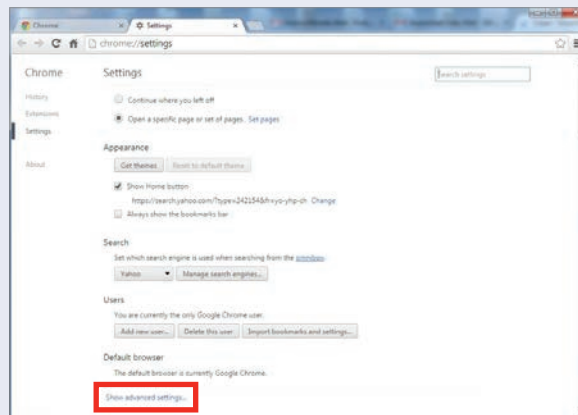
2. Open **Google Chrome Browser** and log into your **Google Account**



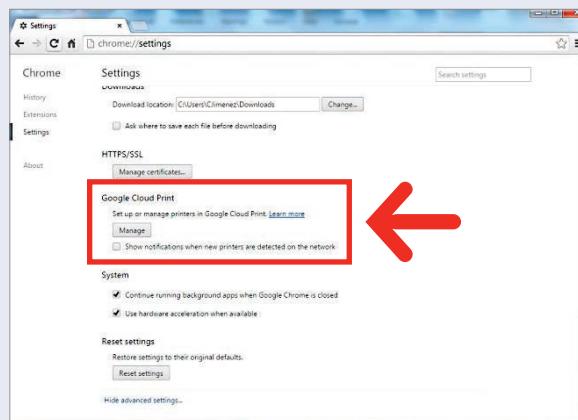
- ### 3. Select **Settings**



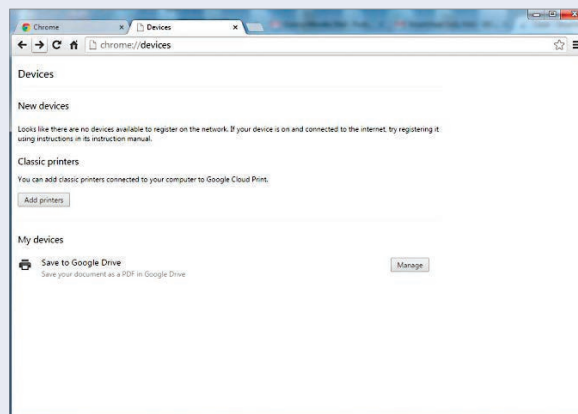
4. Select **Show Advanced Settings**
at the bottom of the screen



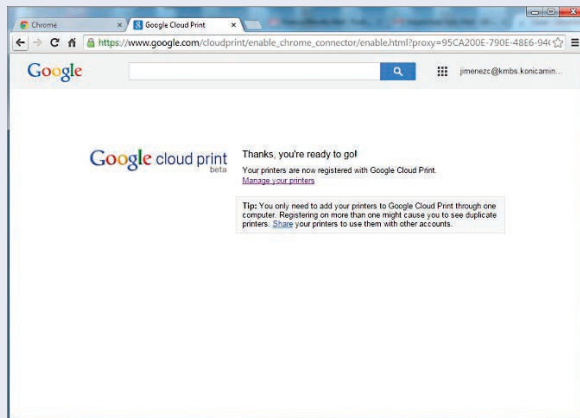
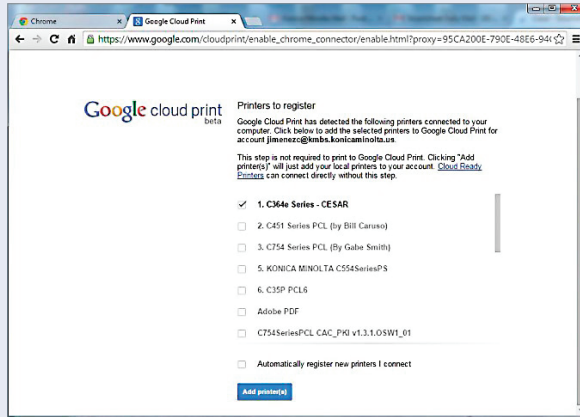
5. Select **Google Cloud Print**
and go to **Manage**



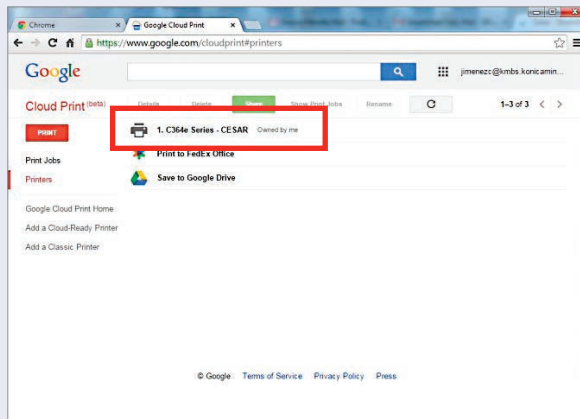
6. Select **Add a Printer**



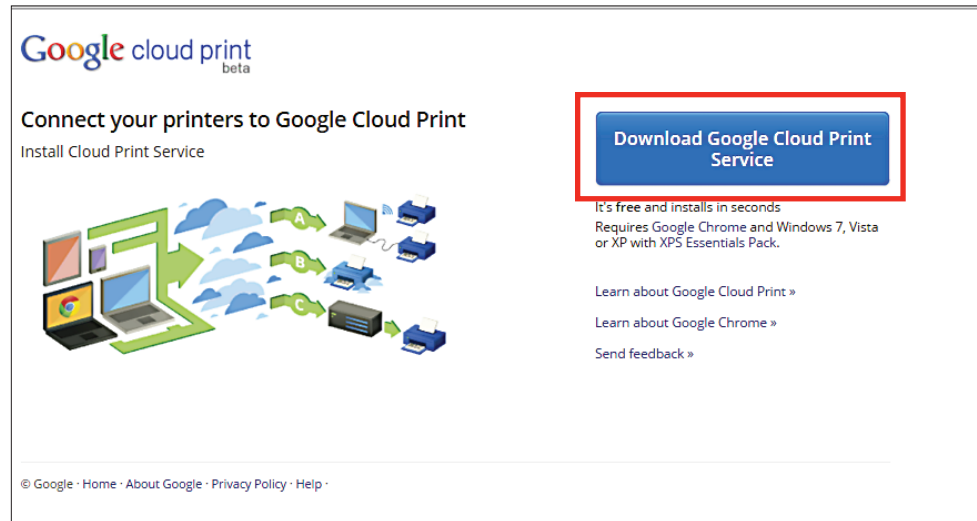
7. From the **List of Printers**, select which printer you want associated to your account and select **Add Printer** at the bottom of the screen.



8. The Printer is now added to your Google Cloud Account



DEDICATED GOOGLE CLOUD PRINT SERVER FOR SUPPORTING GOOGLE CLOUD CLASSIC PRINTER



INSTALL CLOUD PRINT SERVICE

An alternative solution is available for Windows-based PC/servers allowing Google Cloud print to run in the background as a Windows Service, thereby eliminating the security concern for leaving the email accounts unattended. Installation is easy. Download and install this free connector from the Google site and enter the proper Google credentials. This allows all locally installed Windows printers to be published on a Google Cloud print account without the need for the Chrome Browser.

Link to download the Windows connector: <https://tools.google.com/dlpage/cloudprintservice>

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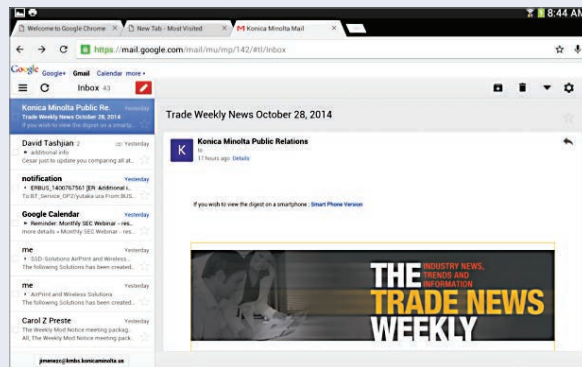
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GOOGLE CLOUD PRINTING – CLASSIC PRINTER

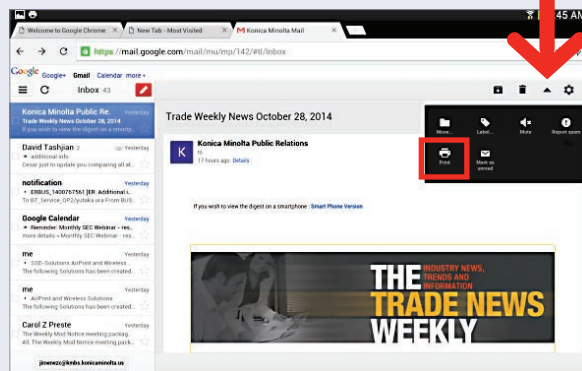
METHOD 1

1. From your Mobile device, open **Chrome** and login to your **Google Account**

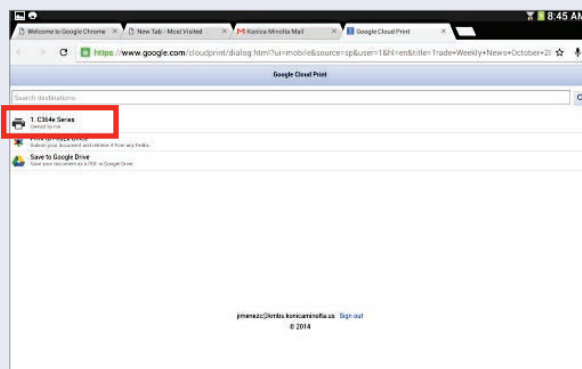
Note: In the screenshot example, the user is logged into their Konica Minolta Google Mail.



2. Select the drop down and choose **Print**



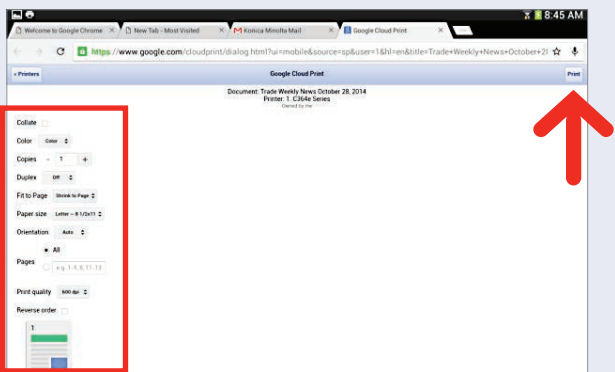
3. Select your printer



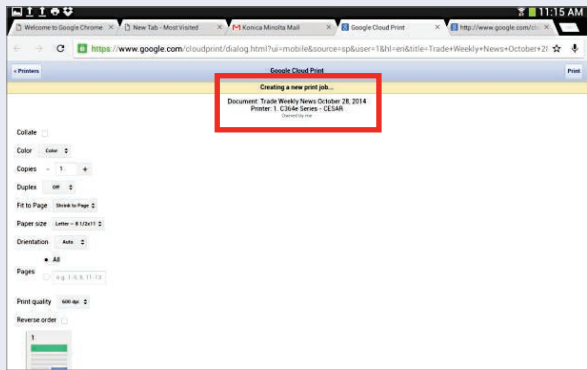
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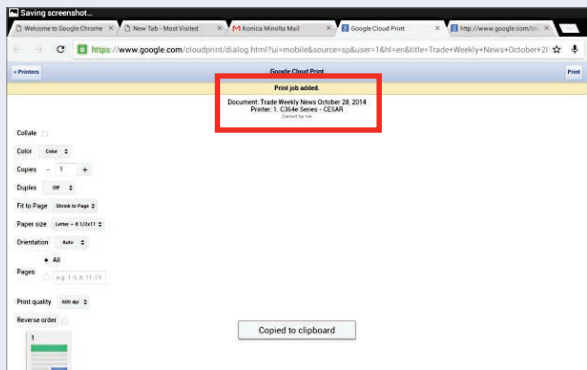
4. Select your **Custom Output Settings** and select **Print**



5. A new job is created



6. The print job is added

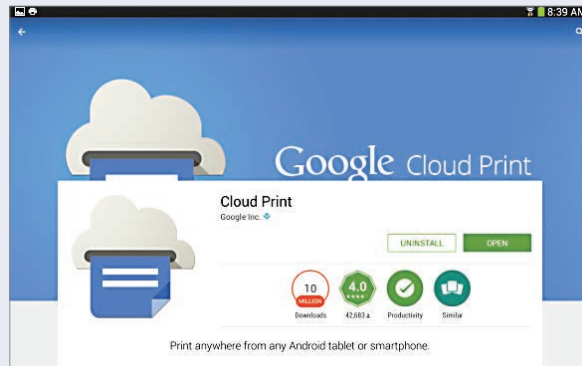


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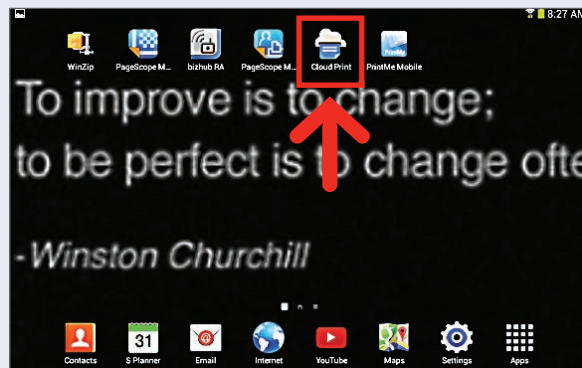
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METHOD 2

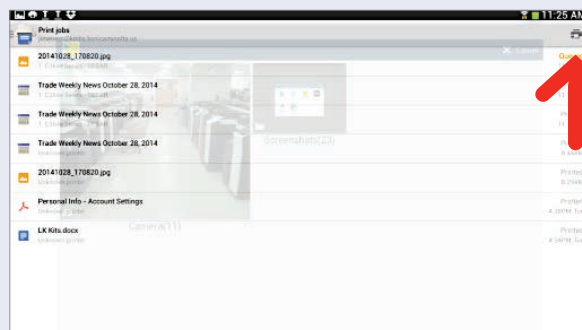
1. On your Mobile device,
download and install
the **Google Cloud Print App**



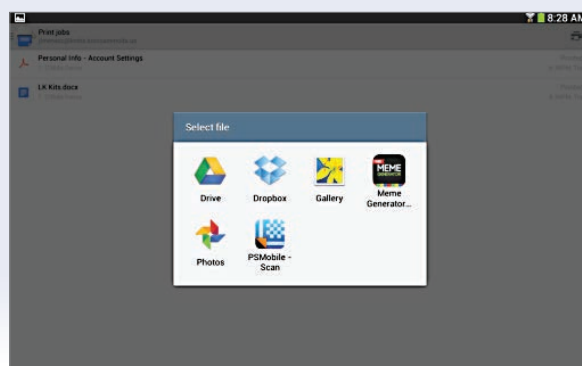
2. Launch **Cloud Print**



3. Select the **Printer** icon



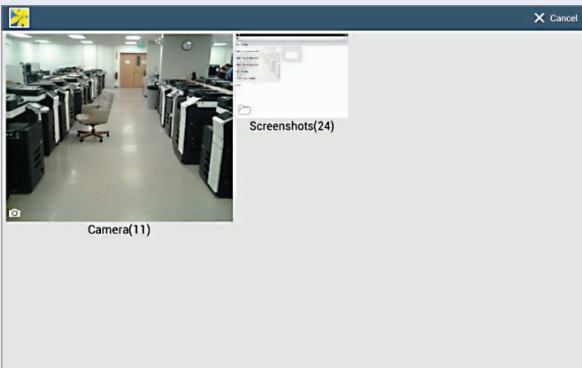
4. Select the location where
your file or picture resides



