



Fiery® Installer Builder User Guide

Fiery Installer Builder is a Windows application intended for Fiery Service Technicians and is used to download and install Fiery system software. Use the Fiery Installer Builder to perform the following tasks:

- Download Fiery system software files to a local or network storage location.
- Format and load the system software on a USB drive for system software installation.
- Prepare a spare SATA or NVMe drive for installation as a replacement of the factory disk drive.
- Perform a network installation using a peer-to-peer Ethernet cable connection.

You can download Fiery Installer Builder from the [Fiery Partner Portal](#).

In this document, the following terminology is used.

- USB drive
The term USB drive includes any external USB storage devices such as USB flash drives, USB pen drives, and USB SSDs/HDDs.
- SATA drives
SATA SSDs or HDDs used to replace the Fiery server factory storage drive.
- NVMe drives
NVMe SSDs used to replace the Fiery server factory storage drive.
- Network installation
This method installs Fiery system software using a peer-to-peer Ethernet connection between the Fiery Installer Builder host and the Fiery server.

Fiery Installer Builder Feature Summary

The following table summarizes the supported installation methods and related hardware information based on the type of Fiery server.

Installation method	Fiery NX servers	Fiery A-series and E-series servers	Additional hardware required
USB drive installation	Minimum 32 GB for single image and 64 GB or more for multiple images.	Minimum 16 GB for single image and 64 GB or more for multiple images.	An external USB drive is required. For optimal performance, use a high speed (1050 MB/s read and 1000 MB/s write speeds or better) USB 3.x drive connected to the host PC USB 3.x port.



Installation method	Fiery NX servers	Fiery A-series and E-series servers	Additional hardware required
SATA or NVMe drive	Supported	-	<ul style="list-style-type: none"> • Replacement SATA or NVMe drive • SATA to USB adapter • USB to NVMe adapter
Network Installation	-	Supported	Ethernet cable

Prerequisites

To support all installation methods, you need the following items:

- Any Windows computer with:

- Windows 10 or Windows 11

- USB port

USB 3.x is recommended for faster installation.

- An active Internet connection

Internet access is required to download product images from the Fiery cloud.

- Fiery Partner Portal credentials

Use your Fiery Partner Portal credentials to authenticate and download product images.

Note on resetting Fiery Partner Portal credentials password: If you reset your Fiery Partner Portal account password, you must wait at least five minutes before logging back in to ensure the update is complete.

You can also authenticate via the Fiery server; just enter the Fiery server's IP address, user name, and password.

Note: If you authenticate via the Fiery server, you'll download and install the server's installed system software. For the latest version from the Fiery cloud, authenticate with your Fiery Partner Portal credentials.

- USB drive

- You may use any external USB drive compatible with Windows 10 or Windows 11.

- For best performance, we recommend using USB 3.x drives with high read/write speeds.

- Note that actual USB drive capacities are always less than advertised. Fiery Installer Builder does not check the image size against the USB available storage space. Make sure you have adequate storage space in your USB drive before preparing the image(s).

- SATA or NVMe drive

This option is available when you are replacing the factory SSD/HDD boot drive on a Fiery NX server.

If you are replacing the SSD/HDD on the Fiery server, you need a SATA to USB adapter or a USB to NVMe adapter. With these adapters, you can connect a spare SATA or NVMe drive to the USB 3.x port on the Windows computer in which you installed Fiery Installer Builder, and prepare the spare drive for installation on the Fiery server. The spare drive will be formatted and the system software will be copied to a recovery folder on the spare drive.

Note: USB 3.0 to 2.5" SATA III drive adapters and USB to NVMe adapters are available from various retailers. Some Fiery servers include the adapter in the Fiery Service Kit.

- Ethernet cable

An Ethernet cable is needed when installing a product image via a peer-to-peer network between the host computer and Fiery A-series or E-series servers.

Basic operations

This section explains the basic operations of Fiery Installer Builder.

Installing Fiery Installer Builder on the host Windows PC

- 1 Download Fiery Installer Builder from the [Fiery Partner Portal](#).

- 2 Read the license agreement.

- 3 Click **Accept** to start downloading the software.

