This document describes how to install and set up the Fiery Network Controller for WorkCentre 7700 MFP Series. The complete installation takes approximately 90 minutes. You can install the Fiery Controller in one of two configuration modes:

- **Direct Connection:** This is the default configuration mode, in which the Fiery Controller is connected directly to the printer. To install in Direct Connection mode, complete step 1 through step 29 in the “Basic Installation” section.

- **Network Switch Connection:** This is an optional configuration mode, in which the Fiery Controller and the printer are each connected to a network switch, which is connected in turn to the network. In this mode, the printer has a distinct IP address, allowing users to access third-party printer applications.

  To install in Network Switch Connection mode, first complete step 1 through step 29 in the “Basic Installation” section; then complete step 30 through step 36 in the “Network Switch Connection (Optional)” section.

**NOTE:** After completing the installation of the Fiery Controller, you may proceed to install printer drivers on client computers, as described in *Printing* on the User Documentation CD.
Basic Installation

1. Unpack the Fiery Controller shipping box.

2. Unpack the Personalization Kit.

3. Install the rubber feet on the base of the Fiery Controller.
4. Place the Fiery Controller in the stand.

5. Connect the Fiery Controller to a power outlet.
Fiery Installation Instructions for the WorkCentre 7700 Series MFP

6. Set the power switch to OFF (0).

7. Set the service switches to boot mode (switch 1 set to up position for ON; switch 2 set to down position for OFF).
8. Connect the single-use Product Activation key and the Product Activation USB drive to the USB ports on the Fiery Controller.

Either port may be used for either device.

9. Power on the Fiery Controller by moving the power switch to ON (\(\text{ON}\)), and make sure that the power button lights up.

\textbf{NOTE:} If the power button fails to light up after 5 seconds, press the button once to power on the Fiery Controller.
10. Wait approximately 3 minutes for the product activation to finish. Allow the Fiery Controller to shut down automatically.

During product activation, the LED display flashes sporadically and shows 00; then it shows 01, 02, F0, and FF.

After showing FF for approximately 30 seconds, the Fiery Controller automatically shuts down.

**NOTE:** Refer to the troubleshooting tips below if an error code displays during product activation.

**Troubleshooting error codes:**

- **E1, E2, E3, EC:** The single-use dongle is used, corrupted, or of the wrong type. Obtain a replacement dongle from your authorized service/support center.

- **E4:** The single-use dongle was disturbed during the product activation. Remove and reconnect the dongle, and wait while the system reboots automatically; the product activation process will be repeated automatically.

- **E5, EE:** Product activation is not supported for this system type. Make sure that you have the correct type of Fiery Controller, single-use dongle, and Product Activation USB drive. For more information, contact your authorized service/support center.

- **E6, E9:** Product activation has already been performed on this system. Remove the dongle and USB drive and proceed to step 12.

- **E8:** Product activation was unsuccessful. Remove the dongle and USB drive and retry the product activation starting from step 8. If the error persists, contact your authorized service/support center.

- **EB:** The Product Activation USB drive is corrupted. Obtain a replacement drive from your authorized service/support center.
11. After the Fiery Controller shuts down, remove the single-use Product Activation key and the Product Activation USB drive from the Fiery Controller.

- The single-use Product Activation key is now expended and cannot be used again. Dispose of the key according to your local regulations.
- The Product Activation USB drive may be required at a later time if you wish to convert the Fiery Controller to a system other than the WorkCentre 7700. Store the drive in a secure location near the Fiery Controller.

12. Connect the System Software USB drive to either USB port on the Fiery Controller.

13. Power on the Fiery Controller by pressing the power button once.
14. Wait approximately 15 minutes as system software files are transferred to the Fiery Controller.

At first the LED display shows sporadic activity, eventually settling on 00. Then the display increases by one number approximately every 30 seconds. When all the files have been transferred to the Fiery Controller, the display switches to FF.

**DO NOT INTERACT WITH THE FIERY CONTROLLER DURING THE FILE TRANSFER.** Interrupting the file transfer may result in system corruption (i.e., the Fiery Controller hangs at AA for longer than 10 minutes during startup). If the system is corrupted, you must repeat the system software installation beginning from step 12.

15. After the LED display reaches FF, wait 30 seconds. Then power off the Fiery Controller by pressing and holding down the power button for 5 seconds until the green light goes out.