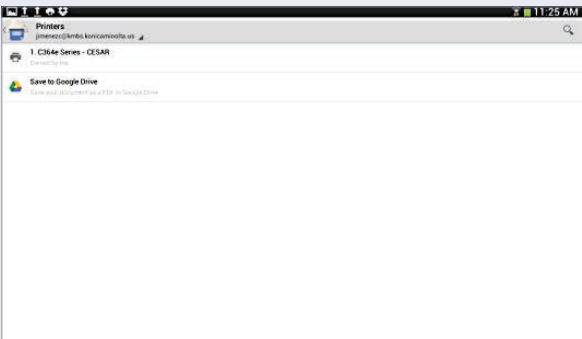
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COMPACT MFP MOBILE SOLUTIONS

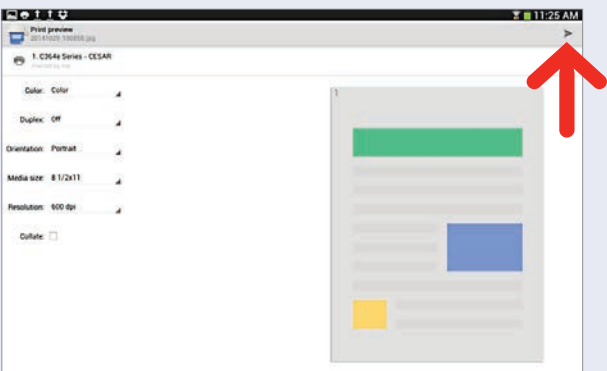
5. Select your picture (or file)



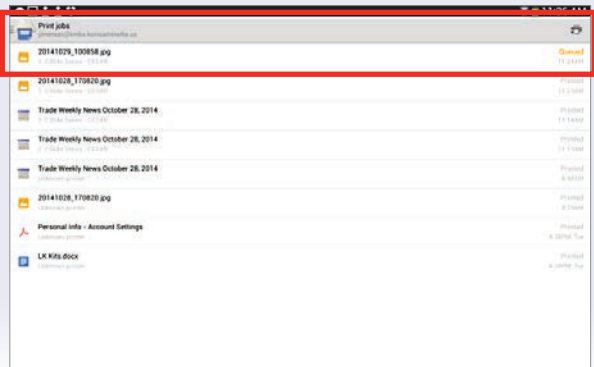
6. Select your printer.



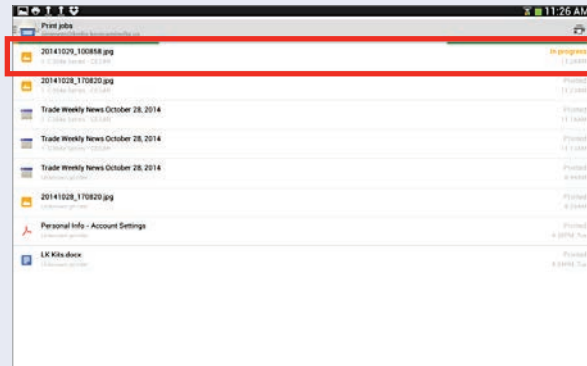
7. From the **Print Preview** screen, make your custom output changes and select the right arrow to send your print job



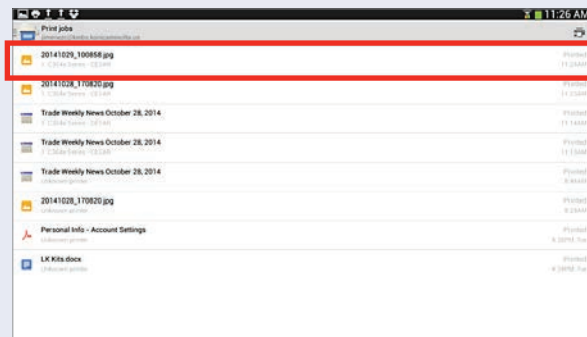
8. Job is now queued

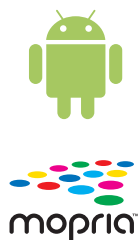


9. Job is in progress



10. Job is printed





Mopria Print Service

The Mopria Print Service App enables printing from your Android KitKat (4.4 or higher) smartphone or tablet to Mopria™-certified printers and MFPs from any manufacturer that becomes a member and meets the established criteria.

Easily print photos, web pages and documents when your mobile device is connected to a Mopria-certified printer through a wireless network. Control print settings including color, number of copies, paper size and orientation.

Simply download the new Mopria Print Service from Google Play and experience the new way to print from any print enabled Android App (does not apply to iOS mobile devices).

When you have a photo or document you need to print, simply select **Print** from the **Main Menu** ► **Select Printer**. Your mobile device will automatically discover all the printers you can access. Choose the printer you want from the list. You will have the ability to change print settings. Tap the print button and your page will be printed by the Mopria certified device.

The Mopria Print Service App is the result of the Mopria Alliance, a non-profit membership organization of prominent global technology companies that want to provide an easy and intuitive means of printing wirelessly from mobile devices.

MOPRIA ALLIANCE GOALS

- Develop industry-wide mobile printing compatibility
- Implement proven and recognized technologies
- Offer industry-wide, common user experience

In pursuit of these goals, the Mopria Alliance members established four key components to facilitate the use of mobile printing:

- **Connection** – Ability to connect to printers using multiple methods
- **Print System** – Must be based on Industry Standard Protocols, built into the operating system, no special Apps required and must allow printers to be discovered before establishing peer-to-peer network connection to a printer
- **User Experience** – Established alliance guidelines stipulate MINIMUM requirements
 - Keep user interfaces easy
 - Consistent & intuitive interfaces
 - Printer User Interface must provide list of printers available, print button available when printer is selected, minimum set of print options and design should match mobile user's routine
- **Open Application Programming Interface (API)** – Open Application Programming Interface must be SIMPLE and Mobile App Developers have to be able to integrate print functions in their apps with nominal effort.

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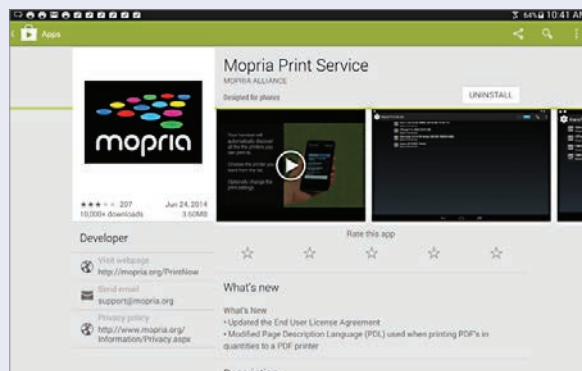
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PREREQUISITES

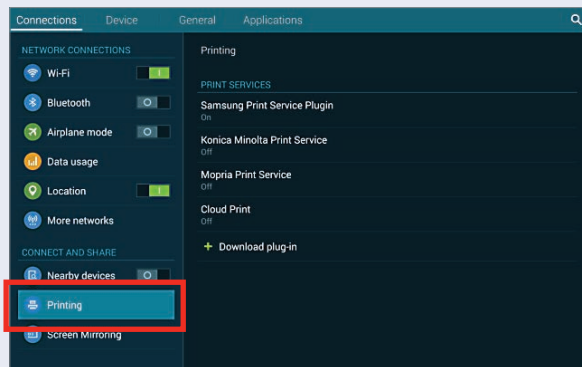
- bizhub MFPs and printers must be equipped with the proper firmware levels
- bizhub C3850FS/C3850/C3350 – NC-P03 Wireless Network Interface
+ MK-P06 Mount Kit for NC-P03 and firmware level 30G0-515 or above
- bizhub 4750/4050 – NC-P03 Wireless Interface and firmware level A6F730G0516-999 or above
- bizhub 4700P/4000P – NC-P01 Wireless Network Interface and firmware level LW41.PR*.P454 or above
- bizhub 3300P – NC-P01 Wireless Network Interface and firmware level LW41.PR*.P454 or above
- Wi-Fi Connectivity
- Android OS (KitKat) 4.0 or higher

SETTING UP AND CONFIGURING MOPRIA PRINT SERVICES

1. From the **Google Play Store**, download and install **Mopria Print Service** on your Android 4.4 device



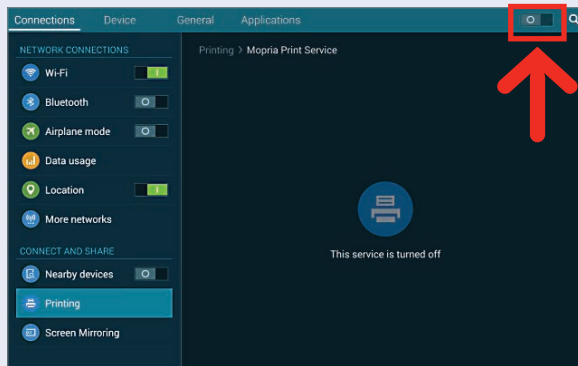
2. On your Android 4.4 tablet or phone, go to **Settings** (not “Google Settings”, just “Settings”)
3. Select **Printing**



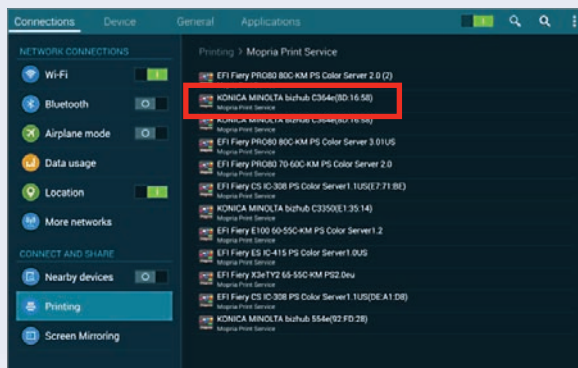
bizhub MFP Mobility Job Shops

COMPACT MFP MOBILE SOLUTIONS

- #### 4. Enable **Mopria Print Service**

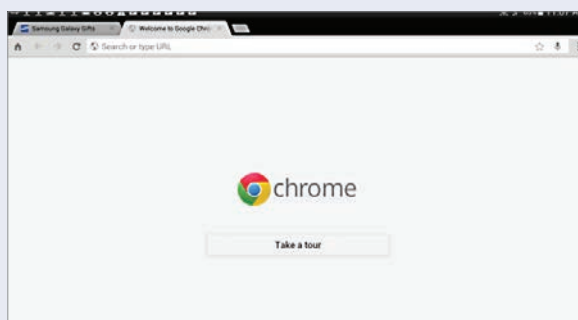


5. All your available Wi-Fi Printers are now available

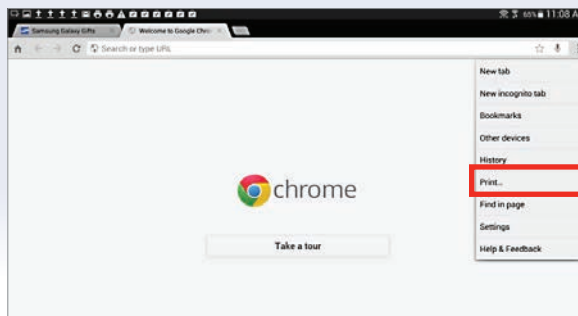


PRINTING USING MOPRIA PRINT SERVICES

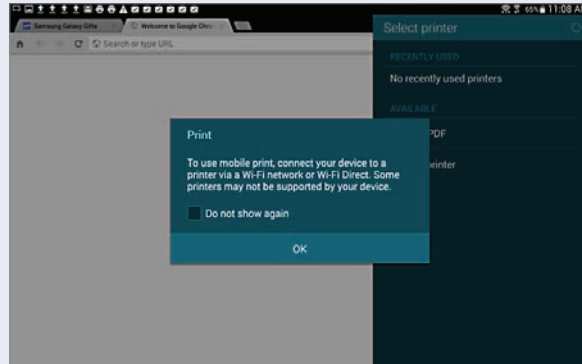
- ## 1. Launch **Chrome**



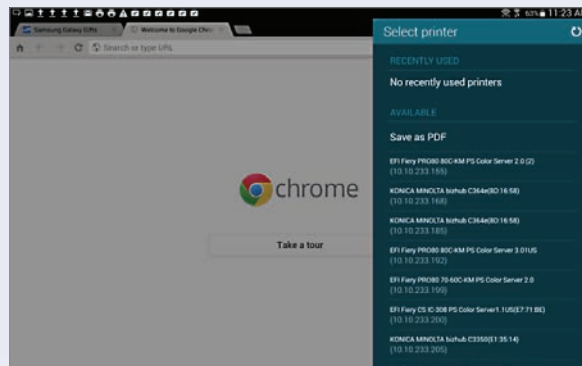
2. From the drop down, select **Print**



3. Select your **Printer**



4. Select your **Output Settings** and select **Print**



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AirPrint Via AP Mode

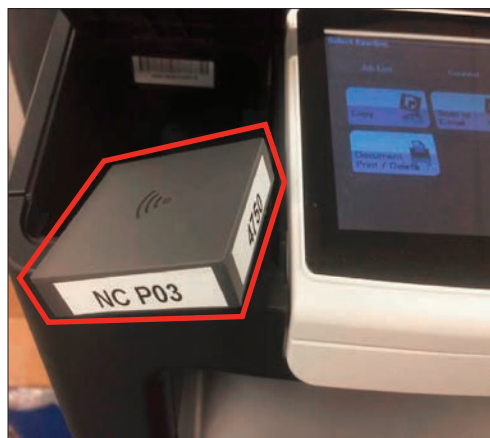
bizhub 4750 AIRPRINT VIA AP MODE

Note: AirPrint via Access Point Mode are similar for other bizhub compact MFPs.

Firmware Requirements/ROM Version

- Controller ROM Version A6F730G0515-999
- Engine ROM Version A6F750G0300-999
- Boot ROM Version A6F799G0100-999
- Panel ROM Version A6F702G0131-999
- Scanner ROM Version A6F723G0102-999
- **Required Option:** NC-P03 Wireless Network Interface, Item #A6WRWY1

NC-P03 LOCATION



SETUP INSTRUCTIONS – bizhub 4750 AirPrint VIA AP (Access Point)

The following steps must be performed by an authorized Konica Minolta Service representative (after the NC-P03 Wireless Network Interface has been installed).

1. Install required firmware level (listed on page 70)
2. Enable the following **DIP SW Settings**:
 - a. DipSW No. 168 (0x01)
 - b. DipSW No. 13 (0x04)
3. Go to **Service Mode ▶ Page 2 ▶ 2nd Network Card Settings ▶ Installed**
4. Go to **Service mode ▶ System 1 ▶ Marketing Area ▶ Wireless LAN Destination ▶ USA**
Note: Enable AirPrint via the Control Panel or Web browser under Network.
5. **Administrator Settings ▶ Network Settings ▶ Page 2 ▶ Extended Network Settings ▶ Network Interface Settings**:
 - a. Wired LAN only
 - b. Wireless LAN (Client Mode)
 - c. Wireless LAN (AP Mode)
6. The MFP will reboot: **Restarting** will appear on the Control Panel Display
7. After the Rebooting process is complete, Press **Utility ▶ Administrator Settings ▶ Network Settings ▶ Page 2 ▶ Extended Network Settings ▶ AP Mode Settings ▶ SSID**

Note: SSID (Service Set Identifier) is a unique ID that consists of 32 characters and is used for naming wireless networks.