- 4 Navigate to the downloaded Fiery Installer Builder software file and double-click the .exe file.

When the installation is complete, the Fiery Installer Builder window appears automatically. The Fiery Installer Builder icon is placed on the Windows desktop.

Note: Fiery Installer Builder is a self-updating application. When a newer version is detected, Fiery Installer Builder downloads and installs the updated program files without user interaction.

Uninstalling Fiery Installer Builder

- From the Windows Control Panel, select **Uninstall a program**. Right-click the **Fiery Installer Builder** and select **Uninstall**.

Using Fiery Installer Builder

- 1 Double-click the Fiery Installer Builder icon on the desktop.



CAUTION Do not exit Fiery Installer Builder before it completes the startup process. Exiting the program too early may damage the installer.

- 2 If you start Fiery Installer Builder for the first time, the **Select location** window appears. Specify the folder that you will use to store Fiery product images.

You can browse or type the location on the local disk drive, USB drive, or network. Fiery Installer Builder will remember this folder location so that you don't have to enter the folder name again the next time you start application.

You can change the storage location in the Settings window. See [Change the product storage location](#) on page 6 for details.

- 3 If you have started Fiery Installer Builder before, the downloaded product images are listed in the window. The **Add a new product icon** appears if there is no product in the storage folder.

From this window, you can perform the following tasks:

- Download Fiery system software images from the cloud to a local or network storage location
- Remove product images from storage folders
- Format and load the system software on a USB drive for system software installation
- Prepare a spare SATA or NVMe drive to use as a replacement
- Network Installation via a peer-to-peer Ethernet cable connection
- Change the sort order of the downloaded software images using the **Sort by** icon.

Default sort order is ascending.

Add a product image from the Fiery cloud

- 1 Open Fiery Installer Builder.
- 2 Click **Add**.
- 3 At the **Fiery Partner Portal** window, enter your credentials and click **Login**. Proceed to step 4.
 - Use your Fiery Partner Portal login username and password to authenticate.
- 4 At the **Select a Brand** window, click a brand name.
- 5 At the **Select a Product** window, click the product image you want to install.
 - If **Select a Build** window appears, select the build you want to install.
 - You can use **Sort by** arrows in **Select a Product** and **Select a Build** windows for easy search.
- 6 At the **Summary** window, click **Terms of Use** and **Privacy Policy** links to read the software license terms and conditions.
- 7 Click the check box if you agree with the terms and conditions, and click **Accept** to start the software download.

A status bar appears to show the progress. Wait until the download is complete.

You can use the **Pause** button to stop downloading temporarily. To resume the download, click the **Resume** button.
- 8 When you finish downloading, you will need to prepare the image for installation.

For detailed procedures for installing the system software, see the *Installation and Service Guide* or *Service Guide* for the product.

To add a product image from a Fiery Server Connection

- 1 Open Fiery Installer Builder.
 - 2 Click **Add**.
 - 3 Click the **Fiery server** link, then log in to the Fiery server by following the steps below.
 - 1 At the **Please type a location** prompt, enter the name or IP address of your Fiery server, and click **Next**.
 - 2 Enter Username and Password of the Fiery administrator, and click **Next** to log in to the server.

Contact the site administrator for the administrator's account information.
 - 4 At the **Select a Brand** window, click a brand name.
 - 5 At the **Select a Product** window, select a product image that you want to download.
 - If **Select a Build** window appears, select the build you want to install.
 - You can use **Sort by** arrows in **Select a Product** and **Select a Build** windows for easy search.
 - 6 At the **Summary** window, click **Terms of Use and Privacy Policy** links to read the software license terms and conditions.
 - 7 Click the check box if you agree with the terms and conditions, and click **Accept** to start the software download.

A status bar appears to show the progress. Wait until the download is complete.
 - 8 When you finish downloading, exit Fiery Installer Builder and remove the USB drive from the computer. You can prepare the USB drive to install the system software on the Fiery server.
- For detailed procedures for installing the system software, see the *Installation and Service Guide* or *Service Guide* for the product.

Remove the product image from the storage folder

- 1 Start Fiery Installer Builder.
- 2 At the window listing the product images, select a product image from the list and click **Remove**.
- 3 At the confirmation window, click **OK**.

