

Fiery IQ Help for Cutsheet printers

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Fiery IQ

Fiery IQ is a suite of cloud applications and services that includes a range of web applications for print service providers.

Web applications on the Fiery IQ suite of applications simplify and improve print operations. You can reduce downtime and maximize productivity by monitoring your printers remotely. Fiery IQ provides print production analytics, so you can make smarter and more informed decisions.

You can sign in to Fiery IQ with an existing Fiery Account or create a new Fiery Account to access the Fiery IQ cloud services. For more information, see Access Fiery IQ using Fiery Account credentials on page 9.

Fiery IQ includes the following cloud applications:

• Fiery Dashboard

Get a quick real-time overview of the current day's key production metrics.

• Fiery Cloud Connector

Connect printers to Fiery IQ.

• Fiery ColorGuard

Achieve consistent, accurate color quality on your Fiery Driven devices with a streamlined color verification process.

Note: You can activate Fiery ColorGuard with a subscription.

• Fiery Manage

Remotely monitor and troubleshoot your printers, identify production-blocking events, and keep your fleet compliant with your company's standard operating procedures.

Note: You can activate Fiery Manage with a subscription.

• EFI Go

Check printer status, review submitted jobs, and view history from your mobile device.

• Fiery Insight

Maximize utilization and profit from your printers with accurate production tracking.

• Fiery Notify

Subscribe to scheduled production reports and alerts of production blocking events.

Supported browsers and operating systems

The Fiery IQ suite of cloud applications and services supports the browsers and operating systems listed below.

Browsers

- Google Chrome
- Microsoft Edge
- Mozilla Firefox
- Safari 11 or later

Operating systems

Note: The Fiery IQ Client application supports x64-bit operating systems only.

- Windows 10 or later
- macOS Catalina 10.15 or later

Supported print devices

Fiery IQ supports printers connected to Fiery servers running Fiery system software FS200/200 Pro and later.

Definitions

The following are definitions for terms commonly found in this document:

• A Company, or customer, is the entity using one or more of the Fiery IQ applications.

When creating a company account, specify a company name, physical address, and at least one user who is, by default, the owner of the company account. Specifying the company details will also help identify other individual users who may be associated with the same company account at a later point in time.

- A Tenant account is created for each company that utilizes the Fiery IQ cloud.
- A User is an individual within a Tenant account. Someone with a user account logs in to Fiery IQ with a unique login name, which is associated with user privileges. Additional user accounts can be created at the Tenant administrator's discretion.

User attributes include first and last name, company (the Tenant account to which the user belongs), user role, and assigned printers, which can be individual printers or printer collections.

- A Fiery IQ Admin is a user with administrator privileges in Fiery IQ. Fiery IQ Admin users can manage users, groups, devices, and company. Fiery IQ Admin can grant administrator privileges to other users within a Tenant account.
- A Group is used to grant users access to registered devices in a Tenant account.

A Fiery IQ Admin can assign users to a Group or Groups so they can access specific devices.

• A Device is a printer connected to the Fiery IQ cloud through a Fiery server.

Access Fiery IQ using Fiery Account credentials

You can sign in to Fiery IQ with an existing Fiery Account or create a new Fiery Account to access the Fiery IQ cloud services.

Note: A valid email address is required to create a new Fiery Account.

An existing Fiery Account must be associated with a company to access the Fiery IQ cloud services. When you sign in with an existing Fiery Account, proceed to step 7 on page 9 to update your company information.

- 1 From your browser, go to https://iq.fiery.com.
- 2 Click Sign Up.
- **3** Type your information into the text fields.

Note: Text fields marked with an asterisk are required.

4 Click Continue.

Fiery IQ sends an enrollment email containing a six-digit code to your email address.

5 To verify your email address, type the six-digit code and click **Continue**.

Note: If you did not receive the enrollment email, check your spam or junk folders.

- 6 Click Continue.
- 7 Type your company information and click **Continue**.

Note: Text fields marked with an asterisk are required.

- **8** Do one of the following:
 - Click Request to join if you want to join the existing company account.

Fiery IQ sends a request to the company administrator. You can access Fiery IQ when the request is approved.

- Click Create a company account if you want to create your own company account.
- **9** If required, click **Continue**.
- **10** If required, sign in to Fiery IQ using your Fiery Account credentials.
- **11** Follow the on-screen instructions to connect your printers to Fiery IQ.

For information on connecting a printer to Fiery IQ, see Fiery Cloud Connector on page 21.

Update account settings

You can update or view the personal information, password, company information, and multi-account information in Fiery IQ.

1 Log on to Fiery IQ using your Fiery Account credentials.

The Fiery Dashboard appears.

- **2** Click (2) in the upper-right corner and select **User settings**.
- **3** Modify the following information as required:
 - If you want to modify your personal or company information, click Edit in the appropriate widget.
 - If you want to remove the company associated with your Fiery Account, click Leave company and then click Confirm.

Note: Only admin and operator users can leave a company. If the last admin user leaves the company, the company account is deleted, and other users in the company account cannot use Fiery IQ.

- If you want to change your Fiery Account password, click **Change password** and follow the onscreen instructions.
- If you want to delete your Fiery Account, click **Delete my account**, follow the onscreen instructions and type the six-digit One Time Password (OTP) sent to your email address.

Note: If the last admin user deletes their Fiery Account, the company account is deleted, and other users in the company account cannot use Fiery IQ.

• If you want to modify your email preferences, click **Email notification preferences**, select or clear the check box according to your preference, and click **Confirm**.

Fiery Dashboard

After logging on to the Fiery IQ cloud application, you can view the Fiery Dashboard webpage.

From the **Dashboard**, you can:

- View a summary of all printers which includes the following details:
 - Total devices all printers registered in Fiery IQ.
 - Error devices number of printers that are currently in an error state.
 - Offline devices number of printers that are currently offline.
 - Jobs printed number of jobs printed by all printers.
 - Total users number of users registered in Fiery IQ.
 - Utilization cumulative utilization of all printers on a horizontal bar that displays utilization time based on the printer status, such as Idle, Error, Printing, or Disconnected.
- Access the following cloud applications:
 - ColorGuard
 - Manage
 - Insight
 - Notify
- Choose how to view your printer summary in one the following ways:
 - Grid view default view on the Fiery Dashboard.

Click **##** to access your printer summary in a grid view.

Each tile displays an individual printer with its current status and the following printing properties:

- **Jobs printed** number of jobs printed by the printer.
- Impressions number of pages printed for all printed jobs.
- Color impressions number of color pages printed for all printed jobs.
- **B&W impressions** number of black and white pages printed for all printed jobs.

You can select a tile to view additional details of the listed printer.

• List view - Click to access your printer summary in a list view.

The list view displays all printers and other printer details such as name, model, IP address, Fiery Cloud Connector status, and device status.

You can select a printer from the **All devices** list. You can search for a printer by typing its name, model, IP address, Fiery Cloud Connector status, or device status in the **Search** field.

To view additional information about a printer, select one of the rows in the list.

Change active application in Fiery IQ

You can change the active application shown in Fiery IQ.

- 1 Click **III** in the Fiery IQ cloud application.
- **2** Select the desired application to open.

Switch between company accounts

You can switch to another company account in Fiery IQ if you are assigned to more than one account.

Note: The Fiery IQ cloud application supports the switching between company accounts feature.

- **1** Click \bigcirc in the Fiery IQ cloud application.
- 2 Click Launch site next to the desired account to open the Fiery Dashboard.

Fiery Admin console

The Fiery IQ administrator functions allow you to manage users and devices across all the Fiery IQ applications.

Add a new user to your company account

You can add a new user to your company account by accessing the **Admin console** and signing on as an administrator.

- 1 In Fiery IQ, click Admin console ($\mathcal{E}_{\mathbf{Q}}$).
- 2 Click Users.
- 3 Click Add new user.
- 4 Type the Email address, First name, and Last name.

Note: The **First name** and **Last name** fields accept alphanumeric and special characters with a maximum limit of 128 characters.

- **5** Select the role of the user from one of the following:
 - Admin has access to all printers and Fiery IQ administrator functions.
 - **Operator** has access to printers assigned by an administrator and does not have access to Fiery Manage and Fiery IQ administrator functions.
 - Support has access to one or more company accounts and access to administrator functions.

An existing Fiery IQ user, assigned with either an adminstrator or operator role, can be invited only as a support user to join multiple company accounts.

An existing Fiery IQ user, assigned with only a support role, can be invited as an administrator or operator user in only one company account.

- 6 Click Next.
- 7 If prompted, select a user group, device collections, or individual devices for the user and click **Done**.

An activation email will be sent to the new user.

Add a new user group to your company account

You can add a new group of users to your company account.

- **1** In Fiery IQ, click Admin console (\mathcal{E}_{\diamond}) .
- 2 Click Groups.

3 Click Add new group.

- **4** Type a **Name** for the new group.
- **5** (Optional) Type a description for the new group.
- 6 Click Next.
- 7 Select the check boxes for the users, device collections, and individual devices you want to add to the group and click **Next**.
- 8 Click Done.

Add users to a group

You can add users to groups in Fiery IQ.

User accounts must be created before attempting to add them to a user group.

User groups must be created before users can be added.

Note: Only operators can be added to user groups.

- 1 In Fiery IQ, click Admin console ($\mathcal{E}_{\mathbf{Q}}$).
- 2 Click Users.
- **3** Select the check box for each user you want to add to a specific group.
- 4 Click Add to group.
- **5** Select the desired user group.
- 6 Click Done.

Change user role

You can change the user role assigned in Fiery IQ.

- **1** In Fiery IQ, click Admin console $(\mathcal{E}_{\mathbf{Q}})$.
- 2 Click Users.
- **3** Click the More icon (**:**) next to the user.
- 4 Select Change Role.
- **5** Modify the role for the user.

If you are changing to an operator role, click **Next** and then select a user group, device collections, or individual devices for the user.

6 Click Save.

Delete a user

You can delete a user from Fiery IQ.

- 1 In Fiery IQ, click Admin console ($\mathcal{E}_{\mathbf{Q}}$).
- 2 Click Users.
- **3** Click the More icon (:) next to the user you want to delete.
- 4 Select Delete.
- **5** Click **OK** in the **Delete user** window.

Add a shift

You can create a new shift in Fiery IQ.

- 1 In Fiery IQ, click Admin console ($\mathcal{E}_{\mathbf{Q}}$).
- 2 Click Shift manager.
- 3 Click Add new shift.
- **4** Type your preferred shift name in the **Shift name** field.
- **5** Choose the **Start time** and **End time** in one of the following ways:
 - Click () to adjust the time.
 - Click the Start time or End time field to adjust the time.
- 6 Under Days off, select the days to remove from the shift.
- 7 Click Save.

If the current shift includes the same name or schedule as an existing shift, the Shift Conflict window is shown.

8 Click Done.

Delete a shift

You can delete a shift from Fiery IQ.

- 1 In Fiery IQ, click Admin console ($\mathcal{E}_{\mathbf{Q}}$).
- 2 Click Shift manager.
- **3** Click the More icon (:) next to the shift you want to delete.
- 4 Select Delete.
- 5 Click OK in the Delete shift window.

Edit a shift

You can edit a shift in Fiery IQ.

- 1 In Fiery IQ, click Admin console ($\mathcal{E}_{\mathbf{Q}}$).
- 2 Click Shift manager.
- **3** Click the More icon (:) next to the shift you want to edit.
- 4 Select Edit.
- **5** Type your preferred shift name in the **Shift name** field.
- 6 Choose the Start time and End time in one of the following ways:
 - Click () to adjust the time.
 - Click the Start time or End time field to adjust the time.
- 7 Under **Days off**, select the days to remove from the shift.
- 8 Click Save.

The Shift Conflict window opens if the current shift includes the same name or schedule as an existing shift.

9 Click Done.

View device details

You can view device details such as toner information, printer utilization, and job details.

- 1 In Fiery IQ, click Admin console ($\mathcal{E}_{\mathbf{Q}}$).
- 2 Click **Devices** to view a list of registered devices.
- **3** Select a device from the list to view its details.

Stop tracking a device

You can stop tracking an active device in Fiery IQ.

- **1** In Fiery IQ, click Admin console ($\mathcal{E}_{\mathbf{Q}}$).
- 2 Click Devices.
- **3** Select the **Active** tab.
- 4 Click the More icon (:) next to the desired device.
- **5** Select **Stop Tracking**.
- 6 Click OK.

Start tracking a device

You can track an inactive device in Fiery IQ.

