G:BOX F3 Installation - Quick Guide

System components:
1. Darkroom with epi white lighting (factory fitted)
2. Camera with lens, close-up lens and UV filter (factory fitted)
3. UV transilluminator
4. Syngene branded flash drive containing software installers
5. USB to serial/COM port converter
6. All required cables

CAUTION: Do not connect power supply to any of the components until you are instructed to below. For assistance please contact your supplier or Syngene directly.

Darkroom set-up
1. Connect power cable to the back of the darkroom.

Camera set-up
1. Place the camera (first remove lens cap if fitted, pull off the lens cap, DO NOT screw off or you will remove filters) on top of the darkroom with the bracket facing the rear (Figure 1).

USB Cable

Figure 1

2. Connect lens cable to the back of the darkroom (port labelled 'Lens') (Figure 2).

3. Attach the USB cable to the camera.
4. DO NOT attach the free end of the USB cable to the USB 2 port on the PC until GeneSys software has been installed.
5. Place the hood over the camera (Figure 3).

Lens port

Figure 2

Figure 3

Darkroom lighting
1. Turn on darkroom (switch at rear of G:BOX).
2. With the darkroom door open slide the transilluminator between the runners located on each side.
3. Connect the flying mains lead in the darkroom into the input socket on the rear of the transilluminator. Make sure it is turned on.

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Fitting the white light panel option

1. If White Light Panel option has been purchased, the white light stage is factory fitted on hinges at the rear of the G:BOX unit.
2. Fold the white light stage down, so that it rests on top of the transilluminator.
3. The stage is fitted with adhesive strips, on to which the panel is mounted. Peel off the film from the adhesive strips and attach the panel to them, the rubber feet on the panel locate into holes in the stage.
4. Insert the panel power lead into the power inlet on the panel.

PC set-up (Syngene supplied PC)

If you purchased a pre-configured PC from Syngene then please perform the following 4 steps:

1. Connect the monitor, keyboard and mouse to the appropriate ports of the PC.
2. Connect the G:BOX camera's USB cable to a USB port on the PC.
3. Locate the serial cable. Plug one end of the cable into the USB-to-Serial adapter, and then plug the adapter into a USB port on the PC. The other end of the serial cable should be plugged into the port labelled 'Darkroom' on the rear of the Syngene system.
4. Connect the electrical power leads to the PC and monitor and then power on the PC.

Note: You have now completed the system set-up. You should skip the remaining instructions as they do not apply to your set up.

PC set up (Your own PC)

If you did not purchase a pre-configured PC from Syngene then please perform the following steps to set up your PC (You may require Administrator rights to install software):

Installing GeneSys software and the camera calibration file

1. Plug the Syngene branded flash drive into your PC.
2. Navigate to the 'GeneSys' folder on the flash drive and run the 'setup' file. Follow the on-screen instructions and only proceed onto the next step when you have successfully finished the GeneSys installation.

3. Having completed the GeneSys installation connect the G:BOX's USB cable to a USB port on the PC. The camera drivers should be automatically loaded. If a warning appears about the drivers being unsigned or unverified then choose to proceed with the installation.

4. Locate the serial cable. Plug one end of the cable into the USB-to-serial adapter and then plug the adapter into a USB port on your PC. The other end of the serial cable should be plugged into the port labelled 'Darkroom' on the rear of the Syngene system.

5. Plug the Syngene branded flash drive into the PC you wish to install GeneTools on . Navigate to the 'GeneTools' folder on the flash drive and run the 'installGeneTools' program.

6. Follow the on-screen instructions to install GeneTools software.

When using GeneSys software for the first time or when you have purchased additional accessories, (e.g. converter screens), you need to programme lighting, filters and accessories into GeneSys software.

1. From the Home page select 'View available hardware icon'.
2. To enter this information simply press or click the appropriate buttons to select the hardware that you have with your system. Selected items will turn red.
3. Ensure that you click 'Save'.

Select regional power frequency

1. From the Home page screen select the 'Preferences icon'.

2. To enter this information simply select 50 or 60Hz.

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