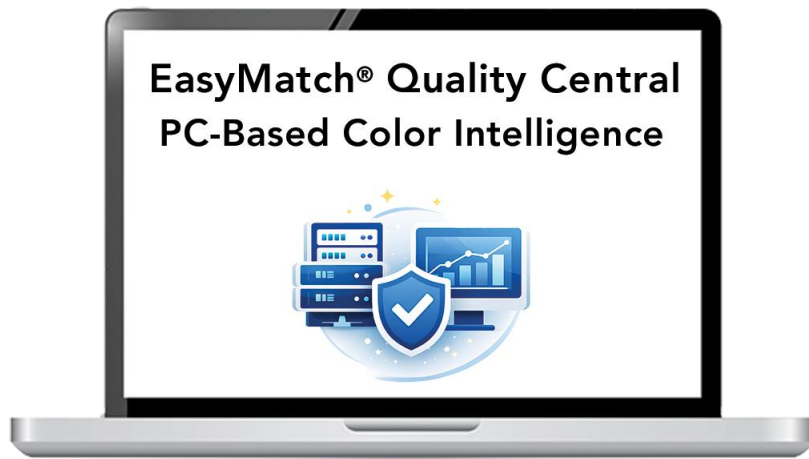


# User's Manual for EasyMatch Quality Central



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## PREFACE

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- Specific safety instruction critical to the type of instrument operation being explained in the manual where the caution appears.
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## Getting Started with EasyMatch Quality Central

### What is EasyMatch Quality Central?

EasyMatch Quality Central is a PC-based application designed to work with all Essentials L2 built-in instruments (i.e., Agera L2, ColorFlex L2, Vista with Essentials L2). It provides centralized access to instrument data, WorkSpaces, Jobs, measurements, exports, and integrations, enabling streamlined and consistent quality workflows across instruments

Quality Central expands the capabilities of Essentials L2 by allowing you to:

- Synchronize measurement data continuously
- Monitor multiple instruments from one PC
- Copy and export data efficiently
- Automatically export measurement data to a .csv file
- Share WorkSpaces between instruments
- Import legacy EZMQC jobs and migrate standards

### PC Requirements to Install EasyMatch Quality Central

Confirm that the computer meets the following minimum requirements:

**Table1: Minimum Computer Requirements**

Operating System	Windows 10, 64 bit, Professional or Enterprise Windows 11, 64-bit, Professional or Enterprise
Processor	1.5 gigahertz (GHz) or faster, 64-bit (x64) processor
RAM	8 gigabyte (GB) RAM minimum (16 GB recommended)
Hard Drive	20 GB available disk space minimum (SSD recommended)
USB Ports	At least one available USB port (for instrument connection if required)
Network Card	1 Gigabit Ethernet network adapter (built-in or USB-C adapter required for instrument communication)
Display	1920 x 1080 resolution or higher
Internet Access	Required for software updates and instrument connection (if applicable).

### Before You Begin

Quality Central requires a valid license and Essentials L2 version 2026.1 or later.

Before starting, make sure you have:

- A Quality Central license (USB flash drive)

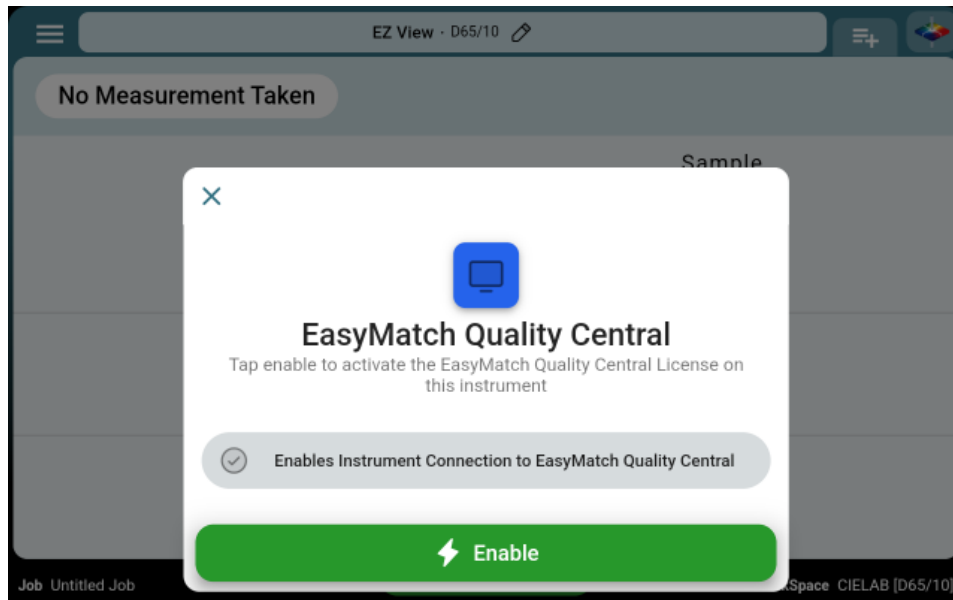
- Access to download EasyMatch Quality Central from **support.hunterlab.com**
- An instrument updated to Essentials L2 2026.1 or later. If your instrument is running an earlier version of Essentials L2, download and install the latest version from **support.hunterlab.com** before proceeding.

Essentials L2 Software download link for [Agera L2](#), [ColorFlex L2](#), [Vista with Essentials L2](#).

- A PC connected to the same network as the instrument

## Activate the License on the Instrument

1. Insert the USB flash drive containing the Quality Central license file into the USB port on the instrument.
2. When the activation prompt appears on the Essentials L2 screen, select **ENABLE**.



*Figure 1. Activate the License*

3. Once activated, the instrument is ready for connection to Quality Central.

## Install the Quality Central Software on PC

1. Download the EasyMatch Quality Central installer from [support.hunterlab.com](http://support.hunterlab.com) and run it on your PC.
2. Follow the installation prompts to complete setup.
3. Launch EasyMatch Quality Central after installation completes.

## Connect the Instrument

1. Ensure both the PC and Essentials L2 built-in instruments are connected to the same network.

**Connecting the instrument to a network switch/router that assigns IP addresses is supported.**

2. When Quality Central opens, the available instruments on the network appear in the instrument panel. You can click on the Filter Icon to filter by Instrument Model. As a default, all models are checked for search. To minimize the instruments view, click the collapse icon

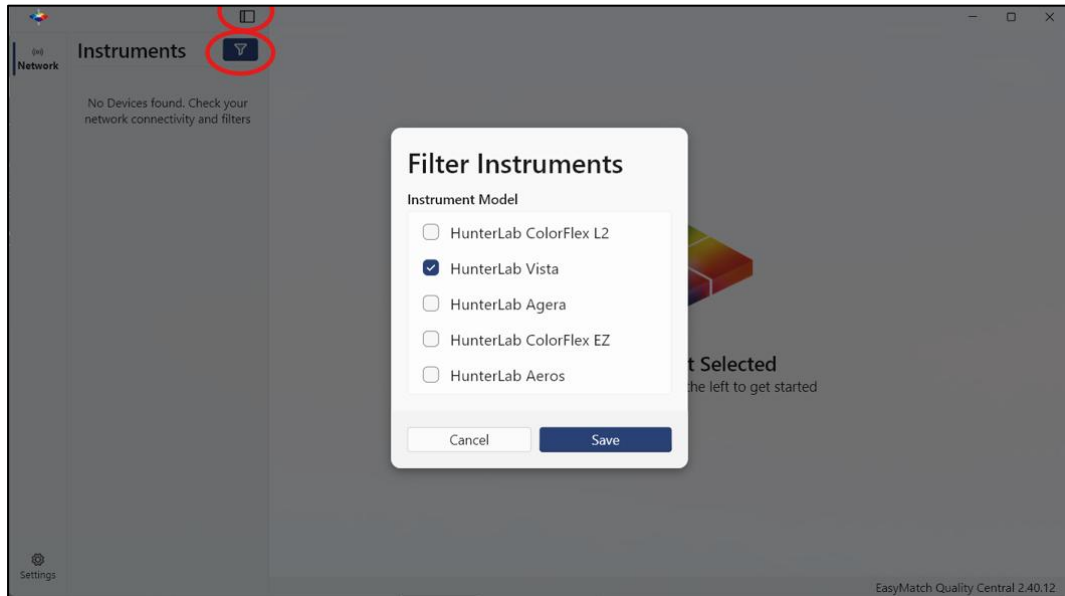


Figure 2. Select Instrument

3. If an instrument is listed with an IP address and no alert icon, it is ready for first-time connection. Double-click the instrument to connect. An Enter Access Code dialog will appear.