8. Press **Authentication/Encryption Algorithm**
9. Press **Algorithm Selection**

10. Select **Algorithm Setting**

and tap **OK**

- a. No Authentication/
Encryption
- b. WEP
- c. WPA-PSK (AES)
- d. WPS2-PSK (AES)

11. Touch **Close**

12. Touch **Wireless Channel**

13. If you exited out to the main screen, Touch **Administrator Settings ▶ Network Settings ▶ Page 2 ▶ Extended Network Settings ▶ AP Mode Settings ▶ Wireless Channel: Auto**

14. Select **Auto** and touch **OK**

15. Touch **Close**

16. Touch **AP Mode Settings**

- a. Select **Any Connection**
- b. Select **Allow**

17. Touch **DHCP Server Setting** and make desired selection

- a. Enable Settings
- b. IPv4 Lease Address (enter IP Address Range)
- c. Subnet Mask
- d. Lease Period

Press **OK** after you have made your selection.

18. Touch **Close**

– **OR** –

19. **Administrator Settings ▶ Network Settings ▶ Page 2 ▶ Extended Network Settings ▶ AP Mode Settings ▶ TCP/IP Setting ▶**

- a. Select **IPv4 Setting** (if you are using IP v6, select IP v6)
- b. Touch **IP Address** (this will be the IP Address of the Access Point of the MFP)
- c. Enter **IP Address** and touch **OK**

20. Touch **Subnet Mask**

If WEP Encryption is selected:

Administrator Settings ▶ Network Settings ▶ Page 2 ▶ Extended Network Settings ▶ AP Mode Settings ▶ WEP Key Settings ▶ Key Input Method: (This is how many digits would be available for your passphrase).

If WEP Encryption w/PSK (AES) is selected:

Administrator Settings ▶ Network Settings ▶ Page 2 ▶ Extended Network Settings ▶ AP Mode Settings ▶ WEP Key Settings ▶ Use Key Settings: (This is where you enter your passphrase, you can have up to 4 paraphrases).

21. Enter **Subnet Mask** and touch **OK**
22. Touch **Close** until you get to main menu
23. Reboot the MFP and you're done.

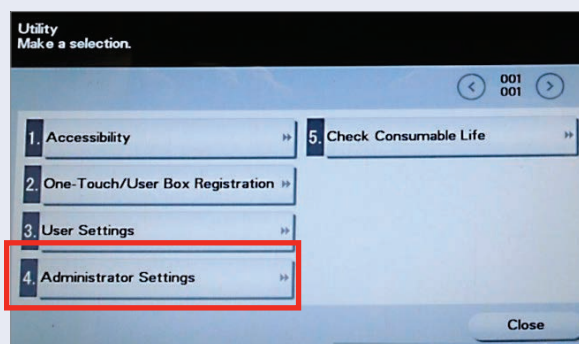
This is what you would see from an iPhone



Enabling AirPrint – Wi-Fi Environment

How to Enable AirPrint in Access Point

1. Touch **Utility**
2. Touch **Administrator Settings**
3. Enter **Administrator Password** and press **OK**

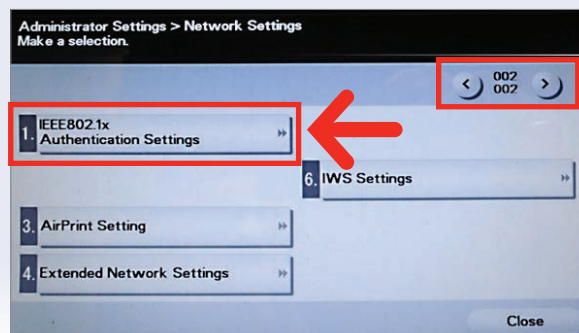
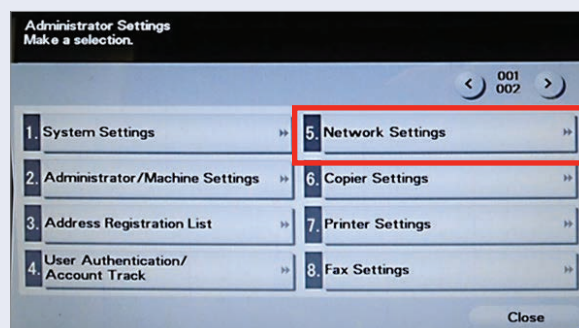


4. Touch **Network Settings**
5. Press **Right Arrow ►** to access **Page 2 of 2**

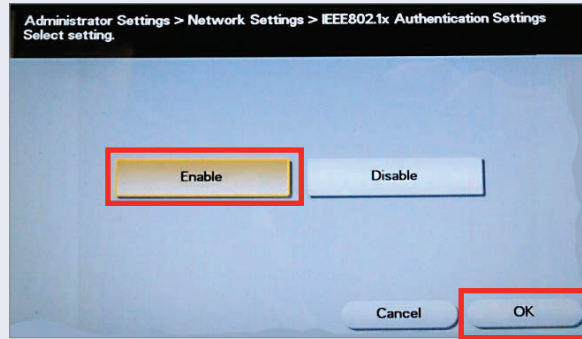
*Please note that the next step is **Optional**. Proceed with **Step #6** if you wish to **Enable Authentication**.*



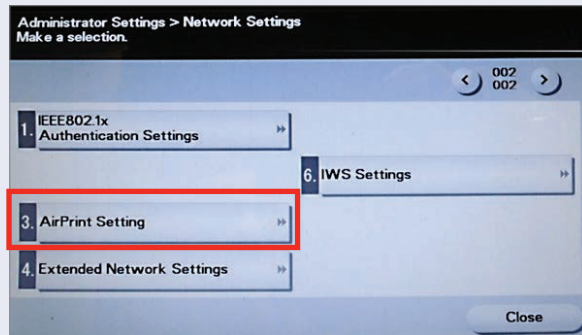
6. Touch **IEEE. 802.1x Authentication Settings**



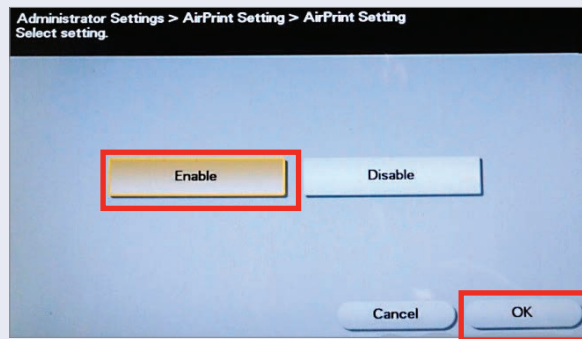
7. Touch **Enable** and press **OK**



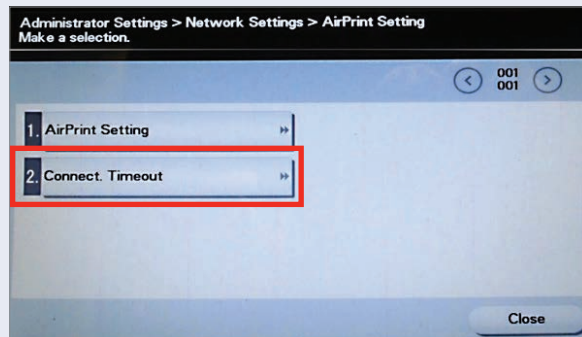
8. Touch **AirPrint Setting**



9. Touch **Enable** and **OK**



10. Touch **Connect Timeout**

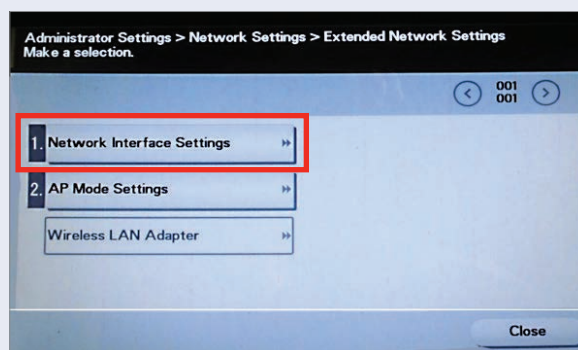


11. Use the default setting or adjust the Value by incrementing ► (+) or ► (–) and ► select.

12. Press **OK** and press **Close**

13. Return to **Network Settings**
Page 2 of 2 and select
Extended Network Settings

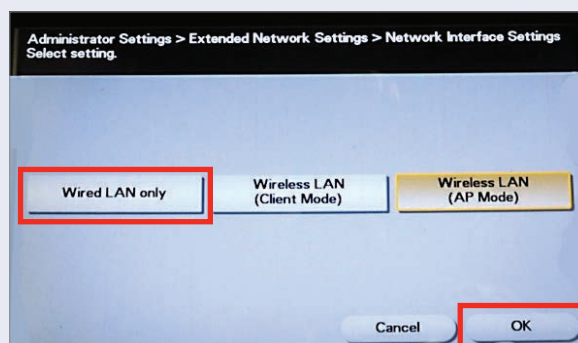
14. Touch **Network Interface Settings**



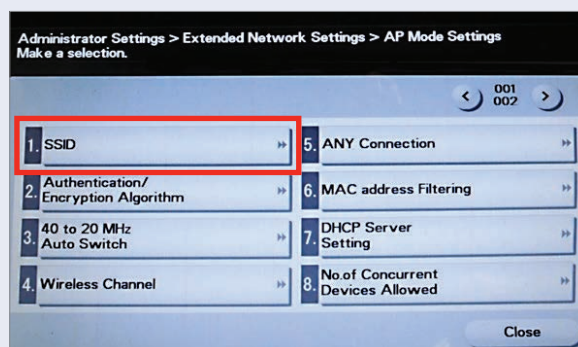
15. Touch **Wireless LAN (AP Mode)** to set device as an **Access Point**
16. Select **OK** (Engine will restart and bring you back to the main screen)

*If you need to get back to this section, touch **Utility** ►*

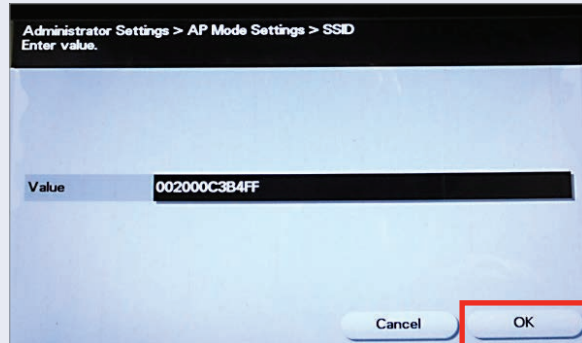
Administrator Settings** ► **Enter Password** ► **Network Settings** ► **Page 2 of 2** ► **Extended Network Settings** ► **AP Mode Settings



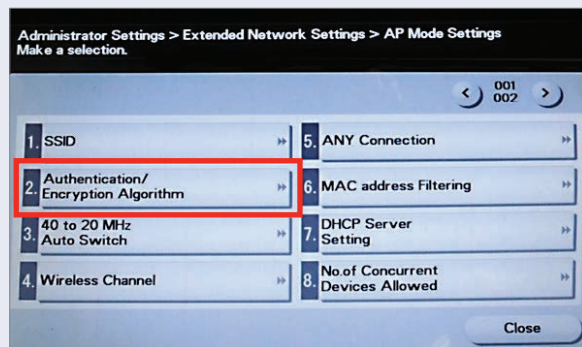
17. Touch **SSID** (enables you to program AP Mode settings)



18. Use the **Default SSID** or enter a customized SSID Name and press **OK**



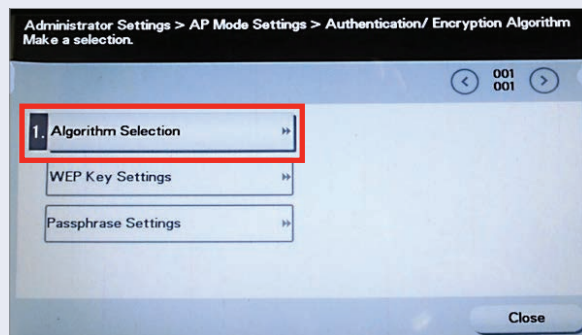
19. From the **AP Mode** menu, touch **Authentication Encryption Algorithm**



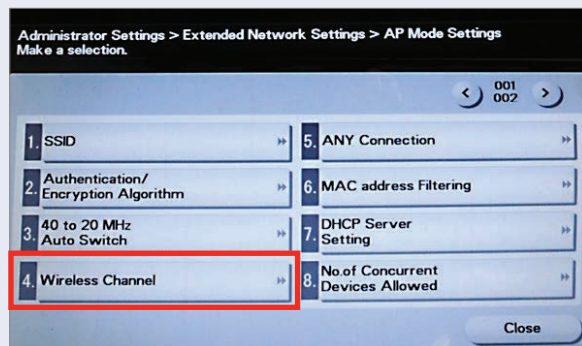
20. Touch **Algorithm Selection**

21. Select desired **Algorithm** and select **OK**.

*Note: To simplify the initial installation process, **Select ► No Authentication While Setting the MFP.***

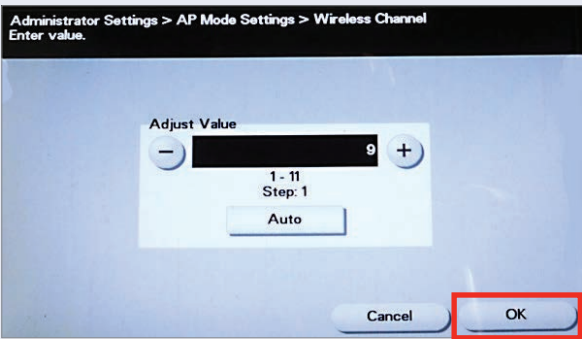


22. From the **AP Mode Settings** screen, select **Wireless Channel**

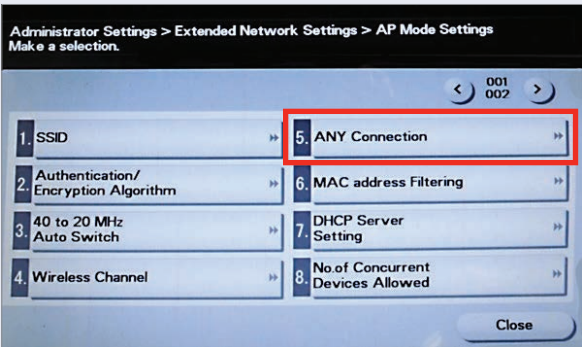


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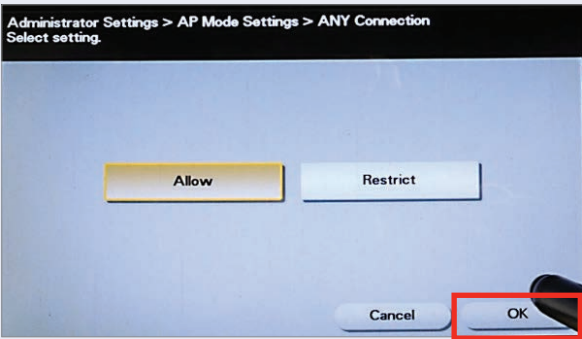
23. Enter a value using the minus (–) and plus (+) signs or select **Auto** and press **OK**



