2016 Xerox® ConnectKey® Technology-enabled MFPs

Comparison White Paper

Executive Summary

The information in this document is intended to provide a summary, or where appropriate to avoid duplication, a reference to material that may form the basis of any documentation required to be authored by a technical author that describes how products upgraded to be 2016 Xerox® ConnectKey® Technology-enabled Multifunction Printers (MFPs) are different from their predecessors.

This white paper is intended to provide a technology overview to help field personnel and IT organizations to understand the similarities and differences between Xerox® ConnectKey 1.5 Technology-enabled MFPs and 2016 Xerox® ConnectKey Technology-enabled MFPs. It will provide information on new features added to the devices as Xerox continues to build and improve our Xerox® ConnectKey Technology. This will help minimize accreditation efforts so we can more quickly, and cost effectively, introduce the new features and functionality offered by the software for 2016 Xerox® ConnectKey-enabled MFPs to enhance the customer's work environment.

The information presented in this "evergreen" document is broken into 3 main sections:

• Part I: Platform Overview – Provides an introduction to Xerox® ConnectKey Technology and its value proposition.

• Part II: Technical Considerations – Lists the new features offered with the software for 2016 Xerox® ConnectKey-enabled MFPs.

• Part III: User Interface Differences between the Xerox® ConnectKey 1.5 Technology-enabled MFPs and 2016 Xerox® ConnectKey Technology-enabled MFPs.

Part I: Overview

Platform Introduction

The Xerox® ConnectKey Technology platform was launched in February of 2013, and consisted of five series of MFPs, as well as various software solutions. ConnectKey Technology was further updated in 2014 with a software upgrade available for existing products already purchased that added new features and provided updates to existing functionality. The ConnectKey portfolio was also expanded with the addition of a 70 ppm color tabloid sized MFP, a new monochrome tabloid sized MFP series, and two A4 MFP laser devices.

In 2016, Xerox launched the new 2016 ConnectKey Technology-enabled 'i-Series' Smart MFPs built on this successful platform which offer a powerful and complete range of devices that include an array of new capabilities and solutions. Some highlights include:

- An industry first – ready to use embedded MFP apps allow you to easily connect your mobile workers to the device. Xerox® App Gallery allows you to download new apps, such as Print from DropBox™ and Scan to Microsoft® Office 365 directly from the user interface.

- A cloud-based service utilizing state-of-the-art technology to provide instant, draft-quality machine translation or convenient access to professional translators via multiple platforms. Thirty-eight language translation choices are supported with the new Xerox® Easy Translator Service App.

- Secure and accurate printing and scanning with a continuum of mobile options that fit your environment, with free print and scan apps, such as Xerox® Mobile Link App.

- Xerox® PrintSafe Software providing secure print authentication for printed data on most multifunction printers, including both Xerox® devices and devices from other vendors. This software is open to work with a variety of industry standard secure readers and cards.

- Xerox® devices built on ConnectKey Technology support a Wi-Fi Direct connection that lets you print from your mobile device without having to connect to a network.

- A simplified and intuitive user interface that can be tailored for your business needs.

Like their predecessors, these powerful office MFPs handle your document needs with exceptional speed, optimal efficiency and worry-free security. This innovative use of Xerox® technology makes it easy to customize and optimize unique job processes – helping you find better ways to get your best work done. These features and others are explained in more detail in Part II of this document.

As provided in the past, a set of existing ConnectKey-enabled MFPs can be upgraded with the new features found on the 2016 ConnectKey Technology-enabled 'i-Series' Smart MFPs.

2016 Xerox® ConnectKey® Technology-enabled MFPs

The following products are upgradable with the software for 2016 Xerox® ConnectKey Technology:

• Xerox® WorkCentre® 3655 Series

• Xerox® WorkCentre® 6655

• Xerox® WorkCentre® 7200 Series

• Xerox® WorkCentre® 7800 Series

• Xerox® WorkCentre® 7970

• Xerox® WorkCentre® 5800 Series

• Xerox® WorkCentre® 5900 Series

For more information about all the features available with this upgrade, and details on our new Xerox® ConnectKey Technology-enabled 'i-Series' Smart MFPs, visit www.connectkey.com.

Software Upgrade Options

To upgrade your product, Xerox has provided software upgrade tools that are available at Xerox.com. These tools can be used by customers, analysts or service to streamline the upgrade process from ConnectKey 1.0 or 1.5 Technology software, to the software for 2016 ConnectKey Technology. A separate tool is posted for each product. The tool is run from a PC and will query the product as to its current software level. The tool then loads the required files necessary to bring the product to the 2016 version.

Part II: Changes available with the software for the 2016 ConnectKey Technology

New Productivity Features

Simplified User Interface

Users will experience even more simplified user interface screens with larger icons, making ConnectKey Technology-enabled MFPs even easier to use. For a detailed comparison, see Part III of this document.

Embedded Apps and Xerox® App Gallery for Extra Convenience

Visit the Xerox® App Gallery and simply download our lightweight, serverless ConnectKey Apps to your ConnectKey Technology-enabled multifunction printer via USB or Xerox® CentreWare® Internet Services. You can access the App Gallery from the User Interface of a 2016 ConnectKey-enabled MFP or by visiting www.xerox.com/AppGallery.

Other embedded Apps Include:

- QR Code, an embedded app, provides a simple way for a multifunction printer enabled with ConnectKey Technology to display its IP address to an app, and to be used to connect a mobile device to the MFP. The user loads the Xerox® Print Portal App and then scans the QR code on the UI with the mobile device.

- @PrintByXerox App allows users to leverage the Xerox® Cloud Services print platform to print to ConnectKey Technology-enabled MFPs using one universal email address.