- 1 In Fiery IQ, click Admin console ($\mathcal{E}_{\mathbf{Q}}$).
- 2 Click Devices.
- **3** Select the **Inactive** tab.
- 4 Click the More icon (:) next to the desired device.
- 5 Select Start Tracking.
- 6 Click OK.

Remove a device

You can permanently remove an inactive device from Fiery IQ.

- **1** In Fiery IQ, click Admin console (\mathcal{E}_{\diamond}) .
- 2 Click Devices.
- **3** Select the **Inactive** tab.
- 4 Click the More icon (:) next to the device you want to remove.
- 5 Select Remove.

Note: If you permanently remove a device, you must contact the Fiery IQ support team to add the device again.

- 6 Click Yes.
- 7 Click OK.

Create a device collection

You can specify a collection of devices to simplify their management in Fiery IQ.

- 1 In Fiery IQ, click Admin console ($\mathcal{E}_{\mathbf{Q}}$).
- 2 Click Device collection.
- **3** Click New device collection.
- **4** Type a name and description.
- 5 Click Next.
- **6** Select the check box for each device you want to add to the collection.

Note: Select a device model to filter the device list.

- 7 Click Next.
- 8 Click Done.

Specify company settings

Administrators can specify company tracking settings in Fiery IQ.

- **1** In Fiery IQ, click Admin console (\mathcal{E}_{\diamond}) .
- 2 Click Company settings.
- **3** Select or clear the check box for the following options to specify your settings:
 - Track job name
 - Track user name
 - Display thumbnail

Note: By default, all settings are selected. When an administrator clears a setting check box, the setting is prevented from being sent to the cloud.

4 Click Save.

Fiery IQ application licenses for printers

Fiery Manage or Fiery ColorGuard require a license for each printer.

A free 30-day trial of Fiery Manage or Fiery ColorGuard is available for your account.

The trial license allows you to connect all your supported printers for the duration of the trial. After your 30-day trial period ends, you must individually license each printer with a License Activation Code (LAC) to access Fiery Manage or Fiery ColorGuard.

Note: Contact your Fiery supplier to purchase Fiery IQ application licenses or license renewals.

To activate a trial license for Fiery IQ applications, do one of the following:

- Click Admin console (*Ap*), click License manager, and then click Start 30 day trial for the appropriate application to activate your trial license.
- Navigate to the Fiery Manage or Fiery ColorGuard application from the Fiery Dashboard. In the message that appears, click **Start 30 day trial**.
- Select your desired printer in the Dashboard. Click Start 30 day trial in the message window shown.

View licenses

You can view your Fiery IQ application licenses in Fiery License Manager.

1 In Fiery IQ, click Admin console ($\mathcal{E}_{\mathbf{Q}}$).

2 Click License manager.

- **3** You can view your activated Fiery IQ licenses in one of the following ways:
 - View the available and assigned licenses for each application on their widget.
 - Click Manage on any application widget to view your licensed devices for the selected application.

Add a new license

You can add a Fiery Manage, Fiery ColorGuard, or license for your printers.

- **1** In Fiery IQ, click Admin console (\mathcal{E}_{\circ}) .
- 2 Click License manager.
- **3** Click Activate license.
- **4** Type your License Activation Code (LAC) in the text field of the **Enter license code** window, and then click **Continue**.
- 5 Click Done.

Assign licenses

You can assign a license to your printer.

- **1** In Fiery IQ, click Admin console (\mathcal{E}_{\diamond}) .
- 2 Click License manager.
- 3 Click Manage on the application widget for which you want to assign a license.
- 4 Select the Available licenses tab and then click 🖗 next to the available license.
- 5 Select Assign licenses to devices.
- 6 Select the check box next to the device name you want to assign the available license.
- 7 Click Assign license.

An expiration date for the license appears in the **Expiry date** column.

Remove licenses

You can remove your Fiery IQ application licenses assigned to a printer in License manager.

- 1 In Fiery IQ, click Admin console ($\mathcal{E}_{\mathbf{Q}}$).
- 2 Click License manager.
- 3 Click Manage on the application widget for which you want to remove a license.

- **4** Select the **Assigned licenses** tab and then click (2) next to the assigned license.
- **5** Select **Release this license**.
- 6 Click Confirm.

Configure an SFTP account

If you have an existing SSH File Transfer Protocol (SFTP) account, you can add it to Fiery IQ for use across various applications.

Add an SFTP account for configuration

You can add an existing SFTP account to Fiery IQ. A maximum of 10 SFTP accounts can be added.

- **1** In Fiery IQ, click Admin console $(\mathcal{E}_{\mathbf{Q}})$.
- 2 Click SFTP configuration.
- 3 Click Add New SFTP.
- 4 Type your preferred name for the SFTP configuration in the Name field. This name can be a maximum of 100 alphanumeric characters.
- **5** Type the IP address of the server in **Server** field.
- **6** Type the port number in the **Port** field.

The port number is filled in by default (22).

7 Type the email or user ID for the SFTP account in the **User name** field.

This name can be a maximum of 100 alphanumeric characters.

8 Type the password for the SFTP account in the **Password** field.

This password can be a maximum of 100 alphanumeric characters.

9 Enable the Set as default configuration toggle button to make this account the default.

Note: Only one account can be set as the default.

10 Click Test Connection.

The save option will be enabled only if the entered details in step 4 on page 19, step 5 on page 19, step 6 on page 19, step 7 on page 19, and step 8 on page 19 are valid.

11 Click Save.

Edit an SFTP account for configuration

You can edit an added SFTP account in Fiery IQ,

- 1 In Fiery IQ, click Admin console ($\mathcal{E}_{\mathbf{G}}$).
- 2 Click SFTP configuration.
- **3** Click the More (:) icon next to the account you want to edit.
- 4 Select Edit.
- 5 Type your preferred name for the SFTP configuration in the Name field. This name can be a maximum of 100 alphanumeric characters.
- **6** Type the IP address of the server in **Server** field.
- 7 Type the port number in the Port field.The port number is filled in by default (22).
- 8 Type the email or user ID for the SFTP account in the User name field. This name can be a maximum of 100 alphanumeric characters.
- **9** Type the password for the SFTP account in the **Password** field. This password can be a maximum of 100 alphanumeric characters.
- 10 Enable the Set as default configuration toggle button to make this account the default.

Note: Only one account can be set as the default.

11 Click **Test Connection**.

The save option will be enabled only if the test is successful and the entered details are valid.

12 Click Save.

Delete an SFTP account for configuration

You can remove an added SFTP account in Fiery IQ.

- 1 In Fiery IQ, click Admin console ($\mathcal{E}_{\mathbf{G}}$).
- 2 Click SFTP configuration.
- **3** Click the More (:) icon next to the account you want to delete.
- 4 Select Delete.
- 5 Click Yes, Delete it in the Delete configuration window.

Fiery Cloud Connector

Fiery Cloud Connector connects your printers to Fiery IQ services.

Fiery IQ is a suite of cloud applications for print service providers.

With the Fiery Cloud Connector, you can manage, register, and track your printers and connections to Fiery IQ services and web applications.

Supported print devices

Fiery Cloud Connector supports printers connected to Fiery servers running Fiery system software FS200/200 Pro and later.

Install Fiery Cloud Connector on a Fiery server

You can install Fiery Cloud Connector on a Fiery server connected to the internet depending on your Fiery Command WorkStation versions.

Fiery Command WorkStation v7.0 or later

- 1 Launch Fiery Command WorkStation.
- 2 Click Server.
- 3 Click Fiery IQ.
- 4 In the Fiery IQ Manager window, enable the toggle button next to the Fiery server to connect to Fiery IQ.
- 5 If prompted, click **Reboot now**.

Fiery Command WorkStation v6.8 or v6.7

- 1 Launch Fiery Command WorkStation.
- 2 Click Server.
- **3** Select EFI IQ > Update Fiery server.

Fiery Cloud Connector download and installation begins.

4 If your Fiery server is pre-installed with Fiery Cloud Connector, select EFI IQ > Connect to EFI IQ.

Note: The FS500/500 Pro and later Fiery servers are pre-installed with Fiery Cloud Connector.

Fiery Command WorkStation v6.6 or earlier

Install Fiery Cloud Connector on a Fiery server through a PS patch. Contact Fiery IQ support team for installation of the PS patch.

Tracking status of Fiery Cloud Connector

The following list describes different tracking statuses of a printer on Fiery Cloud Connector:

- Active The printer is actively sending data to your Fiery IQ cloud.
- In Progress The printer is being connected to your Fiery IQ cloud.
- Duplicate The printer is already connected to your Fiery IQ cloud by another Fiery Cloud Connector.
- **Denied** Fiery IQ denied the request to initiate tracking.
- **Removed** The printer has been removed from your Fiery IQ cloud. Contact the Fiery IQ support team to start tracking the printer again.
- Passive The Fiery Cloud Connector is not sending data to your Fiery IQ cloud.

Fiery ColorGuard

Fiery ColorGuard makes it easy to check for and maintain consistent accurate color on your Fiery Driven printers.

With Fiery ColorGuard, you create color verification or recalibration schedules that automatically prompt operators when it is time to verify or recalibrate specific systems. When using the supported inline measurement instruments, verifications and recalibrations are executed automatically without any user input. Operators can quickly and easily verify color, and the results are automatically uploaded for review by the production manager. Operators can be notified when to recalibrate. You can review the details of individual verifications, comparisons of multiple printers, and verification trends over time and schedule recalibrations as needed to ensure your Fiery Driven printers provide consistent color quality.

For each printer, you schedule verification or recalibration against a selectable verification preset in the Fiery ColorGuard Web application. The Fiery ColorGuard Client application will then notify the printer operator when a schedule is pending, and allow the operator to verify, or recalibrate, the combination of printer, media, toner or ink through the client application workflow.

In the verification workflow, the client application opens FieryMeasure, which the operator uses to measure the printed patch layout. Next, Fiery Verify receives the measurements from FieryMeasure and displays a summary of the results. It also provides an analysis of the results. The client application uploads the verification results to the web application where they can be reviewed, analyzed, compared with other results to identify various trends.

In the recalibration workflow, the client application opens Fiery Calibrator, which the operator uses to recalibrate the color output of the Fiery Driven printer. Fiery Calibrator uses FieryMeasure as part of the recalibration workflow.

To get started with maintaining consistent accurate color on your Fiery Driven printers, use the following Fiery ColorGuard applications:

- Fiery ColorGuard Web application at https://iq.fiery.com/colorguard/ Schedules verifications, spot color verifications, and recalibrations to be completed on the Fiery ColorGuard Client application, and tracks the verification results. Spot color verifications can be initiated from Fiery Spot Pro.
- Fiery ColorGuard Client application integrated with Fiery Command WorkStation Notifies printer operators when to verify color, verify spot color or recalibrate color output, prints and measures the color output using FieryMeasure, displays the results in Fiery Verify, and uploads the verification results to the Fiery ColorGuard Web application.

Supported print devices

Fiery ColorGuard supports printers connected to Fiery servers running Fiery system software FS200/200 Pro and later.

Fiery ColorGuard Web application

Fiery ColorGuard Web application helps you create color verification or recalibration schedules that automatically prompt operators when it is time to verify or recalibrate specific systems.

Operators can quickly and easily verify color, and the results are automatically uploaded for review by the production manager. Operators can be notified when to recalibrate. You can review the details of individual verifications, comparisons of multiple printers, and verification trends over time and schedule recalibrations as needed to ensure your Fiery Driven printers provide consistent color quality. For each printer, you schedule verification or recalibration against a selectable verification preset in the Fiery ColorGuard Web application.

You can access Fiery ColorGuard Web application from https://iq.fiery.com/colorguard/.

Supported browsers and operating systems

The Fiery ColorGuard Web application supports the browsers listed below. The Fiery ColorGuard Client application supports the operating systems listed below.

Browsers

- Google Chrome
- Microsoft Edge
- Mozilla Firefox
- Safari 11 or later

Operating systems

Note: The Fiery ColorGuard Client application supports x64-bit operating systems only.

- Microsoft Windows 10 or later
- macOS Catalina 10.15 or later

Fiery ColorGuard supported measurement instruments

Fiery ColorGuard requires a measurement instrument to measure printed output for color verification. Fiery ColorGuard supports the measurement instruments listed below.

