



Warning – Refer to Safety Precautions Booklet 035-00636R for all safety precautions prior to use.
User Guide 035-00759R 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 smartDIAL cable to "remote" port on main unit.
- Connect USB cable to ports on main unit and computer. (For Windows 10, 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%" in the centre, it is ready to use.
- Illuminate a specimen: Single-click channel button(s) corresponding to the desired wavelength(s).
- Adjust intensity: Turn the smartDIAL.

REGULATORY (refer to user guide for complete details)

Product Safety and Electromagnetic Compatibility

The X-Cite TETREM 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
Error messages	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
Intensity	Low output intensity	Check smartDIAL settings Check light guide position Check adaptor type Check microscope beam path, filters, apertures, shutters, objectives
smartDIAL	New settings forgotten when unit is shut down	After changing settings, wait at least five minutes before shutting unit down
	"Lock" icon on display, smartDIAL not responding to manual control	Send "unlock" command via computer OR power down unit and restart
TTL	TTL response time is longer than usual	Verify that timeout settings are appropriately set



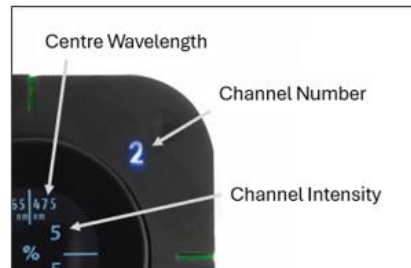
WARNING: Never look at operating LED! The light could severely damage the cornea and retina of the eye if the light is observed directly. Eye shielding must be used at all times as well as clothing to protect exposed skin. Refer to user guide for more details.



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User Guide 035-00575R download: <http://www.excelitas.com>

SmartDIAL Layout and Home Screen

Rotating Centre Dial & Display Screen



SmartDIAL Menus and Settings

- To access the main menu, press and hold the dial for one (1) second.
- To navigate the menus, turn the dial to scroll through the options. Click the dial to make a selection.
- To adjust settings, turn the dial. To save and exit the setting adjustment, click "Done" (Button 4).
- To exit menu system at any time, press and hold the dial for one (1) second.

SmartDIAL Menu

(refer to user guide for complete instructions)

Menu Item	Description
FAV	Favourite Intensity Setting (Double-click jumps to preset intensity level)
<i>USER#</i>	Selects user profile to update (1,2,3,4)
<i>CH#</i>	Selects channel to update
<i>INT%</i>	Set CH# to preferred intensity
<i>COLOR</i>	Set CH# indicator light to preferred colour (0=pink, 1=violet, 2=blue, 3=cyan, 4=green, 5=green/yellow, 6=yellow, 7=orange, 8=red)
BRIGHT	Display Screen and Button Brightness Settings
<i>DISPLAY</i>	Set screen brightness (0=dimmest to 10=brightest)
<i>BTN</i>	Channel number brightness (0=dimmest to 10=brightest)
TTL	TTL Mode Control
<i>T/O</i>	Define a timeout setting (5 to 240 minutes) - Keeps LED drivers active for fastest response times
BTN	Channel Button Settings
<i>DBLCLK</i>	Set double-click speed (slow, mid, fast)
<i>COLOR</i>	Set CH# indicator light to preferred colour (0=pink, 1=violet, 2=blue, 3=cyan, 4=green, 5=green/yellow, 6=yellow, 7=orange, 8=red)
SRVC	Service Data
<i>GEN</i>	SW1=X-Cite unit firmware version SW2=smartDIAL firmware version SN=X-Cite unit serial number
<i>HOURS</i>	Number of "on" hours for the LED
<i>TEMP</i>	Current temperature of LED (degrees Celsius)