More information on ConnectKey Apps can be found at this link:

http://www.office.xerox.com/connectkey/apps

Xerox® Easy Translator Service

This optional service allows customers to scan a document and receive a translated print and/or email notification. Users can also send an image from an iOS or Android device, or a PC that is forwarded for translation. For more information, visit https://xeroxtranslates.com.

Added Custom Media Display Names

- Allows users to define the names to be displayed for media loaded in any tray

- Ability to import Custom Names via spreadsheet

- Up to 150 display names are now supported

Enhanced Finishing when Printing From USB

- Support added for Collation, Stapling and Hole Punch

Improved Clone File Distribution via USB

- The cloning feature continues to be used to share configuration settings between multiple devices. By allowing clone files to be retrieved from USB thumb drives, it is easier to share and distribute configuration files.

- The cloning Web user interface page is updated to better organize clone settings for easier selection. This new layout will help the user identify their settings by groups to ensure that your settings are preserved. Additionally, the device's WiFi Settings can now be cloned.

Other Features

- Faster Power up from Off and more responsive user interface. See specific products' detail specification sheets for new times.

- Improved operability in MS environment (SMBv2/v3) and Support for Windows 8 and Server 2012

- RIP Updates: Adobe PS RIP 3020, CSR IPS 2012.1

- Reduce/Enlarge enabled for Booklet Creation

New Convenience Features

Wi-Fi Direct Certification

This certification lets you print from your mobile device without having to connect to a network. Adding the optional wireless USB adapter enables this connection, and allows for both an Ethernet connection and Wi-Fi Direct connection to be enabled at the same time.

Xerox® Mobile Link App

Xerox® Mobile Link is a mobile app that can scan, email and fax and print from your phone or tablet by connecting with Xerox® multifunction printers. It is also able to send data to cloud storage. This free App is available for download from the Google Play store for Android devices, as well as Apple App Store for iOS devices. More information can be found at this link:

http://www.office.xerox.com/software-solutions/xerox-mobile-link/enus.html

### Support for Apple® AirPrint™ 1.4

As mobile device usage continues to grow, protocols like Apple AirPrint™ continue to evolve in order to meet the rising demand. Upgrading your ConnectKey Technology-enabled MFP will enable your MFP to be compatible with the latest version of AirPrint.

This allows several key enhancements:

- Accounting support – Xerox® Standard Accounting and Network Accounting

- Authentication for IPP printing (methods include local device / Kerberos / SMB / LDAP)

- Enhanced security – TLS 1.2

- IPP Attributes – more finishing options

- Identify printer from mobile device – allows the user to identify a printer by flashing a message on the multifunction printer's user interface

Print Around with Print on Alternative Paper

Print Around, an existing feature on ConnectKey-enabled MFPs, allows jobs to be held in a queue if the printer does not have the correct resources, such as mismatched media type, color or size, and permits other jobs in the queue behind it to print. The upgrade enhances this feature as users are now able to select different media to that originally specified and loaded in the device. The Print on Alternative Paper feature also allows the user to scale and center the image if the media is a different size. This feature can be enabled or disabled in Xerox® CentreWare® Internet Services.
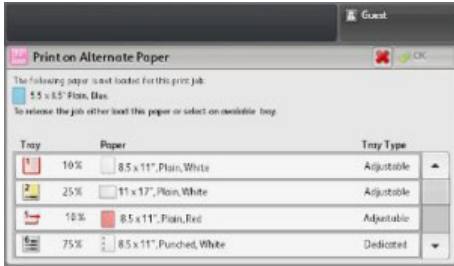
Arabic Support

The user interface for ConnectKey Technology-enabled MFPs and Xerox® CentreWare® Internet Services are now available in Arabic and users can select Arabic as their default language. This selection will update the user interface to use Arabic characters and accept input from the soft keyboard, which will be configured to display Arabic characters. The Xerox® CentreWare® Internet Services Web pages have also been translated to Arabic, however, there is currently no support for Arabic in embedded pages.

Added Web UI Functionality

• Administrators can also control access to the Web UI via a MIB setting, thus enabling better fleet management from tools such as XDM / CWW / etc.

Email Credential Flexibility

• Ability to configure Email to use device's email address in the From field instead of authenticated user

• If Only Send to Self is selected, user's email address is used in the To field

Other Convenience Features

• Option to remove Log Out Confirmation screen at user interface

• Supports Log Out via Soft/Hard button and Swipe their card to Log Out

New Security Features

In addition to all the security features that come standard on ConnectKey Technology-enabled MFPs, we're introducing even more features, such as:

Secure Workflows

- **Scan Data Encryption**

  Users also now have the option to encrypt PDF files with a password when using the Scan to Email service.
  - Protection outside of firewall
    - Securing data in an unsecure environment
    - Using industry standard protocols such as SSL and Secure PDF

- **Print Stream Encryption**

  The Xerox Global Print Driver® now and some product drivers now support document encryption when submitting Secure Print jobs to ConnectKey Technology-enabled devices.
  - Print driver encryption
    - No additional hardware required
    - Only when secure print is selected
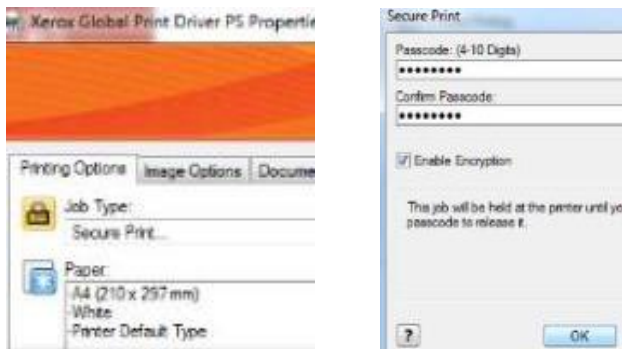
- **Keep Jobs Confidential**
  - Clear Fax Recipient Number immediately after Send

Barcode Reader Support

Xerox® ConnectKey-enabled devices now support attaching and utilizing barcode readers.