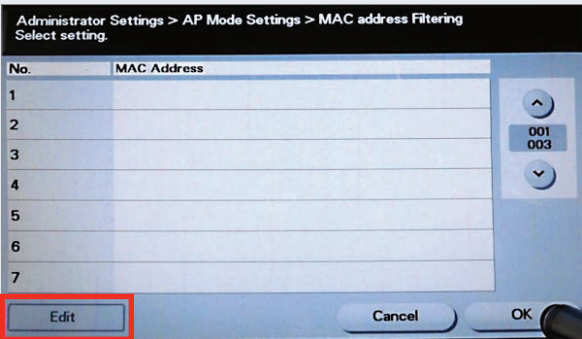
24. From the **AP Mode Settings** screen, touch **Any Connection** (from **Administrator Settings**, touch **Extended Network Settings** ► **AP Mode Settings** ► **Any Connection**)



25. Touch **Allow** and press **OK**



26. If MAC Address Filtering is required, touch **MAC Address Filtering** from the **AP Mode Settings** menu (or from **Administrator Settings**, touch **Extended Network Setting**. Touch **AP Mode Settings**, touch **MAC Address Filtering**)



27. Select available slot (No. 1, 2, 3, 4, 6, 7) and select **Edit**

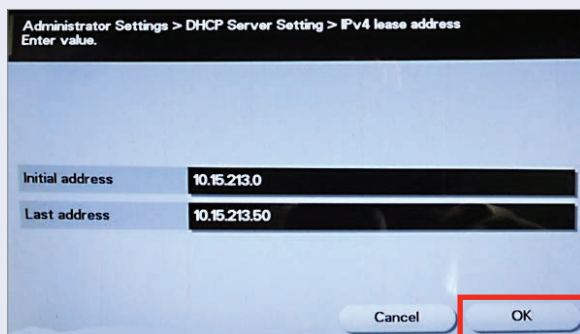
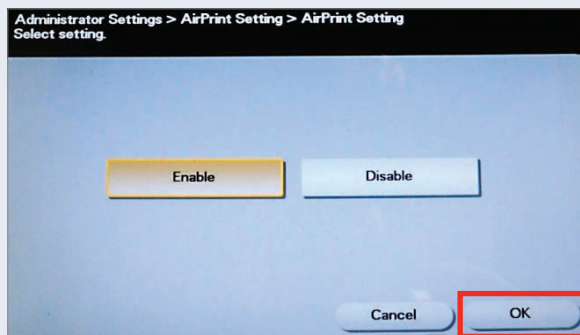
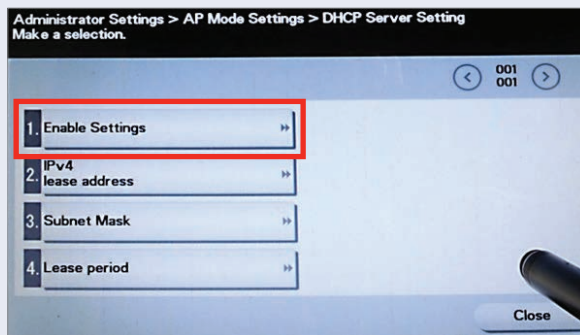
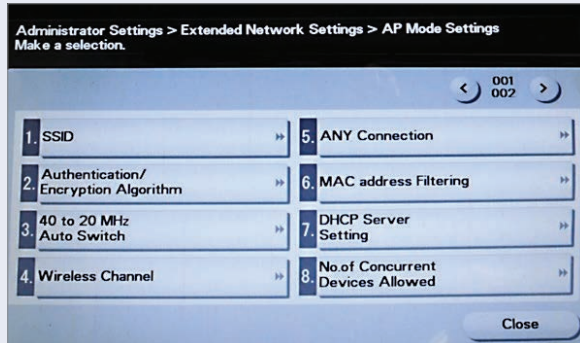
28. Enter **MAC Address** and press **OK**

29. To set the **DHCP Server** to allow Mobile devices to join the MFP access point, touch **DHCP Server Setting** from the **AP Mode Settings** menu (**Administrator Settings ► Extended Network Setting ► AP Mode Settings ► DHCP Server Settings**)

30. Touch **Enable Settings**

31. Touch **Enable** and press **OK**

32. Enter a valid **IP Address** range and press **OK**



33. Touch **Subnet Mask**
(Administrator Settings ► DHCP
Server Setting ► Subnet Mask

34. Enter a valid **Subnet Mask**

Note: Most AirPrint supporting devices will not connect if an erroneous IP/Subnet mask are used; Valid Class A, B or C is required.

35. Press **OK** and press **Close**

36. From the AP **Mode Setting** screen, touch **No. of Concurrent Devices Allowed** (Administrator Settings ► Extended Network Setting ► AP Mode Settings ► No. of Concurrent Devices Allowed)

37. Enter the value/number of concurrent devices using minus (–) and plus (+) signs

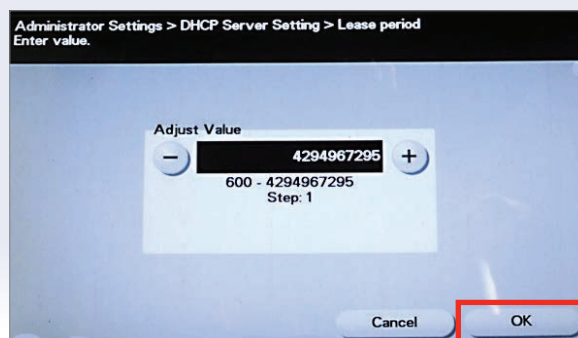
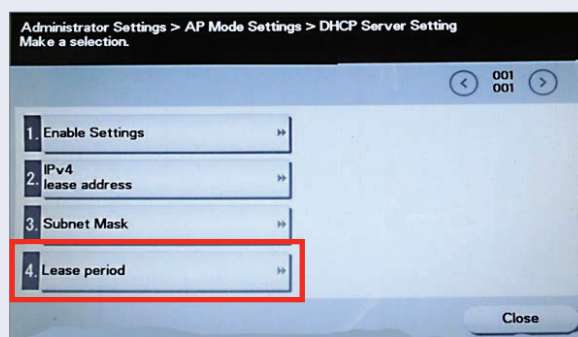
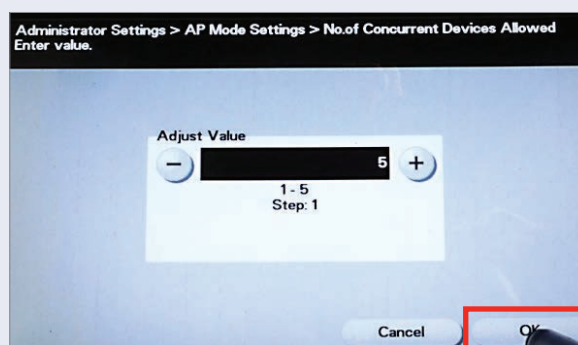
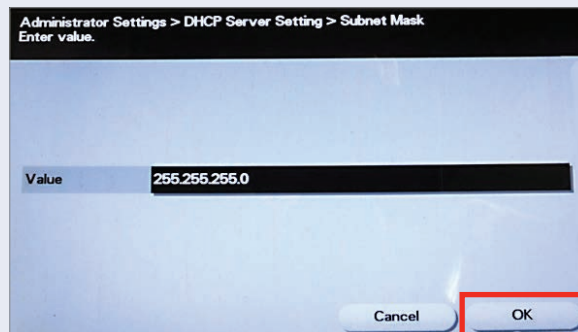
38. Press **OK**

39. Touch **DHCP Server Setting**

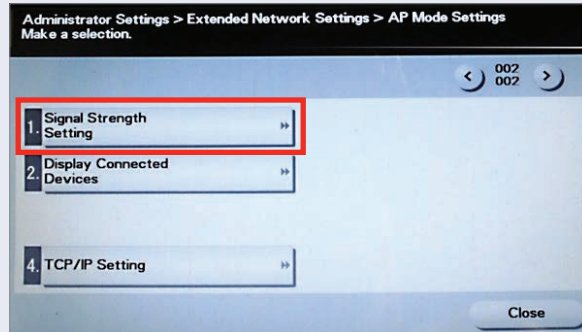
40. Touch **Lease Period**

41. Adjust the lease period values using the (–) or (+) and select **OK** to apply and then press **Close**.

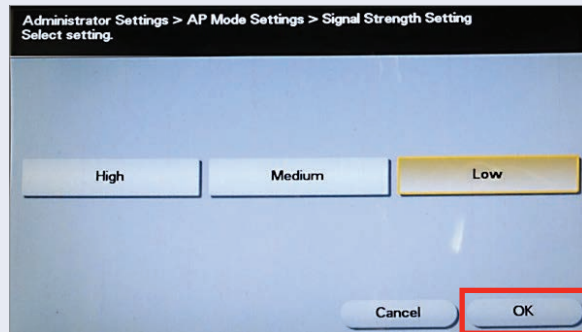
42. From **Administrator Settings** ► **Extended Network Setting** ► touch **AP Mode Settings Screen** ► touch ► to access **Page 2 or 2**



43. Touch **Signal Strength**

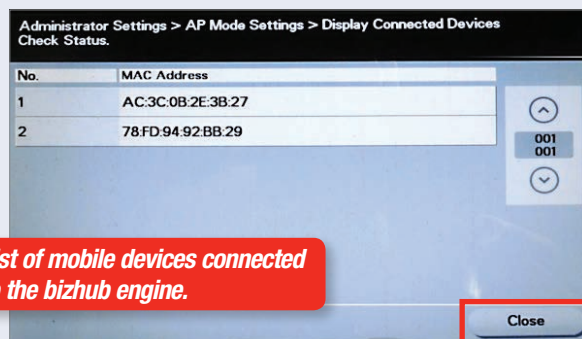
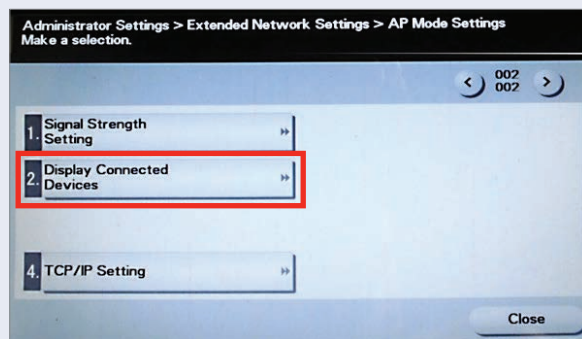


44. Select the desired **Signal Strength** setting, touch **OK** to apply (Medium is the recommended setting).

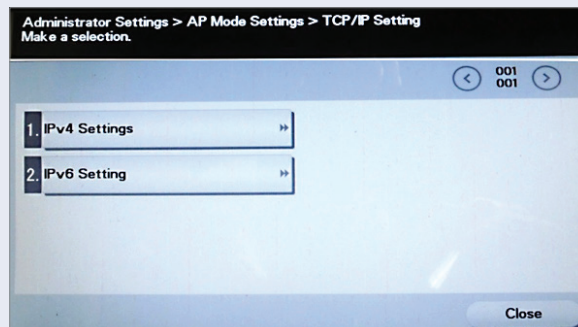


45. Touch **Display Connected Devices** (Administrator Settings ► Extended Network Settings ► AP Mode Settings)

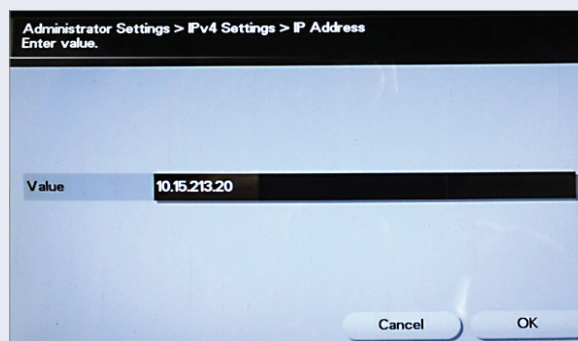
*This is an optional step but recommended in order to confirm all connected mobile devices.
Touch **Close** to exit.*



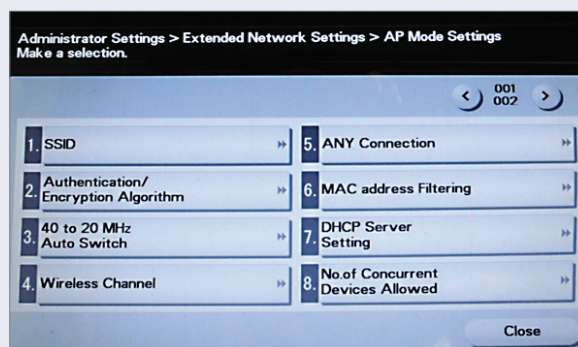
46. Touch **TCP/IP Setting** – to use the AirPrint in Access Point configuration it is important to set the MFP's **IP Address (Administrator Settings ► Extended Network Setting ► AP Mode Settings ► TCP/IP Setting**



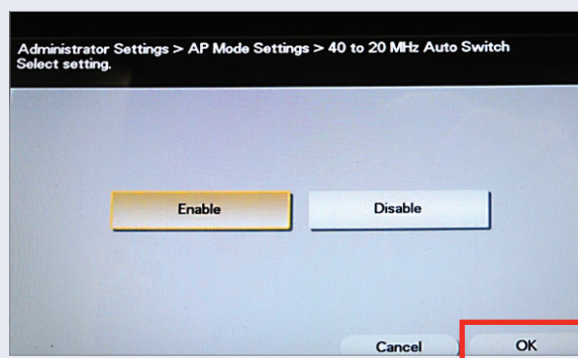
47. Select **IPv4 Settings** (or IPv6 settings depending on the network configuration)
- For IPv4
 - Touch **IP Address**
 - Enter **Value** and press **OK**
 - Press **Close**
 - Access **Page 1 of 2**



- For IPv6
 - Touch **Link-Local Address**
 - Enter **Address**
 - Press **OK**
 - Press **Close**
 - Access **Page 1 or 2**



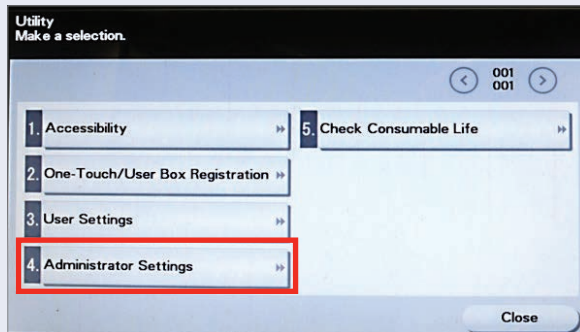
48. Touch **40 to 20 MHz Auto Switch** (**Administrator Settings ► touch Extended Network Setting ► AP Mode Settings**



49. Touch **Enable** and touch **OK** to apply and exit

Configuring Wi-Fi (Wi-Fi Client)