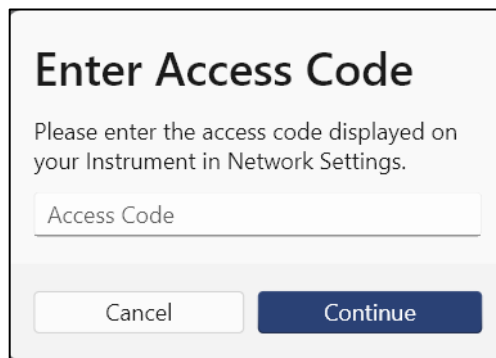
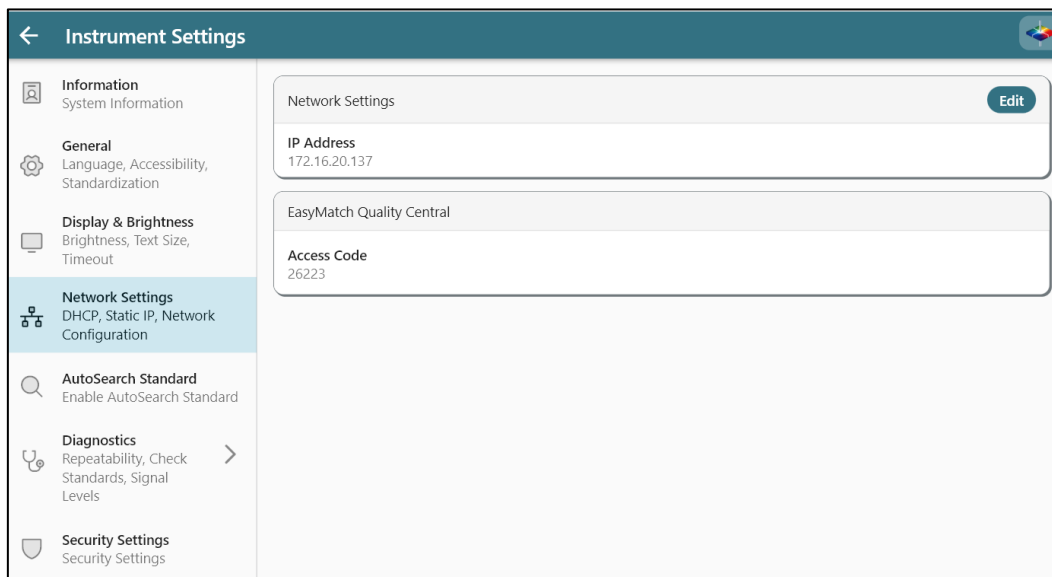


Figure 3. Enter Access Code

4. On the instrument running Essentials L2, navigate to **SYSTEM MENU → INSTRUMENT**

**SETTINGS** → **NETWORK SETTINGS**. An access code will be displayed.



*Figure 4. Find Access Code*

5. Enter the **ACCESS CODE** in Quality Central to establish the connection.

Once verified, the connection will be established and the instrument window will open in Quality Central. Each instrument window includes:

- Workspace/Jobs View – lists all WorkSpaces and Jobs.
- Measurement View – displays measurements and data views.

Use the collapse icons to hide or show WorkSpace and measurement lists for better data visibility.

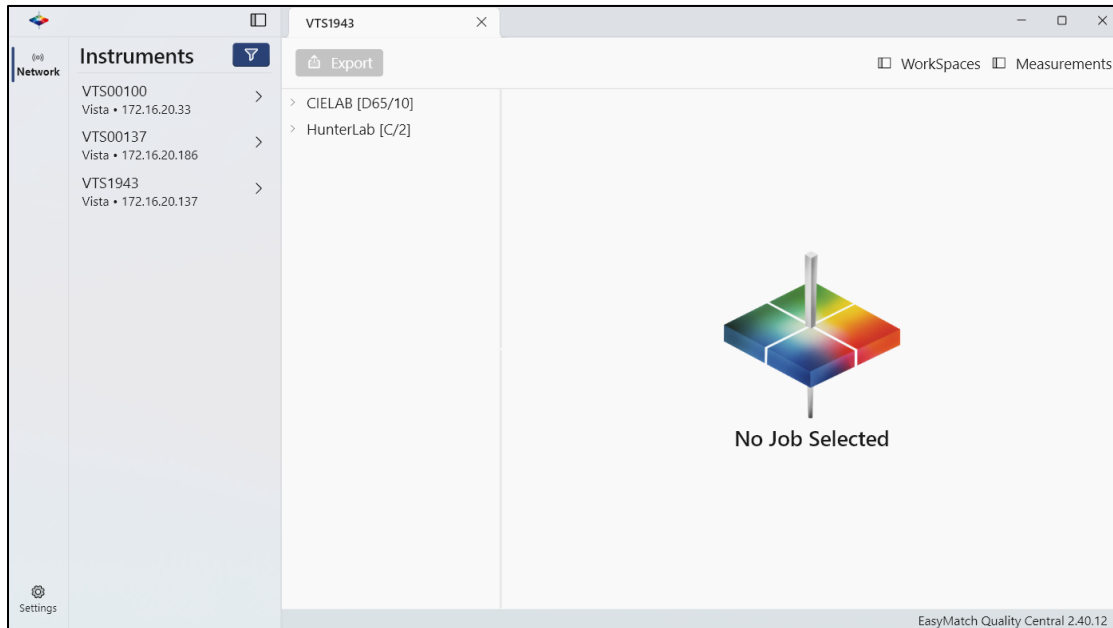


Figure 5. Instrument Display in Quality Central

## Notes on Other Status Indicators

- If the instrument is **not licensed for Quality Central**, it will not appear in the instrument list, even if it is on the same network.
- If the instrument is running **Essentials L2 earlier than version 2026.1**, it will display an alert triangle icon. Update to the latest version from [support.hunterlab.com](http://support.hunterlab.com) before connecting.

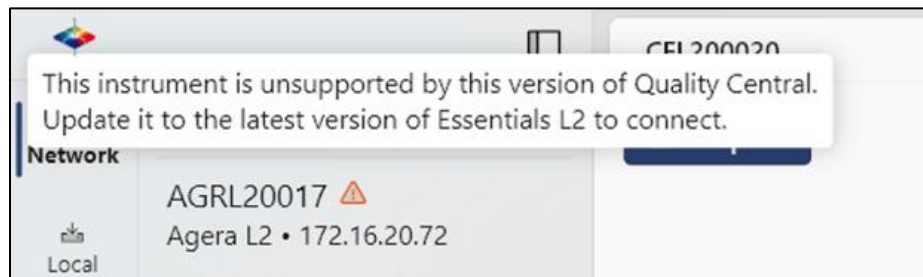


Figure 6. Update to Essentials L2 Required

- If the instrument is listed **without an IP address** and the sync indicator is grayed out, it means the instrument was previously connected but is currently offline. Only locally saved PC data can be reviewed.
- If the instrument is listed **with an IP address** and the sync indicator is green, the instrument is already connected and Quality is synchronized with the instrument.



## WorkSpace and Job Data

Quality Central maintains synchronization with connected instruments by updating the WorkSpace list, the Jobs under each WorkSpace, and the corresponding Measurements within each Job.

When a new WorkSpace or Job is created on the instrument, it will automatically appear in Quality Central while the instrument is connected. If the instrument is not connected, the new WorkSpace or Job will appear after the connection is restored and synchronization resumes.

Measurement data is synchronized from the instrument to Quality Central. Once a Job has been opened in Quality Central at least once, it is saved locally on the PC and kept in sync with the instrument. Even if the Job or instrument window is not currently open, Quality Central continues syncing measurement data in the background.

A green sync indicator next to the instrument name shows that the instrument is connected and syncing. The indicator spins while new data is being synchronized. If you are connected to the instrument, it will spin each time a measurement is taken.

