

BVI

Endo Optiks®

E2 Laser Endoscopy System

For Technical Assistance: 732-530-6762
endooptiks.com | bvimedical.com

Quick Setup Guide

E2 Setup Steps

1

Color Video Monitor:
Turn monitor ON



2

Back of E2 Unit:
Turn Power ON



3

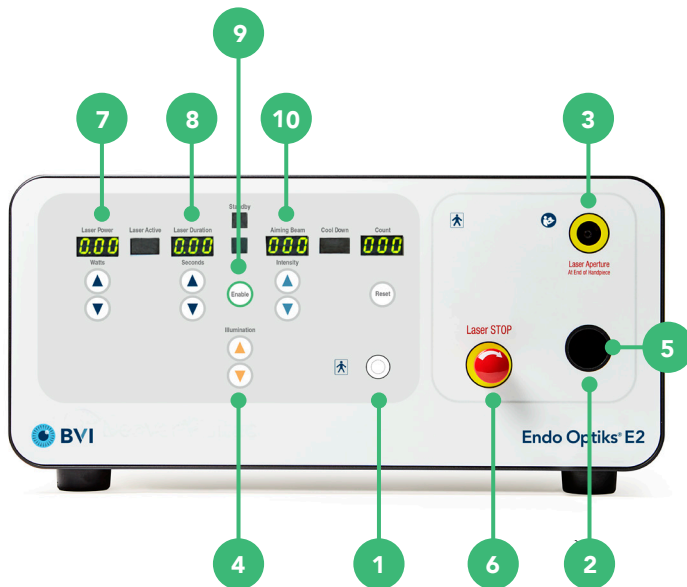
Back of E2 Unit:
Laser key in the 1 position



Quick Set-Up Guide

E2 Front Control Panel

- 1 Illumination: PLUG IN
- 2 Video Connection: Press video coupler lever, plug in endoscope and release lever/clip for a firm connection
- 3 Laser: SCREW in connector
- 4 Increase Illumination (Yellow arrows)
- 5 Focus image by turning knurled ring on video coupler
- 6 Laser STOP Button: Ensure emergency stop is in the OFF / OUT position
- 7 Laser Power: Set to 0.25 watts
- 8 Laser Duration: Set to CON (Continuous)
- 9 Enable: PRESS
- 10 Aiming Beam: Set to 10 to 20



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Endoscope Handling

Step-by-Step Guide

1

Unpack the Endoscope

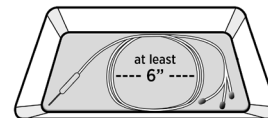
- Remove endoscope from shipping container

Note how the endoscope is packaged and coiled loosely

2

Prepare for Sterilization

- Place endoscope in sterilization tray
- Make sure black connector caps are in place
- Do not coil the endoscope any tighter than 6" in diameter

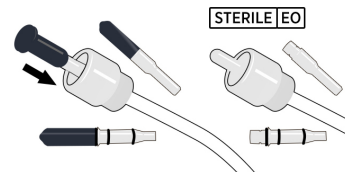


3

Sterilize

- Steam autoclave (*Caps must be in place*) at 250°F (121°C) for 15 minutes or 273°F (134°C) for 4 minutes
- Ethylene Oxide (*Caps must be in place*)
- Steris® & Sterrad® (*Caps must be in place*)

Note: Detailed Instructions are enclosed with endoscope



4

Remove from Sterilization Tray

- Uncoil endoscope carefully
- After autoclaving, caps may stick to connector ends



IMPORTANT NOTE:

Microendoscopes are made of glass. Do not pull, stretch, squeeze or bend any part of the endoscope.



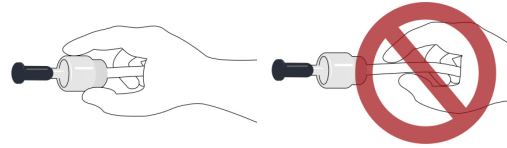
Endoscope Handling

Step-by-Step Guide

5

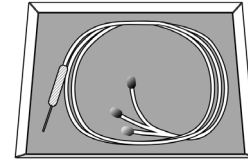
Remove Caps

- Always hold microendoscope at metal connector and lift edge of cap to break seal
- Gently work cap back and forth while pulling
- Do not grasp or pull on white jacket

**6**

Handle After Use

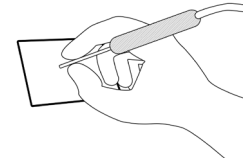
- Immediately after surgery, place microendoscope in the sterilization tray
- Replace caps; if caps are collapsed, discard and replace
- Clean tip

**7**

Clean the Tip

- Hold microendoscope between thumb and forefinger, approx. 1/4" from tip (See diagram 3)
- Clean tip with a moist instrument wipe then place directly on an instrument wipe
- While holding cannula or distal end (not hand-piece), gently run tip across an instrument wipe in a circular motion

Diagram 3



Note: Detailed instructions are enclosed with microendoscope

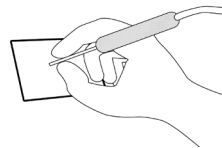
Troubleshooting

Problem	Solution
Cannot adjust laser settings on front panel or unable to activate or enable laser	Emergency STOP button is depressed; release by turning to right
	Turn laser key in rear of the unit to "1" position
	Connect microendoscope; laser connector of endoscope must engage and "beep" indicating laser is enabled
	Connect footswitch
Display shows 777, 888, or FFF	Check that unit is plugged directly into wall socket or is the only item connected on the surge protector
	Make sure footswitch is connected
	Re-start unit
Cannot focus image	Make sure connection to video coupler is secure; microendoscope should have "O" ring in place and release clip on video coupler should be secure; engage with endoscope
	Change microendoscope



Troubleshooting

Problem	Solution
Aiming beam off-center or unclear	Remove endoscope from eye and clean tip
	Make sure beam is bright and clear before re-entering eye
Illumination is dimming	Check to see if your footswitch has light paddle controls (left and right inside). If left side is inadvertently pressed, it will dim illumination. The right paddle will increase the illumination. <i>Note: Paddles in footswitch will override front panel control</i>
	Change microendoscope
NOTE	If you have tried these recommended solutions and the problem persists, please contact BVI Customer Service at 1-866-906-8080



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