# X-Cite<sup>®</sup> Fluorescence Illumination • In Control

### X-Cite<sup>®</sup> NOVEM: Quick Start Guide

#### Warning - Refer to Safety Precautions Booklet 035-00636R for all safety precautions prior to use. User Guide 035-00710R download: http://www.excelitas.com

### SETUP

#### Unpack

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

### Install the Microscope Adaptor (if applicable)

- 1. Remove protective wrap from adaptor.
- 2. 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 quide port (or adaptor), and secure it with hardware provided.
- 2. Position the equipment. Ensure adequate clearance for ventilation around unit, and slack in the light guide.
- 3. Connect speedDIAL cable to "speedDIAL remote" port on main unit.
- 4. 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 quide for additional information.)
- 5. Connect AC power cord to rear of unit and plug in to properly grounded outlet.

#### MANUAL OPERATION

- 1. Flip rocker switch on front of the main unit to turn X-Cite system on.
- 2. When speedDIAL display shows LED channel 1 with an intensity setting, it is ready to use.
- 3. Press "up" and "down" buttons until the desired LED channel (1 to 9) is shown.
- 4. Click speedDIAL to illuminate a specimen.
- 5. Turn the dial to adjust intensity clockwise to increase, counter-clockwise to decrease.

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

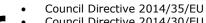
#### Product Safety and Electromagnetic Compatibility

The X-Cite NOVEM 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 Excelitas website: http://www.excelitas.com.

The X-Cite NOVEM is classified as Class 1 laser product according to IEC 60825-1: Safety of laser products - Part 1: Equipment classification and requirements: 2014-05 and complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant

to Laser Notice No. 50, dated June 24, 2007. This class is eye-safe under all operating conditions. This class includes all lasers or laser systems which cannot emit levels of optical radiation above the exposure limits for the eye under any exposure conditions inherent in the design of the laser product. There may be a more hazardous laser embedded in the enclosure of a Class 1 product, but no harmful radiation can escape the enclosure.

#### **CE Marking**



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



China RoHS

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

Category	Symptom	Action
Error messages	Error 1 (High Temp.)	Turn off, let cool; check clearance around vents
	Error 2 to 5 (Internal)	Turn off, restart
	Error 6 (Low Temp.)	Allow unit to warm to room temperature and restart
Intensity	Low output intensity	Check speedDIAL settings Check light guide position Check adaptor type Check microscope beam path, filters, apertures, shutters, objectives
speedDIAL	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



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### **SpeedDIAL Quick Reference Guide**

SIDE 2

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#### speedDIAL 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 details/instructions)

Menu Item	Description	
LCD	Display Screen Brightness and Color Settings	
Dim	Backlight timeout (off = backlight always on)	
Brig	Screen brightness (0% = backlight off)	
Color	Screen color	
Group	Enable/Disable Grouping Mode	
Hand	Display Screen Orientation - Rotate display screen 180°	
Info	Information specific to each LED	
Hour	Total hours accumulated on the LED	
Wave	Central Wavelength	
FWH	Full width half maximum band size	
WLR	Usable wavelength range	
Тетр	Current LED temperature	
Max	Maximum allowable LED temperature	
Srvc	Service Data	
SN	Unit serial number	
S/W1 or S/W2	Embedded software version numbers	
Spd	(No function in X-Cite NOVEM)	
Err	Display error conditions specific to each LED or the system in general. - No error: "0" will be displayed.	



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