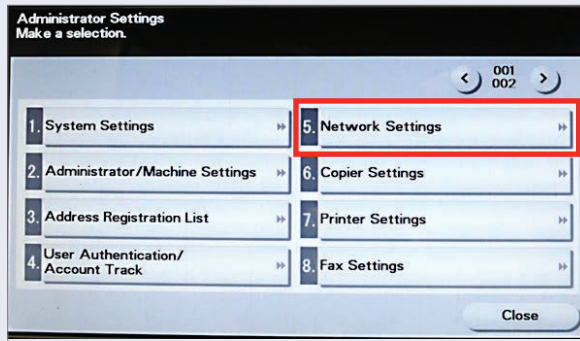
1. Touch **Utility** ► touch
Administrator Settings



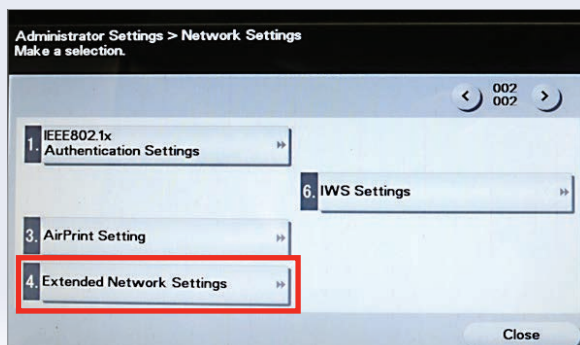
2. Enter the **Administrator Password**



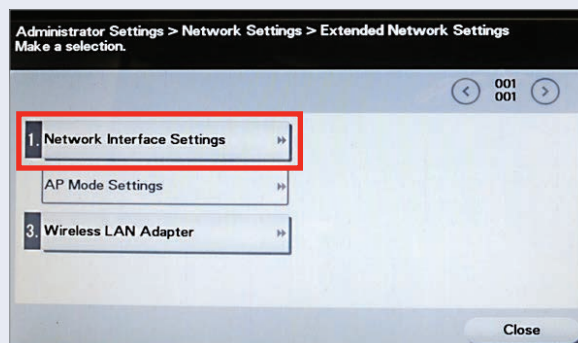
3. Touch **Network Settings**



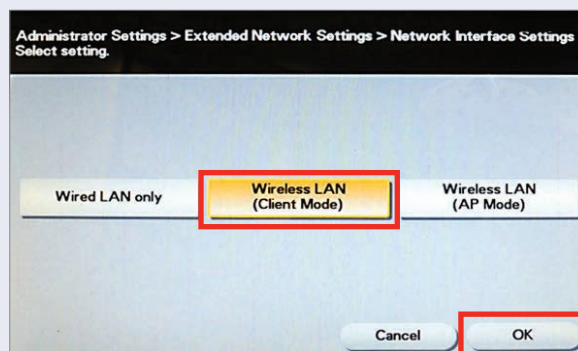
4. Press ► to access **Page 2 of 2**
5. Touch **Extended Network Settings**



6. Touch **Network Interface Settings (Administrator Settings ► Network Settings ► Page 2 of 2 ► Extended Network Settings ► Network Interface Settings)**

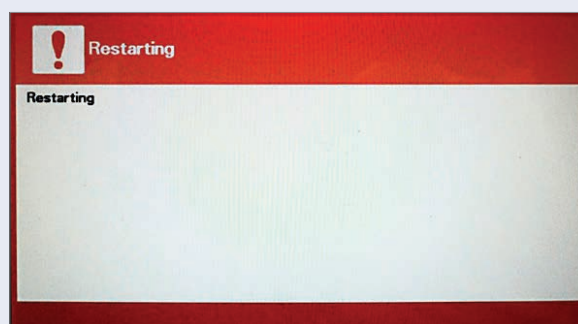


7. Touch **Wireless LAN (Client Mode)** and touch **OK** to apply and exit.

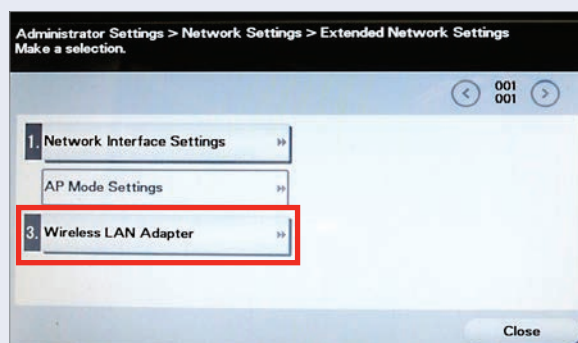


8. Press **OK**

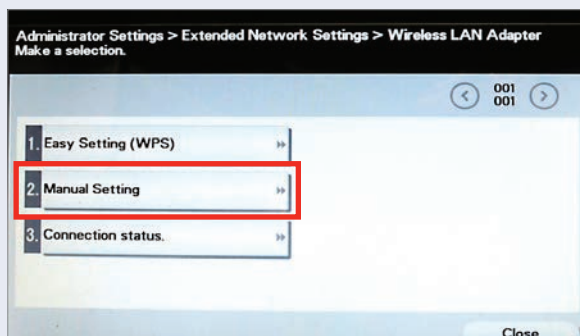
9. Wait for the MFP to restart and resume settings from the same menu (**Extended Network Settings ► touch Network Interface Settings**)



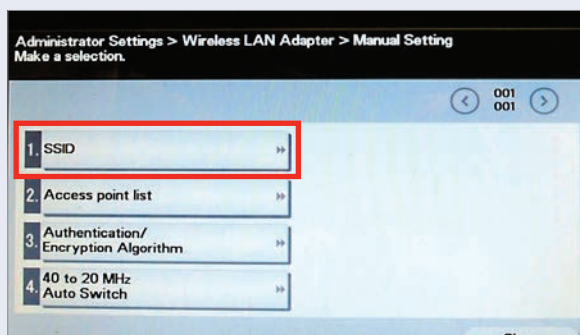
10. To set the **Wireless Client**, touch **Administrator Settings ► touch Network Settings**, touch **Extended Network Settings ► touch Wireless LAN Adapter**



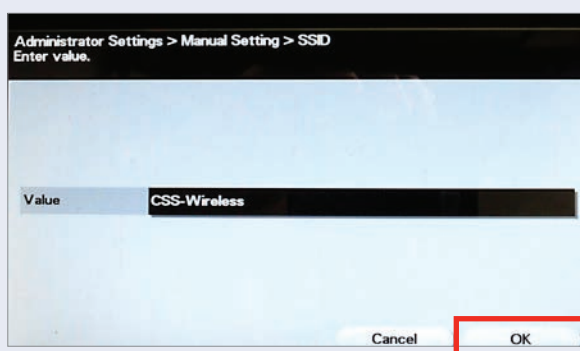
11. Touch **Manual Setting**



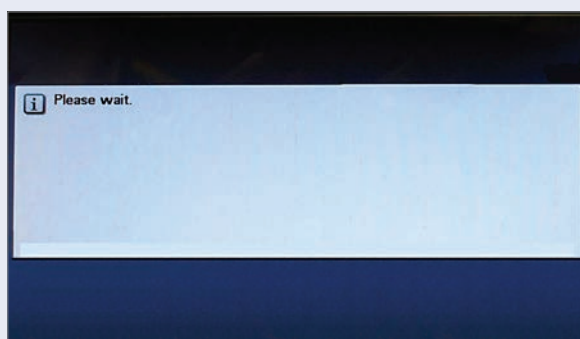
12. Touch **SSID**



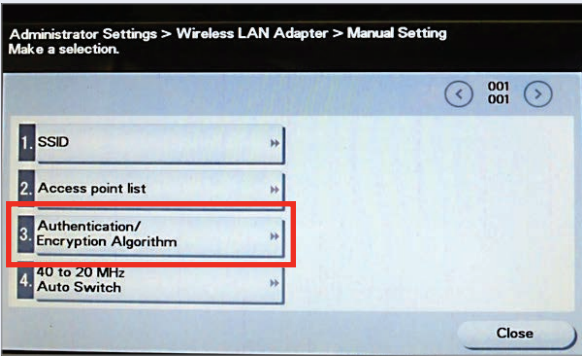
13. Enter **Desired SSID Name**
and press **OK**



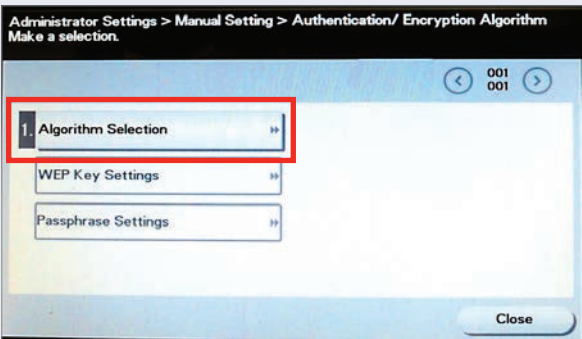
14. Wait for the processing to end



15. Touch **Authentication/Encryption Algorithm** ► **Algorithm Selection**

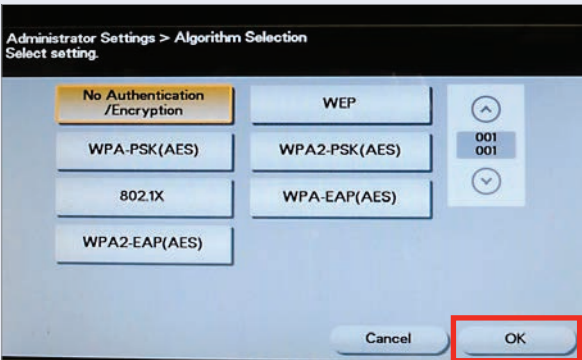


16. Touch **Algorithm**

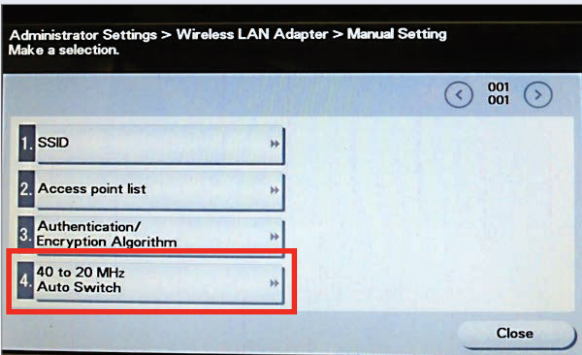


17. Chose the appropriate Encryption method — your selection must match the Wi-Fi Router's settings. Press **OK** to apply

18. Press **Close**.

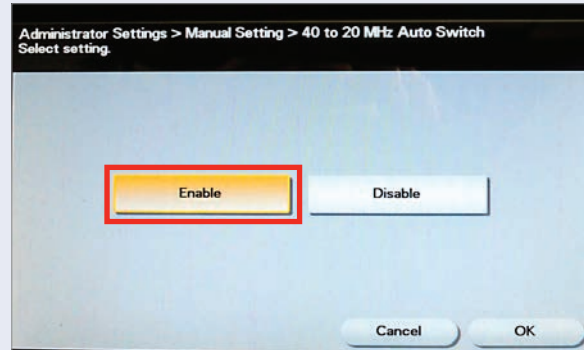


19. Touch **40 to 20 MHz Auto Switch**

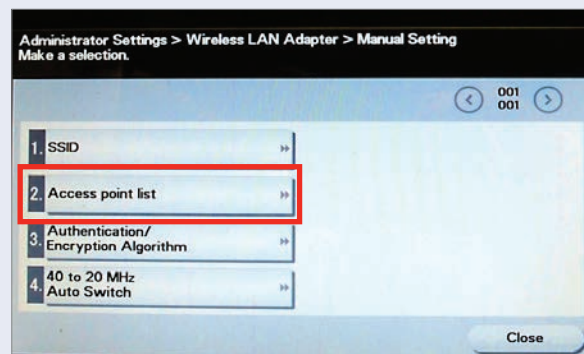


20. Touch **Enable**

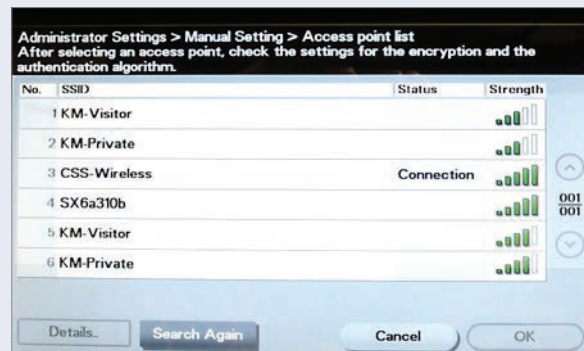
21. Press **OK** to apply



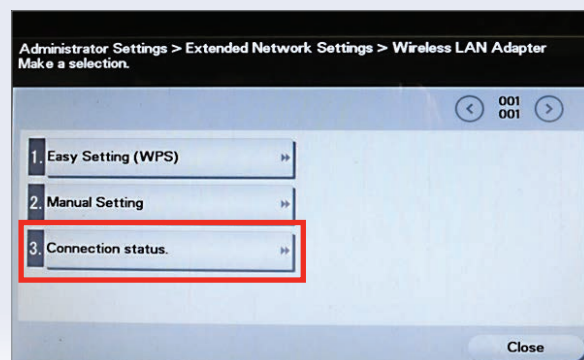
22. To connect to designated **Wi-Fi Router**, touch **Administrator Setting > Extended Network Settings > Wireless LAN Adapter > Manual Settings > Access Point List**



23. Highlight appropriate **Access Point** from the list and press **OK** to apply and exit.



24. To verify the wireless settings, touch **Administrator Settings > Wireless LAN Adapter > Connection Status**

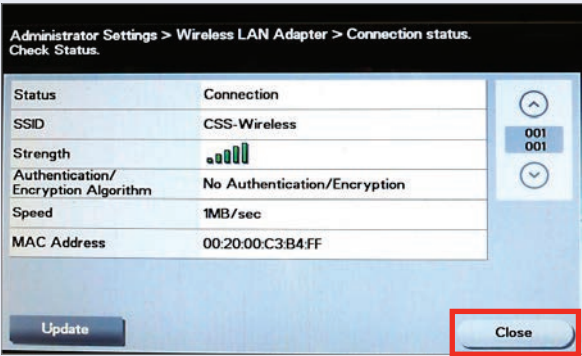


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25. Touch **Check Status**

26. Press **Close**

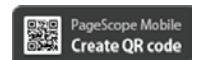


MFP Pairing Via QR Code

Using PageScope Mobile (Apple iOS or Android)

Users can register Compact MFP devices by generating a QR Code via Administrator Mode or via the PageScope Mobile web site (requires a wireless LAN option or wireless configuration). Not all devices can automatically generate a QR Code via Administrative Mode.

This function allows users to easily perform MFP pairing. When PageScope Mobile is installed on an iOS or Android-based mobile device, the user can easily register the MFP. It eliminates the registration steps each user would have to perform — selecting the MFP(s) displayed through the search function or entering the IP address manually. The network information of the MFP, which is required to connect this bizhub to a mobile device, can be displayed as a QR code on the screen of the MFP.



PREREQUISITES

- Models: bizhub C3850/C3350 Series with firmware 30G0-515 or above
- Models: bizhub C3850FS with firmware 30G0-515 or above
- Models: bizhub 4750 Series with firmware A6F730G0516-999 (Version Release 7) or above

OPERATING CONDITIONS

- Only the IPv4 address can be displayed as the IP address stored in the QR code.
- To allow the mobile device to read the QR code, PageScope Mobile must be installed on the mobile device.
- The mobile device must be connected with the wireless LAN access point or connected with the MFP wirelessly.