Xerox® PrintSafe Software

Provides user authentication and "Print Any Where" (pull print) workflow on nearly all devices, including both Xerox® devices and devices from other vendors. This software is open to work with a variety of industry standard secure readers and cards.

New Product Specific Features

There are a few new features that are added to only to these specific products:

Xerox® WorkCentre® 7970

- This product can be upgraded to utilize an EFI™ Fiery® Network Server, which gives you a host of benefits including color management tools, enhanced productivity and flexible workflow tools.

Xerox® WorkCentre® 3655 and 6655

- Scans on the platen will prompt the user to select the paper size before the scan occurs.

Part III: User Interface Differences between the Xerox® ConnectKey® 1.5 Technology and 2016 Xerox® ConnectKey® Technology

To improve usability when programming the Service options, the pathways have been updated and a common workflow theme has been introduced. The changes you will see in each of the services are described here.
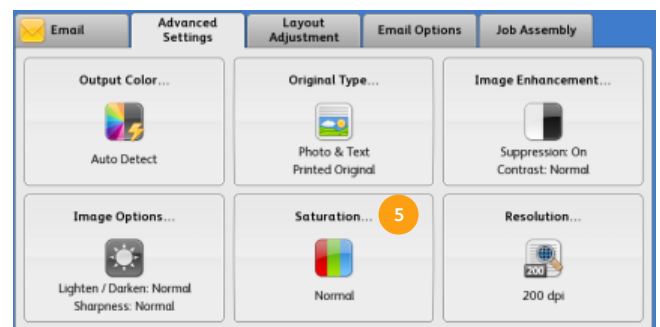
Copy

Xerox® ConnectKey® 1.0 and 1.5 Technology
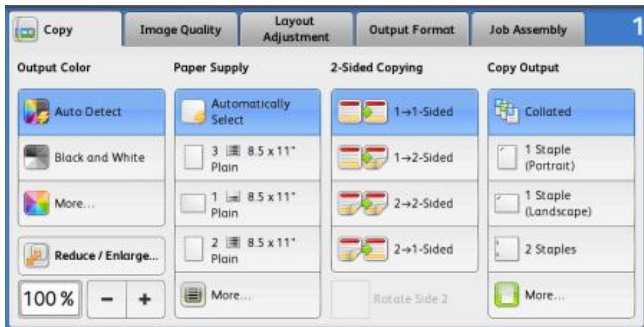
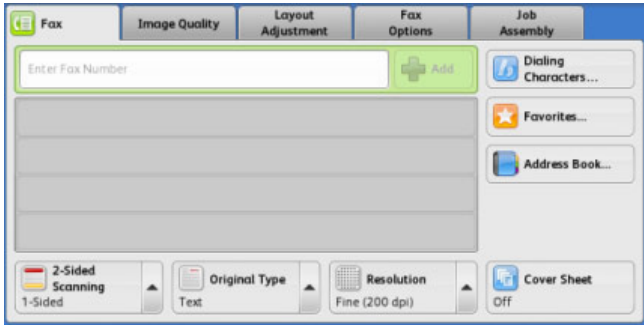Press the **Services Home** button and then touch **Copy** to view the updated screens.

2016 Xerox® ConnectKey® Technology

1 The **Automatically Select** option in Paper Supply has been renamed **Auto Paper Select**.

2 The **More** option available in Finishing has been renamed **Advanced**.

3 The **Copy Output** option has been renamed **Collation** or **Finishing** (if a finisher is available).

4 For color devices, when color output is selected **Saturation** is available as a separate option.

A new **Quantity** feature has been added to the **Job Assembly** tab.

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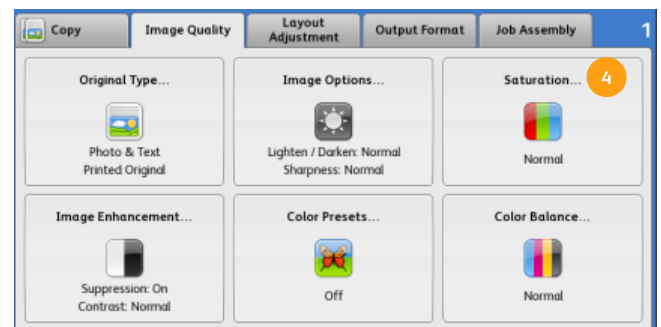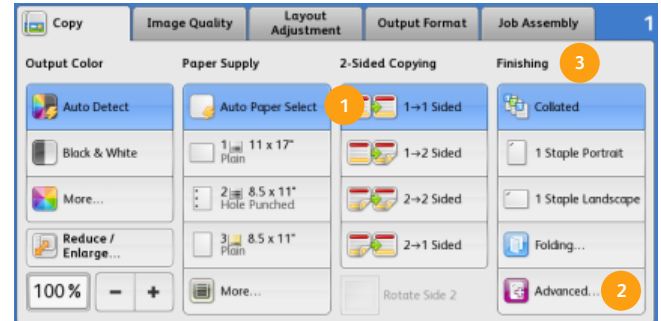
Email