Supported measurement instruments

- EFI ES-2000
- Fiery ES-3000
- Fiery ES-6000 (Ethernet)
- Fiery ES-6000 (USB)
- X-Rite i1iSis
- X-Rite i1iSis XL
- X-Rite i1Pro

- X-Rite i1Pro 2
- X-Rite i1Pro3
- X-Rite i1Pro3 Plus
- X-Rite i1iO
- X-Rite i1iO 2
- X-Rite i1iO3
- X-Rite i1iO3+
- Barbieri Spectropad (with USB connection only)
- Barbieri Spectro LFP
- Barbieri Spectro LFP qb
- Barbieri Spectro Swing
- Konica Minolta FD-5BT
- Konica Minolta FD-9
- Konica Minolta FD-9 with sheet feeder
- Konica Minolta MYIRO-1
- Konica Minolta MYIRO-9
- Konica Minolta MYIRO-9 with sheet feeder
- TECHKON SpectroDens

The following inline measurement instruments are supported only for verification, recalibration, and benchmark verification:

- Canon iPRC10000VP Series Inline
- Xerox iGen Inline Spectrophotometer
- Xerox Full Width Array
- Konica Minolta IQ-501

The following inline measurement instrument is supported only for recalibration:

• Ricoh Auto Color Adjuster

Fiery ColorGuard Dashboard

You can view the Fiery ColorGuard Dashboard after logging on to the ColorGuard Web application.

Note: You can access the **Dashboard** from any tab in the ColorGuard Web application by clicking \widehat{W} .

From the Fiery ColorGuard Dashboard, you can:

- View recent information for verification presets in the Shop Summary.
- Filter your printers in one of the following ways:
 - Licensed
 - Unlicensed
 - All
- View scheduled verifications or click **Create Schedule** to create a scheduled verification. For more information, see Create a verification schedule on page 31.
- View scheduled recalibrations or click **Create Schedule** to create a scheduled recalibration. For more information, see Create a recalibration schedule on page 33.
- View the expiration dates for licensed printers.
- Click **Manage Licenses** to access **License manager** for Fiery ColorGuard license options. For more information, see Fiery IQ application licenses for printers on page 17.

Create a verification preset

You can create a verification preset to specify the **Color Reference**, **Tolerance Set**, and **Patch Set** used for a scheduled color verification.

Keep in mind the following:

• Color Reference contains the targeted colors that sample measurements are compared to.

Note: Industry-standard color spaces, such as GRACoL2013 and FOGRA51, comprise most color reference selections.

- Tolerance Set defines the criteria used for comparison between a color reference and a sample measurement.
- Patch Set contains the color patches printed to use as a measurement sample.

Note: Industry-standard patch sets, such as Idealliance Control Wedge 2013, Fogra Media Wedge V3, IT8.7/4 and IT8.7/5, comprise most patch set selections.

A verification preset is required to create a verification schedule.

- 1 In the ColorGuard Web application, click 違.
- **2** Create a new preset or duplicate an existing preset.
 - Click Create New Verification Preset to create a new preset, or
 - Place your cursor over the listing for an existing Verification preset and click 🗋 to duplicate an existing preset.
- **3** Under **Verification preset**, type a name for the new preset.

- 4 Select a **Color reference** appropriate for the color production workflow you want to verify.
 - Alternatively, click + to import a a new color reference. For more information, see Import a color reference on page 28.

Note: Your selection should ideally match the source color profile you use for printing the job where color is verified.

- 5 Select a **Tolerance set** appropriate for the color production workflow you want to verify.
 - Alternatively, click 🖸 to create a new or modify an existing tolerance set. For more information, see Create or edit a tolerance set on page 29.
- 6 Select a Patch set appropriate for the color production workflow you want to verify.
 - Alternatively, click + to import a new patch set. For more information, see Import a patch set on page 30.
- 7 Click Save.

Edit a verification preset

You can modify a verification preset in Fiery ColorGuard.

- 1 In the ColorGuard Web application, click 違.
- 2 In the Verification Presets tab, place your cursor over the listing for an existing verification preset.
- 3 Click 🖉.
- 4 Type your preferred name in the Verification preset field in the Verification Preset window.
- 5 Select a **Color reference** appropriate for the color production workflow you want to verify.
 - Alternatively, click + to import a a new color reference. For more information, see Import a color reference on page 28.

Note: Your selection should ideally match the source color profile you use for printing the job where color is verified.

- 6 Select a Tolerance set appropriate for the color production workflow you want to verify.
 - Alternatively, click 🗋 to create a new or modify an existing tolerance set. For more information, see Create or edit a tolerance set on page 29.
- 7 Select a Patch set appropriate for the color production workflow you want to verify.
 - Alternatively, click + to import a new patch set. For more information, see Import a patch set on page 30.
- 8 Click Save.

Delete a verification preset

You can delete a verification preset from Fiery ColorGuard.

Note: If a verification preset is used currently in a verification schedule, you cannot delete the verification preset from the **Verification Presets** tab. You must remove your verification presets from verification schedules.

- 1 In the ColorGuard Web application, click 🕏.
- 2 In the Verification Presets tab, place your cursor over the listing for an existing verification preset.
- **3** Click ill to delete an existing verification preset.
- 4 Click Yes in the Delete Preset window.

Import a color reference

You can import a color reference you can use in custom verification presets. Verification presets with imported color references can also be used for scheduled verifications.

- 1 In the ColorGuard Web application, click 🕏.
- 2 Click the Color References tab.
- **3** Click Import Color Reference.
- 4 In the Browse window, navigate to the color reference you want to import.
- 5 Click Open.

Rename a color reference

You can modify a color reference name in Fiery ColorGuard.

- 1 In the ColorGuard Web application, click 違.
- 2 In the Color References tab, place your cursor over the listing for an existing color reference.
- 3 Click 🖉.
- 4 Type your preferred name in the Rename Color Reference window.
- 5 Click OK.

Delete a color reference

You can delete a custom color reference from Fiery ColorGuard.

Note: If a custom color reference is currently used in a verification preset, you cannot delete the color reference from the **Color References** tab. You must remove your custom color references from verification presets.

- 1 In the ColorGuard Web application, click 🗐.
- 2 In the Color References tab, place your cursor over the listing for an existing color reference.
- **3** Click **(iii)** to delete an existing color reference.
- 4 Click Yes in the Delete Color Reference window.

Create or edit a tolerance set

A tolerance set defines the criteria used when you compare measurements to the color reference. You can choose if a verification result that exceeds the limit will be indicated by a warning or a failure.

Know the acceptable variation limits for your color workflow including:

- ΔE formula
- General ΔE limits
- Primary color ΔE limits
- Hue difference ΔH limits
- Tone value difference tolerance limits
- Chromaticness difference Δ Ch limits
- NPDC ΔL limits
- Spot color ΔE limits

Note: Limits define the acceptable tolerance ranges that are calculated for each criterion.

- 1 In the ColorGuard Web application, click 🕏.
- 2 In the Tolerance Sets tab, place your cursor over the listing for an existing tolerance set.
- **3** Click **(**).
- **4** (Optional) Edit the name of the **Tolerance Set**.
- 5 Select a ΔE formula.
- 6 Use the check boxes to select the Tolerance criteria you want.
- 7 Enter a Limit for each criterion selected.
- 8 Select Warn or Fail for each criterion chosen to indicate when a measurement exceeds the specified limit.Warn is informative only and will still allow the verification to pass.Fail will cause the entire verification to fail.
- 9 Click Save.

Rename a tolerance set

You can modify a tolerance set name in Fiery ColorGuard.

- 1 In the ColorGuard Web application, click 💆.
- 2 In the Tolerance Sets tab, place your cursor over the listing for an existing tolerance set.
- 3 Click 🖉.
- **4** Type your preferred name in the **Rename Tolerance Set** window.
- 5 Click OK.

Delete a tolerance set

You can delete a tolerance set from Fiery ColorGuard.

Note: If a custom tolerance set is currently used in a verification preset, you will not be able to delete the tolerance set from the **Tolerance Sets** tab. You must remove your custom tolerance sets from verification presets.

- 1 In the ColorGuard Web application, click 違.
- 2 In the Tolerance Sets tab, place your cursor over the listing for an existing tolerance set.
- **3** Click **[iii]** to delete an existing tolerance set.
- 4 Click Yes in the Delete Tolerance Set window.

Import a patch set

You can import a patch set you can use in custom verification presets. Verification presets with imported patch sets can also be used for scheduled verifications.

- 1 In the ColorGuard Web application, click on 之.
- 2 Click the Patch Sets tab.
- 3 Click Import Patch Set.
- 4 In the Browse window, navigate to the patch set you want to import.
- 5 Click Open.

Rename a patch set

You can modify a patch set name in Fiery ColorGuard.

- 1 In the ColorGuard Web application, click 🕏.
- 2 In the Patch Sets tab, place your cursor over the listing for an existing patch set.

- 3 Click 🖉.
- 4 Type your preferred name in the **Rename Patch Set** window.
- 5 Click OK.

Delete a patch set

You can delete a patch set from Fiery ColorGuard.

Note: If a custom patch set is currently used in a verification preset, you will not be able to delete the patch set from the **Patch Sets** tab. You must remove your custom patch sets from verification presets.

- 1 In the ColorGuard Web application, click 🕏.
- 2 In the Patch Set tab, place your cursor over the listing for an existing Patch Set.
- **3** Click ill to delete an existing patch set.
- 4 Click Yes in the Delete Patch Set window.

Create a verification schedule

Schedule a verification to notify press operators when to conduct color verification from the Fiery ColorGuard Client application.

Before you begin, do the following:

• Identify the Verification preset you want to use.

Verification presets specify the reference color space and the tolerances for the verification test. Select the preset for your preferred CMYK reference (such as FOGRA or GRACoL) and the tolerance setting.

• Identify the Job properties server preset of the printer you want to use.

Server presets specify the group of job properties that will be used for the scheduled verifications. You must create a server preset in Fiery Command WorkStation to ensure ideal color output. For more information on creating a server preset, see *Fiery Command WorkStation Help*.

After you create the server preset, select it in the ColorGuard Web application to match the job properties of the production workflow you want to verify.

- **1** In the ColorGuard Web application, do one of the following:
 - Navigate to your desired printer and click Create Schedule in the Verification Schedule pane.
 - Navigate to the **Schedules** tab by clicking in and then click **Create New Schedule**.
- 2 Select Verification.
- **3** In the **Name** field, type a name for the new schedule.
- **4** Select the **Device** to be included in the verification schedule.

If you chose to set up a verification schedule for the selected press, the printer will be listed in the **Device** menu.

5 Choose the Job properties server preset appropriate for the verification schedule.

To ensure ideal color output, use your preferred server preset.

- 6 Select a preset from the Verification Preset menu.
- 7 (Optional) Select the Automatically verify with the inline measurement instrument check box.
- 8 Click Next.
- **9** Select a time and days for the color verification to occur.
- **10** (Optional) Under **Notifications**, click **Add Recipient** to send email notifications to the intended recipients to notify them of specified events, for example, the verification passed.

Email recipients do not need a Fiery Account to receive notifications of verification events.

11 Click Done.

Create a spot color verification schedule from Fiery Spot Pro

You can initiate a spot color verification schedule from Fiery Spot Pro.

The Fiery Spot Color Report is generated when you perform a spot color checkup on a selected spot color group for a given media or substrate and an output profile. The checkup produces a report that shows how well your press reproduces the colors in the selected spot color group.

The measured L*a*b* values in the Fiery Spot Color Report are passed as reference values for the spot color verification schedule in ColorGuard.

To do a spot color check up, click **Checkup** from the toolbar in Fiery Spot Pro. For more information, see *Fiery Command WorkStation Help*.

After you create a verification schedule in Fiery Spot Pro by clicking **Create a schedule** in the **Fiery Spot Color Report** window. The **Spot Color Verification** window opens in the ColorGuard Web application.

You can view the spot color verification details, such as the device name, patch set, output profile and the number of spot colors, which are retrieved from Fiery Spot Pro.

- 1 In the Name field, type a name for a new schedule or edit the default name.
- **2** Choose the **Tolerance set** from the list.

You can edit the tolerance set by clicking D. For more information, see Create or edit a tolerance set on page 29.

- 3 Click Next.
- 4 Select a time and days for the color verification to occur.
- **5** (Optional) Under **Notifications**, click **Add Recipient** to send email notifications to the intended recipients to notify them of specified events, for example, the verification passed.

Email recipients do not need a Fiery Account to receive notifications of verification events.

6 Click Done.

Create a recalibration schedule

You can schedule a recalibration notification for the press operators to inform them when a color recalibration needs to occur from the Fiery ColorGuard Client application.

