



**Warning – Refer to Safety Precautions Booklet 035-00636R for all safety precautions prior to use.**  
User Guide 035-00575R download: <http://www.excelitas.com>

**SETUP**  
**Unpack**

- Carefully unpack the unit and accessories from shipping carton.
- When unpacking the light guide take care not to bend sharply.

**Install the Microscope Adaptor (if applicable)**

- Remove protective wrap from adaptor.
- Insert the flange portion of the Microscope Adaptor into the light port on the microscope, and secure it using the hardware provided on the microscope.

**Connections and Positioning**

- Remove red caps from light guide. Insert large end into light guide port on unit (up to "B" line). Insert small end into microscope light guide port (or adaptor), and secure it with hardware provided.
- Position the equipment. Ensure adequate clearance for ventilation around unit, and slack in the light guide.
- Connect speedDIAL cable to "remote" port on main unit.
- Connect USB cable to ports on main unit and computer. (For Windows 7/8.1, USB driver will install via internet after unit powers up, see user guide for additional information.)
- Connect external power supply to main unit.
- Connect AC power to properly grounded outlet.

**MANUAL OPERATION**

- Flip rocker switch to turn unit on.
- When display shows "x%", it is ready to use.
- Click speedDIAL to illuminate a specimen.
- Turn speedDIAL to adjust intensity.

**REGULATORY** (refer to user guide for complete details)

**Product Safety and Electromagnetic Compatibility**

The X-Cite 110LED has been tested and found to comply with product safety and electromagnetic compatibility requirements. For a complete list of tests and for certification details, please contact your X-Cite representative or visit <http://www.excelitas.com>

**CE Marking**

	• Council Directive 2014/35/EU	Low Voltage Directive
	• Council Directive 2014/30/EU	EMC Directive
	• Council Directive 2012/19/EU	WEEE Directive
	• Council Directive 2011/65/EU as amended by (EU) 2015/863	RoHS

**BASIC TROUBLESHOOTING** (refer to user guide for complete details)

Category	Symptom	Action
<b>Error messages</b>	Error 1 (High Temp.)	Turn off, let cool; check clearance around vents
	Error 3 or 5 (Internal)	Turn off, restart
	Error 6 (Low Temp.)	Allow unit to warm to room temperature and restart
<b>Intensity</b>	Low output intensity	Check speedDIAL settings Check light guide position Check adaptor type Check microscope beam path, filters, apertures, shutters, objectives
<b>speedDIAL</b>	Double-click turns off LED	Increase delay in the speed (Spd) setting
	New settings forgotten when unit is shut down	After changing settings, wait at least five minutes before shutting unit down
	Dial does not scroll through the menu	Turn dial in the opposite direction
	"Lock" icon on display, speedDIAL not responding to manual control	Send "unlock" command via computer OR power down unit and restart
<b>TTL</b>	TTL response time is longer than usual	Enable TTL mode Verify that timeout settings are appropriately set

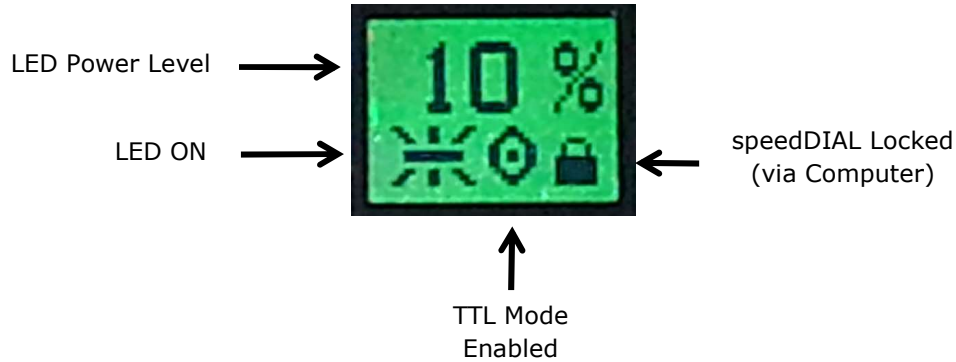


**WARNING:** Never look at operating LED! The light could severely damage the cornea and retina of the eye if the light is observed directly. Eye shielding must be used at all times as well as clothing to protect exposed skin. Refer to user guide for more details.



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**SpeedDIAL Home Screen**



**SpeedDIAL Menus and Settings**

- To access the main menu, press and hold the dial (shutter button) for one (1) second.
- To navigate the menus, turn the dial to scroll through the options. An arrowhead will indicate the currently selected menu option, click the dial to make a selection.
- To adjust settings, turn the dial. To select a setting and return to sub-menu, click the dial.
- To exit menu system at any time, press and hold the dial for one (1) second.

**SpeedDIAL Menu**

(refer to user guide for complete instructions)

Menu Item	Description
<b>LCD</b>	<b>Display Screen Brightness and Color Settings</b>
<i>Dim</i>	Backlight timeout (off = backlight always on)
<i>Brig</i>	Screen brightness (0% = backlight off)
<i>Color</i>	Screen color
<b>Favo</b>	<b>Favorite Intensity Setting</b> - Double-click jumps to preset intensity level
<i>Int</i>	Select favorite intensity level
<i>Enbl</i>	Enable or disable this feature
<i>Spd</i>	Adjust delay time between clicks (defines "double-click")
<b>TTL</b>	<b>TTL Mode Control</b> - Required for TTL triggering
<i>Enbl</i>	Enable or disable this mode
<i>Time</i>	Define a timeout setting (recommended)
<b>Hand</b>	<b>Display Screen Orientation</b> - Rotate display screen 180°
<b>Srvc</b>	<b>Service Data</b> - Embedded software versions, serial number, LED hours, system temperatures