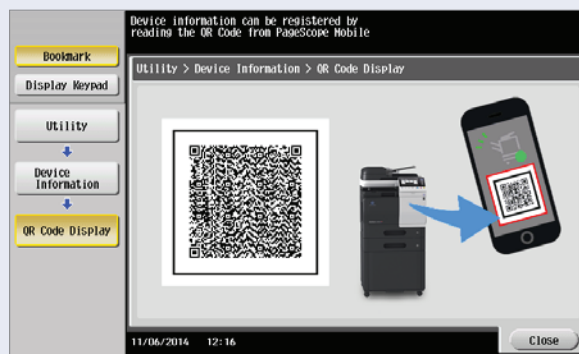
GENERATING A QR CODE

1. Press **Utility** icon on the LCD Home screen (Press the **Menu** key to set the Home screen if necessary)
2. Touch **Administrator Settings**
3. Enter **Administrator Password: 1234567812345678**
4. Touch **OK**
5. Touch **System Connection**
6. Touch **QR Code Setting**
7. Select **Display Setting** and set to **ON** so that QR Code will display

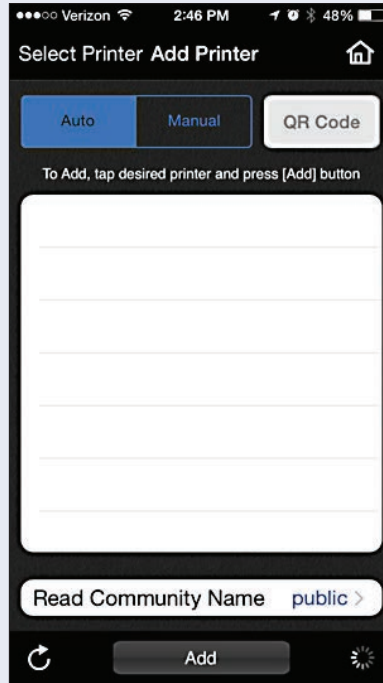
*Please note there is an alternative Method to perform this procedure. Once enabled from **Service Mode**, you can perform the **Administrator Settings** from the MFP Web browser under **System Settings ► System Connection Settings**.*

TO DISPLAY QR CODE AND REGISTER THE MFP TO YOUR MOBILE DEVICE

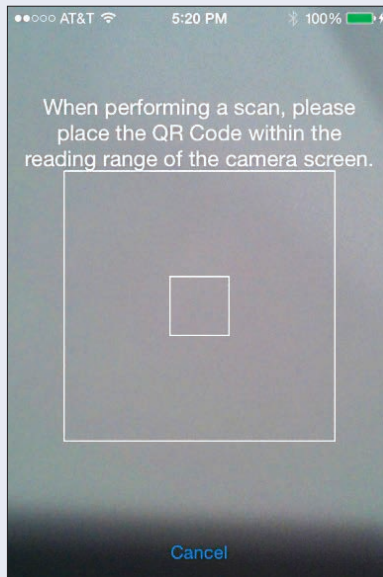
1. Press **Utility** icon on the LCD Home screen
2. Touch **User Settings**
3. Touch **QR Code Display**
To display: **Utility ► User Settings ► QR Code Display**



4. From your mobile device, open the **PageScope Mobile App**
5. Tap **Select Printer**
6. Tap **Add Printer**
7. Tap **QR Code**



8. Align the QR Code within the reading range of the camera screen that appears on your mobile device
9. Upon reading the QR Code, the MFP will be registered and added to list of printers in the PageScope Mobile App on your mobile device.



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COMPACT MFP MOBILE SOLUTIONS

NFC TAG FUNCTIONS SUPPORTED ON bizhub ENGINES

Touch & Print as well as Scanning using NFC (Near Field Communication) are supported with Android-based devices that incorporate NFC technology and bizhub MFP/prINTER(s) that supports NFC technology. Simply by touching an Android device equipped with an NFC antenna to an NFC tag, you can register devices and carry out printing and scanning easily from the device without having to enter any device data.



PREREQUISITES

- An Android device that supports NFC technology
- Android-based mobile device with PageScope Mobile Android App 4.0 (or higher)
- It is necessary to use the NFC Tag Writer app to write the data for the bizhub.
- The NFC Tag Writer app needs to be installed on the Android device which is equipped with an NFC antenna. Refer to the NFC Tag Writer app's help file for details.

NFC Tag Writer can be downloaded free of charge from the Google play.



- NFC Tags are sold separately; Compatible NFC Tags are not sold by Konica Minolta.
- NFC Tag Stickers Recommended (required): **SmartTrac Bullseye Series NXP NTAG 216**
- Wi-Fi Connectivity is required

Note: KONICA MINOLTA does not support writing and reading information using an NFC Tag other than NFC Tags that meet the published specifications.

TESTED ANDROID DEVICES WITH NFC SUPPORT (bizhub ENGINE EQUIPPED with NFC TAG)*

Operation on the following Android OS devices has been confirmed:

- Samsung GALAXY Nexus (OS 4.0)
- Asus Nexus 7 (OS 4.2/4.3)
- LG Nexus 5 (OS 4.4)
- Google Nexus 7 (2013) Tablet – Android 4.4 (KitKat)
(16 GB/7" Tablet/Mfg. Part: NEXUS7 ASUS-2B16-KK)

**The list of NFC-enabled Android devices only represents those that have been tested by Konica Minolta. They are not representative of all Android devices that offer NFC technology. Please ensure that you research or inquire about NFC support before purchasing an Android device. Not all current Android devices on the market support NFC.*

FAQS

Which version of PageScope Mobile supports this Application?

PageScope Mobile for Android Ver 4.0.0 or later is supported.

Where and how do I obtain the NFC Write App?

It can be downloaded from the Google Play Store. Start the Google Play Store Application on the Android OS mobile device and search for "Konica Minolta" or "NFC Tag Writer".

What print formats are supported when using the NFC tag for mobile printing?

- JPEG/PNG/BMP/GIF
- PDF 1.4, 1.5, 1.6, 1.7
- TIFF 6.0
- XPS
- DOCX, XLSX, PPTX

WHAT FUNCTIONS DOES THE NFC TAG SUPPORT

When the PageScope Mobile application is installed on a NFC-compatible Android 4.4 (or higher) terminal, PageScope Mobile reads the NFC tag, which enables a user to easily carry out device registration, printing of data to the device, or scanning data from the device without having to enter information.

On the NFC Tag sticker, you will write device information and print settings in the format defined by KONICA MINOLTA.

To write data to the NFC tag as defined by KONICA MINOLTA, install the NFC Tag Writer application on the NFC-compatible Android device.

Note: The NFC-compatible Android device, both smartphones and tablets, support NFC Tag functions.

Touch to register

The bizhub you are using will be registered in PageScope Mobile for Android.

Touch to run PageScope Mobile for Android

PageScope Mobile for Android will run.

Touch to print

You can print from the screen that you want to print (Web, Email, My Documents)

Touch to scan

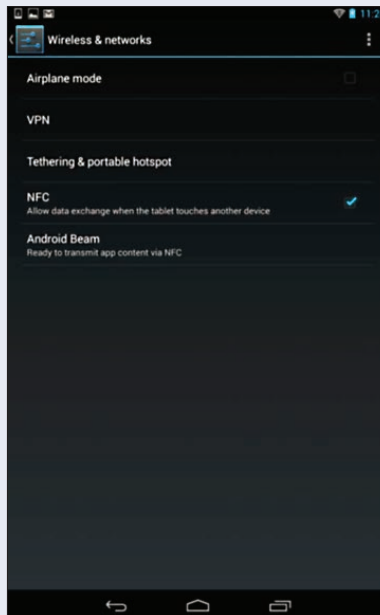
You can save scanned data in My Documents.

Writing to the NFC Tag Sticker

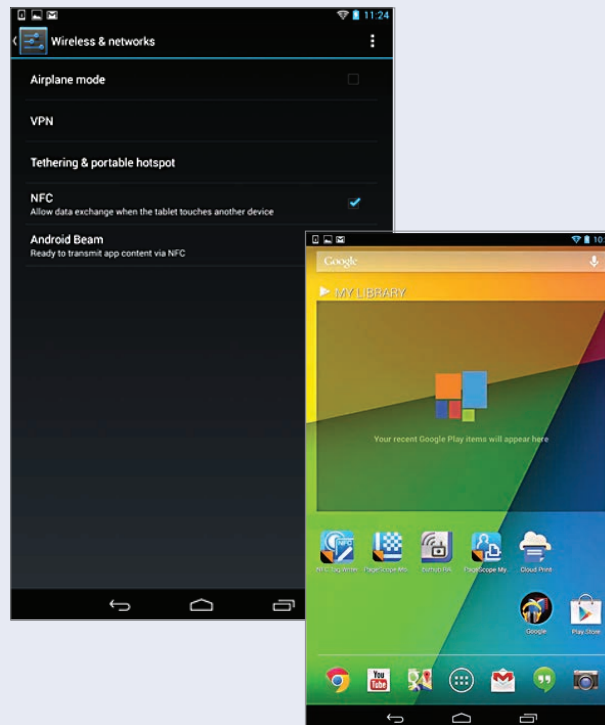
1. Open the **Play Store** and search by **Konica Minolta** or **NFC Tag Writer**
2. Install **NFC Tag Writer**



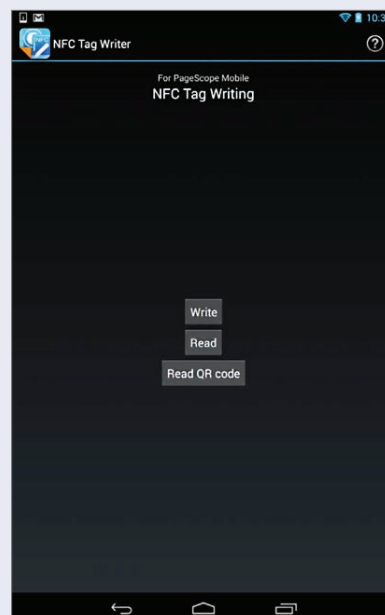
3. Confirm that **NFC Services** is enabled on your Android device (should be located under **Settings ► Wireless Networks ► More**)



4. Launch the **NFC Tag Writer**
You have the options: **Write**,
Read or **Read QR Code**



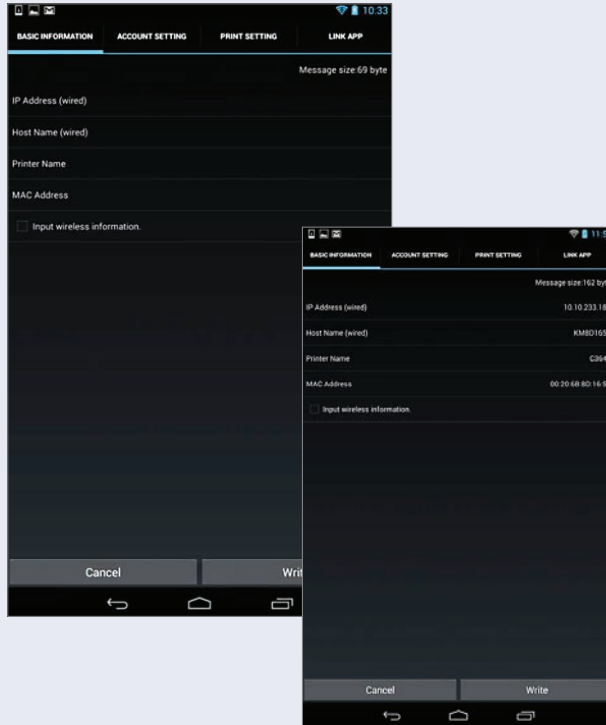
5. Select **Write**
6. Under **Basic Information** you have:
 - a. IP Address (wired)
 - b. Host Name (wired)
 - c. Printer Name
 - d. MAC Address
 - e. Select ☒ Input wireless information



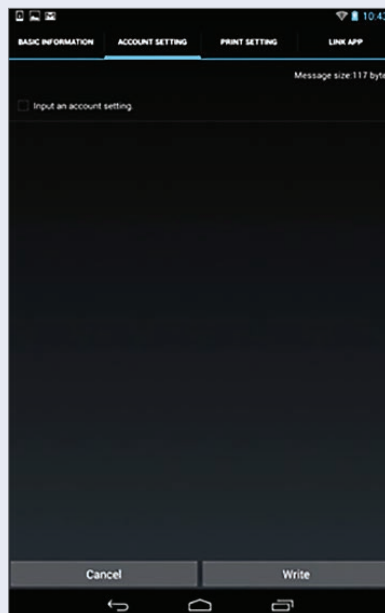
If you are using Wireless, this is the area to enter the required information. Tap the box to select it (a checkmark will appear and the following information will display:

✓ **Input Wireless Information**

Connection Mode
IP Address (wireless)
Host Name (wireless)
SSID
Password
Authentication/Encryption
Algorithm



7. If you are using Account Track, you would enter that information under the **Account Setting** tab



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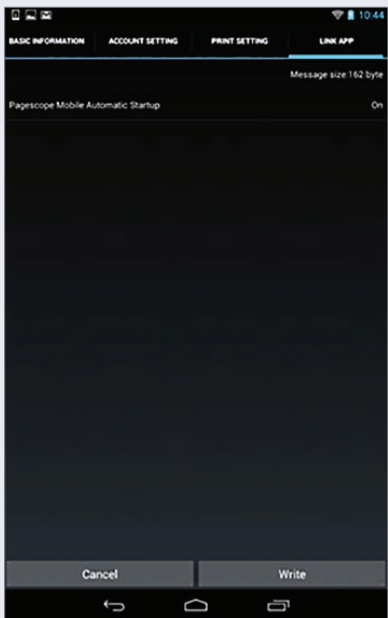
COMPACT MFP MOBILE SOLUTIONS

8. **Default Print Settings**
would be entered under
the **Print Setting** tab



9. Select the **Link APP** in order
for PageScope Mobile to start
when the Android scans a NFC
Tag Sticker.

*SmartTrac-manufactured
"NFC BullsEye NTAG216"
is the officially recommended
NFC Tag for use with
compatible Konica Minolta
bizhub engines.*



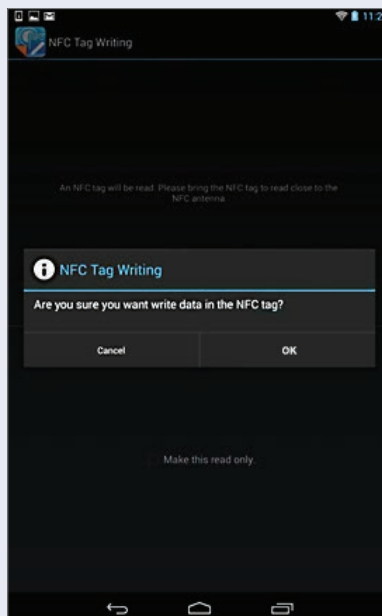
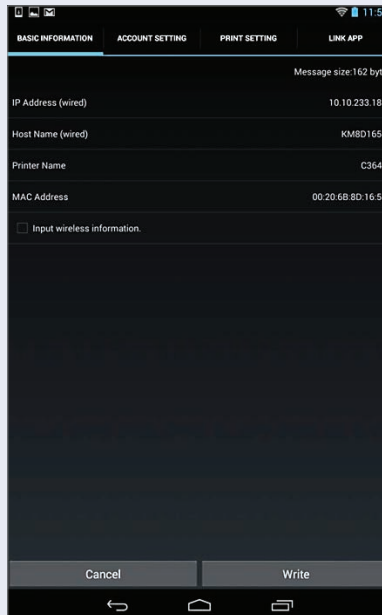
10. Once all your data has been entered, select **Write** located at the lower left side of your screen.