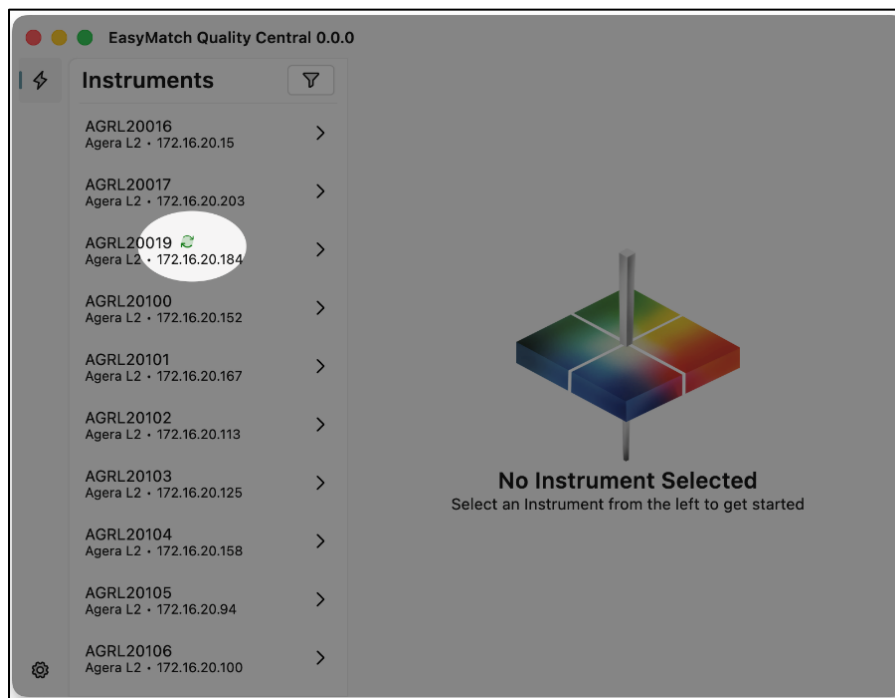


Figure 7. Sync Indicator

If the instrument becomes disconnected, the sync indicator turns gray. You can still browse the last synchronized data stored locally on the PC. When the instrument reconnects, Quality Central automatically resumes syncing.

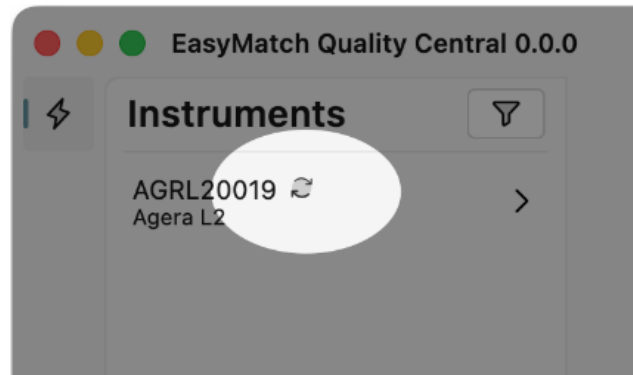


Figure 8. Disconnected Instrument

**Notes: A WorkSpace is saved locally only after a Job in that WorkSpace has been opened in Quality Central. If it has never been opened, it will not be visible when the instrument is offline. After reconnection, open a Job once to store it locally and enable ongoing synchronization. Instrument connections, opened Jobs, and locally saved data are user account-specific. Each Quality Central user account maintains its own local data and sync history.**

## Launch a WorkSpace/Job to Essentials L2

Customer can launch a Workspace or a Job from Quality Central to the instrument. Right click a **WORKSPACE/JOB** then select **LAUNCH** on Instrument.

To Launch a WorkSpace: Launch the WorkSpace with the last opened Job in the built-in Essentials 2.

To Lunch a Job: Launch the corresponding WorkSpace and the selected Job in the built-in Essentials 2.

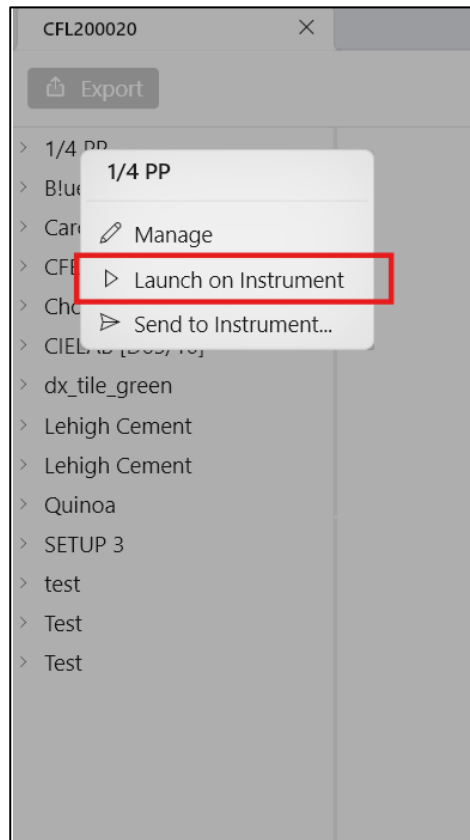


Figure 9. Launch a Workspace on the Instrument

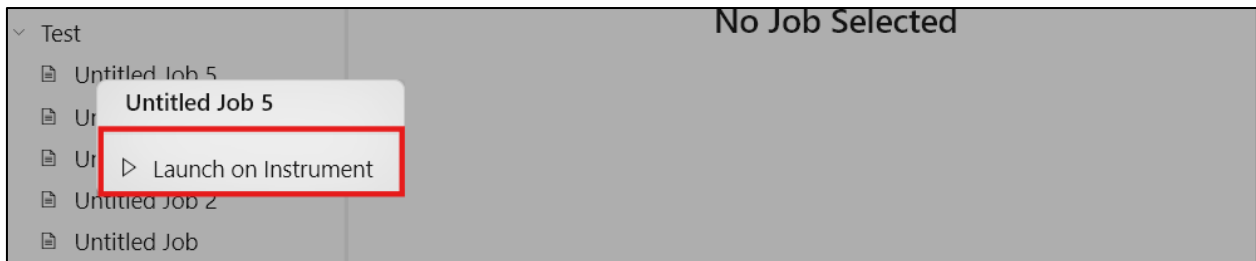


Figure 10. Launch a Job on the Instrument

## Send Workspace from Quality Central to Instruments

A WorkSpace can be created and configured on one instrument. Using Quality Central, the same WorkSpace can be sent to other instruments on the same network.

To send a WorkSpace:

1. Right-click the WorkSpace in Quality Central.
2. Select **SEND TO INSTRUMENT**.
3. In the dialog box, select the target instrument.

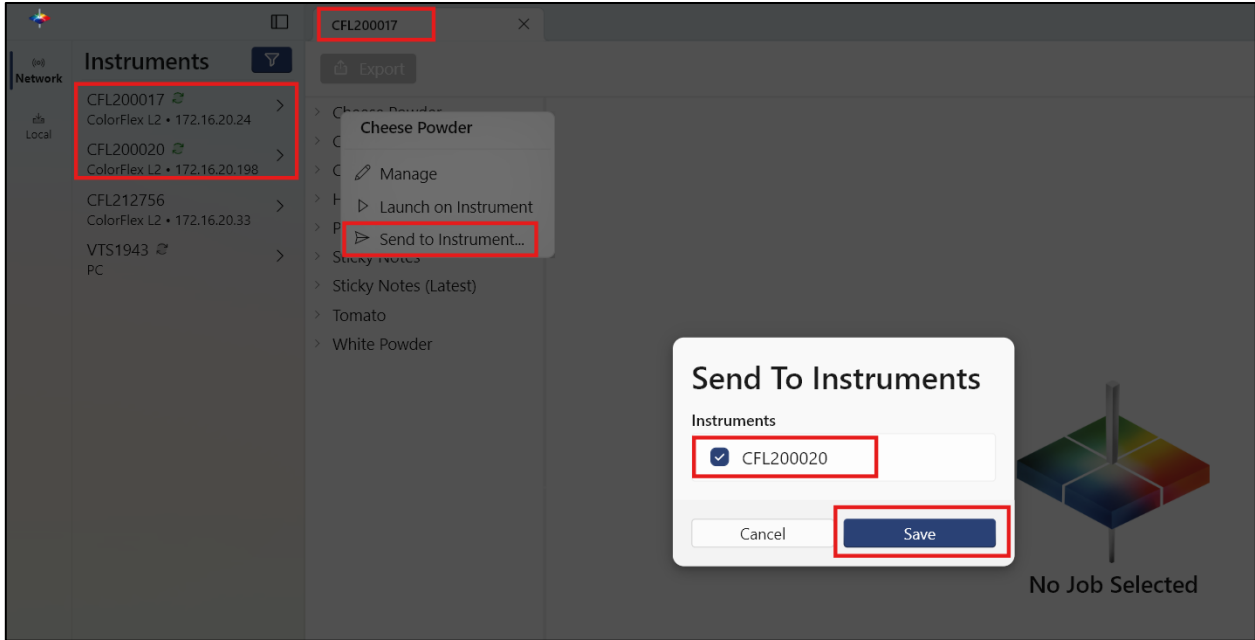


Figure 11. Send a Workspace from CFL20017 to CFL20020

**Note: The target instrument must be connected to Quality Central to receive the Workspace; otherwise, it will not appear in the selection list.**

## WorkSpace Configuration

To enable File Sync for a WorkSpace, right-click the WorkSpace and select Manage, then click Enable in the top-right corner and Save.

