Getting Started with the GelDoc Go Imaging System
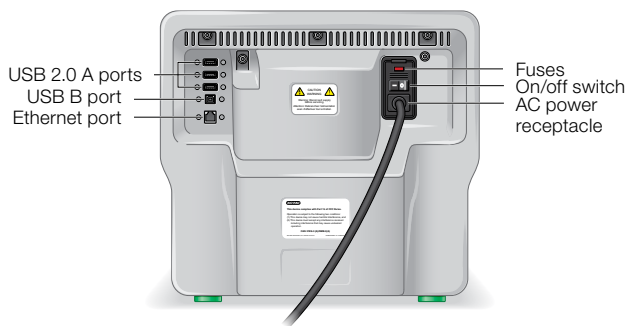Quick Guide

Set Up the Environment

The imaging system requires a space 38 x 37 x 46 cm (W x H x D) and a clearance of at least 8 cm from the back for instrument ventilation and for accessing the AC power cord. The imager should be placed on a sturdy and level laboratory bench or table away from excessive heat and moisture. The imager's operating temperature range is 10–28°C. The imager contains a universal power supply that supports a voltage range of 100–240 VAC.

Set Up the Imager

The imager ships with a power cable that works with AC 115/240 VAC outlets. The female end of the cable fits in the power receptacle located at the back of the imager.
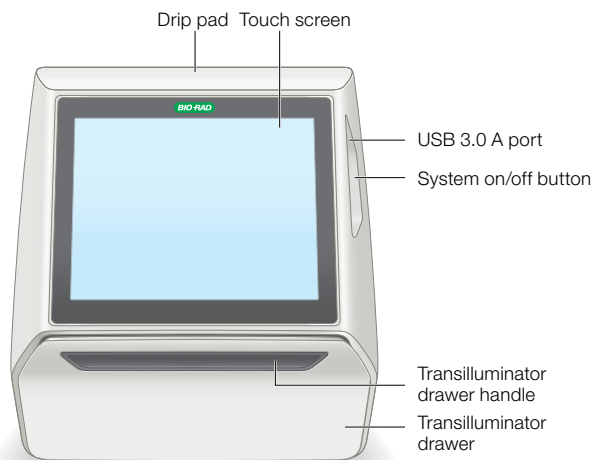
1. Locate the AC power receptacle on the back of your imager and connect the power cable to it. Plug the other end of the power cable into an AC outlet and turn the power switch to the **on** position.

USB 2.0 A ports
USB B port
Ethernet port

Fuses
On/off switch
AC power receptacle

2. For network access, connect an Ethernet LAN network cable to the Ethernet port on the back of the imager. Connect the other end of the cable to an Ethernet network port.
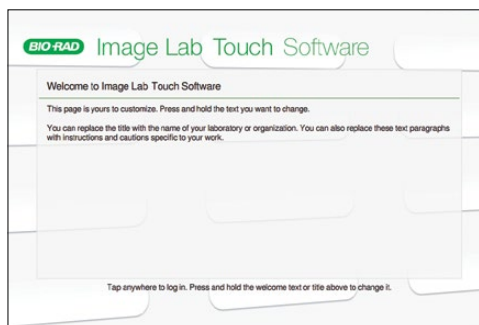
Note: When you save an image, you can specify the path to the network folder in which you want to save your image files. You can save multiple path names. Each saved path name appears in the dropdown list of destinations when you tap **Save to Network**.

3. On the front of the imager press the system on/off button to turn on the imager. Turning on the imager initializes the camera, computer, and Image Lab Touch Software.

Drip pad   Touch screen

BIO-RAD

USB 3.0 A port
System on/off button

Transilluminator drawer handle
Transilluminator drawer

First Time Login

When the imaging system is turned on, Image Lab Touch Software starts and the Welcome screen appears.

BIO-RAD Image Lab Touch Software

Welcome to Image Lab Touch Software

This page is yours to customize. Press and hold the text you want to change.

You can replace the title with the name of your laboratory or organization. You can also replace these text paragraphs with instructions and cautions specific to your work.

Tap anywhere to log in. Press and hold the welcome text or title above to change it.

BIO-RAD

1. Tap anywhere on the touch screen.

2. Using the onscreen keyboard, tap in a user name and then tap **Create**.

   The system prompts you to choose whether you want to be an administrator and displays information that helps you decide.

   Note: An administrator must log in with a password. If no administrator has been specified, users can log in without a password.

3. If you do not want to be an administrator, tap **No**.

4. To become an administrator, tap **Yes** and create a password in the box that appears.

   The Administrator Options dialog box appears, in which you can choose options for managing Image Lab Touch user accounts.

5. Choose the options you want and tap **Close**.

   A Camera view of the imaging stage appears.

Check the Imager Setup

Check to ensure the following:

- The imager has been placed on a laboratory work bench surrounded by the required amount of space
- The imager is turned on
- Camera view is visible

Level the Imager

Is the imager level? In order to work properly, the imager must be situated on a level surface such as a laboratory work table. If the imaging bed in the imager is not level, samples — especially gel samples — might move during imaging.

To check whether the imager is level:

1. Locate the bubble level in the Imager Accessory Kit.

2. Pull the transilluminator drawer door to open.

3. Place a sample imaging tray on the imaging stage.

4. Place the bubble level at the approximate center of the sample tray.

5. If the entire bubble is visible inside the level's center ring, the imager is level and no adjustments are necessary.

Bubble level

6. If the entire bubble is not visible inside the level's center ring, adjust the level by rotating the leveling feet of the instrument to raise or lower it until the bubble appears at the center of the level.

7. Check whether the entire bubble is visible inside the level's center ring.

8. When the entire bubble is visible inside the center ring, remove the level from the sample tray.

Set Up the Printer

An optional Mitsubishi Thermal Printer (catalog #1708089) can be used with the imaging system.

To set up the printer:

1. Connect the printer's power cord to an electrical outlet.

2. Connect one end of the USB cable to the USB port on the back of the printer.

3. Connect the other end of the USB cable to one of the USB ports on the back of the imager.

⚠️ **Warning:** Transilluminators are powerful sources of UV radiation, which can cause serious damage to unprotected eyes and skin. The accessory UV Shield (#12012164) provides some UV protection. However, the shield does not protect others standing in the area around the imager. In this configuration, the system is rated as Risk Group 3 (most hazardous) for actinic UV (200–400 nm) per IEC 62471:2009 "Photobiological safety of lamps and lamp systems." When viewing around the UV shield at a distance of 20 cm, the measured actinic UV emission is approximately 4 W/m^2, with a permissible exposure time of about 7 seconds.

Image Analysis Software

Images acquired on the GelDoc Go Imaging System can be analyzed for lanes/bands and volume quantification using Image Lab Software.

Licenses and upgrades for the Image Lab Software (available for Windows and Mac operating systems) are included in the purchase price of the instrument. Registered users can log in to their account or register as new users to download a free copy of Image Lab from the Bio-Rad website. Image Lab Software is also available for purchase on a USB drive. Visit bio-rad.com/imagelab to learn more about the Image Lab family of software.

Find Out More

Visit bio-rad.com/geldocgo to learn more about the instrument and to download the full version of the user guide.

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