Update a product image

Fiery Installer Builder detects when updated images are available for a product, it shows **Update** next to the **Prepare action** menu. You can download the updated product image by clicking **Update**.

- 1 Start Fiery Installer Builder.

If there are any updates or patches available for a product, the **Update** button appears next to the **Prepare action** menu.
- 2 Click **Update** to start the update process.

- 3 Read the summary.
- 4 Click the check box if you agree with the terms and conditions, and click **Accept** to proceed.
- 5 Log in to the Fiery Partner Portal.
Wait until the download is complete.

Change the product storage location

You may have specified a storage location in your local computer when you first started Fiery Installer Builder. You can change this location to a different folder or drive. For example, you can change the location to a USB drive that you use for installation. In this case, you can select a product image in the USB drive and prepare the USB using that product image. This method allows you to use the USB drive not only as an installation media but also as an image repository.

Steps to change the storage location:

- 1 Click the **Settings** icon on the lower left corner.
- 2 Under **Product storage location**, click **Browse** to specify a storage location.
 - If 32 GB USB drives are used, Fiery Installer Builder will format the USB drive and create two partitions: one NTFS and one FAT32. Fiery Installer Builder then copies the image build in the NTFS partition, makes the FAT32 partition bootable, and copies the corresponding image files.
- 3 Click the **Home** icon on the upper left of the Fiery Installer Builder window to see the product images stored on the specified location.

Generate log files

Fiery Installer Builder can generate log files for use by technical support.

- 1 In the Fiery Installer Builder windows, click the **Settings** button on the lower right corner.
- 2 Click **Generate Logs** and specify the file name and location where you want to save the file.
- 3 Click **Save**.
- 4 The log files will be saved in the location selected in step 2.

Preparing external USB drives for Fiery software installation

You can use USB drives to install Fiery system software on Fiery NX, A, and E-series servers. Make sure that you are using a USB drive that meets the conditions described in [Prerequisites](#) on page 2.

If you use a USB drive larger than 32 GB, you can save multiple Fiery product images (see [Fiery Installer Builder Feature Summary](#) on page 1).

Before you prepare the USB drive, you must download the product image from the Fiery Cloud.

Preparing USB drive for a single product image

- 1 Connect the USB drive to the host computer.
- 2 Open Fiery Installer Builder.
- 3 At the window listing the products, select a product from the list.
- 4 From the **Prepare action** menu, select **Prepare USB drive**.
- 5 Click **Next**.
- 6 At the **Select USB drive** window, click the USB device you attached to the computer, and click **Next**.

If more than one USB devices are displayed, make sure to select the correct USB drive that you will use for installing the system software. Different icons are displayed depending on the type of USB drive detected.

If the USB drive is not formatted properly, a warning message appears before the USB drive is formatted. Click **Yes** to format the drive and proceed.

For USB drives larger than 32 GB, go to the next section "Prepare a USB drive for multiple product images"



CAUTION All data on the USB drive will be lost after format. Make sure that no valuable data resides on the device.

Note: It will take some time to format and prepare the external USB drive for Fiery Software installation. Do not interrupt the operation.

- 7 Once the preparation is completed, safely disconnect the USB drive from the computer.
You can now use the USB drive to install Fiery system software on the Fiery server.

Prepare a USB drive for multiple product images

You must use a USB drive larger than 32 GB to load more than one product image.

You can select a product image in a storage location and make the image installable. The FAT32 partition will be updated with the new image and the product image will be copied to "Software Release" in the NTFS partition of the USB drive.

Note: If you do not select a product image to install, the FAT32 partition of the USB drive has been formatted for the product image that was most recently prepared or made installable. Make sure to select the product you want to install and make it installable.

- 1 Prepare a USB drive larger than 32 GB by following the procedure in [Preparing USB drive for a single product image](#) on page 7.
- 2 Add product images to the local storage location (see [Add a product image from the Fiery cloud](#) on page 4).
- 3 Select the product image you want to install, and from the **Prepare action** menu, select **Make it installable**.

Installing Fiery system software using the prepared USB drive

The installation procedure using USB drives differs depending on the Fiery server hardware platform. For detailed procedures, see the *Installation and Service Guide* or *Service Guide* for the Fiery server you are servicing.