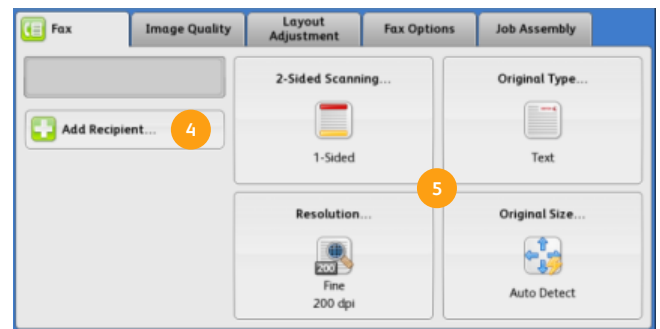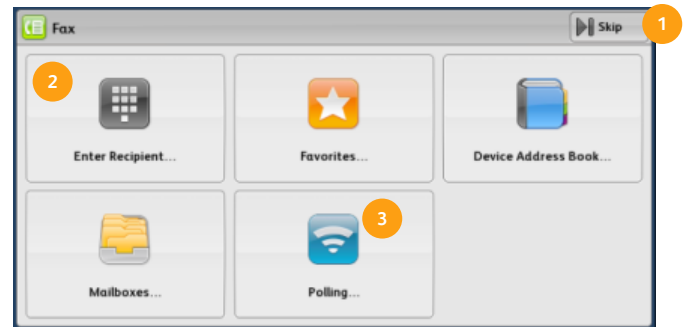## Xerox® ConnectKey® 1.0 and 1.5 Technology
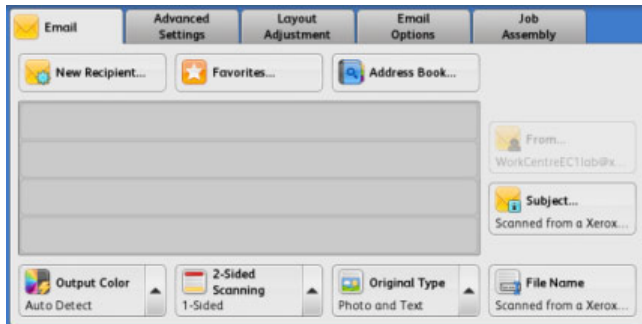
Press the **Services Home** button and then touch **Email** to view the updated screens.

2016 Xerox® ConnectKey® Technology

1. A new entry screen can be setup for accessing the options to enter **Email** recipients. Use **Skip** to access the **Email** options immediately, without entering recipient details.

2. Use **Enter Recipient**, **Favorites** or **Device Address Book** to enter or select recipients.

3. **New Recipient** has been renamed **Add Recipient**. Selecting **Add Recipient** returns you to the **Email** screen where you can add recipients using any of the available options.

4. **2-Sided Scanning**, **Original Orientation**, **Attachment** and **Subject** are all available on the **Email** tab.

   File Format has been renamed **Attachment**. If the subject text is changed within the **Subject** option, the **Attachment** text displayed will automatically update to match.

5. **Saturation** is now a separate option available in the **Advanced Settings** tab (when color output is selected).
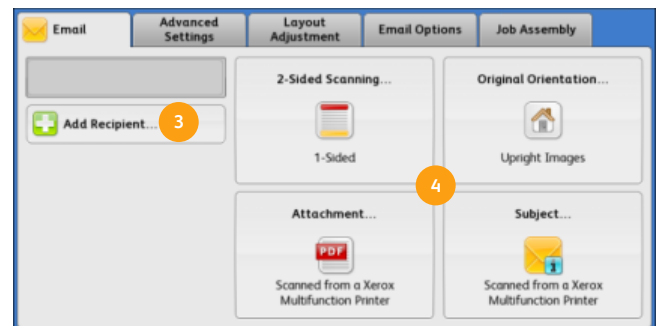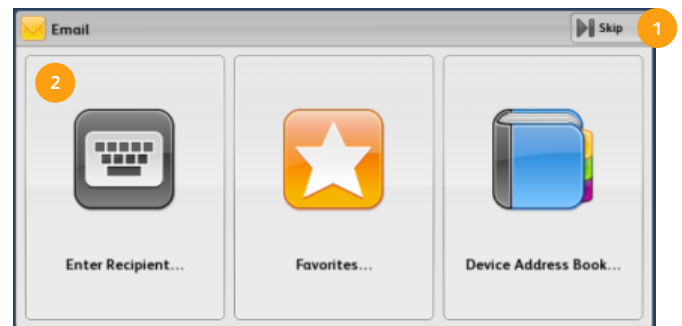
Fax (embedded)

Xerox® ConnectKey® 1.0 and 1.5 Technology

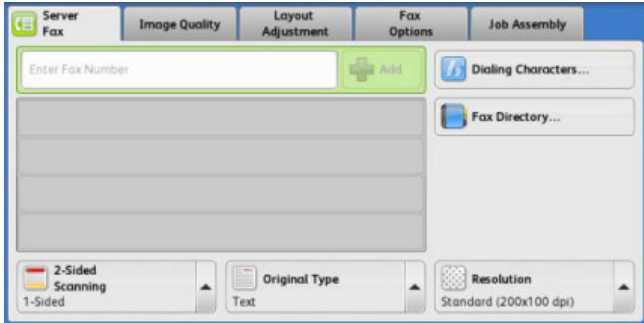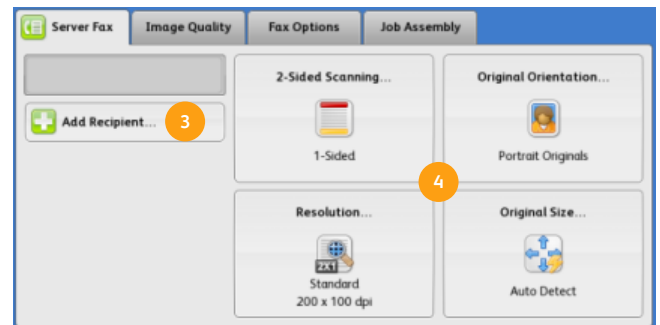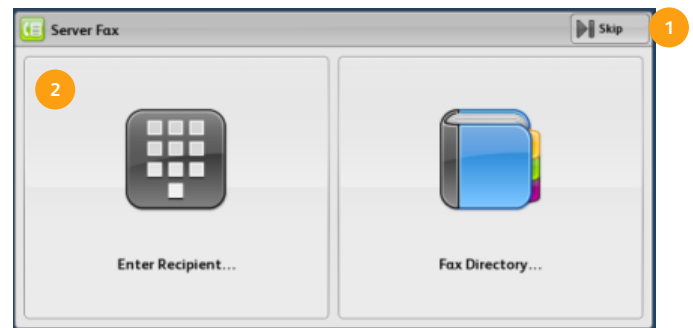Press the **Services Home** button and then touch **Fax** to view the updated screens.