11. Bring your NFC Tag Sticker close to your mobile device to ensure it can be read by the Android mobile device.

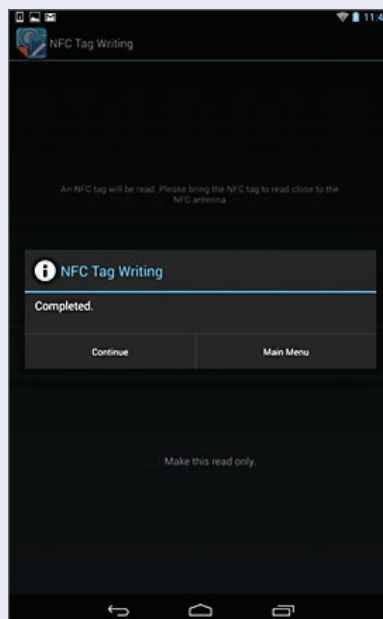
Note: In some cases you may have to place the Android onto the NFC Tag.

12. Once the Android detects the NFC Tag Sticker, the following screens will appear (there is no beep)

13. Tap **OK**

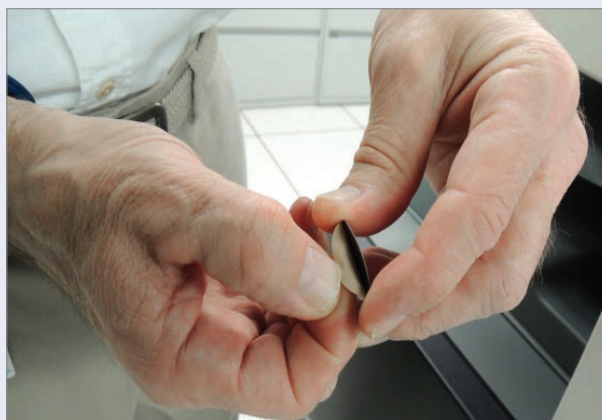


14. Upon successfully writing to the NFC Tag, you will get a message informing you that the NFC Tag programming process is complete. It's now ready for use.



FROM THE MFP

1. Remove the protective paper from the back of the NFC Tag Sticker as shown in the illustration

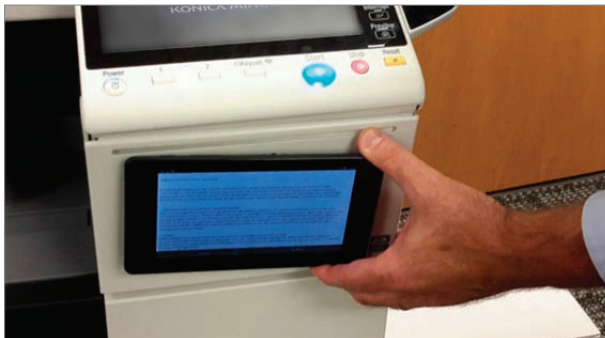


2. Place your NFC Tag Sticker on a flat surface of the MFP/Printer (as shown in the illustrations). If a finisher is attached, you can also place the NFC Tag on the flat surface of the finisher.



3. Bring your NFC Android close to the NFC Tag Sticker location.

Note: In some cases you need your Android touching the NFC Tag Sticker.

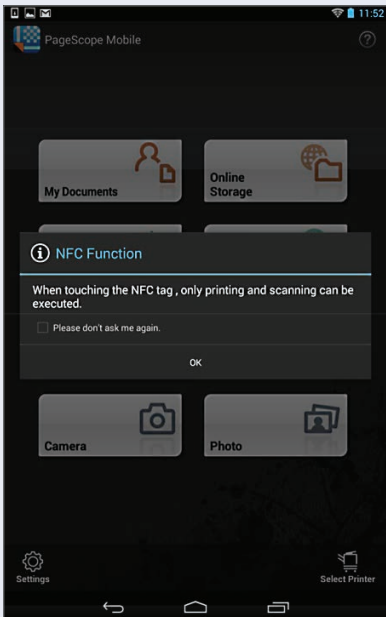


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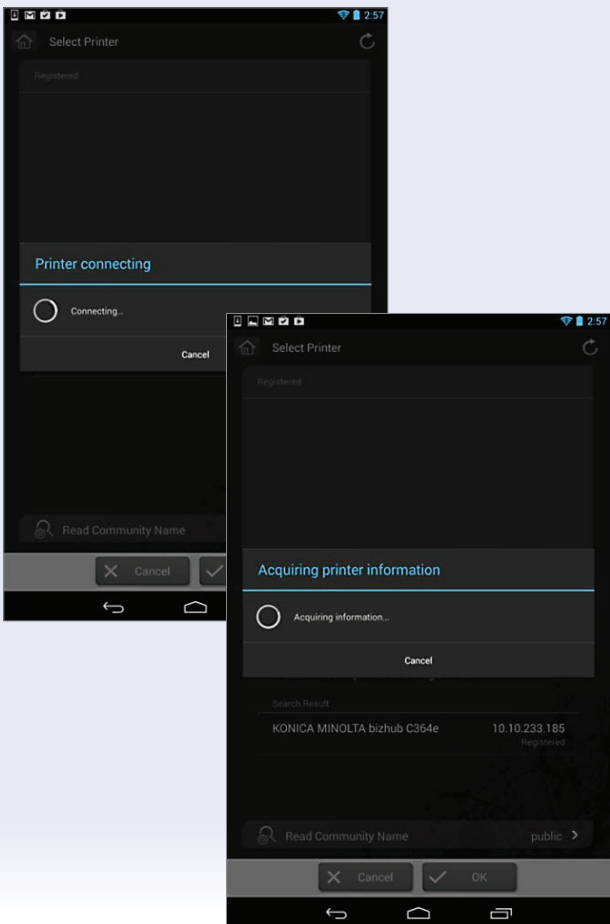
COMPACT MFP MOBILE SOLUTIONS

4. When this procedure is done for the very first time, you will get the following message
“When touching the NFC Tag, only printing and scanning can be executed.”

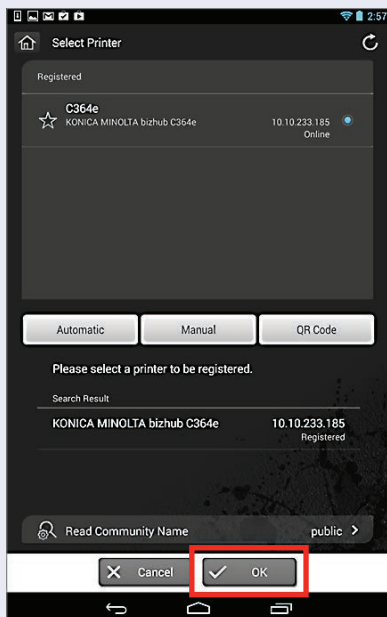
Note: PageScope Mobile will launch but at times if the printer is not registered, while in the current PageScope Mobile screen touch the Android to the NFC Tag Sticker again.



5. At this stage, the printer is connecting and PageScope Mobile is acquiring the printer information that was programmed in the NFC Tag Sticker.



6. The Konica Minolta MFP is located and simply select **OK** to save it.

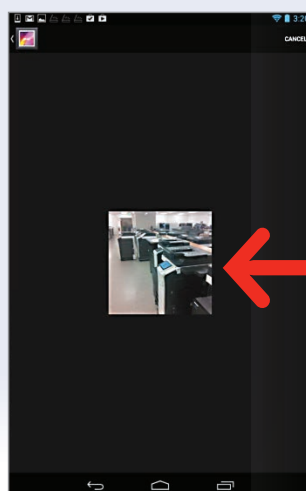
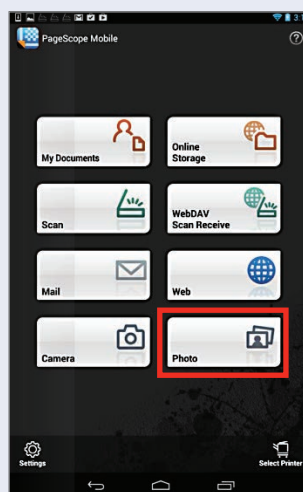


Printing from the Android

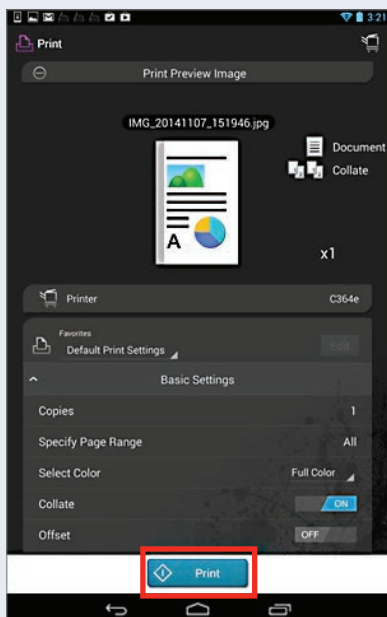
1. Select a picture you want to print (in our example we used a picture we have taken with our Android device).



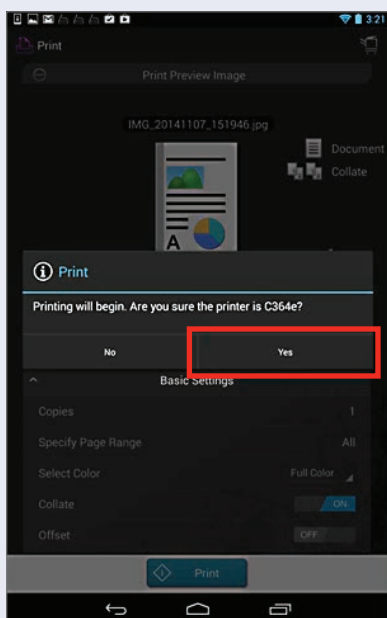
2. Launch **PageScope Mobile**
3. Select **Photo** and choose the photo you want to print.



4. Designate your output settings and select **Print** when ready.



5. Select **Yes**



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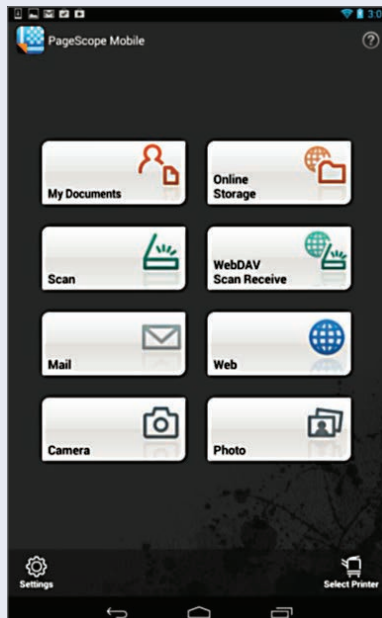
6. The photo is submitted to the printer



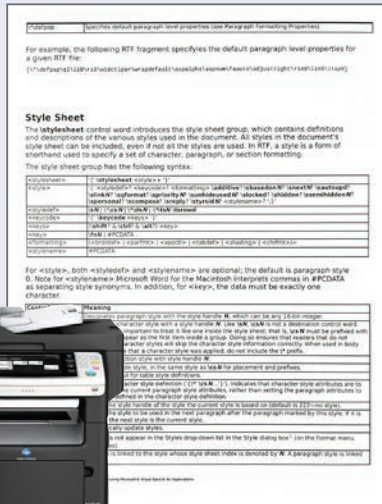
Scan to the Android

Please note that bizhub 3850FS and 4750 Series only support PageScope Mobile WebDAV Scanning.

1. Place your document on the MFP document feeder
2. Launch **PageScope Mobile**



3. Place document on document feeder

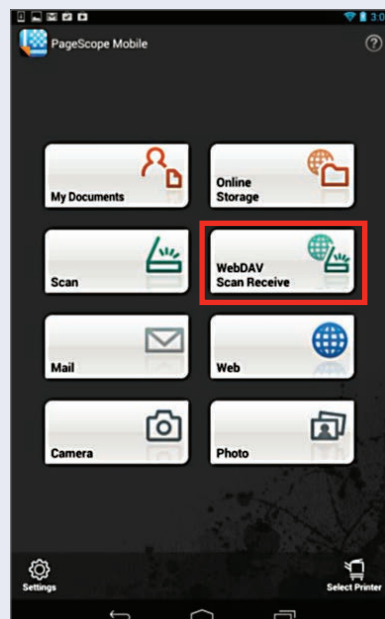


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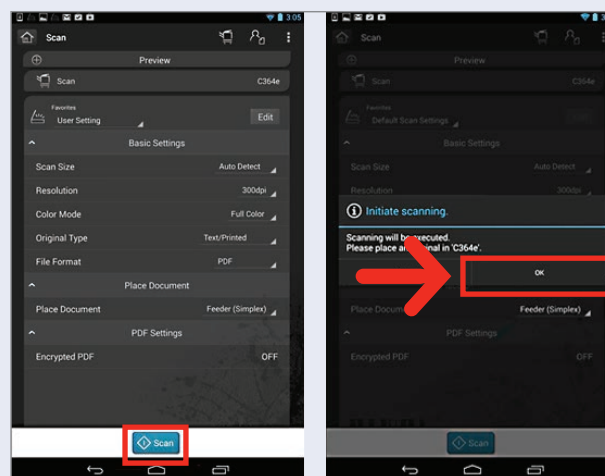
COMPACT MFP MOBILE SOLUTIONS

4. Select **WebDAV Scan Receive**
5. Enter **MFP Host Name** and **Port Number** in **PageScope Mobile App** (**WebDAV Scan Receive** screen)

To access Host Name & Port Number for C3850FS and 4750 Series: Touch **Utility** ► touch **One-touch/User Box Registration** ► touch **WebDAV** ► touch **New** ► touch **Host Name**



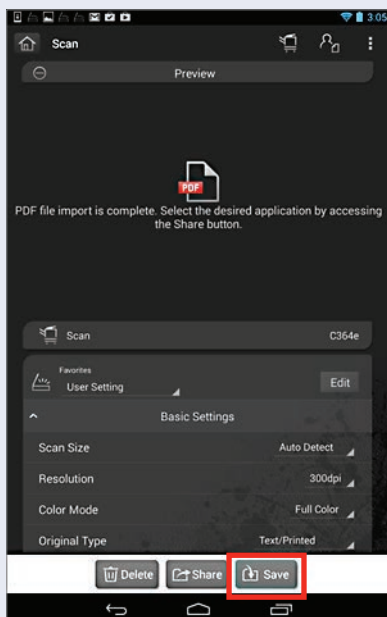
6. Select any custom **Scan** settings you need and once you are ready select **Scan**
7. You will be prompted with a message that scanning will be executed, select **OK**
8. The MFP will scan the document