Preparing SATA or NVMe drives (Fiery NX servers only)

You can use Fiery Installer Builder to prepare a spare SATA SSD/HDD, or an NVMe SSD to use as a replacement.


Process to prepare a SATA/NVMe drive:

- Properly format the drive
- Load the system software on the drive

It is recommended to prepare the drive before you visit the customer site.

Proper handling of the SATA/NVMe drive

When you prepare the drive, please remember the following:

 **CAUTION** Improper handling can damage the drive. Handle the drive with extreme care.

- Use proper ESD practices when grounding yourself and the Fiery server.
- Keep magnetic and magnetic-sensitive objects away from the drive.
- Do not remove the screws on top of the drive. Loosening these screws voids the warranty.
- Never drop, shake, bump, or put excessive pressure on the drive.
- Handle the drive by its sides and avoid touching the printed circuit board.
- Allow the drive to reach room temperature before installation.

When you carry the drive to a customer site, remember the following:

- Keep the drive inside the ESD bag until you are ready to physically install it into the computer system.
- Avoid shaking the drive.

Preparing SATA/NVMe drives

- 1 Attach the USB to SATA/NVMe adapter to a USB 3.x port on the computer in which you installed Fiery Installer Builder.
- 2 Connect the drive to the other end of the USB to SATA/NVMe adapter.
- 3 Start Fiery Installer Builder.
- 4 At the window listing the products, select the product image to install.
- 5 From the **Prepare action** menu, select **Prepare SATA drive**.
- 6 At the **Select a SATA drive** window, click the SATA/NVMe drive that you connected to the computer.
- 7 Click **Next**.

The drive will be formatted and the product image you selected will be loaded on the drive.

- 8 Once the drive is prepared, remove the drive from the USB to SATA/NVMe adapter.

You can now install the drive on the Fiery server.

For detailed instructions on how to install the disk drives on the Fiery server, see the *Installation and Service Guide*.

Note: If you are installing a drive on a Fiery server that is equipped with Fiery QuickTouch, follow the instructions shown on the Fiery LCD screen.

Installing Fiery system software using the SATA/NVMe drive

The Fiery server system software is stored in a recovery folder on the prepared replacement drive. Replace the drive on the Fiery server with the prepared SATA/NVMe drive and restore the Fiery server system software from the recovery folder on the SATA/NVMe drive.

- 1 Remove all USB devices connected to the Fiery server.
- 2 Shut down the Fiery server (see *Installation and Service Guide* for details).
- 3 Remove all external cables from the Fiery server.
- 4 Open the Fiery server (see *Installation and Service Guide*).
- 5 Replace the SATA/NVMe drive on the Fiery server with the prepared replacement drive.
 - **For SATA drives:** Replace the drive that is connected to SATA 0 connector on the motherboard.
 - If a DVD drive is connected to the SATA 0 connector on the motherboard, replace the drive that is connected to the SATA 1 connector.
 - **For NVMe drives:** Replace the drive that is inserted into NVMe slot on the motherboard with the prepared NVMe drive.

For more information, see *Installation and Service Guide* for your Fiery server.

- 6 Reassemble the Fiery server (see *Installation and Service Guide*).
- 7 Plug the power cable into the wall power outlet.
- 8 Start the Fiery server (see *Installation and Service Guide*).
Allow the Fiery server to start.
- 9 Follow the on-screen instructions on the Fiery LCD display or through the monitor connected to the Fiery server.

Install the system software through network connection (Fiery A-series or E-series servers only)

Use the Ethernet port designated for network connection to install Fiery system software. When you install the system software, all the data and configuration information on the server disk drive will be lost. Make sure to create a backup of the data and system configuration.

- 1 Remove all USB devices that may be connected to the Fiery server.

2 If possible, print the Configuration pages.

The Configuration pages contain a list of installed options and a record of the customer's current Setup configuration.

3 Power on the Windows computer and do the following:

- Open Fiery Installer Builder.
- Close all software applications except Fiery Installer Builder.
- Make sure that the Windows computer is configured to obtain its IP address automatically (DHCP).
- Remove any network cables between the Windows computer and the customer network.
- Disable all power-save and hibernation settings.