2016 Xerox® ConnectKey® Technology

1 A new entry screen can be setup for accessing the options to enter **Fax** recipients or to select **Mailbox** or **Polling** features.

Use **Skip** to access the **Fax** options immediately, without entering recipient details.

2 Use **Enter Recipient**, **Favorites** or **Device Address Book** to enter or select recipients.

3 **Local** and **Remote** polling features are now available in a single **Polling** option.

4 **Add Recipient** returns you to the **Fax** screen where you can add recipients using any of the available options. **Dialing Characters** has been moved to the Enter Recipient screen.

5 **2-Sided Scanning**, **Original Type**, **Resolution** and **Original Size** are all available on the **Fax** tab.

Cover Sheet has moved to the **Fax Options** tab.

Server Fax

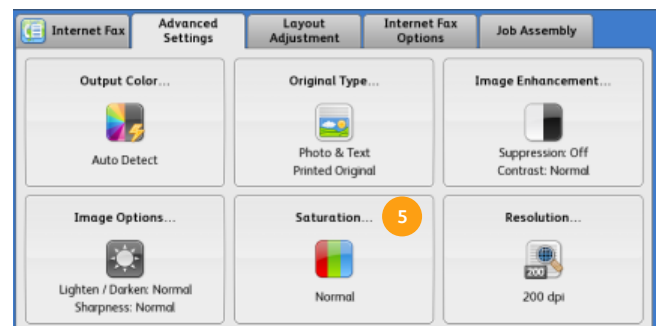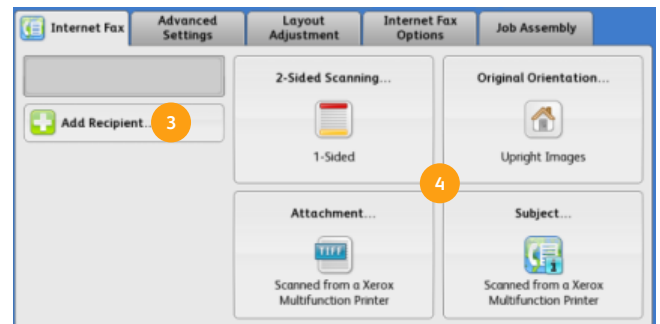## Xerox® ConnectKey® 1.0 and 1.5 Technology

Press the **Services Home** button and then touch **Server Fax** to view the updated screens.

2016 Xerox® ConnectKey® Technology

1 A new entry screen can be setup for accessing the options to enter **Server Fax** recipients. Use **Skip** to access the **Server Fax** options immediately, without entering recipient details.

2 Use **Enter Recipient** or **Fax Directory** to enter or select recipients.

3 **Add Recipient** returns you to the initial **Server Fax** screen where you can add recipients using any of the available options. **Dialing Characters** has been moved to the **Enter Recipient** screen.

4 **2-Sided Scanning**, **Original Orientation**, **Resolution** and **Original Size** are all available on the **Server Fax** tab.

The **Layout Adjustment** tab has been removed.

Internet Fax

Xerox® ConnectKey® 1.0 and 1.5 Technology

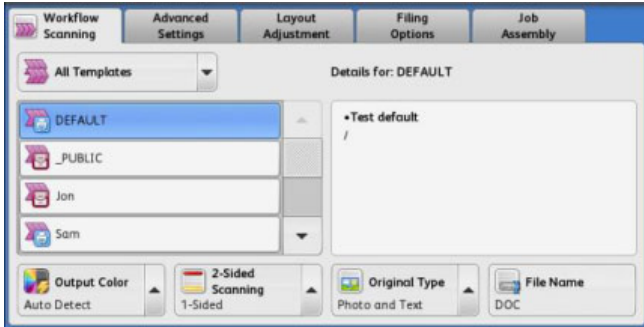Press the **Services Home** button and then touch **Internet Fax** to view the updated screens.

2016 Xerox® ConnectKey® Technology

1 A new entry screen can be setup for accessing the options to enter **Internet Fax** recipients. Use **Skip** to access the **Internet Fax** options immediately, without entering recipient details.

2 Use **Enter Recipient** or **Device Address Book** to enter or select recipients.

3 **New Recipient** has been renamed **Add Recipient**. Selecting **Add Recipient** returns you to the **Internet Fax** screen where you can add recipients using any of the available options.

4 **2-Sided Scanning**, **Original Orientation**, **Attachment** and **Subject** are all available on the **Internet Fax** tab.

File Format has been renamed **Attachment**. If the subject text is changed within the **Subject** option, the **Attachment** text displayed will automatically update to match.

5 **Saturation** is now a separate option available in the **Advanced Settings** tab (when color output is selected).