This step must be completed together with the application-level File Sync configuration. For detailed configuration steps, refer to the [Integration and File Sync](#) section.

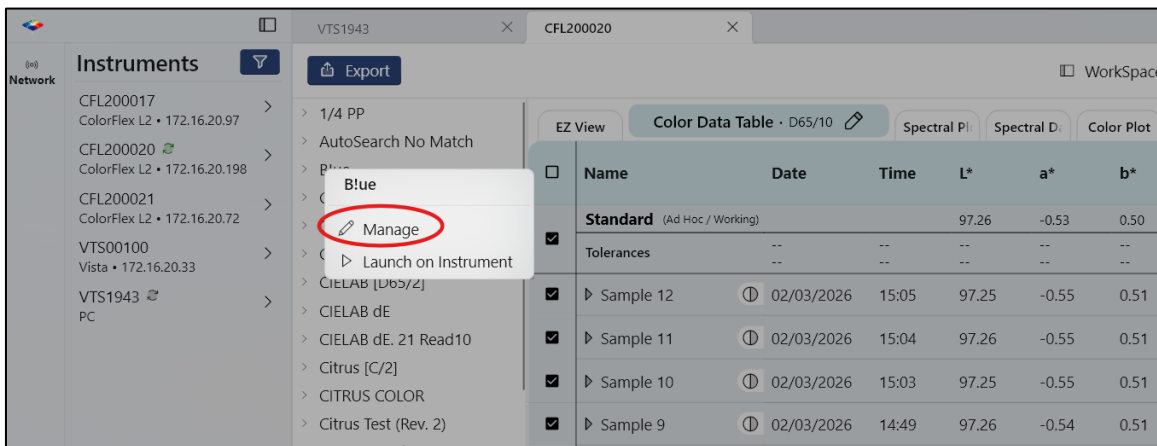


Figure 11. Workspace Manage

## Data Views and Editing

### Measurement Data View

In the instrument window, there are three main sections:

- Workspace/Job list
- Measurement list
- Data views

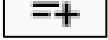
The Workspace/Job list displays all WorkSpaces and their associated Jobs. Double-click a Workspace to load its Jobs, measurements, and related data views in Quality Central.

The Measurement list shows all measurements within the selected Job.

Use the collapse icon to hide the Workspace/Job list or Measurement list to enlarge the data view area.

### Data Views

The **Data Views** panel displays measurement results in different formats. You can add or

remove views through , including:

- EZ View
- Color Data Table
- Spectra Plot
- Spectra Data Table
- Color Plot
- Sample Image

Select the **pencil icon** on a view tab to edit that view. The editing function works the same as in Essentials L2.

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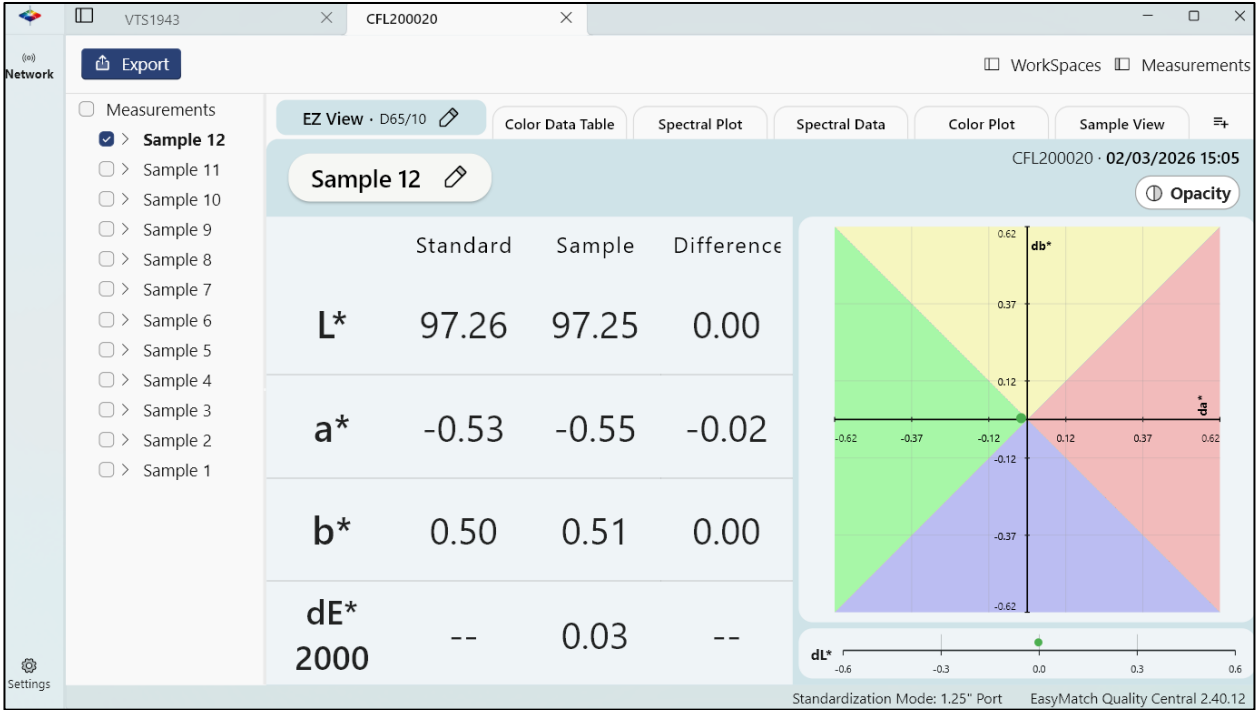