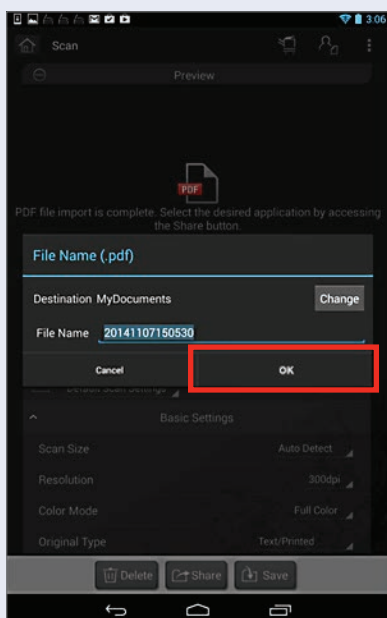
9. You will get a **Preview** screen with the following selections:

- a. Delete
- b. Share
- c. Save

*Note: for this example select **Save***



10. Press **OK**

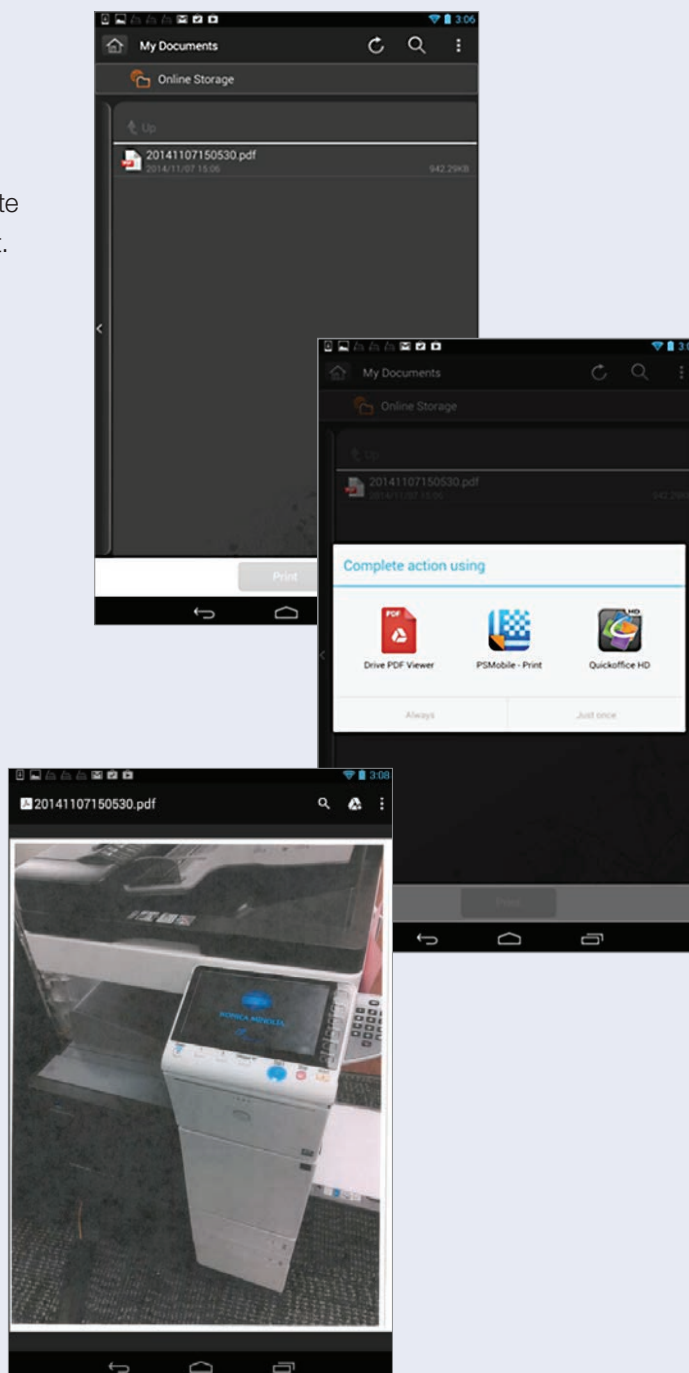


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11. Now you can rename the scanned file or leave it as it is defaulted and press **OK**
12. Now you can go to **My Documents** folder and locate the scanned file and open it.

*Note: In our example we opened the scanned file with **Drive PDF Viewer***



WI-FI DIRECT

Wi-Fi Direct provides a direct connection between wireless devices, as specified by the Wi-Fi Alliance, a body which promotes the Wi-Fi Direct standards.



- Devices (PC, mobile) that support Wi-Fi Direct can connect P2P (Peer to Peer) with a compatible bizhub (At time of this publication, Wi-Fi Direct printing from mobile devices is only possible with PageScope Mobile for Android).
- Even devices (PC, mobile) that do not support Wi-Fi Direct can connect if the bizhub acts as an AP (Access Point). (Up to five units can be connected).
- Users can connect to a network for MFPs only, without going through the internal LAN, so security is maintained without changing internal network settings; printing from devices brought in from outside the company are supported (visitor/guest mobile devices).
- Each time the bizhub power is turned off and on, the bizhub SSID is updated to enhance security.

PREREQUISITES

- C3850FS – NC-P03 Wireless Network Interface + MK-P06 Mount Kit for NC-P03 and firmware level 30G0607 or later.
- C3850/C3350 – NC-P03 Wireless Network Interface + MK-P06 Mount Kit for NC-P03 and firmware level 30G0607 or later.
- 4750/4050 – NC-P03 Wireless Network Interface and A6F730G0516-999 or above (Version Release 7)

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COMPACT MFP MOBILE SOLUTIONS

Mobile Support Matrix

Product Name	AirPrint	Google Cloud Print	Konica Minolta Print Service (Android App)	Mopria	Wi-Fi AP Mode	Wi-Fi Direct	NFC Tag Sticker (3rd Party Vendor's Sticker + Tag Writer App + PS Mobile Android)	NFC Authentication (AU-201S + PS Mobile)	NFC Active Tag/NFC Enabled (Mobile Touch Area)	Bluetooth LE (Mobile Touch Area)
bizhub C754/C654	No	Yes	Yes	No	No	No	Yes	Yes	No	No
bizhub C754e/C654e	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
bizhub C554/C454/C364/C284/C224	No	Yes	Yes	No	No	No	Yes	Yes	No	No
bizhub C554e/C454e	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
bizhub C364e/C284e/C224e	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
bizhub 754/654	No	Yes	Yes	No	No	No	Yes	Yes	No	No
bizhub 754e/654e	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
bizhub 554e/454e/364e/284e/224e	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
bizhub C3350/C3850	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
bizhub C3850FS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
bizhub C3110	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No
bizhub C3100P	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No
bizhub 4750/4050	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
bizhub 4020/3320	Yes	No	Yes	Spring 2016	TBD	No	Yes	No	No	No
bizhub 4700P/4000P	Yes	No	Yes	Spring 2016	TBD	No	Yes	No	No	No
bizhub 3300P	Yes	No	No	Spring 2016	TBD	No	No	No	No	No
bizhub 287/227	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
bizhub C287/C227	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
bizhub C368/C308/C258	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Notes:

- Please check specification requirements for EACH engine. The bizhub MFPs/Printers must be equipped with the proper firmware level and/or options (i.e. Wireless Kits) to support the various Mobile Print Solutions.
- NFC Active Tag/NFC Enabled MFPs (Mobile Touch Area) require PageScope Mobile Android 5.0 or higher to communicate with the MFP.
- Bluetooth Low Energy (BLE) requires PageScope Mobile iOS 5.0 or higher to communicate with the MFP. In addition, the bizhub MFP must be equipped with the optional EK-609, USB Host Board (Local Interface Kit)

KMBS Wireless Specifications Matrix

Note: This list is based on the product firmware version available as of February 2016.

For information regarding the most up to date product firmware version available, please consult with your service department.

	UK-208 Wireless Kit	UK-212 Wireless Kit	NC-P01 Wireless Network Interface	NC-P02 Wireless Network Interface	NC-P03 Wireless Network Interface
Compatible Engines	C554e C454e C364e C284e C224e 554e 454e 364e 284e 224e	367 287 227 C287 C227 C368 C308 C258	3300P 4000P 4700P 3301P	4020	C3850 C3350 C3850FS C3110 C3100P 4750 4050 3320
Support Band	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz
IEEE Standard	802.11b/g/n	802.11b/g/n	802.11b/g/n	802.11b/g/n	802.11b/g/n
Support Functions	Secondary Mode Primary Mode Wi-Fi Direct	Secondary Mode Primary Mode Wi-Fi Direct	Secondary Mode Wi-Fi Direct	Secondary Mode Wi-Fi Direct	Secondary Mode Primary Mode (*1) Wi-Fi Direct
Security	WPA2-Enterprise WPA2-Personal WPA-Enterprise WPA-Personal WEP (64-/128-bit) EAP-TLS EAP-TTLS/ MSCHAPv2 PEAP v0, EAP-MSCHAPv2	WPA2-Enterprise WPA2-Personal WPA-Enterprise WPA-Personal WEP (64-/128-bit) EAP-TLS EAP-TTLS/ MSCHAPv2 PEAP v0, EAP-MSCHAPv2	WPA2-Enterprise WPA2-Personal WPA-Enterprise WPA-Personal WEP (64-/128-bit) EAP-TLS EAP-TTLS/ MSCHAPv2 PEAP v0, EAP-MSCHAPv2	WPA2-Enterprise WPA2-Personal WPA-Enterprise WPA-Personal WEP (64-/128-bit) EAP-TLS EAP-TTLS/ MSCHAPv2 PEAPv0, EAP-MSCHAPv2	WPA2-Enterprise WPA2-Personal WPA-Enterprise WPA-Personal WEP (64-/128-bit) EAP-TLS EAP-TTLS/ MSCHAPv2 PEAPv0, EAP-MSCHAPv2
Encryption -Wireless	WPA/WPA2 AES CCMP	WPA/WPA2 AES CCMP	WPA/WPA2 AES CCMP	WPA/WPA2 AES CCMP	WPA/WPA2 AES CCMP
Channel Frequency Band	ACS, 1-13 20/40MHz (802.11n HT)	ACS, 1-13 20/40MHz (802.11n HT)	ACS, 1-13 20/40MHz (802.11n HT)	ACS, 1-13 20/40MHz (802.11n HT)	ACS, 1-13 20/40MHz (802.11n HT)
Max Association Rate	150Mbps (11n)	150Mbps (11n)	150Mbps (11n)	150Mbps (11n)	150Mbps (11n)
Max Streams	1x1	1x1	1x1	1x1	1x1
Max Number of Client (AP-Mode)	5	5	Not Available	Not Available	5 (*1)

continued

(*1) The bizhub 3320 does not support Primary Mode (AP Mode).

(*2) Only the WPS-enrollee (Secondary Mode) is supported.

(*3) The bizhub 3320 does not support this function.

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COMPACT MFP MOBILE SOLUTIONS

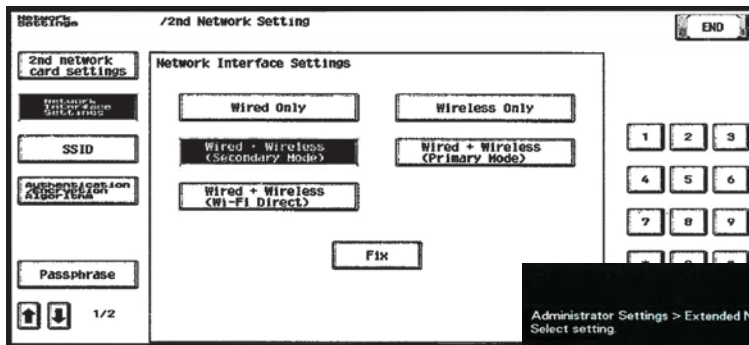
KMBS Wireless Specification Matrix
continued

	UK-208 Wireless Kit	UK-212 Wireless Kit	NC-P01 Wireless Network Interface	NC-P02 Wireless Network Interface	NC-P03 Wireless Network Interface
Certifications	Wi-Fi Certified Wi-Fi Direct WMM-Power Save Wi-Fi Protected Setup	Wi-Fi Certified Wi-Fi Direct WMM-Power Save Wi-Fi Protected Setup	Wi-Fi Certified Wi-Fi Direct WMM-Power Save Wi-Fi Protected Setup	Wi-Fi Certified Wi-Fi Direct WMM-Power Save Wi-Fi Protected Setup	Wi-Fi Certified Wi-Fi Direct WMM-Power Save Wi-Fi Protected Setup
TX Power Adjustment	High (17dBm) Middle (14dBm) Low (10dBm)	High (17dBm) Middle (14dBm) Low (10dBm)	High (17dBm) Middle (14dBm) Low (10dBm)	High (17dBm) Middle (14dBm) Low (10dBm)	High (17dBm) Middle (14dBm) Low (10dBm)
Protected Management Frame	Yes	Yes	Yes	Yes	Yes
Wi-Fi Protected Setup	Yes (*2)	Yes (*2)	Yes (*2)	Yes (*2)	Yes (*2)
WMM PowerSave	Yes	Yes	Yes	Yes	Yes
Max Number of Client (MAC Address Filter)	16	16	Not Available	Not Available	16 (*3)

(*1) The bizhub 3320 does not support Primary Mode (AP Mode).
(*2) Only the WPS-enrollee (Secondary Mode) is supported.
(*3) The bizhub 3320 does not support this function.

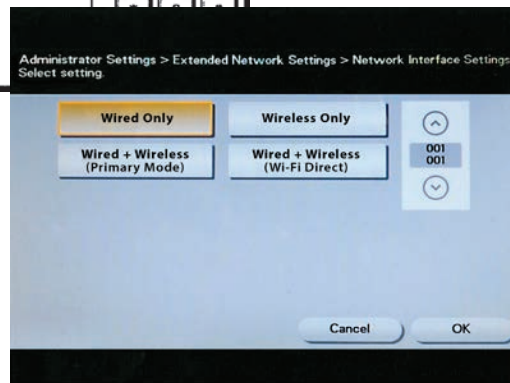
Wireless Modes-at-a-Glance

1. **Wired Only** – A cable is physically connected to the MFP
2. **Wireless Only** – The MFP is configured to connect to an existing Access Point (Wireless network). MFP will connect to an existing SSID on a network.
3. **Wire + Wireless (Secondary Mode)** – Function 1 & 2. This Mode is not available on the A4 Products.
 - a. A cable is physically connected to the MFP
 - b. The MFP is configured to connect to an existing Access Point (Wireless network). MFP is connected to an existing SSID on a network. large MFP (A3) Screen shown.



Compact (A4) MFP screen shown.

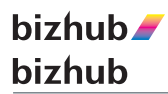
4. **Wire + Wireless (Primary Mode)**
 - a. A cable is physically connected to the MFP
 - b. The MFP can function as an Access Point and allows 5 connections for printing (please note that 5 connections is the maximum number allowed). The MFP has a built in DHCP server. The SSID is configured on the MFP and will not change when the MFP power is cycled.



Please note that large (A3) MFP and Compact (A4) MFP settings are very similar. The exception is that Secondary Mode is NOT supported on Compact (A4) MFPs therefore, it is not listed as an available setting.

5. **Wire + Wireless (Direct Mode)**
 - a. A cable is physically connected to the MFP.
 - b. The MFP can function as an Access Point and allows only 5 connections for printing (please note that 5 connections is the maximum number allowed). The MFP has a built in DHCP server. The SSID is configured on the MFP and will CHANGE every time the MFP power is cycled.

Notes



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