Workflow Scanning

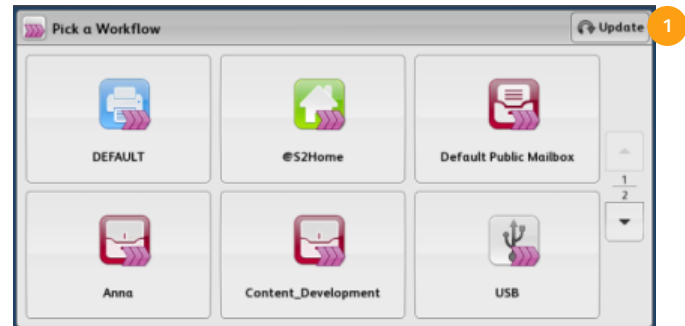## Xerox® ConnectKey® 1.0 and 1.5 Technology

Press the **Services Home** button and then touch **Workflow Scanning** to view the updated screens.
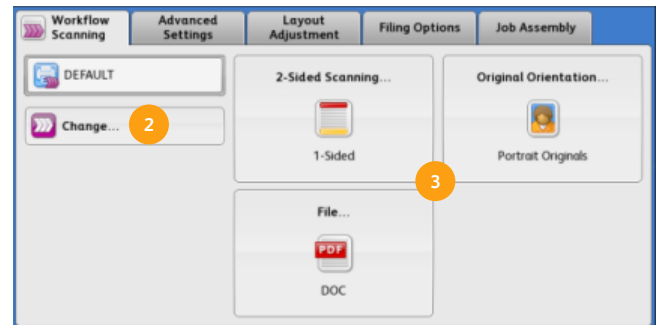
2016 Xerox® ConnectKey® Technology

1 The new **Pick a Workflow** screen can be setup to provide access to all the available scanning templates and destinations. Use **Update** to refresh the screen and view all available templates and destinations.


2 Use **Change** to access the Pick a Workflow screen and choose a different template or destination.

3 **2-Sided Scanning**, **Original Orientation** and **File** are all available on the **Workflow Scanning** tab. The **Workflow Tags** option is displayed when a selected template has a tag associated with it.
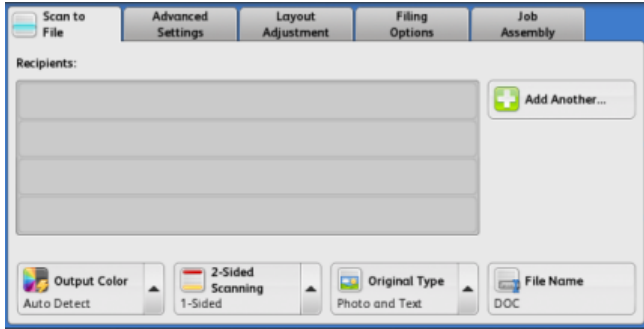
File Format has been renamed **File**.

4 **Saturation** is now a separate option available in the **Advanced Settings** tab (when color output is selected).
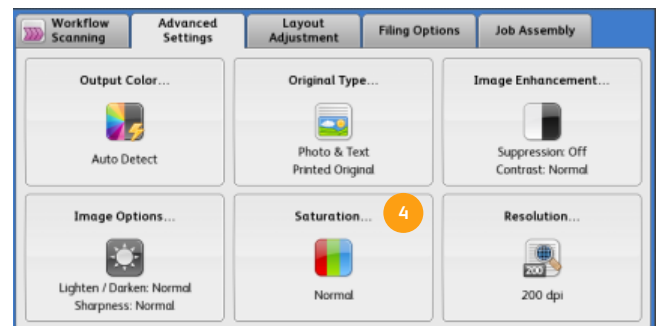
Scan To

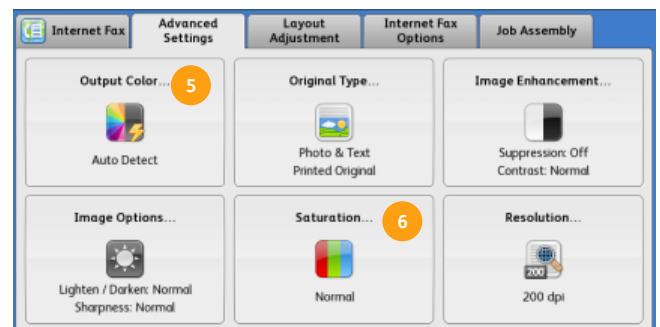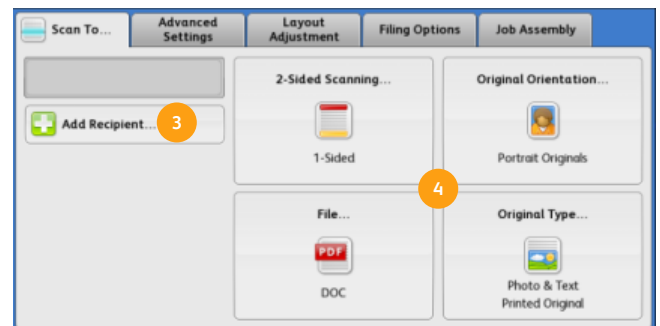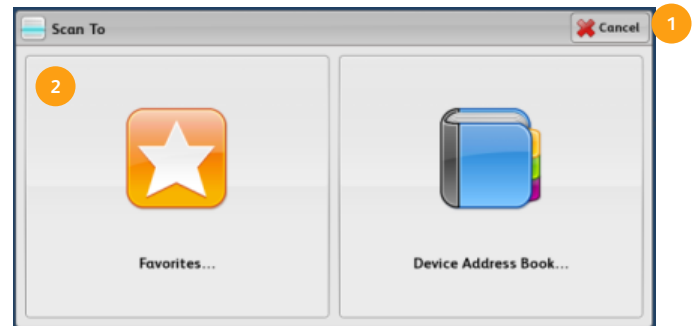## Xerox® ConnectKey® 1.0 and 1.5 Technology