Figure 12. EZ View

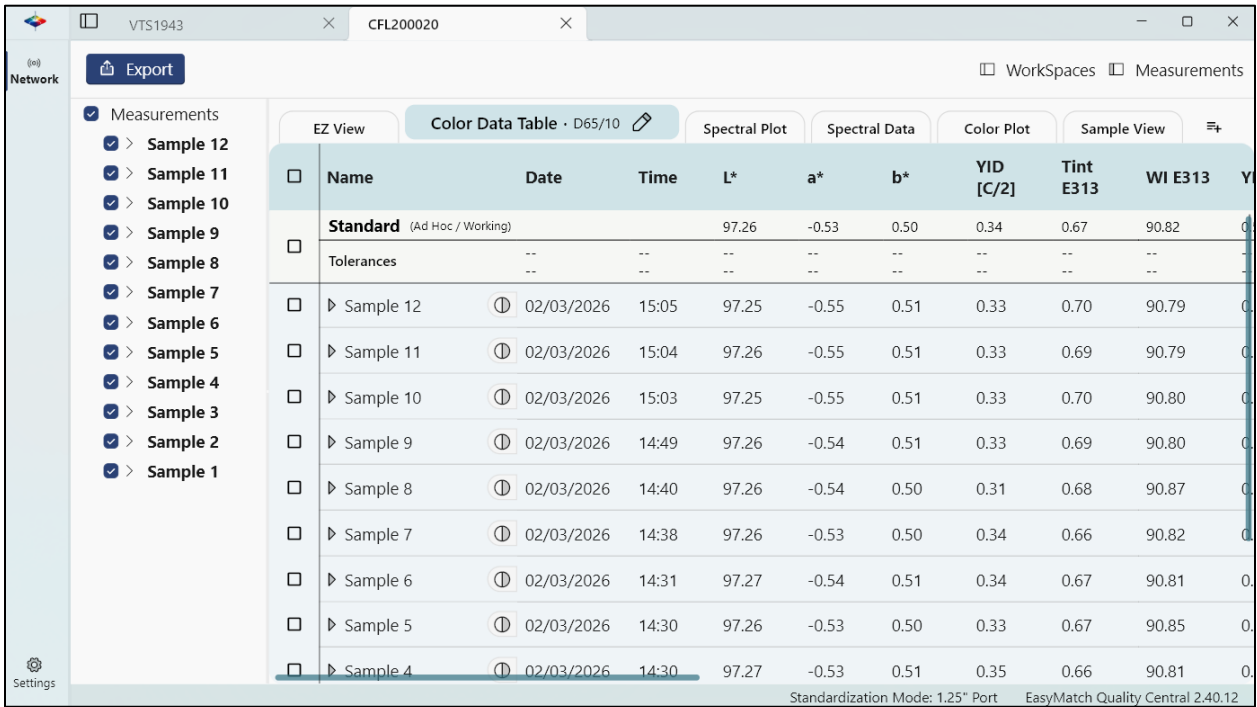


Figure 13. Color Data Table View

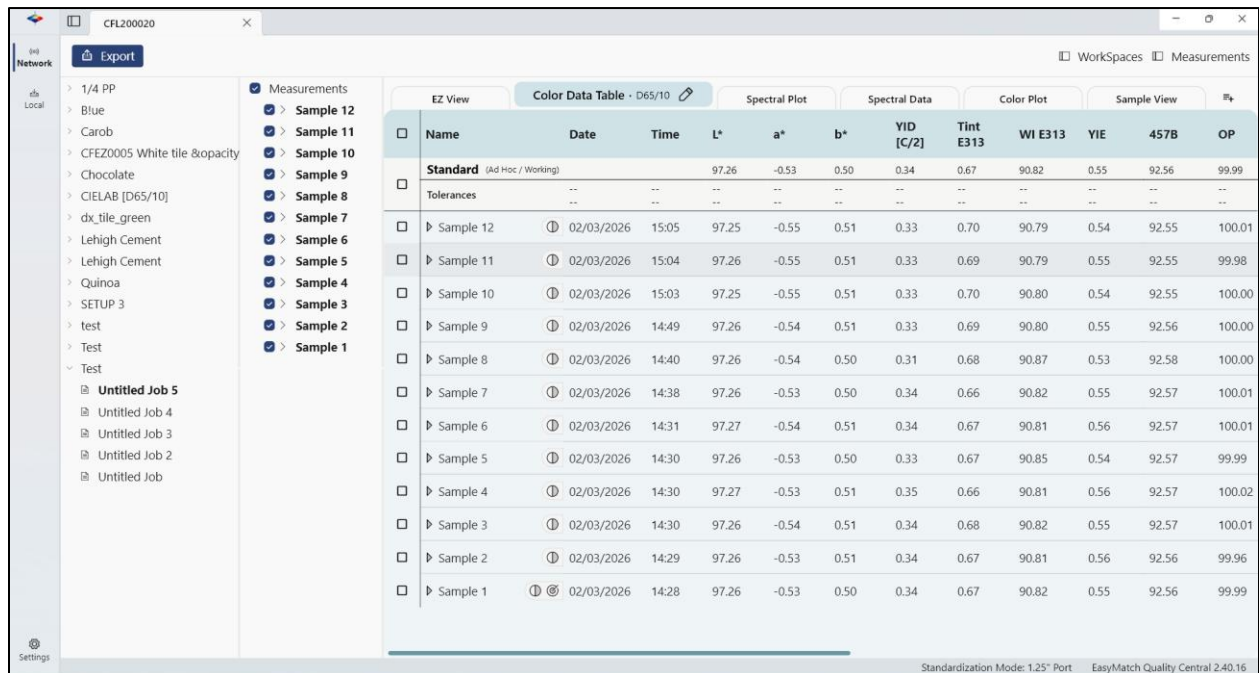


Figure 14. Measurement Data

## Viewing and Selecting Measurements

Select one or more measurements from the Measurement list to display data.

- Use **Ctrl** to select multiple individual measurements.
- Use **Ctrl + Shift** to select a range.
- Use the checkbox next to *Measurements* to select or deselect all.



## Data Output

### Copy and Paste

Measurement data shown in the Color Data Table or Spectra Data Table can be copied directly into a spreadsheet.

After selecting the desired measurements, right-click and choose **COPY** or **COPY WITH HEADER**. Standard keyboard shortcuts are supported.

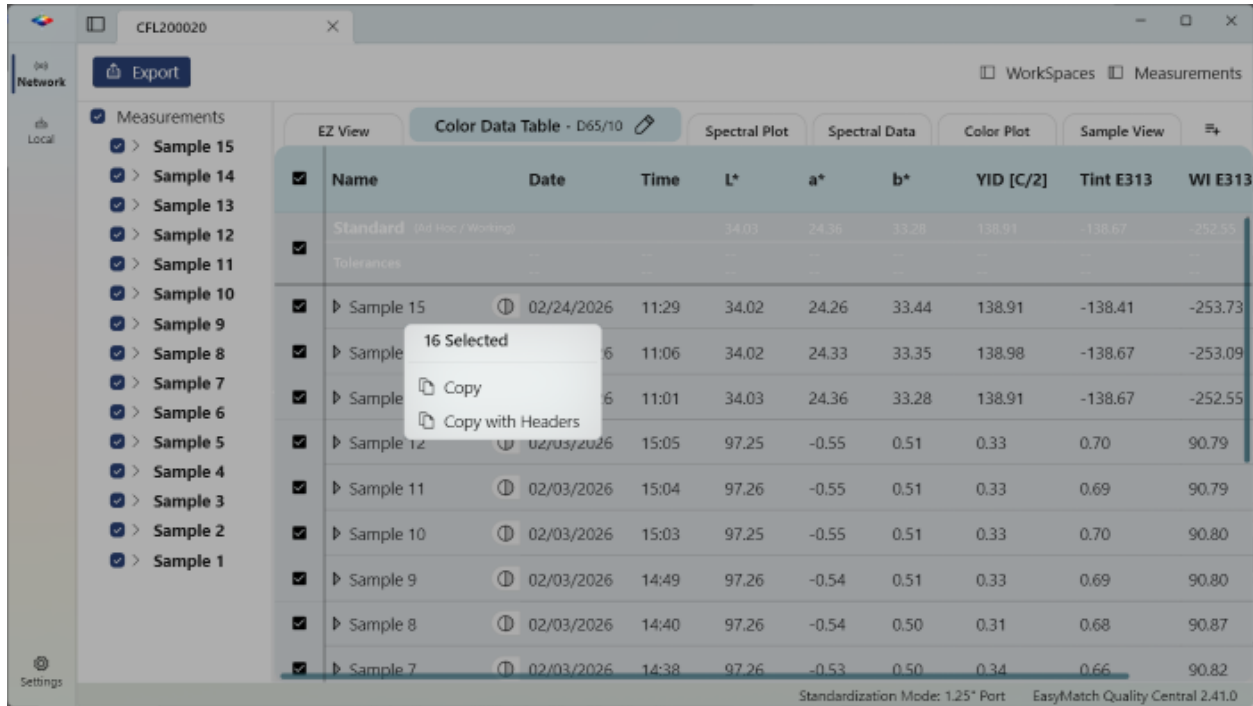


Figure 15. Copy

### Export Measurements

Measurements can be exported in a configured **.csv format** for each WorkSpace.

Open a Job within a WorkSpace, then click the **EXPORT** button to configure the export content. Drag the two-bar icon next to each field to reorder the fields in the export file.

Enter the file destination and click **SAVE** to export the .csv file.

The export configuration (except the file destination) is saved with the WorkSpace.

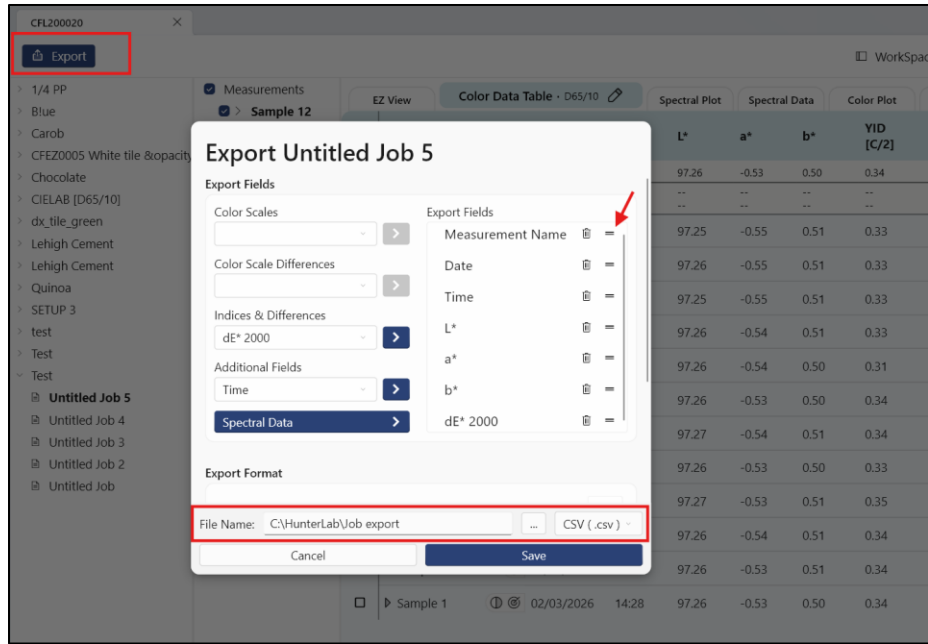


Figure 16. Export Job

## Automatic CSV Export (File Sync)

Quality Central allows measurement data to be exported automatically to CSV files via File Sync integration.