- 1 In the ColorGuard Web application, do one of the following:
 - Navigate to your desired press and click Create Schedule in the Calibration Schedule pane.
 - Navigate to the **Schedules** tab and click **Schedules** (🖮) and then click **Create New Schedule**.
- 2 Select Recalibration.
- **3** In the **Name** field, type a name for the new schedule.
- 4 Select the **Device** to be included in the recalibration schedule.
- 5 Choose the appropriate Calibration set.
- 6 Click Next.
- 7 Schedule a time and days for the color recalibration to occur.
- 8 (Optional) Under Notifications, click Add Recipient to send email notifications to the intended recipients to notify them of specified events, for example, the verification passed.

Email recipients do not need a Fiery Account to receive notifications of verification events.

9 Click Done.

Create a benchmark verification schedule

You can create a benchmark verification schedule to notify press operators when to conduct a benchmark verification from the Fiery ColorGuard Client application.

Keep in mind the following:

- The Job properties server preset of the printer you want to use.
- Server presets specify the group of job properties that will be used for the scheduled verifications. You must create a server preset in Fiery Command WorkStation to ensure ideal color output. For more information, see *Fiery Command WorkStation Help*.
- After you create the server preset, select it in the ColorGuard Web application to match the job properties of the production workflow you want to verify.
- **1** In the ColorGuard Web application, do one of the following:
 - Navigate to your desired printer on the **Dashboard** and click **Create Schedule** in the **Verification Schedule** pane.
 - Navigate to the Schedules tab by clicking Schedules (📾) and then click Create New Schedule.
- 2 Select Benchmark Verification.
- **3** In the **Name** field, type a name for the new schedule.

- 4 Select the **Device** to be included in the benchmark verification schedule.
- 5 (Optional) Select the Automatically verify with the inline measurement instrument check box.
- 6 Choose the Job properties server preset appropriate for the benchmark verification schedule.

To ensure ideal color output, use your preferred server preset.

- 7 Select a Tolerance set.
- 8 Select a Patch Set.
- 9 Click Next.
- **10** Select a time and days for the benchmark verification to occur.
- **11** (Optional) Under **Notifications**, click **Add Recipient** to send email notifications to the intended recipients to notify them of specified events, for example, the verification passed.

Email recipients do not need a Fiery Account to receive notifications of verification events.

- 12 Click Done.
- **13** (Optional) Click the **Request verification** icon () to request printer operators to perform the first verification for the benchmark schedule from the Fiery ColorGuard Client application.

After completing the first verification, the benchmark is created. The benchmark is used as the color reference for subsequent benchmark verifications.

Edit a schedule

You can edit a schedule if at least one verification or recalibration has been scheduled.

- 1 In the ColorGuard Web application, click 🗰.
- **2** Place your cursor over the schedule you want to edit and click
- 3 Update the Name, Device, Job properties, or Verification Preset as desired.
- 4 (Optional) Select the Automatically verify with the inline measurement instrument check box.
- 5 Click Next.
- **6** Update the time and days as desired.
- 7 (Optional) Under Notifications, click Add Recipient to send email notifications for scheduled events, such as passing verification or recalibration.

Note: Any email address can receive notifications.

8 Click Done.

Pause or resume a schedule

You can pause or resume a schedule if at least one verification or recalibration has been scheduled.

You can resume a paused verification or recalibration schedule, when required, in the Fiery ColorGuard Web application. A paused schedule is not sent for execution to the Fiery ColorGuard Client application, and printer operators are not notified when the specific color verification or recalibration is pending.

- **1** In the ColorGuard Web application, click **□**.
- 2 Place your cursor over the schedule you want to pause or resume and do one of the following:
 - To pause the schedule, click **II**.
 - To resume the schedule, click \triangleright .

Request verification now

You can immediately request verification for a scheduled verification.

You must confirm at least one verification has been scheduled.

- **1** In the ColorGuard Web application, click **□**.
- 2 Place your cursor over the scheduled verification you want to request and click 🔒 .

Note: If you click on a schedule that has the **Automatically verify with the inline measurement instrument** check box selected, the verification request is sent to the Fiery ColorGuard Client application and automatically runs the scheduled verification.

Request recalibration now

You can send an immediate request to perform a scheduled recalibration.

You must confirm at least one recalibration has been scheduled.

- **1** In the ColorGuard Web application, click **□**.
- 2 Place your cursor over the scheduled recalibration you want to request and click 🔂.

View verification history

Check the status and view detailed results of completed verifications from the Fiery ColorGuard Web application.

- 1 In the ColorGuard Web application, click 🕥.
- 2 Choose either Verification or Spot Color Verification from the list.
- **3** (Optional) Click i to change the range of the verification results displayed.
- 4 Place your cursor over an individual verification result and click \oplus to view detailed verification results.

Fiery ColorGuard Client application

The Fiery ColorGuard Client application allows operators to quickly verify color, automatically report verification results to the cloud, and view recent verification history.

The Fiery ColorGuard Client application consists of the following components:

- Fiery ColorGuard Client application notifies printer operators when to verify color or spot color output, and uploads the results to the Fiery ColorGuard Web application.
- FieryMeasure measures the color output.
- Fiery Verify displays verification results.

You can access the Fiery ColorGuard Client application by doing the following:

• For Fiery Command WorkStation v7.0 and later:

Fiery ColorGuard Client, Fiery Calibrator, FieryMeasure, and Fiery Verify applications are integrated with Fiery Command WorkStation v7.0 and later. You can download the latest version of Fiery Command WorkStation from the Fiery Software Manager to access the latest features.

• For Fiery Command WorkStation v6.8 and earlier:

Download and install the Fiery ColorGuard Desktop application on your local computer from https:// iq.fiery.com/colorguard/. For more information, see Download and install the Fiery ColorGuard Desktop application on page 36.

Install the Fiery ColorGuard Client application

An active internet connection is required. This procedure is applicable only if you are using Fiery Command WorkStation v7.0 and later.

- 1 In the ColorGuard Web application, click **Download ColorGuard Client Software** on the **Dashboard**.
- 2 Click Download now to download Fiery Command WorkStation v7.0 or later.
- **3** Fill in the required information to register and click **Submit**.
- **4** Click either **Mac** or **Windows** to download the Fiery ColorGuard Client application appropriate for your operating system.
- **5** Open and run the Fiery Software Manager installer.
- 6 Install Fiery Command WorkStation v7.0 to access the Fiery ColorGuard Client application.

Install the Fiery ColorGuard Desktop application

An active internet connection is required. This procedure is applicable only if you are using Fiery Command WorkStation v6.8 and earlier.

1 In the ColorGuard Web application, click **Download ColorGuard Client Software** on the **Dashboard**.

- 2 Click either Mac or Windows to download the Fiery ColorGuard Desktop application appropriate for your operating system.
- 3 Open and run the Fiery ColorGuard Desktop application installer.
- 4 Open the Fiery ColorGuard Desktop application.
- 5 Sign into your Fiery ColorGuard account using your Fiery Account credentials.

Fiery ColorGuard Client application in Fiery Command WorkStation v7.0 or later

Fiery ColorGuard Client application is integrated with Fiery Command WorkStation v7.0 and later.

You can access Fiery ColorGuard Client application using one of the following:

- Click Server > ColorGuard.
- Click the More icon (:) next to the server name in the Servers pane.
- Click pending schedules in the Notifications tab.

The Notifications tab includes the Fiery ColorGuard pending schedule notifications. You can do one of the following:

- Click Recalibrate now to open Calibrator and complete the recalibration.
- Click Verify now to open FieryMeasure and complete the verification or benchmark verification.

To view details of a newly licensed Fiery server or a Fiery server using the 30-day trial license, click **Refresh licensed printers**. You can click the button once in five minutes to view the refreshed list of Fiery servers and schedules.

Verify color or spot color output

You can verify the color or spot color output of a printer, as scheduled, from the Fiery ColorGuard Client application.

Keep in mind the following requirements:

- Internet connection
- Supported measurement instrument
- Verification scheduled for the printer
- 1 Open the Fiery ColorGuard Client application.
- **2** Click the Schedule icon ($\dot{\mathbf{O}}$).
- 3 Click Verify.

The Fiery ColorGuard Client application uses FieryMeasure to print and measure color patches for verification.

Note: If a scheduled verification has the **Automatically verify with the inline measurement instrument** check box selected, Fiery Verify will automatically change to **In Progress** at the scheduled time.

4 Select your measurement instrument from the Instrument list.

Optionally, click **Settings** to set options for the measurement instrument.

- **5** Select the chart size from the **Chart size** list that corresponds to the paper specified by the Job properties preset on page 31.
- **6** (Optional) Specify the number of warmup pages.

Note: Warmup pages are beneficial if the printer has not been used for a period of time.

- 7 Click Print.
- 8 Retrieve the pages from the printer and discard any warmup pages.
- **9** Follow the on-screen instructions to measure the page.

10 Click Done.

11 In the verification results window, you can perform the following:

- Click **Detail** (①) to view detailed verification results in Fiery Verify.
- Click **Report** (🖹) to download and save the verification results as a shareable PDF file.
- Click Label () to create a label of the verification results as a PDF file.

FieryMeasure

FieryMeasure is a utility for measuring rows of printed color patches on a page using a measurement instrument. You can also print a patch page using FieryMeasure.

FieryMeasure supports several measurement instruments, including the EFI ES-3000 spectrophotometer.

FieryMeasure is started from within other applications that require color measurement data.

Measuring a measurement page

A color measurement instrument, such as a spectrophotometer, measures the reflected light from a color patch and stores the measurement as a numeric value. The procedure for measuring a page of patches depends on the instrument.

Some instruments have a self-calibration feature to check the correct functioning of the instrument. For example, the instrument may be calibrated by checking its ability to measure a known color sample accurately. If self-calibration is available, you must calibrate the instrument before proceeding to measure a page.

Handheld instruments require that you follow instructions to place the page and measure each row of patches on the page. Automatic instruments measure each row and advance to the next row without user interaction. Some instruments also position the page automatically.

Calibrate the instrument

You must first calibrate the measurement instrument to make reliable measurements. If calibration fails, you cannot continue with the measurements.

1 Follow the instructions on the screen and click Next.

Note: With the EFI ES-2000 or Fiery ES-3000 spectrophotometer, both the white tile on the cradle and the instrument aperture must be clean. With the EFI ES-2000 or Fiery ES-3000 spectrophotometer, the white tile cover must be open.

2 If you cannot calibrate the instrument successfully, click Cancel.

Measure with ES-2000

You can measure color patches on a page using the EFI ES-2000 spectrophotometer.

When you select the ES-2000 as your measurement method, you can set the instrument settings:

- Measurement mode Select the type of measurement that you want. You measure each strip in one pass or in two passes.
 - M0 One pass, UV included
 - M1 Two passes, D50, UV included
 - M2 Two passes, UV cut
- **Use ruler** The positioning sensor on the underside of the EFI ES-2000 reads the stripes on the ruler to determine the position of the EFI ES-2000, so you must use the backup board with the ruler to guide the EFI ES-2000 along the strip. The use of the ruler is required for strip measurement in two passes.
- **Patch size** Choose from the available patch sizes: **Normal (Default)**, **Medium**, and **Large**. If **Large** is selected, larger patches are printed to allow for better measurements with a low-resolution printer. The measurement method is the same for all patches regardless of patch size.

When a page has been successfully measured, you can check the measurements. If any measurements are not as expected, you can remeasure the strip.

1 Place the patch page on a smooth, even surface.

If you have a backup board and ruler for measuring patch pages, position the patch page correctly.

Note: With the ES-2000, be sure to use the ruler if you selected the option to use the ruler when you printed the patch pages.

2 When the screen indicates that the ES-2000 is measuring, place the ES-2000 in the white space above or below the strip specified on the screen.

- 3 Hold down the button and slide the ES-2000 along the strip of patches slowly and at an even pace.
- **4** Release the button when the ES-2000 reaches the white space at the end.

- **5** After you successfully measure one strip of patches, move the ES-2000 to the white space at the beginning of the next strip.
- **6** Continue to measure the remaining strips in the same manner until you have measured all patches on the page.
- **7** Continue to measure the remaining patch pages (if any) in the same manner until you have measured all patch pages.
- **8** After you measure the last page, click **Next**.

Measure with ES-3000

You can measure color patches on a page using the Fiery ES-3000 spectrophotometer.