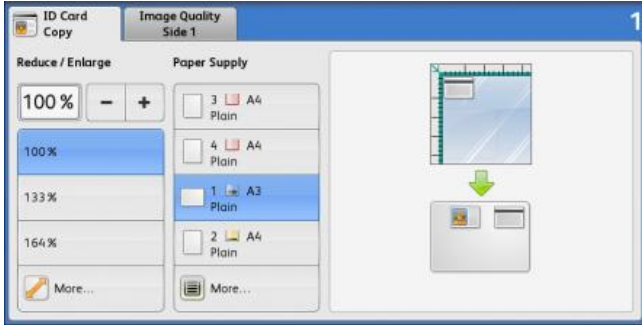Press the **Services Home** button and then touch **Scan To** to view the updated screens.

2016 Xerox® ConnectKey® Technology

1 A new entry screen can be setup for accessing the options to select **Scan To** recipients. Use **Cancel** to access the **Scan To** options immediately, without selecting recipients.

2 Use **Favorites** or **Device Address Book** to select recipients.

3 **Add Another** has been renamed **Add Recipient**. Selecting **Add Recipient** returns you to the **Scan To** screen where you can add recipients using any of the available options.

4 **2-Sided Scanning**, **Original Orientation**, **File** and **Original Type** are all available on the **Scan To** tab.

File Name and **File Format** have been combined into a single feature called named **File**.

5 **Output Color** has moved to the **Advanced Settings** tab and **Scan Presets** has been removed.

6 **Saturation** is now a separate option available in the **Advanced Settings** tab (when color output is selected).

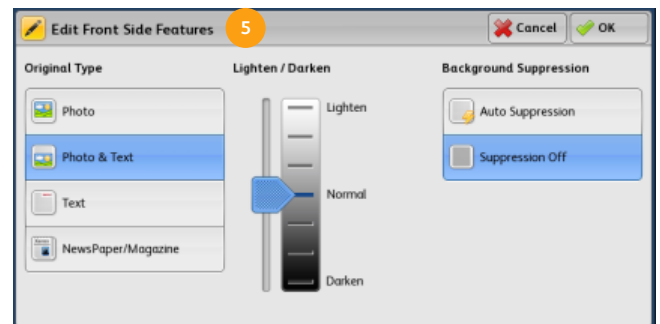# ID Card Copy

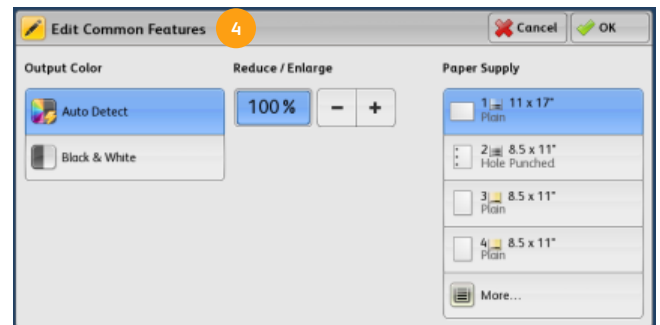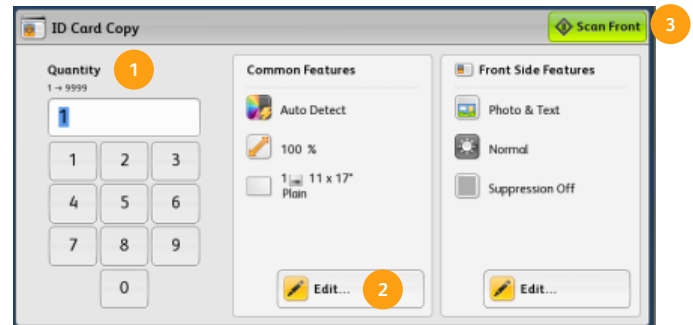## Xerox® ConnectKey® 1.0 and 1.5 Technology

Press the **Services Home** button and then touch **ID Card Copy** to view the updated screens.
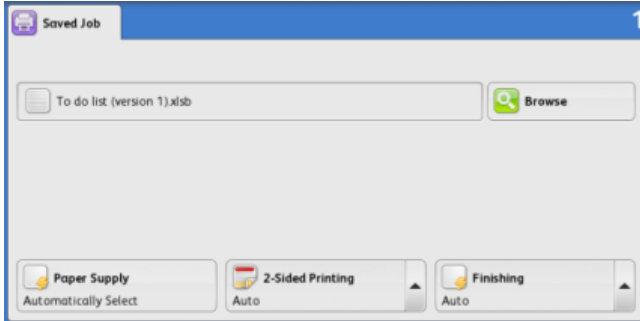
2016 Xerox® ConnectKey® Technology

① The **ID Card Copy** screen has been updated to include **Quantity**. The options have been grouped into **Common Features** and **Front Side Features** or **Back Side Features**.

② Use the **Edit** button to access and change the options, then touch **OK**.

③ Use **Scan Front** or **Scan Back** to scan the ID Card when all programming selections have been made.

④ **Output Color** (color devices only), **Reduce/Enlarge** and **Paper Supply** are available when **Edit** is selected in the Common Features area.

⑤ **Original Type**, **Lighten / Darken** and **Background Suppression** are available when **Edit** is selected in the Front Side Features or Back Side Features area.

