Bio-Rad Laboratories, Inc.

Release Notes for the ChemiDoc™ Go Imaging System with Image Lab Touch Software 4.1

September 2024

Contents

Introduction 1

Updating ChemiDoc Go Imaging Systems 3

ChemiDoc Go Imaging Systems Documentation 6

ChemiDoc Go Imaging Systems Additional Information 6

ChemiDoc Go Imaging Systems Fixed Defects 7

ChemiDoc Go Imaging Systems Known Issues 7

Contacting Technical Support 9

Introduction

The ChemiDoc Go Imaging System is the newest imaging system from Bio-Rad™. The ChemiDoc Go imaging system facilitates high sensitivity and high-quality image acquisition for selected gel and blot applications. The imager uses Image Lab Touch to control image capture and optimization. You interact with the imager using an integrated touch screen and a simple user interface. Using Image Lab Touch, you can acquire and view images and fine tune their appearance. You can then export images to a computer, or to Bio-Rad cloud application BR.io and access them from your computer, where you can analyze them with Image Lab desktop software.

The Bio-Rad imagers are compact gel/blot imaging instruments. These instruments automate the parameter selection for acquisition of high-quality and high-sensitivity gel and multichannel western blot images with the tap of an on-screen button. The ChemiDoc Go imager features trans-UV, trans-blue, and trans-white as well as epi-UV and epi-white excitation sources for detection of a large range of fluorophores and dyes.

Using the ChemiDoc Go Imaging System, you can acquire data from 1–3 channels in a multichannel image, including fluorescence, chemiluminescence, and colorimetric applications.

Main Features

The main features of the ChemiDoc Go Imaging System include:

- Support for colorimetric western blotting applications, chemiluminescent imaging, and DNA/protein gel visualization
- Multiplex fluorescent western blotting applications (StarBright 520 and StarBright 700 dyes)
- Smart, tray-based imaging that identifies the correct applications and presents appropriate filter and illumination sources for each
- Dynamic flat fielding specific to each application
- Dynamic range of >4.0 orders of magnitude
- Connectivity to your company's Internet via Wi-Fi
- Ability to automatically upload images to a location on your company's Internet designated by your Image Lab Touch Admin
- Ability to automatically upload images to your BR.io account
- Ability to print images to a Sony 898 printer that is connected to your imager
- Connectivity to Bio-Rad's BR.io app to store images created on ChemiDoc Go imaging systems

  Using the BR.io app, you can upload images from the ChemiDoc Go imaging system, download them to your desktop computer, and print them to a local printer.

  For more information about Bio-Rad's BR.io app, go to BR.io. From the BR.io Home page, you can

  - Create a BR.io account
  - Explore the BR.io app via video
  - Access helpful BR.io user assistance pages
- When connected to the Internet, ChemiDoc Go imaging systems can download updates from the ChemiDoc Go Imaging System product page on bio-rad.com
- USB drive compatibility provides an optional medium for image transfer and storage

Updating ChemiDoc Go Imaging Systems

Note: If an Admin user exists on the ChemiDoc Go imager, only that user can perform the update. If no Admin user exists, any user can update the system.

You access the updates from the ChemiDoc Go product page on bio-rad.com. The update installer for ChemiDoc Go imagers can include software, firmware, and operating system updates. Firmware updates for ChemiDoc Go imagers are not distributed in a separate package.

Bio-Rad offers two methods to access and install updates for ChemiDoc Go imagers:

- When connected to the Internet, the imager can detect and download updates from the ChemiDoc Go product page on bio-rad.com
- Manually locate and download the updates from the ChemiDoc Go product page on bio-rad.com to a USB drive

This section explains how to perform an upgrading using both methods. Though optional, this section also explains how to verify the currently installed software and firmware versions.

Important: Depending on the type of update, the update process can take several minutes.

Verifying the Current Software and Firmware Versions

Tip: This section is optional. The update installer checks the current software version and displays the information before continuing the process.

To verify the currently installed version

1. Log on to the ChemiDoc Go imager and then tap System Settings on the main toolbar.
2. Tap About This Imager to display the instrument's information screen.
3. Note the currently installed software version.
4. Tap X to close the system information screen.

Updating the Software and Firmware via the Internet

Note: Before starting the update process, ensure that no image acquisitions or exports are in progress.

To update the software and firmware via the Internet

1. (Optional) Confirm that the ChemDoc Go imager has a network connection:
    a. If you have not yet done so, log on to the imager and then tap System Settings on the main toolbar.
    b. Tap About this Imager.
    c. On the About screen, verify that the Network Connections field lists at least one network connection.
    d. Close the About screen.
2. On the main toolbar, open System Settings and then tap Update Installation.

    The system displays a dialog prompting you to check for an update.

    Tip: If you have never checked for updates, Last checked displays Never.
3. Tap Check.

    The system checks online for an update.
4. If no update is detected, the system displays a dialog indicating the system is up to date. Tap OK to clear the dialog.
5. If an update is detected, the system displays a dialog prompting you to download the update package.
6. Tap Download.

    The system displays a progress bar while the download is in progress.
7. (Optional) Tap Cancel to cancel the process.

Tip: You can restart the download process at any time by performing these steps again.

After the download process completes, the system displays a dialog indicating the current version of the software, the update version, and prompts you to proceed with the update.

8. Tap OK to proceed with the update.
9. To complete the installation, follow the instructions that appear on the touch screen.

Important: Do not interrupt the installation process or turn off the imager while the update is in progress.

Updating the Software and Firmware via USB Drive

Note: Before the installation begins, the system detects the ImageLabTouchSoftware.swu file on the USB drive and displays a message indicating that an update is in preparation. Do not remove the USB drive until the procedure completes.