When you select the ES-3000 as your measurement method, you can set the instrument settings:

- Measurement mode Select the type of measurement that you want. You measure each strip in one pass.
 - M0 One pass, UV included
 - M1 One pass, D50, UV included
 - M2 One pass, UV cut
- **Measure with ruler (default)** The positioning sensor on the underside of the Fiery ES-3000 reads the stripes on the ruler to determine the position of the Fiery ES-3000, so you must use the backup board with the ruler to guide the Fiery ES-3000 along the strip. The use of the ruler is required for strip measurement in two passes.
- **Patch size** Choose from the available patch sizes: **Normal (Default)**, **Medium**, and **Large**. If **Large** is selected, larger patches are printed to allow for better measurements with a low-resolution printer. The measurement method is the same for all patches regardless of patch size.
- **Measure without ruler** If this option is selected, large patches can be measured without using the backup board with the ruler.

When a page has been successfully measured, you can check the measurements. If any measurements are not as expected, you can remeasure the strip.

1 Place the patch page on a smooth, even surface.

If you have a backup board and ruler for measuring patch pages, position the patch page correctly.

Note: With the ES-3000, be sure to use the ruler if you selected the option to use the ruler when you printed the patch pages.

2 When the screen indicates that the ES-3000 is measuring, place the ES-3000 in the white space above or below the strip specified on the screen.

- **3** Hold down the button and slide the ES-3000 along the strip of patches slowly and at an even pace.
- **4** Release the button when the ES-3000 reaches the white space at the end.

- **5** After you successfully measure one strip of patches, move the ES-3000 to the white space at the beginning of the next strip.
- **6** Continue to measure the remaining strips in the same manner until you have measured all patches on the page.
- **7** Continue to measure the remaining patch pages (if any) in the same manner until you have measured all patch pages.
- **8** After you measure the last page, click **Next**.

Now watch the video here.

Measure with FD-5BT

You can measure color patches on a page using the Konica Minolta FD-5BT spectrodensitometer.

- Connect the FD-5BT to your computer and turn on the FD-5BT.
- To learn about the FD-5BT, see the documentation that accompanies the instrument.

When you select the FD-5BT as your measurement method, you can set the instrument settings.

Measurement mode - Select the type of measurement that you want. You measure each strip in one pass or in two passes.

- M0 Standard illumination (incandescent), no UV filter
- M1 Supplemented illumination (D50), no UV filter
- M2 Standard illumination (incandescent), UV filter (or UV cut)

Note: M0, M1, and M2 are standard measurement conditions described in ISO 13655.

You can set the patch size to one of the available sizes: **Normal (Default)**, **Medium**, and **Large**. The measurement method is the same for all patches regardless of patch size.

When a page has been successfully measured, you can check the measurements. If any measurements are not as expected, you can remeasure the strip.

1 Place the patch page on a smooth, even surface.

For more accurate measurement, place several sheets of plain white paper beneath the page.

2 Place the strip guide over the first row and position the FD-5BT on the strip guide.

For help with placing the instrument, click **Show me how**.

- **3** When the screen indicates that the FD-5BT is measuring, place the tip of the sample aperture on the instrument over the white space at either end of the strip specified on the screen.
- **4** Hold down the button on the side of the FD-5BT and slide the instrument along the strip of patches slowly and at an even pace.
- **5** Release the button when the FD-5BT reaches the white space at the end.

- **6** After you successfully measure one strip of patches, move the strip guide and the FD-5BT to the next strip specified on the screen.
- **7** Continue to measure the remaining strips in the same manner until you have measured all patches on the page.
- **8** Continue to measure the remaining patch pages (if any) in the same manner until you have measured all patch pages.
- **9** After you measure the last page, click **Next**.

Measure with Spectropad

You can measure color patches on a page using the Barbieri Spectropad cordless spectrophotometer.

- Connect the Spectropad to your computer and turn on the Spectropad.
- Calibrate the Spectropad if instructed to do so.
- To learn about the Spectropad, see the documentation that accompanies the instrument.

When you select the Spectropad as your measurement method, you can set the patch size to one of the available sizes: **Normal (Default)**, **Medium**, and **Large**. The measurement method is the same for all patches regardless of patch size.

When a page has been successfully measured, you can check the measurements. If any measurements are not as expected, you can remeasure a row.

- **1** Place the patch page on a smooth, even surface.
- 2 Place Spectropad on the page and use the red lasers to align the measuring head in the center of the first row.

Rows are measured beginning from the bottom row and proceeding up.

Note: You can switch from scan measurements to scan to spot measurements, and back to scan measurements as a per row decision for both a chart and a wedge.

- **3** Slide the measuring head to the white space at either end of the row.
- **4** Slide the measuring head along the row of patches at an acceptable speed as shown by the speed indicator on the Spectropad screen.

The Spectropad beeps and displays a message when the row has been measured.

- **5** After you successfully measure one row of patches, move the Spectropad to the next row indicated on the Spectropad screen.
- **6** Continue to measure the remaining rows in the same manner until you have measured all patches on the page.
- **7** Continue to measure the remaining patch pages (if any) in the same manner until you have measured all patch pages.
- 8 After you measure the last page, click **Next**.

Measure with i1iO 2

The i1iO 2 automatically moves the ES-2000 over each row of patches to measure them. The on-screen image highlights each row as it is measured.

Before measuring patch pages, you must calibrate the ES-2000 that is connected to the i1iO 2. The ES-2000 is calibrated to the white tile on the i1iO 2. Calibration may fail if the white tile is covered or is not clean.

When you select the i1iO 2 as your measurement method, you can set the patch size to one of the available sizes: **Normal (Default)**, **Medium**, and **Large**. The measurement method is the same for all patches regardless of patch size.

When you have successfully measured a page, you can check the measurements.

1 Place the first patch page on the i1iO 2, and then click Next.

Position the page with the top edge closest to the i1iO 2 arm.

Note: You can switch from scan measurements to scan to spot measurements, and back to scan measurements as a per row decision for both a chart and a wedge.

2 Following the on-screen instructions, position the crosshairs over the patch marked A and press the button on the ES-2000. Repeat for the patches marked B and C.

The on-screen image helps you locate the patches A, B, and C.

- 3 Click Next.
- **4** When i1iO 2 finishes measuring the page, click **Next**.
- **5** Measure the remaining patch pages (if any) in the same manner as the first, starting with the placement of the page and the registration of patches A, B, and C.
- 6 After you measure the last page, click Next.

Measure with i1iO3

The i1iO3 automatically moves the ES-3000 over each row of patches to measure them. The on-screen image highlights each row as it is measured.

Before measuring patch pages, you must calibrate the ES-3000 that is connected to the i1iO3. The ES-3000 is calibrated to the white tile on the i1iO3. Calibration may fail if the white tile is covered or is not clean.

When you select the i1iO3 as your measurement method, you can set the patch size to one of the available sizes: **Normal (Default)**, **Medium**, and **Large**. The measurement method is the same for all patches regardless of patch size.

When you have successfully measured a page, you can check the measurements.

1 Place the first patch page on the i1iO3, and then click Next.

Position the page with the top edge closest to the i1iO3 arm.

2 Following the on-screen instructions, position the crosshairs over the patch marked A and press the button on the ES-3000. Repeat for the patches marked B and C.

The on-screen image helps you locate the patches A, B, and C.

- 3 Click Next.
- **4** When i1iO3 finishes measuring the page, click **Next**.
- **5** Measure the remaining patch pages (if any) in the same manner as the first, starting with the placement of the page and the registration of patches A, B, and C.
- 6 After you measure the last page, click Next.

Measure with Spectro LFP

The Barbieri Spectro LFP automatically positions the page under its measurement aperture and moves the page to measure each row of patches. The on-screen image highlights each row as it is measured.

- Connect the Spectro LFP to your computer and turn on the Spectro LFP.
- Calibrate the Spectro LFP.
- To learn about the Spectro LFP, see the documentation that accompanies the instrument.

When you select the Spectro LFP as your measurement method, you can set the patch size to one of the available sizes: **Normal (Default)**, **Medium**, and **Large**. The measurement method is the same for all patches regardless of patch size.

When you have successfully measured a page, you can check the measurements.

1 Place the first patch page on the sample holder, insert the sample holder in the Spectro LFP, and then click **Next**.

Position the page as shown on the screen.

Note: You can switch from scan measurements to scan to spot measurements, and back to scan measurements as a per row decision for both a chart and a wedge.

2 Following the on-screen instructions, position the cross hairs over the patch marked A and click **Next** or press the Enter key. Repeat for the patches marked B and C.

The on-screen image helps you locate the patches A, B, and C.

- 3 Click Next.
- **4** When Spectro LFP finishes measuring the page, click **Next**.
- **5** Measure the remaining patch pages (if any) in the same manner as the first, starting with the placement of the page and the registration of patches A, B, and C.
- 6 After you measure the last page, click Next.

Measure with Spectro LFP qb

The Barbieri Spectro LFP qb automatically positions the page under its measurement aperture and moves the page to measure each row of patches. The on-screen image highlights each row as it is measured.

Before you measure pages, be sure that the Spectro LFP qb and your computer are both connected to the same subnet of your local area network. Contact your network administrator if you are unsure.

- Connect the Spectro LFP qb to your computer and turn on the Spectro LFP qb.
- Calibrate the Spectro LFP qb.
- To learn about the Spectro LFP qb, see the documentation that accompanies the instrument.

The Spectro LFP qb is connected to your computer through your local area network rather than through a USB connection. The Spectro LFP qb can be used to measure pages for multiple computers on the network.

When you have successfully measured a page, you can check the measurements if desired.

When you select the Spectro LFP qb as your measurement method, you can set the instrument settings.

Measurement mode - Select the type of measurement that you want. You measure each strip in a single pass.

- M0 One pass, UV included
- M1 One pass, D50 UV included
- M2 One pass, UV cut
- M3 One pass, Polarization filter applied only

You can set the patch size to one of the available sizes: **Normal (Default)**, **Medium**, and **Large**. The measurement method is the same for all patches regardless of patch size.

You should select your connection setting by choosing USB or Network.

When a page has been successfully measured, you can check the measurements. If any measurements are not as expected, you can remeasure the strip.

1 Place the first patch page on the sample holder, insert the sample holder in the Spectro LFP qb, and then click **Next**.

Position the page as shown on the screen.

Note: You can switch from scan measurements to scan to spot measurements, and back to scan measurements as a per row decision for both a chart and a wedge.

2 Following the on-screen instructions, position the cross hairs over the patch marked A and click **Next** or press the Enter key. Repeat for the patches marked B and C.

The on-screen image helps you locate the patches A, B, and C.

- 3 Click Next.
- 4 When Spectro LFP qb finishes measuring the page, click Next.
- **5** Measure the remaining patch pages (if any) in the same manner as the first, starting with the placement of the page and the registration of patches A, B, and C.
- 6 After you measure the last page, click Next.

Measure with i1iSis or i1iSis XL

Measurement using i1iSis or i1iSis XL is automatic. When you have successfully measured a page, you can check the measurements if desired.

Before you measure pages, be sure that the measurement instrument is connected properly.

- 1 Place the first measurement page in the instrument in the direction indicated on the page, and press the button.
- **2** Continue to measure the remaining measurement pages (if any) in the same manner as the first until you have measured all pages.
- 3 After the last page has been measured, click Next.

Measure with ES-6000

The ES-6000 spectrophotometer is an XRGA-compliant instrument that can read pages automatically and can connect to your computer through a local area network.

Before you measure pages, be sure that the ES-6000 and your computer are both connected to the same subnet of your local area network. Contact your network administrator if you are unsure.

The ES-6000 is similar to the X-Rite i1 iSis, but the ES-6000 is connected to your computer through your local area network rather than through a USB connection. The ES-6000 can be used to measure pages for multiple computers on the network. A unique ID printed on the page enables the ES-6000 to send measurements to the correct computer.

When you have successfully measured a page, you can check the measurements if desired.

- 1 Press the button on the instrument before inserting patch page.
- **2** When the light starts blinking, place the first measurement page in the instrument in the direction indicated on the page.
- **3** Continue to measure the remaining measurement pages (if any) in the same manner as the first until you have measured all pages.
- **4** After the last page has been measured, click **Next**.

Measure with FD-9

Measurement using the Konica Minolta FD-9 is automatic. When you have successfully measured a page, you can check the measurements if desired.

Before you measure pages, connect the FD-9 to your computer and turn on the FD-9. To learn about the FD-9, see the documentation that accompanies the instrument.

- 1 Set the paper guides on the instrument to the width of the measurement page.
- 2 Place the leading edge of the page into the FD-9 until the page is pulled in.

If the FD-9 instrument is connected with the optional sheet feeder unit, select **OK** button on the instrument to start measurement.