Quality Central can automatically export measurements to CSV files.

Enable **FILE SYNC** in each Workspace/Manage, then configure the destination folder and export rules under **SETTINGS > INTEGRATIONS**. Once enabled, CSV files update automatically when new measurements are taken. File Sync cannot be enabled on default WorkSpaces. A custom Workspace must be created first.

For detailed setup instructions, refer to the [Integration and File Sync](#).

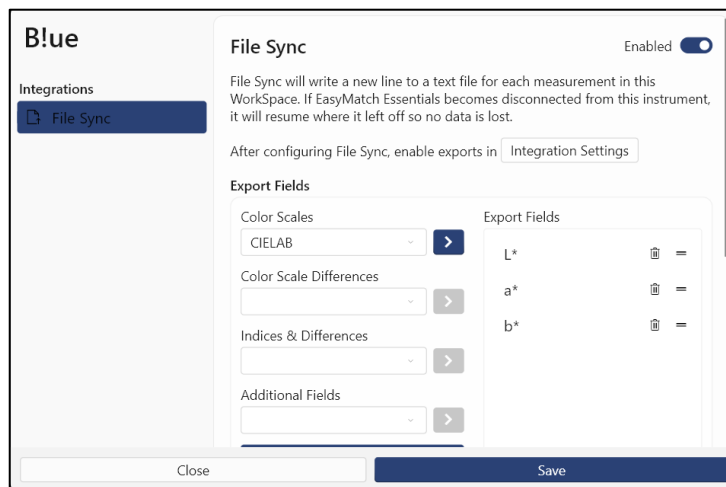


Figure 17. File Sync

## Instrument Settings

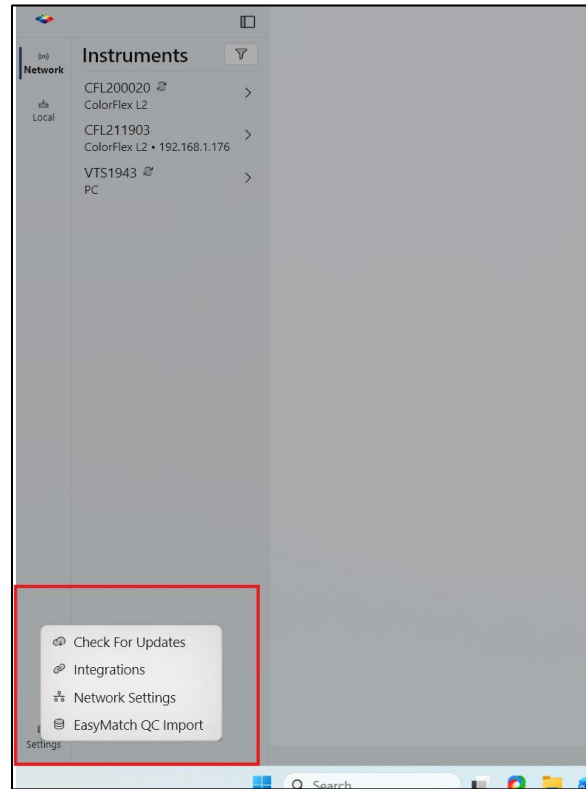


Figure 18. Instrument Settings

### Check for Updates

To manage Quality Central update settings, click the **SETTINGS GEAR** in the lower-left corner and select **CHECK FOR UPDATES**. An active internet connection on the PC is required.

To manually check for updates, click the Settings gear in the lower-left corner and select Check for Updates, then click Check Now. If an update is available, select View Update to begin the download.

When **Check for updates on launch** is checked, Quality Central automatically checks for updates each time the application launches and will notify you if a new version is available. We recommend using the latest available version.

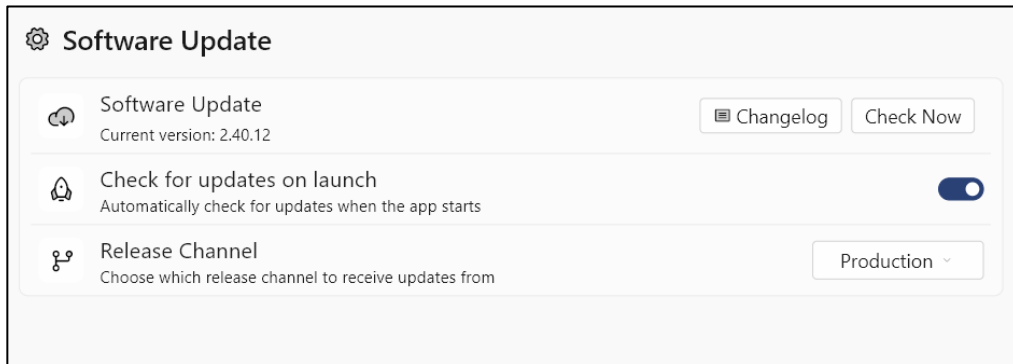


Figure 19. Software Update

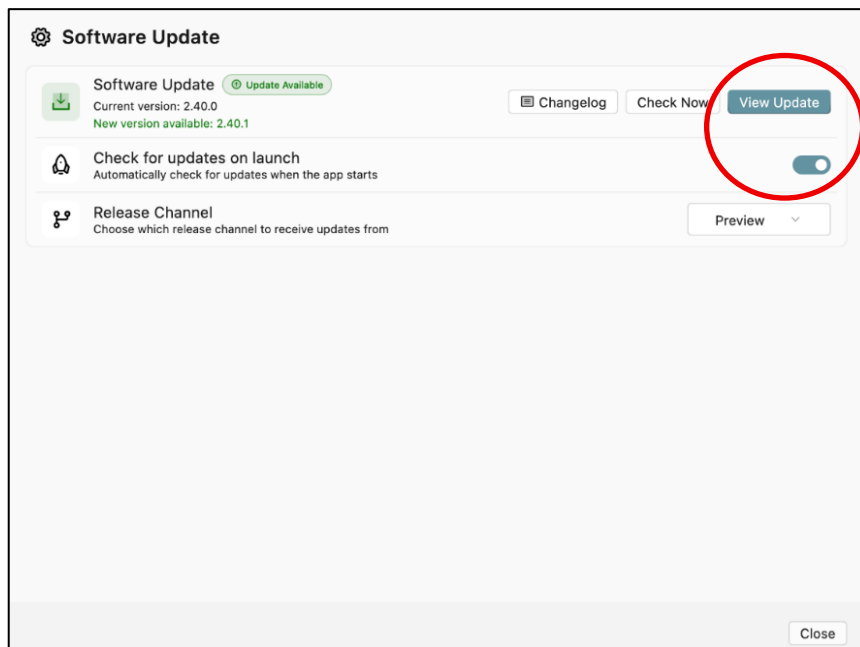


Figure 20. Check for Update

**Note: Downgrading between release channels may leave the application in an unstable state. A clean reinstall may be required. Switching between channels is not recommended.**

## EasyMatch QC Import

EasyMatch QC Jobs can be imported into the **LOCAL** category of EasyMatch Quality Central to preserve historical data. The **NETWORK** category is reserved for connected Essentials L2 built-in instruments.

To import EasyMatch QC (.jsd) files:

1. Go to **SETTINGS** → **EASYMATCHQC IMPORT**.
2. In the EasyMatch QC Importer dialog, click **SELECT** to choose one or multiple .jsd files.
3. Click **CONTINUE** to begin the import process.