**NOTE:** Be sure to use the power button to power off the system; do not use the power switch. Using the power switch may result in system corruption (i.e., the Fiery Controller hangs at AA for longer than 10 minutes during startup). If the system is corrupted, you must repeat the system software installation beginning from step 12.
16. Remove the System Software USB drive from the Fiery Controller.

Store the drive in a secure location near the Fiery Controller. You may need the System Software drive at a later time to reinstall system software on the Fiery Controller for troubleshooting purposes.

17. Set the service switches to normal mode (both switches set to down position for OFF).

18. Power on the Fiery Controller by pressing the power button once.
19. Wait approximately 1 hour as the system software installation continues.

**DO NOT INTERACT WITH THE FIERY CONTROLLER DURING THE INSTALLATION.** Although very few status indicators appear during this time, the installation is in progress and must not be interrupted. Interrupting the installation may result in system corruption (i.e., the Fiery Controller hangs at AA for longer than 10 minutes during startup). If the system is corrupted, you must repeat the system software installation beginning from step 12.

During the first 10 minutes of the installation, the Fiery Controller reboots multiple times; the LED display shows 00 and AA during each reboot. Afterwards, the display remains at 03 for approximately 35 minutes. Then the Fiery Controller automatically reboots several more times, showing 00 and AA each time, until the installation is complete.

When the installation is complete, the LED display reaches and remains at 00 for longer than 5 minutes.

20. Power off the Fiery Controller by pressing and holding down the power button for 5 seconds until the green light goes out.

**NOTE:** Be sure to use the power button to power off the system; do not use the power switch. Using the power switch may result in system corruption (i.e., the Fiery Controller hangs at AA for longer than 10 minutes during startup). If the system is corrupted, you must repeat the system software installation beginning from step 12.
21. If the printer is not already on, power it on.  
Make sure that the printer is configured for DHCP communication.

**NOTE:** The printer IP settings are configured by default to DHCP, but may have been changed by your network administrator. DHCP is required for proper communication between the printer and the Fiery Controller.

A. Press the Log In/Out button on the printer control panel. Enter the system administrator user name and password to log in to the printer. (The default user name is “admin”; the default password is “1111”. In some cases, you may not need to enter the password.) Touch Enter.

B. Press the Machine Status button.

C. Touch the Tools tab. Then touch Network Settings > TCP/IP Settings. Make sure that the settings are configured as follows:
   - TCPIP Enablement is set to “IPv4 Enabled.” (IPv6 may be either enabled or disabled.)
   - Dynamic Addressing is set to “DHCP.”

   If a setting change is required, touch the setting name, specify the correct setting, and then touch Save.

D. Touch Close.

E. Touch the admin tab at the top of the screen. (If the System Administrator user name has been changed from the default, the tab will show that name instead.) Touch Log Out.

22. Power off the printer. If the printer is connected to the network, disconnect it.
23. Place the Fiery Controller beside the printer. Connect the Fiery Controller to the network, the printer, and a power outlet as shown.

   A. For the connection to the printer, use the **crossover Ethernet** cable provided with the Fiery Controller.

   B. For the connection to the network, use a **straight-through Ethernet** cable (not provided).

24. Power on the Fiery Controller by pressing the power button once.
25. Wait for the LEDs to reach and remain at 00.

It takes approximately 3 minutes for the Fiery Controller to start up and reach 00. At first the LED display flashes sporadically and shows 00; then it shows AA for some time before reaching and remaining at 00.
26. Power on the printer, and wait for the Fiery Controller Start page to be printed. If it has been enabled, the printer Configuration Report will also be printed.

⚠️ Do not power on the printer until the Fiery Controller LEDs reach and remain at 00. AFTER THE PRINTER HAS BEEN POWERED ON, DO NOT TOUCH THE PRINTER UNTIL THE START PAGE IS PRINTED!

A. Wait approximately 3 minutes for the printer to start up and print the Start page. During this time, little or no activity is indicated on the printer control panel.

B. Verify that “WorkCentre 7700 Series (EFI)” appears on the Start page. The IP address of the Fiery Controller is listed under Protocol Setup.

If the Start page fails to print, do the following:

A. Press the Job Status button and check if the Start page is being “Held for Resources.” If this is the case, make sure that there is Letter LEF or A4 LEF plain paper loaded in an internal tray. The printer requires one of these paper stocks in order to print the Start page.

