

G:BOX 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. GeneSnap and GeneTools software
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 satisfied that everything is connected correctly. For assistance please contact your supplier or Syngene directly

Filter slider in the darkroom (if purchased)

■ Installation

1. The filter slider fits to the roof of the darkroom below the camera position. Open the darkroom door and inside you will find a clip present on the right hand side (below the camera position) - move this clip to the back of the darkroom
2. On the underside of the slider there are three notches; hold the slider so that the notches are closest to you. Place the slider onto the runners from the right and move to the left
3. Pull the clip forward to secure the slider in place
4. Filter positions are:- left blank, middle EtBr/UV and right blank/custom. Any filters purchased with the unit will have been fitted for you

Darkroom lighting

If you have a XT or XL G:BOX system complete step 1 (if not continue to step 2)

1. Open the darkroom door and place a small object against the micro-switch which can be found at the rear of the sample tray, then push the top sample tray button at the same time as pressing the black button positioned 5cms below the round shiny door magnet, to raise the stage so that the transilluminator can be installed
2. With the darkroom door open slide the transilluminator between the runners located on each side. **N.B.** With a XT/XL G:BOX system, when the transilluminator is installed the micro-switch will be directly behind it. Make sure that the power cable is plugged in and the transilluminator is turned on. The stage cable needs to be plugged in at the back
3. Connect the flying mains lead in the darkroom into the input socket on the rear of the transilluminator. Make sure the power button on the front of transilluminator is turned on and the power switch is set to 100 percent

Camera

If you have a XT or XL G:BOX system complete steps 1 -2. Then continue to step 6

1. Require bellows to be connected to complete the light tight seal. To do this pull the gold coloured spring clip on the bellows unit towards you and angle the bellows so that they connect all round the base of lens. Release the spring clip to secure
2. Connect the camera power cable (15-way D-type connector) to the back of the darkroom (port labelled 'camera')

To install all other Cameras complete steps 3-10.

3. Connect the camera power cable (9-way D-type connector) to the back of the darkroom (port labelled 'camera')
4. Thread the cable from the back of the darkroom through the hole and up through the hole where the camera will be positioned
5. 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 and connect the camera power cable (the DC power end) to the camera

If a motorised lens has been purchased (complete step 6, if not continue to step 7)

N.B. With XT and XL cameras do not tread cables through the camera cable hole.

6. Thread the camera lens cable through the same two holes as the camera power cable, connecting to the back of the darkroom (port labelled 'Lens')
7. Using screws and shakeproof washers attach the camera to the top of the darkroom
8. Attach the USB cable to the camera and thread cable through the same two holes as the camera power and lens cables
9. DO NOT attach the free end of the USB cable to USB 2 port on the PC until the GeneSnap/camera drivers have been installed
10. Place the hood on top of the darkroom to cover the camera and lens assembly

■ PC set-up

1. Set up the PC by attaching the monitor, keyboard and mouse into the appropriately labelled ports
2. Connect electrical power leads to each component. Turn on the PC (if you purchased the PC directly from Syngene then all the following software steps below will have been done for you. You will however have to accept the Windows operating licence and plug in the camera and serial cable)
3. Install the GeneSnap software following the instructions on screen (also refer to the hardware installation guide). Once installed then plug in the camera to a high speed USB 2 port on the PC, this will install the camera drivers
4. Connect the serial cable from the labelled port in the rear of the darkroom ('Darkroom/PC') directly to the serial port on the PC. If there is no serial port on the PC then use the supplied adapter and follow the instructions below

If you are using a serial converter then the following will occur:

5. Windows XP: In the welcome Found New Hardware Wizard dialog choose "No not this time" and Click "Next"; then choose "Install software automatically" then click "Finish"
6. Windows Vista: In the first dialog click on "Locate and install driver software". In the User Account Control dialog click on "Continue" then click "Yes, always search online". Then click "Next" until you reach window entitled "Windows cannot verify the publisher of this driver software" Click "Next" to install correct driver software

Installing GeneTools software

7. If the CD does not auto-run then using Windows Explorer locate the InstallGeneTools.exe file on the CD
8. For hardware or network licensing you will have been supplied with a hardware key. For software licensing, each PC will need a media key (found on the CD insert)

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