Important: The Image Lab Touch update from version 4.0 to version 4.1 displays a message indicating that a previous version of the software exists and displays the current and update versions correctly. However, the message confirms that you want to *revert* to the previous version of Image Lab Touch, which in **incorrect**. The installation procedure *updates* the software to the correct version.

To update the software and firmware via USB drive

1. Obtain a USB drive and insert it into a USB port on a computer that is connected to the Internet.

   Tip: Bio-Rad recommends you use an exFAT or FAT32-formatted drive.

2. Log in to bio-rad.com and navigate to the ChemiDoc Go web page.

3. Scroll down to Download and download the ImageLabTouchSoftware.swu file to the root directory of the USB drive.

4. Safely remove the USB drive from the computer.

5. If you have not done so yet, log on to the ChemiDoc Go imager.

6. Ensure that no image acquisitions or exports are in progress.

7. Insert the USB drive into the USB port on the imager's front panel.

8. If the software version on the USB drive is higher than the software on the instrument, a dialog appears prompting you that an older version has been detected on the instrument.

   Important: The message indicates that a previous version of the software exists and displays the current and update versions correctly. However, the message confirms that you want to *revert* to the previous version of Image Lab Touch, which in **incorrect**. The installation procedure *updates* the software to the correct version.

   Tap OK to proceed with the update.

9. To complete the installation, follow the instructions that appear on the touch screen.

   Important: Do not interrupt the installation process or turn off the imager while the update is in progress.

10. When the installation completes, you can safely remove the USB drive.

ChemiDoc Go Imaging Systems Documentation

Bio-Rad's ChemiDoc Go Imaging Systems web site provides access to:

- ChemiDoc Go Imaging Systems with Image Lab Touch Software Release Notes (this document)
- ChemiDoc Go Imaging Systems with Image Lab Touch Software Instrument Guide
- ChemiDoc Go Imaging Systems Safety and Regulatory Compliance Guide

Additionally, the ChemiDoc Go Imaging Systems provide context-sensitive help for immediate assistance while using the Image Lab Touch software on the imaging system.

Important: ChemiDoc Go Imaging Systems with Image Lab Touch Software Instrument Guide provides specific information about installing, setting up, and using the imaging system.

To access ChemiDoc Go Imaging Systems with Image Lab Touch Software documentation

1. In a web browser, log in to Bio-Rad.com and navigate to bio-rad.com/ChemiDocGo.
2. Scroll to the Documents section and select the PDF icon for document of choice.

   The PDF opens in your web browser. You can then download the document to your computer.

ChemiDoc Go Imaging Systems Additional Information

Cybersecurity and ChemiDoc Go Imaging Systems

Important: Cybersecurity is the protection of assets in cyberspace from cyberattacks. Cybersecurity is Bio-Rad's ability to secure its people, information, systems, and reputation in cyberspace. Cyberspace is the always-on, technologically interconnected world; it consists of people, organizations, information, and technology.

Fast reaction is important with cybersecurity issues! If you suspect that there may be a cybersecurity issue concerning your instrument or that cybersecurity has been breached at your site, contact your Bio-Rad representative for technical support immediately.

ChemiDoc Go Imaging Systems Fixed Defects

Version 4.1 of the ChemiDoc Go Imaging System includes the following defect fix.

Some ChemiDoc Go Imaging Systems running Image Lab Touch 4.0 software incorrectly displays only 5 GB of free disk space after the initial operating system installation

- When the operating system on some ChemiDoc Go imaging systems running Image Lab Touch 4.0 software was initially installed, the software incorrectly displays 5 GB of free disk space rather than ~233 GB as expected.

  The Image Lab Touch 4.1 upgrade includes a fix for this issue.

ChemiDoc Go Imaging Systems Known Issues

Free-hand keyboard functionality not working as expected when language is changed to Chinese

- The free-hand keyboard functionality displays characters in ASCII format when the language is changed to Chinese instead of Chinese characters.

  Workaround: Use the on-screen keyboard to enter text when the selected language is Chinese.

Misleading error message appears when the system fails to connect to BR.io because the time is incorrectly set

- When the system fails to connect to BR.io because the time and time zone settings do not correspond, the error message that appears instructs the user to check the network connection.

  Workaround: If the network is connected, check the time and time zone settings. Ensure that the system time corresponds with the selected time zone. Contact Bio-Rad Technical Support if the issue continues.

Accessing a shared folder on a computer that is connected to the ChemiDoc Go imaging system can fail if the hostname includes uppercase letters

- When the system is connected directly to a PC or MAC computer and the user types the hostname of the computer with uppercase letters (for example IL-AUTO-MAC1012-01\shareFolder), the system fails to connect to the shared folder.

  Workaround: Use the IP address of the computer as the hostname to ensure a successful connection.

Changing system sound volume or entering text using the on-screen keyboard does not produce audible feedback

- When increasing or decreasing the system volume, or using the on-screen keyboard to enter text, the system does not produce audible feedback. There is no workaround for this issue.

  Note: The system *does* produce audible feedback when image acquisition completes .

Contacting Technical Support

Bio-Rad Technical Support in the United States is open Monday–Friday, 5:00 AM to 5:00 PM, Pacific time.

Phone: 1-800-424-6723, option 2
E-mail: Support@bio-rad.com (U.S./Canada Only)
For technical assistance outside the U.S. and Canada, contact your local technical support office or click the Contact us link at bio-rad.com.

BIO-RAD and CHEMIDOC are trademarks of Bio-Rad Laboratories, Inc.

All trademarks used herein are the property of their respective owner.

Copyright © 2024, Bio-Rad Laboratories, Inc. All Rights Reserved.