CAUTION It is important that you complete all the tasks in the preceding list. If you do not complete these tasks, the installation may fail.

4 At the **Downloaded** window of the Fiery Installer Builder, select the product image that you are going to install.

5 From the **Preparation action** list, select **Perform Network installation**.

6 Read the instructions in the window and click **Next**.

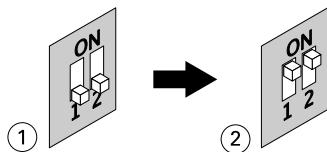
7 Power off the Fiery server (see the *Service Guide*).

8 Remove all external cables from the Fiery server, except the power cable.

Note: Be sure to leave the power cable connected between the Fiery server and the power outlet.

9 Flip both Fiery server service switches to the Service (ON) position.

Figure 1: Flipping the Fiery server service switches



1 Flip the service switches from normal (OFF) position

2 Flip the service switches to service mode (ON) position

Note: After you install the system software, return the service switches to normal mode (both switches set to OFF).

10 Connect the Ethernet cable between the Fiery server network port and an Ethernet port on the Windows computer.

- 11** Power ON the Fiery server, click **Next** on FIB and select the network connection that corresponds to the network port that you have attached the Ethernet cable, then click **Next**.

The C1, C2, C3 readings will be displayed on the LED around 120 seconds (when Fiery server and Windows computer are synchronized) or 00 will be displayed around 130 seconds (when Fiery server and Windows computer are not synchronized).

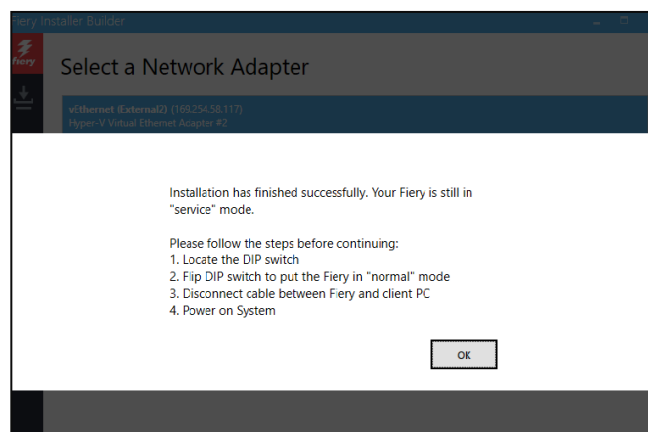
A message appears stating that the installation has started.

If the Windows computer connected to the Fiery server is slow, there is a chance that the installation may fail when the Windows computer and Fiery server synchronization is not happened immediately. The LED will display 00 and reinstallation is required in that case. Repeat from [step 4](#) on page 10 and at [step 11](#) on page 11, click **Next** on FIB and select the network connection that corresponds to the network port that you have attached the Ethernet cable, then click **Next**. After the message appears, power ON the Fiery server.

- 12** LED display on Fiery server starts showing C1 C2 C3 for approximately 12 minutes. The time may vary depends on the speed of the Windows computer and the size of the product image.

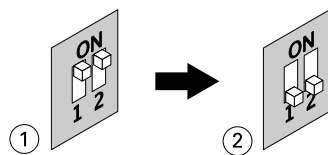
After the copying is complete, the Fiery server will shut down automatically and show the message below:

Figure 2: Fiery server shut down



- 13** Flip both of the Fiery server service switches to the OFF position.

Figure 3: Flipping the Fiery server service switches



- 1 Flip the service switches from service mode (ON) position
- 2 Flip the service switches to normal (OFF) position

- 14** Disconnect the Ethernet cable from the Fiery server network port and the Windows computer.
- 15** Reconnect all the cables that were connected to the Fiery server.
- 16** Make sure that the Fiery server power switch is in the ON (I) position, and power on the Fiery server.
See the *Configuration and Setup Guide*, which is part of the user documentation set for more details.

- 17** After the Fiery server is powered ON, the LED display takes about 18 seconds to show 00 and moves to FF state (approximately after 11 minutes).

The Fiery server then shows 00 (approximately after 18 minutes).