B. If the Configuration Report was printed during startup, look under Common User Data and verify that the IP address of the printer is set to 100.100.100.101. (If the Configuration Report was not printed during startup, first press the Machine Status button on the printer control panel, touch the Machine Information tab, touch Information Pages > Configuration Report, and then touch Print.)

If the address is not correct, check and reseat the cable between the Fiery Controller and the printer. Power off and then power on the printer.
27. After the Start page is printed, press the Services button on the printer control panel, and verify that the Fiery icon appears on the screen.

If needed, touch Services Home to display the icon.

**NOTE:** If the Fiery icon is correctly displayed on the printer control panel, proceed to step 28 on page 17. If the Fiery icon fails to appear, see the troubleshooting steps on page 16.
To troubleshoot a Fiery icon that fails to appear:

A. Press the Clear All button on the printer control panel.

B. Press and hold down the power button on the Fiery Controller for 5 seconds until the green light goes out and the system powers off. Then press the power button once to power on the system. Wait for the Fiery Controller LED display to reach and remain at 00.

C. After the Fiery Controller reaches 00, press Clear All again.

D. Make sure that the Fiery Controller and the printer have the same time and date information. If the time and date information do not match on both devices, the Fiery icon may fail to appear.

If the Fiery icon still fails to appear, continue with the troubleshooting steps described below.

E. Static network users only (DHCP network users, skip to step F):
   - Power off the printer.
   - Disconnect the printer from the Fiery Controller. Use a straight-through Ethernet cable to connect the printer to the network.
   - Configure a temporary static IP address for the printer. For detailed instructions, see step 32 on page 19.

F. Enable printer settings in Centreware Internet Services:
   - Open a Web browser on a client PC.
     **DHCP network users:** Type the Fiery Controller IP address into the address field of the browser and press Enter. (The IP address appears under Protocol Setup on the Start page.) On the WebTools home page, click the underlined link “Xerox WorkCentre.”
     **Static network users:** Type the printer IP address (assigned in step E) into the address field of the browser and press Enter.
   - On the Centreware Internet Services page, click Login. Enter the system administrator user ID and password. (The default user ID is “admin”; the default password is “1111”. Then click Login.
   - Click the Properties tab. Click General Setup > Extensible Services Setup. If Extensible Service Registration is not already enabled, click Configure next to the setting. Scroll down to Remote System Management and select Enable for Extensible Service Registration. Then click Save.
   - Navigate back to Properties > General Setup > Extensible Services Setup. Under Browser Settings, select Enable the Extensible Services Browser. Then scroll down and click Apply.

G. Static network users only: Repeat the installation procedure, beginning from step 21 on page 11.

H. If the Fiery icon still fails to appear, reboot the Fiery Controller (see step B. above).
28. If required, configure additional setup options for the Fiery Controller.

*NOTE:* If you do not need to configure additional setup options such as static IP or 802.1x settings, you may skip this step.

A. Press the Services button on the printer control panel. If you do not see the service icons, touch Services Home.

B. Touch the Fiery icon on the printer touch panel.

C. Touch the Setup tab.

D. Select the Administrator option and then touch the password field. On the keyboard that appears on the touch panel, enter the Administrator password for the Fiery Controller. (The default case-sensitive password is “Fiery.1”.) Then touch Save, and touch Login.

The main setup screen appears. Configure setup options as needed:

**To configure a static IP address for the Fiery Controller:**

A. Under Network Setup, touch TCP/IP > Ethernet. Configure the following settings:
   - Set IPv4 Address Type to “Manual.”
   - Touch the IP Address field; on the keyboard that appears, enter the Fiery Controller IP address specified by your network administrator.
   - Set the Subnet Mask to the value specified by your network administrator.
   - Set the Gateway Type to “Manual.”
   - Set the Gateway Address to the address specified by your network administrator.

B. Touch Save Changes. Then touch Exit.

C. At the main setup screen, touch Restart Server > Reboot System. Allow the Fiery Controller to reboot.

D. Wait for the Start page to print.

It takes approximately 3 minutes for the Fiery Controller to reboot and the printer to print the Start page. The Fiery Controller IP address appears under “Protocol Setup” on the Start page.

**To configure 802.1x settings for the Fiery Controller:**

A. Under Network Setup, touch 802.1x Setup. Configure the settings as needed (for more information, see *Configuration and Setup* on the User Documentation CD). Touch Save Changes.

B. At the main setup screen, touch Restart Server > Reboot System. Allow the Fiery Controller to reboot.

C. Wait for the Start page to print.

It takes approximately 3 minutes for the Fiery Controller to reboot and the printer to print the Start page. The Fiery Controller IP address appears under “Protocol Setup” on the Start page.

