

Start Up

1. Install the lamp module (see side 2).
2. Install the light guide (see below).
3. Plug the unit into a properly grounded AC outlet.
4. Turn on the Power switch at the front of the unit.
5. The lamp will automatically strike when power is turned on to the unit. The **LAMP** indicator will be illuminated.
6. Allow the lamp to warm up (approximately 90 seconds). During the warm up period the LED display and indicators will flash.

Installing the Light Guide

1. Remove the protective end caps from the light guide
2. Insert the light guide into the light guide port on the rear panel until it seats with a positive click.
3. Insert the light emitting end of the light guide into the collimating adapter after it has been installed on the microscope.

Setting the Display Mode

The X-Cite 120 PC will display 3 modes: Timer Mode, Intensity Mode and Lamp Hour Mode.

1. When the display is in **Timer Mode**, the four digits are displayed with the "." (decimal) located to the left of the furthest right digit. The number shown will indicate the exposure time in seconds and tenth of seconds (**XXX.X**).
2. When the display is in **Intensity Mode**, only three (3) digits are displayed (**XXX**). The three digit number shown will indicate the setting in percentage.
3. When the display is in **Lamp Hour Mode**, the four digits are displayed with the flashing "." (decimal) located to the right of the furthest right digit. This shows the accumulated number of hours the lamp has been on. (**XXXX.**)
4. Press the front panel **MODE** button to cycle through the display modes.

Setting the Exposure Time

1. Set the system to Timer Mode (XXX.X) by pressing the Mode button.
2. Press the UP or DOWN button to increase or decrease the exposure time by 1/10 sec.
3. For coarse adjustments, press and hold the UP or DOWN button to rapidly increase or decrease the exposure time.

Setting the Intensity Level

1. Set your X-Cite 120 PC to Intensity Mode (XXX) by pressing the Mode button.
2. Press the **UP** or **DOWN** button to increase or decrease the light output. The % of iris opening displayed will vary between 0, 12, 50, 75 or 100 each time the UP or DOWN button is pressed. (Note: No light will be emitted if 0% is selected)
3. **Press the START /STOP button to open the shutter.** The OPEN indicator will illuminate.
Warning: UV light and high levels of visible light will be emitted from the end of the light guide !
4. For coarse adjustments, press and hold the UP or DOWN button to rapidly increase or decrease the light output.
5. Press the **START /STOP** button to close the shutter. The OPEN indicator will turn off.

Running a Timed Exposure:

1. Set the system to Timer Mode (XXX.X).
2. Press the **START /STOP** button. The shutter will open and the exposure time will begin to count down. When the exposure time has elapsed to zero, the shutter will close.

Running an Exposure with No Timer:

1. Set the system to Intensity Mode (XXX).
2. Press the **START /STOP** button. The shutter will open. The shutter will remain open until the **START /STOP** is pressed again.

Using the Footpedal / Remote Device (Rear Panel: 3.5mm Jack)

1. Depressing the footpedal, or providing a momentary contact closure, provides the same function as pressing the **START/STOP** button. The shutter opens as per the current mode (Intensity, Timer or Lamp Hour) of the unit.

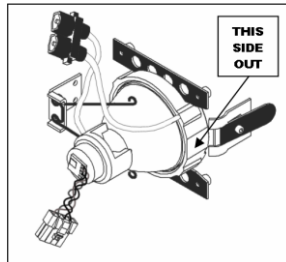


WARNING: Never look into the light emitting end of the light guide! The light could severely damage the cornea and retina of the eye if the light is observed directly. Eye shielding must be used at all times as well as clothing to protect exposed skin. Refer to X-Cite 120 PC Q User's Guide, Section 5

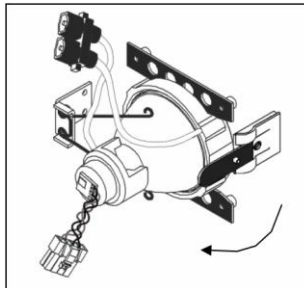
Installing the Lamp Module

1. Be sure the AC power cord is disconnected from the unit.
2. Remove the screw from the lamp access side panel using the 3mm hex tool provided and remove the panel from the unit cover.
3. Open the Lamp bracket arm by pulling towards you and to the right.
4. Carefully remove the lamp module from its container, holding only the ceramic components.

Caution: Do not touch the bulb's glass envelope or the inside surface of the reflector. Skin oils can cause the lamp module to fail prematurely.



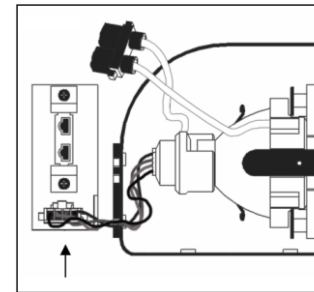
5. With the lamp facing towards the rear of the unit and "This Side Out" label facing out, position the lamp so that the two leading edges of the lamp ceramic mount slide into the groove of the lamp bracket. The middle of the lamp should be in position to fit into the spring clamp.



6. Slide the lamp all the way in so that both leading edges of the lamp ceramic mount are in the upper and lower grooves of the lamp bracket. The middle of the lamp will snap into the spring clamp.

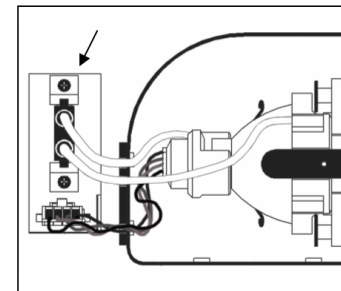
7. Close the Lamp bracket arm by pushing it in and to the left.
8. Insert the 4-pin Intelli-Lamp connector into its mating receptacle on the lamp housing wall as illustrated below.

Tip: the Intelli-lamp connector will only attach in the correct orientation. If you are having difficulty attaching the connector, try rotating it by 180°.



9. Attach the 2-pin Lamp Power connector to its mating receptacle on the lamp housing wall as illustrated below.
10. Insert the Intelli-Lamp lead harness and the 2 Lamp Power leads into the alignment grooves on the lamp housing as illustrated below.

Tip: the Lamp Power connector will only attach in the correct orientation. If you are having difficulty inserting the connector, try rotating it by 180°.



11. Replace the lamp access side panel and tighten the fastening screw.
- Note:** if the lamp is not properly installed, the "bulb" message will display and the lamp will not strike.