Print From

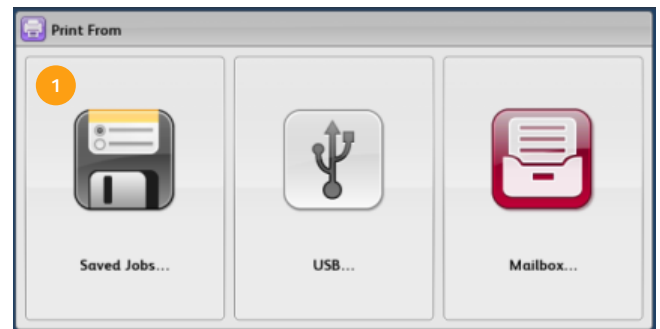## Xerox® ConnectKey® 1.0 and 1.5 User Interface

Press the **Services Home** button and then touch **Print From** to view the updated screens.

2016 Xerox® ConnectKey® Technology

1 A new entry screen can be setup for selecting **Print From** location.

2 Use the **Browse** button to return to the document list.

3 **2-Sided Printing**, **Finishing**, **Quantity** and **Paper Supply** are all available on the **Print From** tab.

4 The **More Features** tab has been renamed **Advanced Settings**. Select this tab to access the **Output Color** option (color devices only).

Xerox® ConnectKey® Apps

There are several Xerox® ConnectKey Apps available for use with your ConnectKey device which you may see on the **Services Home** screen. ConnectKey Apps extend the capabilities of your ConnectKey devices. For more information about Xerox® ConnectKey Apps, go to www.xerox.com/AppGallery.

Note: The ConnectKey Apps available depend on your device model and software version. To use ConnectKey Apps, ensure that your device is connected to the Internet.

1. **Xerox QR Code** – you can use this App to link your mobile applications with ConnectKey devices. You can also use the QR Code App to access information about related Xerox® Mobile Apps.

2. **Xerox @PrintByXerox** – you can use this App to leverage the Xerox Cloud Print platform to print documents to ConnectKey-enabled devices using email submission from any location.

3. **Xerox App Gallery 1.0** – you can use this App to access, login, browse, and download ConnectKey Apps from the Xerox App Gallery.
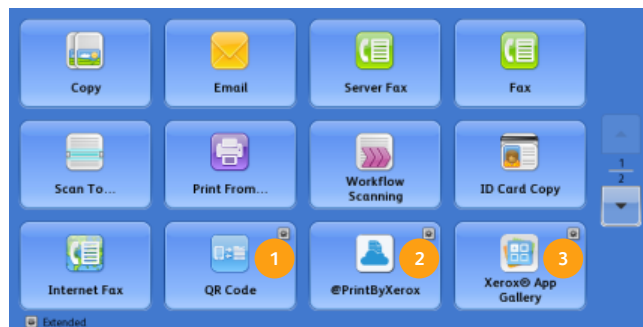
Machine Status and Job Status

- **Installed Options** has been removed from the **Machine Information** screen.

- The **Release** option used to release a job held in a print queue has been renamed to **Print**.
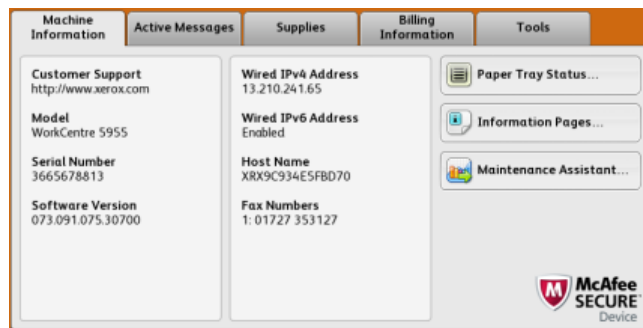
Tools

Device Settings

- On some products the **Energy Saver Modes** have been updated:
  - **Intelligent Ready** – the device wakes up and sleeps automatically based on previous usage.
  - **Job Activated** – the device wakes up when activity is detected.
  - **Scheduled** – the device wakes up and sleeps at set times on a daily basis.
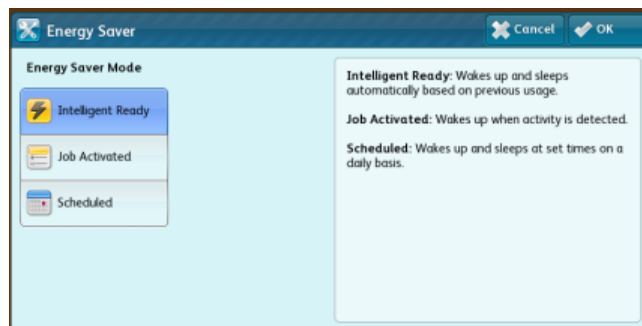
- **Paper Management > Tray Contents** has been removed.

- **Quick Setup Home** has been renamed **Additional Install Options**.

- **Configuration / Information Pages > Print Now** has been renamed **Configuration Page**.

- **Display Device Information > Hide Device Information** has been renamed **Security Message**.

Service Settings

- **ID Card Copy Service**
  - The following options are now available:
  - **Front Side Features**
  - **Back Side Features**

- **Embedded Fax Settings**
  - This feature has been renamed **Fax Service**.
  - **Dial Type > Tone / Pulse** has been added to the **Line 1 and 2 Setup** option. The availability of this option will depend on the country selected.
  - Headings in the **Mailbox Setup** option have been renamed.
  - **Clear Recipient List** is a new option. You can either set the device to maintain fax number entered or to clear them.
  - **Ring Volume** has been renamed **Fax Volume**.

- **Security Settings**
  - The **Authorization** folder containing the **Job Deletion** option has been removed.

- **Troubleshooting**
  - A **Fax** folder has been added containing the **Fax Protocol Report** option, enabling the report to be printed.

For any additional help about the features and functions of your device, visit our customer website at www.xerox.com or contact the Xerox Support Center.