29. You have completed installation of the Fiery Controller in Direct Connection mode. If you wish to remain in Direct Connection mode, stop here. Be sure to store this document in a secure location near the Fiery Controller in case you need to redo any of the installation steps at a later time.

If you wish to install the Fiery Controller in optional Network Switch Connection mode, proceed to the next section to continue the installation.
Fiery Installation Instructions for the WorkCentre 7700 Series MFP

Network Switch Connection (Optional)

**IMPORTANT:** This section describes the additional steps required to install the Fiery Controller in Network Switch Connection mode. This optional configuration mode allows users to access third-party applications on the printer.

30. Before beginning this section, make sure that you have completed all the steps (step 1 through step 29) in the “Basic Installation” section; otherwise, the installation will fail.

31. **Prepare to shut down the Fiery Controller by doing the following:**

   A. Press the Services button on the printer control panel. If you do not see the service icons, touch Services Home.

   B. Touch the Fiery icon on the printer touch panel.

   C. Touch the Jobs tab and then touch Login.

   D. Select the Administrator option and then touch the password field. On the keyboard that appears on the touch panel, enter the Administrator password for the Fiery Controller. (The default case-sensitive password is “Fiery.1”.) Then touch Save and touch Login.

   E. Touch Restart Server.

   F. Touch Shut Down System.

   Wait until the LED display on the Fiery Controller goes blank and the system powers off completely.
32. If required, configure a static IP address for the printer; otherwise, skip to step 33.

A. Press the Log In/Out button on the printer control panel. Enter the System Administrator user name and password to log in to the printer. (The default user name is “admin”; the default password is “1111”. In some cases, you may not need to enter the password.) Touch Enter.

B. Press the Machine Status button.

C. Touch the Tools tab. Then touch Network Settings > TCP/IP Settings.

D. Touch Dynamic Addressing and select Disabled. Then touch Save.

E. Touch IP Address/Host Name. Set IPv4 Address to the printer IP address specified by your network administrator. Then touch Close.

F. Touch Subnet and Gateway, and configure the settings as follows:
   - Set IP Gateway to the gateway address specified by your network administrator.
   - Set Subnet Mask to the value specified by your network administrator.
   - After you configure the settings, touch Close.

G. Touch the admin tab at the top of the screen. (The tab will show a different user name if the System Administrator user name has been changed from the default.) Touch Log Out.

H. Allow the printer to reboot automatically.

I. If the printer Configuration Report was printed during startup, look under Common User Data and verify that the IP address of the printer is set to the static IP address that you configured in step E. (If the Configuration Report was not printed during startup, first press the Machine Status button on the printer control panel, touch the Machine Information tab, touch Information Pages > Configuration Report, and then touch Print.)
33. Power off the printer.

34. Disconnect the existing cable configuration. Connect the printer, Fiery Controller, network switch, and network switch power supply as shown.

Use the following guidelines:

- Use straight-through Ethernet cables (not provided) to connect the Fiery Controller and printer to the network switch, and the network switch to the network. Be sure to connect each cable to the correct connector on the Fiery Controller.

- The Ethernet ports on the network switch are identical in function and may be used interchangeably.

- The crossover Ethernet cable is not used in Network Switch Connection mode.
35. Power on the Fiery Controller by pressing the power button once. Wait for the LEDs to reach and remain at 00.

It takes approximately 3 minutes for the Fiery Controller to start up and reach 00. At first the LED display flashes sporadically and shows 00; then it shows AA for some time before reaching and remaining at 00.
36. Power on the printer, and wait for the Start page to be printed. If it is enabled, the printer Configuration Report will also be printed.

⚠️ Do not power on the printer until the Fiery Controller LEDs reach and remain at 00. AFTER THE PRINTER HAS BEEN POWERED ON, DO NOT TOUCH THE PRINTER UNTIL THE START PAGE IS PRINTED!

A. Wait approximately 6 minutes until the Start page is printed. During this time, the Fiery Controller automatically configures the network switch connection to the printer and reboots once.

B. On the Start page, verify that “Configuration Mode: Network Switch” appears under “Printer Information.” The printer IP address also appears under “Printer Information.”

You have now completed the installation for Network Switch Connection mode. Be sure to store this document in a secure location near the Fiery Controller in case you need to redo any of the installation steps at a later time.