- **3** Continue to measure the remaining measurement pages (if any) in the same manner as the first until you have measured all pages.
- **4** After the last page has been measured, click **Next**.

Measure with MYIRO-1

You can measure color patches on a page using the Konica Minolta MYIRO-1 spectrodensitometer.

- Connect the MYIRO-1 to your computer and turn on the MYIRO-1.
- To learn about the MYIRO-1 and to set up Wifi connections on the measurement instrument, see the documentation that accompanies the instrument.

Note: You must start to measure the color patches within two seconds after the LED turns white on the MYIRO-1, otherwise you may receive an error.

When you select the MYIRO-1 as your measurement method, you can set the instrument settings.

Measurement mode - Select the type of measurement that you want. You measure each strip in a single pass.

- M0 Standard illumination (incandescent), no UV filter
- M1 Supplemented illumination (D50), no UV filter
- M2 Standard illumination (incandescent), UV filter (or UV cut)

Note: M0, M1, and M2 are standard measurement conditions described in ISO 13655.

You can set the patch size to one of the available sizes: **Normal (Default)**, **Medium**, and **Large**. The measurement method is the same for all patches regardless of patch size.

When a page has been successfully measured, you can check the measurements. If any measurements are not as expected, you can remeasure the strip.

1 Place the patch page on a smooth, even surface.

For more accurate measurement, place several sheets of plain white paper beneath the page.

2 Place the strip guide over the first row and position the MYIRO-1 on the strip guide.

For help with placing the instrument, click **Show me how**.

- **3** When the screen indicates that the MYIRO-1 is measuring, place the tip of the sample aperture on the instrument over the white space at either end of the strip specified on the screen.
- **4** Hold down the button on the side of the MYIRO-1 and slide the instrument along the strip of patches slowly and at an even pace.
- **5** Release the button when the MYIRO-1 reaches the white space at the end.
- **6** After you successfully measure one strip of patches, move the strip guide and the MYIRO-1 to the next strip specified on the screen.
- **7** Continue to measure the remaining strips in the same manner until you have measured all patches on the page.

- **8** Continue to measure the remaining patch pages (if any) in the same manner until you have measured all patch pages.
- **9** After you measure the last page, click **Next**.

Measure with MYIRO-9

Measurement using the Konica Minolta MYIRO-9 is automatic. When you have successfully measured a page, you can check the measurements if desired.

Before you measure pages, connect the MYIRO-9 to your computer and turn on the MYIRO-9. To learn about the MYIRO-9, see the documentation that accompanies the instrument.

- **1** Set the paper guides on the instrument to the width of the measurement page.
- 2 Place the leading edge of the page into the MYIRO-9 until the page is pulled in.If the MYIRO-9 instrument is connected with the optional sheet feeder unit, select OK button on the instrument to start measurement.
- **3** Continue to measure the remaining measurement pages (if any) in the same manner as the first until you have measured all pages.
- 4 After the last page has been measured, click Next.

Measure with Spectro Swing

Measurement using the Barbieri Spectro Swing is automatic. When you have successfully measured a page, you can check the measurements if desired.

Before you measure pages, be sure that the Spectro Swing is connected properly.

- 1 Place the first measurement page in the instrument.
- **2** Continue to measure the remaining measurement pages (if any) in the same manner as the first until you have measured all pages.
- **3** After the last page has been measured, click **Next**.

Measure with inline instrument

Measurement using the inline instrument installed on the printer is automatic. When you have successfully measured a page, you can check the measurements, if desired.

Fiery ColorGuard supports the following inline measurement instruments.

- Canon iPRC10000VP Series Inline
- Xerox iGen 150 Inline Spectrophotometer
- Konica Minolta IQ-501

Before you measure pages, the inline instrument must be installed in the printer. To learn about the inline instrument, see the documentation that accompanies the instrument.

Measure pages (any instrument)

Before measuring measurement pages, be sure that the measurement instrument is connected properly. Calibrate the instrument if instructed to do so.

Note: Patches may be bordered by rows of yellow patches or black patches that allow the instrument to measure in either direction. The yellow patches and black patches are not included in the measurement data.

- 1 Place the first measurement page in or on the instrument.
- 2 If page registration is required, follow the on-screen instructions to register the page location.
- **3** If the instrument requires you to scan the patches manually, follow the on-screen instructions to scan each strip.

Note: In some cases, an invalid measurement may be detected even if you measured the correct strip. Measure the strip again to confirm the correct strip was measured. The error message does not affect the measurement process, and the measurement instrument will complete the measurement successfully.

4 After you successfully measure a page, you can check the measurements.

If any measurements are not as expected, you can remeasure the strip if your instrument supports manual scanning.

- 5 Continue to measure any remaining pages.
- 6 After you measure the last page, click Next.

Measurement errors

When you measure color patches, the measurements are validated against a set of rules that are designed to detect errors in measurement values and to enable you to scan strips in either direction.

If an invalid measurement is detected, you can repeat the measurement.

Incorrect measurements can result from these causes:

- You measure the wrong strip, even though it is on the correct page.
- You measure the wrong page.
- The page has printing defects that produce incorrect colors.
- The printer or the media has a condition that causes unexpected colors.

Note: In some cases, an invalid measurement may be detected even if you measured the correct strip. Measure the strip again to confirm the correct strip was measured. The error message does not affect the measurement process, and the measurement instrument will complete the measurement successfully.

Check measurements after you measure a page

You can check a page's measurements before continuing. On the screen, there is a magnified view of the selected strip and the one next to it. Measurement values appear when you move the mouse pointer over a patch.

1 In the patch layout shown on the screen, click the strip that you want to check.

2 In the magnified view, move the mouse pointer over the patch that you want to check.

Remeasure a strip

With handheld measurement instruments, you can remeasure a strip. A magnified view on the screen displays the selected strip and the one next to it.

- 1 In the patch layout on the screen, click the strip that you want to remeasure.
- 2 In the magnified view, click the number or the letter of the strip that you want to measure.
- **3** When prompted, measure the strip as before.
- **4** Click **Next** to go to the next page, or continue with the procedure.

Recalibrate color output

You can recalibrate the color output of a printer, as scheduled, from the Fiery ColorGuard Client application. Keep in mind the following requirements:

- Internet connection
- Supported measurement instrument
- Recalibration scheduled for the printer
- 1 Open the Fiery ColorGuard Client application.
- **2** Click the Schedule icon ($\mathbf{\bullet}$).
- 3 Click Calibrate.

The Fiery ColorGuard Client application uses Fiery Calibrator and FieryMeasure to print and measure color patches for recalibration.

- 4 Select the Calibration name and click Next.
- 5 Select the type of measurement, or to import a patch layout from a file, select Import and select the file.Optionally, click Settings to set options for the measurement instrument.
- **6** Select a patch set from the list.
- 7 Select the Paper source that corresponds to your recalibration and click Next.
- 8 Retrieve the patch set pages from the printer and discard any warmup pages.
- 9 Follow the on-screen instructions to measure the patch set.
- 10 Click Next
- **11** (Optional) Click **Test page** to check recalibration results.
- 12 Click Apply and Close.

Fiery Verify for Fiery ColorGuard

Fiery Verify displays the verification results from the Fiery ColorGuard Client application. Results are calculated from the verification preset associated with a verification scheduled in Fiery ColorGuard. Verification presets specify the color reference, tolerance set, and patch set used for a scheduled color verification. Fiery Verify allows you to edit verification presets and tolerance sets for the purpose of comparison.

Note: Verification presets and tolerance sets edited in Fiery Verify are not uploaded to Fiery ColorGuard. Fiery Verify requires a Fiery ColorGuard license or Fiery Color Profiler Suite license. Fiery Verify supports the following handheld measurement instruments:

- EFI ES-2000
- EFI ES-3000
- X-Rite i1Pro
- X-Rite i1Pro 2
- X-Rite i1Pro3
- X-Rite i1Pro3 Plus
- Konica Minolta FD-5BT
- Konica Minolta MYIRO-1

Save sample measurements

You can save the measurement sample made as part of the verification process as a .it8 file.

- 1 In Fiery Verify, click **Comparison** > **Save sample**.
- 2 Navigate to the location where you want to save the file.
- **3** Type a file name and click **Save**.

Save sample as reference

You can save a measurement sample for use as a color reference in the verification preset editor.

- 1 In Fiery Verify, click Comparison > Save sample as reference.
- **2** Type a file name and click **Save**.

Load a reference file

You can load a reference file into Fiery Verify to compare it to a measurement sample. Keep in mind the following:

- Fiery Verify supports .icc, .txt, and .it8 file extensions.
- The reference file must contain valid CGATS data.
- If you use .icc files, a default patch set of IT8.7/4 is used.
- 1 In Fiery Verify, click Comparison > Load reference.
- **2** Select a file and then click **Open**.

The reference file is loaded into Fiery Verify.

Load a sample file

You can load a sample file into Fiery Verify to compare it to a reference file. Keep in mind the following:

- Fiery Verify supports .icc, .txt, and .it8 file extensions.
- The sample file must contain valid CGATS data.
- If you use .icc files, a default patch set of IT8.7/4 is used.
- 1 In Fiery Verify, click **Comparison** > **Load sample**.
- **2** Select a file and then click **Open**.

The sample file is loaded into Fiery Verify.

Patch measurement

You can compare newly measured color patches to printed color patches.

Make sure your supported handheld measurement instrument is connected to your computer.

- **1** To compare printed color patches, do one of the following:
 - Click File > New comparison.
 - Load measurements from a color reference file or a sample file.
- 2 Click Comparison > Start patch measurement.
- 3 Follow the on-screen calibration instructions to calibrate your measurement instrument.
- 4 Click Measurement mode to select your preferred measurement mode.
- 5 Click Calibrate.

- 6 Click a row in the **Reference** or **Sample** to place your color measurement.
- 7 Place the measurement instrument over the color patch you want to measure.
- 8 Scan the color patch with the measurement instrument.

Fiery Verify automatically compares the measured patch values to the values listed under the **Reference** or **Sample** columns and display the results.

9 Click **Stop measurement** after all patches have been measured.

Measure a patch page to use as a reference

You can measure a patch page to use as a color reference file in Fiery Verify.

A pre-printed patch page is required.

Note: Fiery Verify saves the measurement as an .it8 file.

1 In Fiery Verify, click **Comparison** > **Measure reference**.

Fiery Verify uses FieryMeasure to measure sample color patches.

- 2 Select your measurement instrument from the Instrument list.Optionally, click Settings to set options for the measurement instrument.
- **3** Select the type of measurement, or to import a patch layout from a file, select **Import** and select the file.
- **4** Select the appropriate page layout for the measurement instrument.
- **5** Select the chart size from the **Chart size** list that corresponds to paper appropriate for your workflow and loaded in the printer.
- 6 Click Measure.
- 7 Follow the on-screen instructions to calibrate your measurement instrument.
- 8 Follow the on-screen instructions to measure the patch layout page.

Measure a sample file

You can measure a patch page to use as a sample file in Fiery Verify.

A pre-printed patch page is required.

Note: Fiery Verify saves the measurement as an .it8 file.

1 In Fiery Verify, click **Comparison** > **Measure sample**.

Fiery Verify uses FieryMeasure to measure sample color patches.

2 Select your measurement instrument from the **Instrument** list.

Optionally, click Settings to set options for the measurement instrument.

3 Select the type of measurement, or to import a patch layout from a file, select **Import** and select the file.

- 4 Select the appropriate page layout for the measurement instrument.
- **5** Select the chart size from the **Chart size** list that corresponds to paper appropriate for your workflow and loaded in the printer.
- 6 Click Measure.
- 7 Follow the on-screen instructions to calibrate your measurement instrument.
- 8 Follow the on-screen instructions to measure the patch layout page.

Save a report

You can save the details of the verification comparison as a PDF file.

- **1** Do one of the following in Fiery Verify:
 - Click File > Export to PDF > Report.
 - Click the **Report** icon 🖹 .
- 2 Navigate to the location where you want to save the report and click Save.

Create a verification label

You can save the details of a verification comparison as a label in a PDF file.

- Click the Label icon after completing a verification in Fiery Verify.A label is created as a PDF file and opens in your default PDF viewer.
- 2 Print or save the PDF file.

Note: The G7 Grayscale tolerance set does not require a color reference file.

View recent verification history

You can check the status and results of recently completed verifications in the Fiery ColorGuard Client application. You can view or download a detailed report of the results of recently completed verifications.