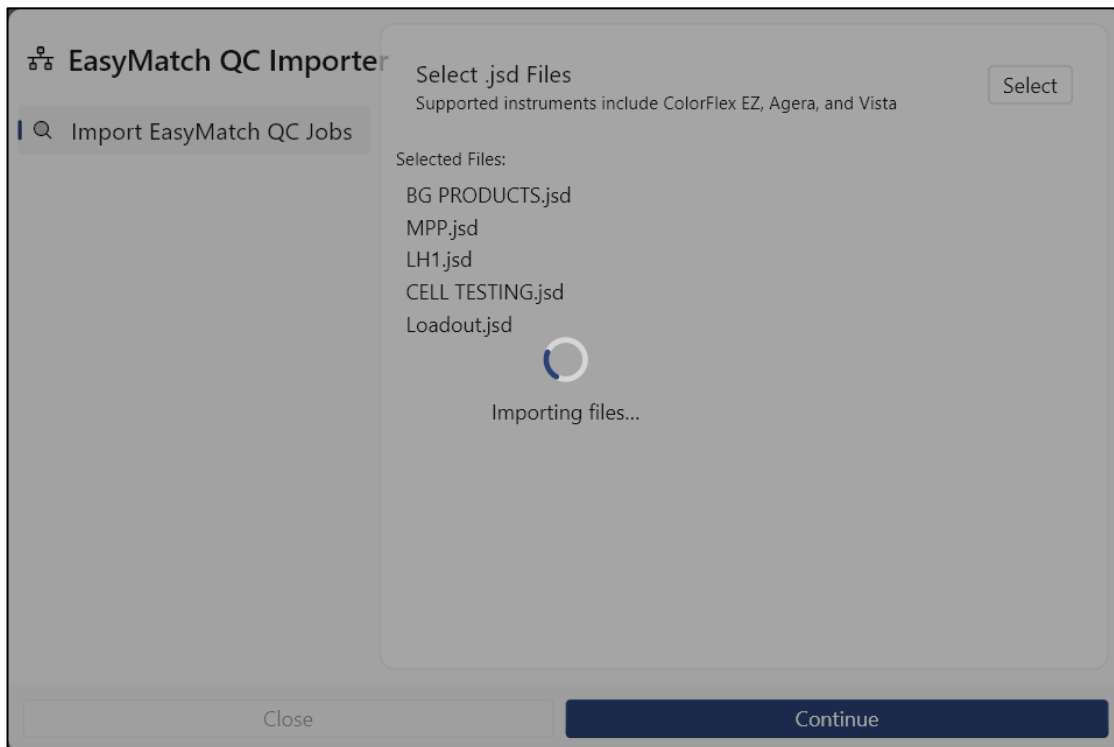


Figure 21. Select Instrument

Once the import is complete, Quality Central will return to the home screen. Restart Quality Central.

After restarting, select the **LOCAL** category (instead of Network) in the left panel. All imported EasyMatch QC Jobs will be displayed there.

## Viewing Imported EasyMatch QC Job Data

- Jobs are listed in Local drive list. Click a Job to view data in it.
- Standards from a EasyMatch QC Job will appear as **WorkSpaces** in the Workspace view.

- All samples associated with a Standard will be listed under that Workspace and labeled as **Placeholder**.
- Double-click a Placeholder to view the sample data in the Measurement view.

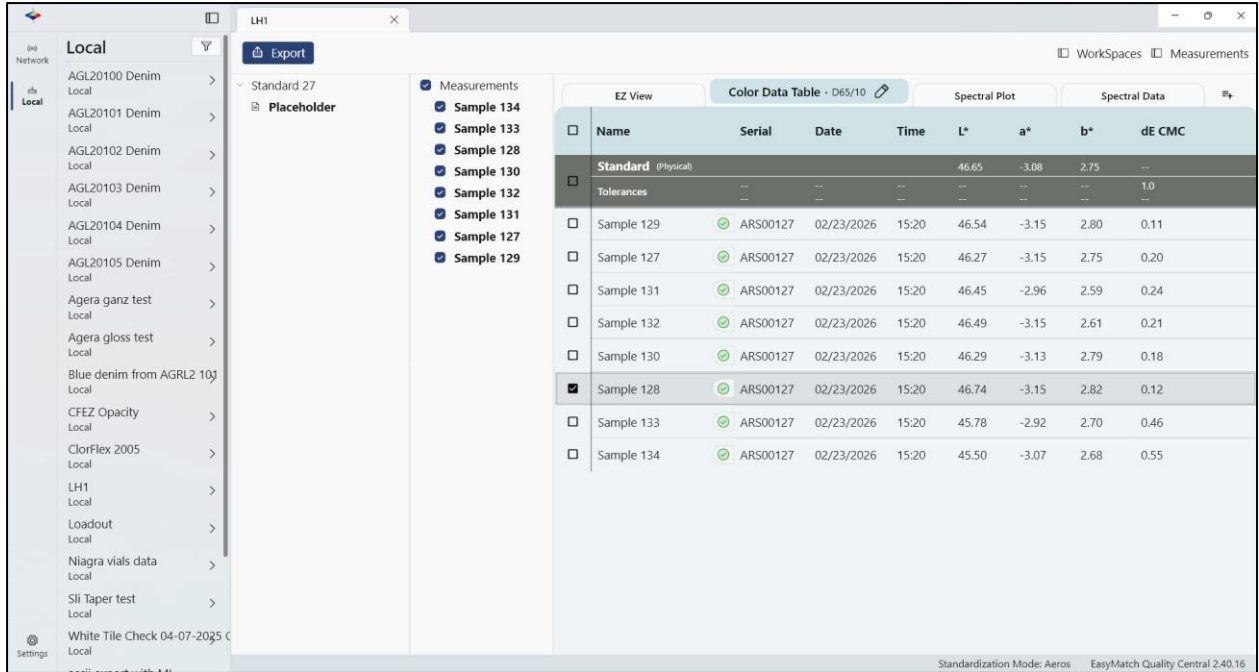


Figure 22. Imported EasyMatch QC Jobs

## Sending Imported EasyMatchQC Standards to Instruments

Standards imported from EasyMatch® QC can be pushed to Essentials L2 instruments as WorkSpaces for consistent setup across instruments.

To send a Workspace (Standard):

1. Right-click the Workspace (Standard).
2. Select **SEND TO INSTRUMENT**.
3. Choose a connected Essentials L2 instrument from the list. The selected Workspace will then be saved on the connected

## Integrations and File Sync

Quality Central allows measurement data to be exported automatically to CSV files via File Sync integration.

### Step 1: WorkSpace Configuration:

- Right-click a WorkSpace and select Manage.
- Configure export fields and formatting.
- Click Enable in the top-right corner to activate File Sync for the WorkSpace, then Save.

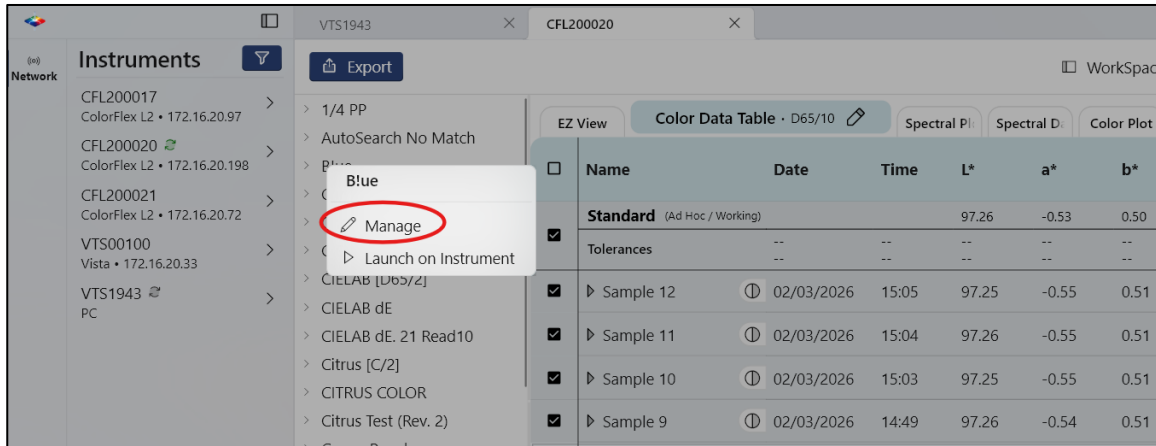


Figure 23. Manage Sync

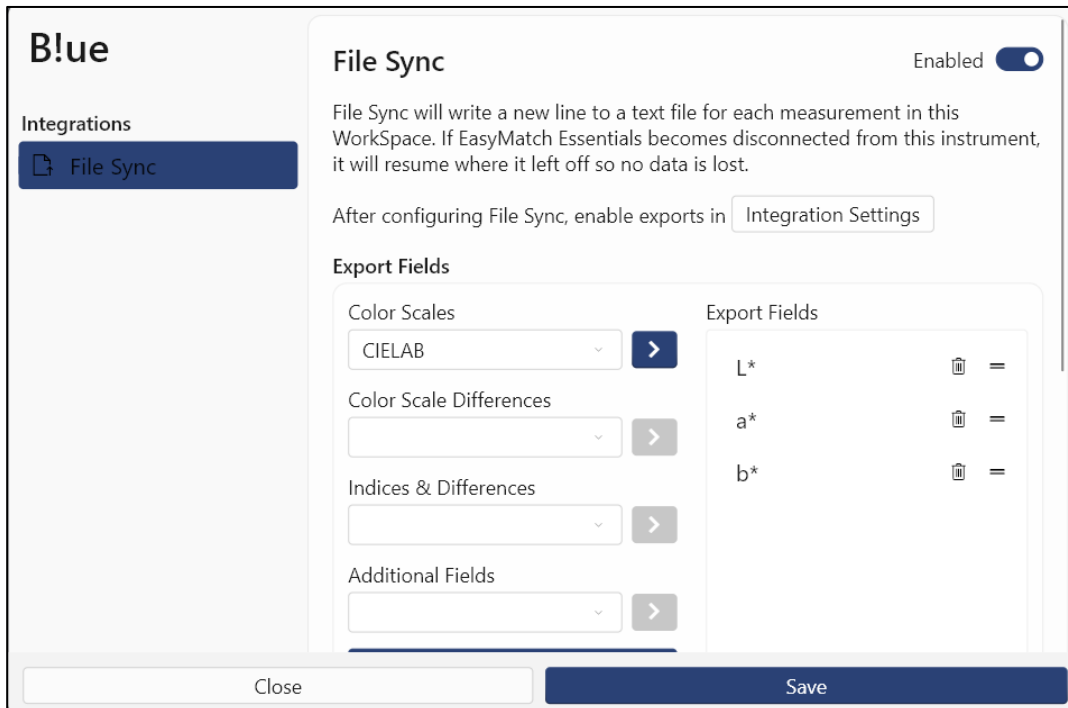


Figure 24. File Sync

**Step 2: Global File Sync Settings (Settings → Integrations):**

1. Click the settings gear and select **INTEGRATIONS**.
2. **ENABLE FILE SYNC** using the toggle in the top-right corner.
3. Specify the **DESTINATION FOLDER, JOB STRUCTURE**, and **EXPORT RULES**. Click **SAVE** to apply Settings.

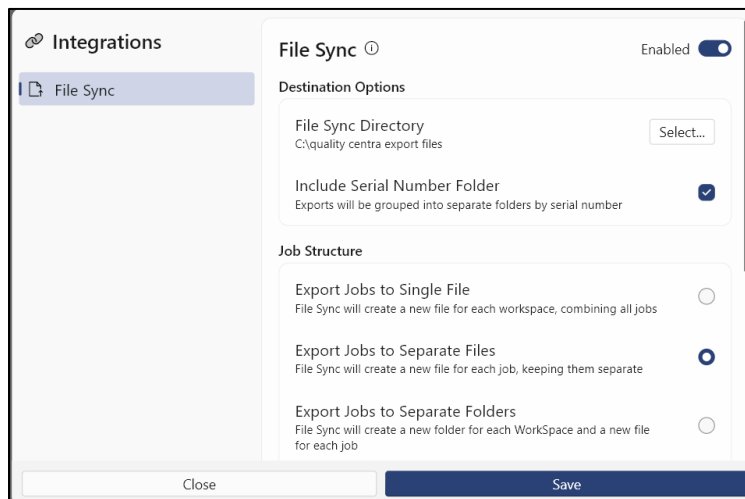


Figure 25. File Sync

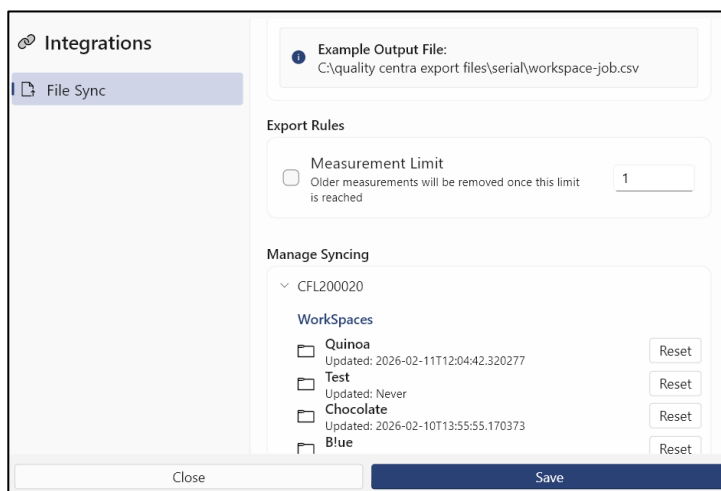


Figure 26. Integrations

**File Sync Directory and Job Structure** : CSV files are saved to the selected destination folder. Configure how data is organized, including grouping by instrument serial number and saving per Job, per WorkSpace, or as a single combined file.

**Measurement Limit:** New rows will be appended whenever a measurement is taken in the enabled WorkSpace. If maximum measurement limits are configured under Export Rules, the oldest data will be replaced by new measurements.

**Managing Sync:** All WorkSpaces with File Sync enabled are listed in Integrations. To restart syncing, delete the corresponding files in the configured folder, then click **RESET**.

**Notes: File Destination settings are controlled per Quality Central installation. Workspace export settings are controlled per instrument and shared across users. File Sync cannot be enabled on default WorkSpaces (CIELAB [D65/10] or HunterLab [C/2]). A custom Workspace must be created.**

## Network Configuration

To view advance networking options, click the settings gear, then select **NETWORK SETTINGS**.

Quality Central uses UDP Multicast to detect L2 instruments on all network interfaces of the PC that it's running on. This means only L2 instruments on the same subnet can be found by Quality Central. Depending on your network configuration, you may need to specify a custom broadcast address for the network that your instruments are on (and that your pc can still route traffic to). For instance, if you're connected over a VPN that assigns IP addresses in a different block but can still route traffic to the subnet that the devices are on.

Enable Custom Broadcast Address.

- Enter the broadcast IP address for the instrument network.
- Quality Central will use this address for instrument discovery.

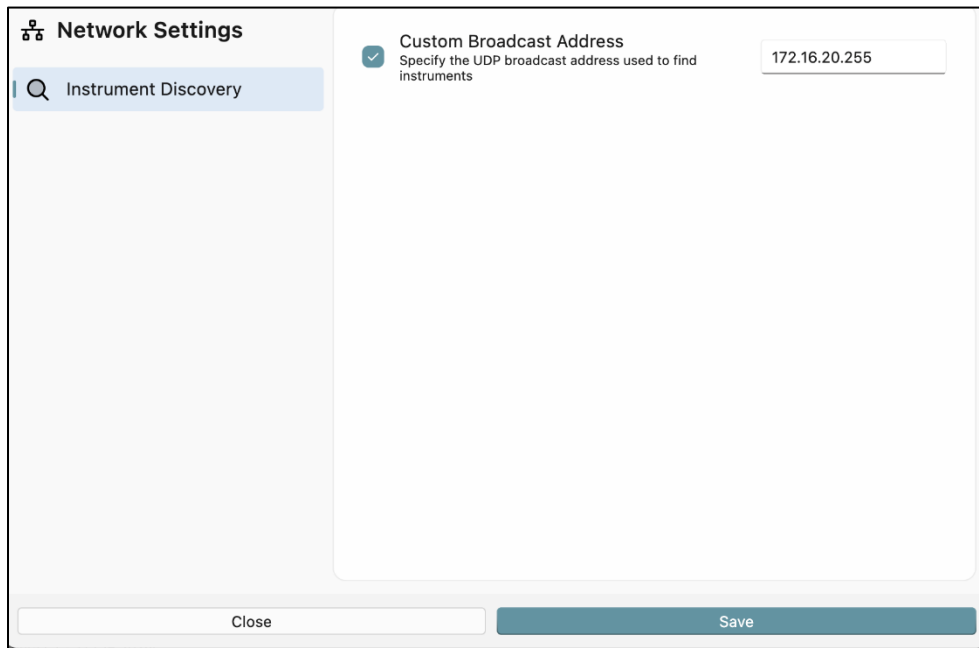


Figure 27. Network Settings

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