- 1 Open the Fiery ColorGuard Client application.
- 2 Click **D**.
- **3** Click \bigoplus to view the verification results.
- **4** In the verification results window, you can perform the following:
 - Click **Detail** (\bigoplus) to view detailed verification results in **Fiery Verify**.
 - Click **Report** (🖹) to download and save the verification results as a shareable PDF file.

- Click Label () to create a label of the verification results as a PDF file.
- Click **Recalibrate** (*X*) to recalibrate.

Reverify

You can reverify the color after your printer is recalibrated.

Keep in mind the following requirements:

- Internet connection
- Supported measurement instrument
- Recalibrated printer.
- 1 Open the Fiery ColorGuard Client application.
- 2 Click 🕥.
- **3** Click **C**^{**t**} to reverify the verification result.
- **4** Select your measurement instrument from the the **Instrument** list.

Optionally, click Settings to set options for the measurement instrument.

- **5** In the **Chart size** list, select the chart size that corresponds to the paper specified by the Job properties preset on page 31.
- **6** (Optional) Specify the number of warmup pages.

Warmup pages are beneficial if the printer has not been used for a period of time.

- 7 Click Print.
- 8 Retrieve the pages from the printer and discard any warmup pages.
- **9** Follow the on-screen instructions to measure the patch page.

10 Click Done.

11 In the verification results window, you can perform the following:

- Click **Detail** (①) to view detailed verification results in Fiery Verify.
- Click **Report** (🖹) to download and save the verification results as a shareable PDF file.
- Click **Label** (⁽) to create a label of the verification results as a PDF file.
- Click **Recalibrate** (*X*) to recalibrate.

Failed Verifications

If your printer fails a verification, do one of the following:

- Recalibrate the printer
- Ensure the correct paper was loaded
- Use the ink or toner specified by the printer manufacturer
- Create an output profile specific to the color reference and tolerance settings
- Ensure that environmental factors in your print shop, such as temperature and humidity, are within the ranges specified by the printer manufacturer
- Service your printer

Uninstall the Fiery ColorGuard Desktop application from a Mac computer

You can uninstall the Fiery ColorGuard Desktop application from a Mac computer if you do not want to use it.

This procedure is applicable only if you are using Fiery Command WorkStation v6.8 and earlier.

- 1 Open the Applications folder and double-click Fiery Software Uninstaller.
- 2 Select Fiery ColorGuard.
- **3** Click **Uninstall** and follow the on-screen instructions.

Uninstall the Fiery ColorGuard Desktop application from a Windows computer

You can uninstall the Fiery ColorGuard Desktop application from a Windows computer if you do not want to use it. This procedure is applicable only if you are using Fiery Command WorkStation v6.8 and earlier.

- 1 Open the Windows Control Panel.
- 2 Click Uninstall a program.
- **3** Select Fiery ColorGuard.
- 4 Click Uninstall and follow the on-screen instructions.

Uninstall the Fiery ColorGuard Client application from a Mac computer

To uninstall the Fiery ColorGuard Client application, you will have to uninstall Fiery Command WorkStation. This procedure is applicable for Fiery Command WorkStation v7.0 and later.

- 1 Open the Applications folder and double-click Fiery Software Uninstaller.
- 2 Select Fiery Command WorkStation Package.

3 Click **Uninstall** and follow the on-screen instructions.

Uninstall the Fiery ColorGuard Client application from a Windows computer

To uninstall Fiery ColorGuard Client application, you will have to uninstall Fiery Command WorkStation. This procedure is applicable for Fiery Command WorkStation v7.0 and later.

- 1 From the desktop, click the Windows logo (Start button) and select Fiery > Fiery Software Manager.
- 2 Click the delete button for Fiery Command WorkStation package.
- **3** Follow the on-screen instructions.

EFI Go

Check printer status, review submitted jobs, and view history from anywhere. With the EFI Go mobile application you can:

- View the status for each printer.
- Monitor and track production schedules.
- Configure notifications for production blocking events.

Note: EFI Go is available for download on Google Play and the Apple App Store.

Supported mobile devices

The EFI Go mobile application is supported by the following mobile devices:

- Android 5.0 and later.
- iOS 9.0 and later.

Note: EFI Go is available for iPhone, iPad, and iPod touch.

Supported print devices

EFI Go supports printers connected to Fiery servers running Fiery system software FS200/200 Pro and later.

View device information

You can view detailed information about your devices connected to Fiery IQ.

- **1** Log on to the EFI Go application.
- **2** From the **Device List**, tap one of the following lists:
 - All Devices
 - Printing
 - Errored

All Devices displays by default.

3 Tap your preferred device.

- **4** Tap one of the following to view status of a job for the selected device:
 - Held displays a list of held jobs.
 - Process queue displays a list of processed jobs.
 - Print queue displays a list of jobs to be printed next.
 - Printed displays a list of jobs that have been printed.

View device logs

You can view detailed device logs on EFI Go.

- In the EFI Go mobile application, navigate to the Device List.
 All Devices displays by default.
- **2** Tap the name of your preferred device.
- **3** Tap **Device Logs**.
- **4** Tap one of the following lists for specific information:
 - Active
 - All
 - Error
 - Warning
 - Status

View device states

You can view detailed device state information on EFI Go.

- In the EFI Go application, tap your preferred device from the Device List.
 All Devices displays by default.
- 2 Tap Device States.
- **3** Specify the time period for your device state report.

Search for jobs

You can search for jobs on your Fiery IQ connected printers using EFI Go mobile application.

1 To search for a specific job on all the connected printers, type the job name in the search field and tap the magnifying glass icon (Q) on the keypad.

The status of the specified job on the corresponding printers is displayed.

2 To return to the **Device List**, tap the arrow icon (\leftarrow) in the upper-left corner.

After performing a search, you can clear the current search by tapping in the search field and then tapping **X** in the search field. This allows you to search by a different word.

View notifications

You can view notifications for production blocking events from your mobile device with EFI Go.

- Configure your notifications in the Fiery Notify cloud application.
 For more information, see Enable alerts for production blocking events on page 71.
- 2 If a production blocking event occurs, choose one of the following ways to view notifications on your mobile device:
 - Tap the EFI Go push notification on your mobile device.
 - In the EFI Go mobile application, tap Notification.

Log off Fiery IQ in EFI Go

Log your mobile device off Fiery IQ from the EFI Go mobile application.

- 1 In the EFI Go mobile application, tap **Settings**.
- 2 Tap Logout.

Fiery Manage

Keep print production running smoothly and stay in control of your print environment.

With the Fiery Manage application, you can:

- Create, store, and deploy configurations across all Fiery driven devices of the same model for more consistent quality and predictable production.
- Check and report Fiery systems that do not match a master configuration so you can take immediate action and bring a Fiery server back in compliance.
- Identify print device issues and changes to the device configuration that are blocking print production so you can minimize production slowdowns.
- Remote access to the Fiery server configuration (Fiery configuration report).

Note: Fiery Manage requires a license to be available for each printer. Contact your Fiery supplier to purchase Fiery Manage application licenses or license renewals.

Note: To assign Fiery Manage licenses to printers, see Fiery IQ application licenses for printers on page 17.

Supported print devices

Fiery Manage supports printers connected to Fiery servers running Fiery system software FS200/200 Pro and later.

Create a sync package

You can create a package to sync resources installed on printers of the same model.

Before you begin, know which printers you want to use as the source for the sync package content.

- 1 In the Manage application, click 2.
- 2 Click Create sync package.

Note: You must have a valid Fiery Manage license to create a new sync package.

- **3** Type a name for the sync package in the **Name the package** field.
- **4** Type a description in the **Description** field if desired.
- 5 Click Next.
- 6 Select a source printer and click Next.
- 7 Click Create package.

Deploy sync package

You can deploy a Resource Sync Package for collections and individual devices..

- 1 In the Manage application, click \mathbf{C} .
- 2 Click Deploy.
- **3** Type a name for the deployment and click **Next**.
- **4** Under **Collection** and **Devices**, select the check boxes for the collections and individual devices you want to receive the sync package.
- **5** Click one of the following:
 - Deploy Now If you want to deploy the Resource Sync Package immediately.
 - Schedule If you want to deploy the Resource Sync Package at a later time.
- 6 Pick the date and time to sync and choose when to send the sync deployment alert.

Check compliance

You can check your devices against a standard to ensure that patches and programs are installed.

- 1 In the **Manage** application, click 🕏.
- 2 Select a Fiery server to serve as the compliance master.

The compliance master functions as the standard for compliance checks.

3 Click **Download compliance report** to download a .txt version of the compliance report.

The .txt compliance report includes the IP addresses of the included Fiery servers.

Download Fiery server configuration

You can download the latest or last created Fiery server configuration of your devices. When you restart a Fiery server, the latest Fiery server configuration is automatically uploaded to the cloud.

- 1 In the **Manage** application, click **†↓†**.
- 2 Click in the Action column next to the device for which you want to download the server configuration.

- **3** Perform one of the following steps based on your requirement:
 - If you want to download the latest server configuration, click Request latest Fiery server configuration.
 Note: You can download the latest server configuration only when the Fiery server is online.
 - If you want to download the last created server configuration, click **Download**.

Note: If the Fiery server is offline, you can download only the last created server configuration.

The Fiery server configuration file is downloaded to your local system.

Fiery Insight

Maximize utilization and profit from your printers with accurate production tracking. With the Fiery Insight application you can:

- Track trends over time.
- View production data for a single Fiery Driven[™] device or aggregated data for multiple devices.
- Customize your dashboard by selecting what data you want to display, and how you want to see it.
- Track usage and compare productivity.
- Display the production statistics you want to see in a table for a side-by-side comparison of individual printers or group of printers.

Supported print devices

Fiery Insight supports printers connected to Fiery servers running Fiery system software FS200/200 Pro and later.

Download a Job log

You can specify what printers and dates you want the job log to cover.

- 1 In the **Insight** application, click .
- 2 Click the Job log 🖃 icon.
- **3** Select the date range and click **Apply**.
- **4** Select the check boxes for the collections and individual devices you want to include in the job log and click **Apply**.
- **5** Click the toggle buttons for the shifts you want to include in the job log and click **Apply**.
- 6 Click Configure columns.

For more information and descriptions of the job log columns, see Job log columns on page 65.

- 7 Select the attributes that you want to include in the job log and click **Apply columns**.
- 8 Click **Download Job Log** to download the job log as a .csv file.

Note: Only selected attribute columns are exported in the .csv file.

Configure the job log columns

You can customize the columns shown in the job log.

- 1 In the **Insight** application, click .
- 2 Click the Job log icon (EE).
- **3** Click **Configure columns**.
- **4** Select the desired job information.

For more information and descriptions of the job log columns, see Job log columns on page 65.

You can click **Restore defaults** to display the default job information settings.

5 Click Apply columns.

Job log columns

You can choose the information the job log columns display for a printer or a print job.

The information that you can choose to display in the job log depends on your printer. Some job log columns may not display any value depending on your printer. For more information, see your printer specification or contact your Fiery supplier.

The table describes the list of categories available in the job log.

Column categories	Column names	Column description
Job Info	Copies	Total number of requested copies of the job for printing
	Size	Size of the printed job in bytes
	Job title	Name of the print job
	Name	Name of the printer
	ID	Identification number of the print job
	Print status	Specific print state of a print job on the Fiery server, such as Printed or Cancel
	Virtual printer	Name of a created print queue with predefined settings
	User	Name of the current user
	Status	Status of the print job, such as Printed or Completed
	Rip seconds	Time taken for processing the print job
		In raster image processing (RIP), a job is processed into a raster file or image to make it ready for printing.

Column categories	Column names	Column description
	Interpreter	File format of the print job
		Interpreter converts any file to a printable job format such as PostScript (PS), Adobe PCL, and Adobe PDF formats.
Media	Paper catalog name	Name of the paper catalog or media catalog
	Media usage	Total media usage value of single or mixed media
	Media coverage	Total media coverage value of single or mixed media
	Media name	Media name used for the job
		A default media name is displayed if a paper catalog or media catalog entry is not selected.
	Media size	Size of the media used for printing
	Media waste	Media that was not used in printing
	Media weight	Weight of the media in grams
	Mixed media	Different media types used
Layout	Orientation	Orientation of the print job in portrait or landscape
	Duplex	Front and back printing
Color	Color mode	Color mode used for a print job
	All ink	Ink names and ink consumption used in the print job
		When added to the Job log, columns for each ink are added, and the individual ink consumption values are displayed.
Ink	Ink used	Combined total ink consumption for all inks used in the print job
	Ink cost	Total cost of the ink used
		It is calculated based on the user input from the Fiery IQ device drill- down page.
Finishing	Finishing completed	Finishing functions performed using the finishing equipment installed on the printer after printing the job
	Finishing summary	Summary of finishing work
	Fold	Type of fold finish if one was used
	Perfect bind	Perfect bind finish support for the print job
	Punch	Punch finish support for the print job

Column categories	Column names	Column description
	Staple	Type of staple finish if one was used
Logged on	Time	Time and date of when printing ended
	First page printed time	Time and date of when the first page printed
	Job creation time	Time and date of when the print job was created
	Creation time	Time and date of when the print job was created
	Print time	Time and date of when printing started
Timestamp	Timestamp done printing	Time and date of when printing ended
	Timestamp done ripping	Time and date of when a job finished processing
	Timestamp done spooling	Time and date of when a job finished spooling
	Timestamp printing	Time and date of when printing started
	Timestamp ripping	Time and date of when a job started processing
	Timestamp spooling	Time and date of when a job started spooling
	Timestamp waiting to print	Time and date of when a job was added to the queue for printing
	Timestamp waiting to rip	Time and date of when a job was added to the queue for processing
Device	Device	Printer name
	Model	Model name of the printer
	Server name	Name of the Fiery server
	Source application	Name of the client application where the print job was submitted
Counter	Total number of black and white pages printed	Number of black-and-white pages printed for the job
	Total number of color pages printed	Number of color pages printed for the job
	Total number of sheets printed	Number of sheets printed for the job
	Total number of blank pages printed	Number of blank pages printed for the job
	B&W pages	Number of black-and-white pages
	B&W pages on color	Number of black-and-white pages printed on a color printer

Column categories	Column names	Column description
	Number of pages printed	Number of pages printed for the job
	Number of copies of job printed	Number of copies printed for the job
	Number of black and white pages	Number of black-and-white pages
	Number of color pages	Number of color pages
Others	Coverage area	Printed area of a job
	Used area	Printed area of a job
	Notes 1	First job note added when creating the print job
	Notes 2	Second job note added when creating the print job
	Instructions	Instructions provided for the operator while creating the print job

View printer utilization

You can view detailed information about your printer state.

- 1 In the **Insight** application, click
- 2 Navigate to the Printer Utilization widget and click Utilization details.
- 3 In the Utilization details window, click the arrow icon to show additional information about the printer state.

Compare printers

You can create customized side-by-side comparisons of your printers.

- 1 In the **Insight** application, click **A**.
- 2 Select a date range for the comparison and click **Apply**.
- 3 Click Categories and select the check boxes for the categories you want to compare.
- 4 Click Apply.
- 5 Click Add column and select the check boxes for the collections and individual printers you want to compare.
- 6 Click Apply.

If you click the **Shifts** toggle button under the printer name, you can view a comparison of categories for each shift.

Change the chart display

You can change the type of chart displayed on the **Trend** page.

- 1 In the **Insight** application, click .
- 2 To view charts for a specific interval, click **Display interval** and select the desired interval.
- **3** Navigate to one of the following trend charts:
 - Substrate usage
 - Ink usage
 - Jobs printed
 - Impressions
 - Media usage

Note: The widgets displayed on the **Trend** page depend on the type and configuration of your printer. Some widgets may not display any value depending on your printer.

- **4** Click one of the following:
 - displays the trend chart as a bar chart.
 - 🗠 displays the trend chart as a line chart.
- **5** If available in the trend chart, click the up and down arrows to view additional values.

Optionally, hover over each value to highlight the information on the graph. To show or hide each value, click on the value name.

Change the selected printer

You can change the selected printers to view their details on the Trend or Job log page.

- 1 In the **Insight** application, click
- 2 Click All devices and choose from the following list:
 - In the **Printer collections** tab, select the printer collections you want to view.
 - In the **Printers** tab, select individual printers you want to view. You can also search for the printer name.

Note: If you have not selected any printers, Select devices will display.

3 Click Apply.

If data is not available, the widgets will display No Data Available.

Change shifts

You can change the shifts displayed on the **Trend** or **Job log** page.

The All shifts button will appear when a shift is added to the Shift manager in the administrative functions.

- 1 In the **Insight** application, click **A**.
- 2 Click All shifts.
- **3** To remove a shift from the dashboard, click the toggle button next to the shift name.
- 4 Click Apply.

Fiery Notify

Fiery Notify allows you to schedule alerts for production blocking events and notifications for production and configuration reports.

With the Fiery Notify application, you can:

- Turn on alerts for production blocking events and notifications for production and configuration reports.
- Create configuration reports for licensed printers or printer collections.
- View the status of each notification type.
- Configure alert schedules.

Supported print devices

Fiery Notify supports printers connected to Fiery servers running Fiery system software FS200/200 Pro and later.

Enable alerts for production blocking events

When production is blocked for your registered Fiery servers, Fiery Notify sends an alert to your registered email address.

- 1 In the Notify application, navigate to Production Blocking Alerts.
- 2 Click Configure.

Alternatively, click the toggle button.

- 3 Select a production block duration after which you want to receive an alert.
- 4 Click Done.
- **5** In the window that appears, click **Done**.

Enable notification for production report

Fiery Notify sends production details of your registered Fiery servers to your registered email address.

- 1 In the Notify application, navigate to Production Reports.
- 2 Click Configure.

Alternatively, click the toggle button.

- Select a duration for which you want to receive a production report.The available durations for production report are daily, weekly, or monthly.
- 4 Click Done.
- **5** In the window that appears, click **Done**.

Note the following:

- Fiery Notify sends the production report notification at 03:00 AM in your local timezone. The weekly reports are sent every Sunday, and the monthly reports are sent on the first day of the following month.
- Production reports only include information about active devices.

Modify alerts and notification

You can modify the duration of alerts and notifications in Fiery Notify.

- In the Notify application, navigate to the alert or notification you want to modify.
 When notification or alerts are turned on, the Status column displays Active.
- 2 Click Configure.
- **3** Modify the duration.
- 4 Click Done.
- **5** In the window that appears, click **Done**.

Configuration Reports

Configuration reports allow you to view configuration details of your printers or printer collections for the specified duration.

An administrator or support user can create configuration reports and receive regular notifications based on the frequency defined in Fiery Notify.

Note: A Fiery Manage license is required to create or view the configuration reports.

Configuration report columns

The columns in the configuration report display different attributes defined or configured on your licensed Fiery servers.

The Simple Network Management Protocol (SNMP) allows remote access to monitor the Fiery server. SNMP must be turned on on the Fiery server to fetch values for the SNMP-related attributes in the configuration report. Depending on your press manufacturer, the values in the **Printer SN**, **SNMPName**, and **SNMPRepo** columns may not be displayed for all printers.

The information that you can choose to display in the configuration report depends on your press. Some columns may not display any value depending on your press. For more information, see your press specification or contact your Fiery supplier.

The table describes the list of attributes available in the configuration report columns.

Note: If you make any changes or updates to the Fiery server, it may take sometime for the updated data to show in the configuration report.

Device info columns	Description
Fiery Name	Name of the Fiery server as defined by the administrator
Fiery IP	Internet Protocol (IP) address of the Fiery server
MAC Address	Media Access Control (MAC) address of the Fiery server
Last update	Time and date when Fiery IQ last retrieved data from the Fiery server for the specified printer
Fiery version	Codebase version installed on the Fiery server
Fiery subversion	Codebase minor release version installed on the Fiery server
JDF version	Fiery JDF version
	Job Definition Format (JDF) facilitates cross-vendor workflow implementations for print job.
FCC version	Installed version of Fiery Cloud Connector
Disk size	Total disk space of the Fiery server in megabytes
OS	Operating System (OS) installed on the Fiery server
Fiery SN	Serial number of the Fiery server
Printer SN	Serial number of the printer
Auto System Updates	Availabilty of auto system updates on the Fiery server
Uptime	Time since the Fiery server was last rebooted
SysUTCTime	System time of the Fiery server in Coordinated Universal Time (UTC)
Timezone	Timezone where the printer is located
DST	Daylight Saving Time (DST) support, where "1" represents that DST is supported and "0" represents that DST is not supported in the specified timezone
SNMPReadCommunity	Community name that has access to read SNMP values
SNMPWriteCommunity	Community name that has access to write SNMP values
SNMPVersion	Version of SNMP

Device info columns	Description
SNMPSysUpTime	Time since SNMP was last re-initialized
	The time is shown in hundredths of a second and shown in epoch-based time format.
SNMPName	Name of SNMP
SNMPRepo	Internal IP address of the Fiery server that communicates with the printer
Cal-Expiration	Calibration expiration duration of the Fiery server
FCC Туре	Embedded or non-embedded Fiery Cloud Connector
	An embedded Fiery Cloud Connector is installed on the Fiery server and a non- embedded Fiery Cloud Connector onboards the Fiery server on a remote machine.
Model	Name of the printer model
FCC State	Offline or online state for the Fiery Cloud Connector
Cal-Plain	Last calibration values for a plain calibration set
DHCP-auto	DHCP state in WebTools, where "TRUE" represents that DHCP is turned on and "FALSE" represents that DHCP is turned off
DNS-auto	DNS state in WebTools, where "TRUE" represents that DNS is turned on and "FALSE" represents that DNS is turned off
NTP-enabled	NTP state in WebTools, where "TRUE" represents that NTP is turned on and "FALSE" represents that NTP is turned off
	Note: NTP allows you to set the automatic date and time option.
NTP-usepool	SNTP time server name shown in WebTools

Create configuration report

Fiery Notify sends configuration details of your registered Fiery servers to specified email addresses.

- **1** In the **Notify** application, navigate to **Configuration Reports**.
- 2 Click Create configuration report.
- **3** In the **Report name** field, type a name for the report.
- **4** Select a duration for which you want to receive a configuration report.

Note: The available durations for configuration reports are daily, weekly, or monthly.

- **5** Do one or both of the following to specify how to receive your configuration report:
 - Select the **Email** check box to receive the configuration report through email. Enter the email address or addresses to receive the configuration report. Type the subject and the contents of the email for the configuration report.
 - Select the SFTP checkbox to receive the configuration report through SFTP. Select the SFTP account to receive the configuration report. Choose an SFTP account to which you want the configuration report to be sent. If you do not have an SFTP account added, you can add one by clicking Add new SFTP. After you are redirected to the SFTP Configuration Admin console, you can add an SFTP account.

For information on adding an SFTP account, see Add an SFTP account for configuration on page 19.

- 6 Click Next.
- 7 Click **Select devices** and choose from the following list:
 - In the **Printer collections** tab, select the printer collections.
 - In the Printers tab, select individual printers. You can also search for the printer name.

Note: Only the printers or printer collections that are activated using a Fiery Manage license are available for selection from the **Select devices** list.

8 From the **Select the columns** field, select the check boxes for the configuration type that you want to include in your configuration report.

Note: For more information and descriptions of the configuration report columns, see Configuration report columns on page 72.

- 9 Click Next.
- 10 Click Upload to upload a patch file that you want to include in your configuration report.

Alternatively, enter the patch identification number and click Add.

11 Click Save.

You can create a maximum of ten configuration reports.

Fiery Notify sends the configuration report notification at 01:00 AM in your local timezone. The weekly reports are sent every Sunday, and the monthly reports are sent on the first day of the following month.

Edit configuration report

You can edit a configuration report in Fiery Notify.

- **1** In the **Notify** application, navigate to **Configuration Reports**.
- **2** Click the More icon (**:**) next to the configuration report you want to edit.
- 3 Select Edit.
- 4 Modify the report details as necessary and click Next.
- 5 Modify the devices and columns as necessary and click Next.
- 6 Modify the patches as necessary and click Save.

Duplicate configuration report

You can duplicate a configuration report in Fiery Notify.

- 1 In the Notify application, navigate to Configuration Reports.
- **2** Click the More icon (:) next to the configuration report you want to duplicate.
- 3 Select Duplicate.
- 4 Modify the report name for your duplicate configuration report and click Next.
- 5 Click Next and then click Save.

A duplicate configuration report is successfully created with the new name.

Delete configuration report

You can delete a configuration report in Fiery Notify.

- 1 In the Notify application, navigate to Configuration Reports.
- **2** Click the More icon (:) next to the configuration report you want to delete.
- 3 Select Delete.
- 4 Click OK.

Disable alerts

You can disable alerts or notifications from Fiery Notify.

- 1 In the **Notify** application, navigate to the type of notification you want to disable.
- 2 Click the active toggle button to disable your preferred notification or alert.When notification or alerts are disabled, the Status column displays Inactive.