

OPTICAM 2 QUICK SETUP GUIDE

Please register and update the OptiCam 2 Tool to the most recent firmware available at Panduit.com > Support > Download Center > Software/Firmware/Printers > OptiCam 2 Termination Tool.



OptiCam 2

OptiCam 2 Termination Tool Quick Setup Guide

© Panduit Corp. 2017

WARNING

Read and understand the instructions and safety information in this manual before operating this tool. Failure to observe this warning can result in bodily injury.

Warning: Risk of fire. Battery can explode or leak and cause injury if installed backwards, disassembled, charged, crushed or exposed to fire or high temperature.

CAUTION

Caution - Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. The laser is emitted from the LC connector located at the top of the tool. See the next page illustration for connector location.

- **Never** point the laser into the eyes of others.
- **Do Not** stare directly at the laser beam.
- **Do Not** set up tool to work at eye level or operate the tool on a reflective surface as the laser could be projected into your eyes or the eyes of others.

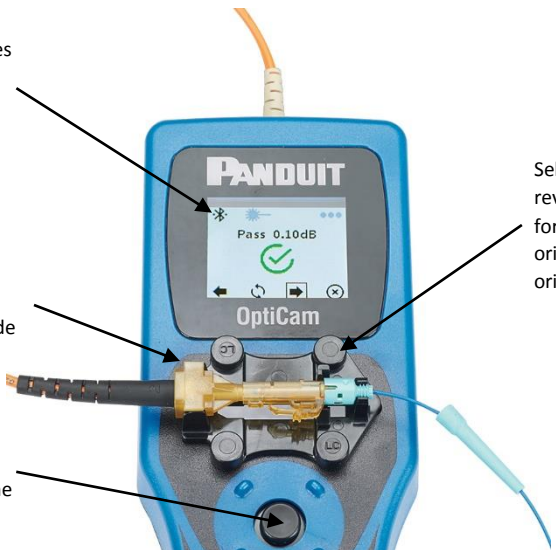

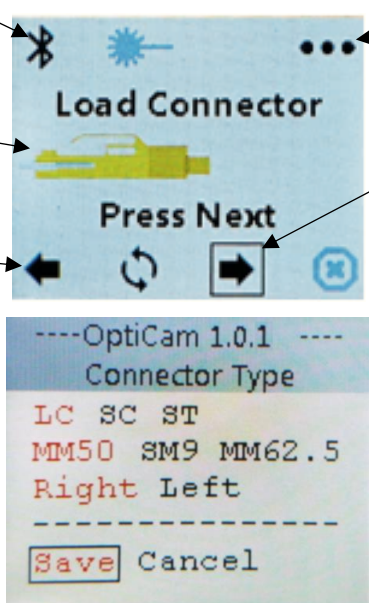
Viewing the laser output with certain optical instruments (for example, eye loupes, magnifiers, and microscopes) within a distance of 3.9" (99 mm) may pose an eye hazard.

Remove the batteries when storing for an extended period of time to avoid damage to the tool should the batteries deteriorate.

TECHNICAL INFORMATION

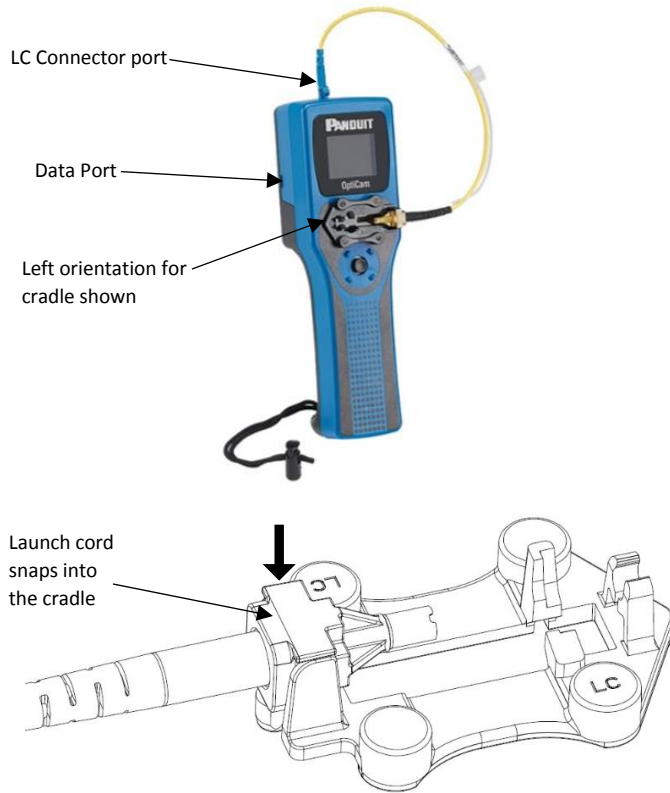
Recommended Use:	With available launch cords and cradles only
Laser Diode Type:	IEC 60825-1 Class 1 Laser product
Connectors:	LC, SC, ST, singlemode and multimode, Panduit connectors only
Power Supply:	2 size AA (type L91) 1.5volt Lithium Iron Disulfide batteries, Max Discharge: 2.5 amp continuous, included. Size AA alkaline batteries can be used at a reduced rate battery life. Tool can also be powered without batteries through the power/data (5 VDC, 1 amp max) port on the side of the tool.
Rated Battery Life:	Approximately 8 hours (continuous use)
Firmware Updates:	Use power/data port on the side of the tool to connect to PC, visit www.panduit.com for latest firmware
Environment:	FOR INDOOR USE ONLY Max altitude 2000m Pollution degree 2
Operating Temperature:	+32° F to +104° F (0° C to +40° C), <93% RH, non-condensing
Storage Temperature:	-40° F to +158°F (-40°C to +70°C)
Overall Dimensions:	2.1" H x 2.8" W x 9.1" L (53mm x 71mm x 231mm)
Weight:	9.0 oz (255 g) without batteries

<p>Tool Storage After all connector terminations are complete, detach the launch cord from the tool by disconnecting the LC connector at the top of the tool. Detach the ferrule adapter from the cradle and put dust caps on both ends of the launch cord. Place tool, launch cord, and cradle in a protective case.</p>
<p>Care and Handling</p> <ul style="list-style-type: none"> • Laser tools are precision instruments, which should be handled with care. • Avoid shock, vibrations, and extreme heat. • Avoid dust and water that could obstruct laser. • Keep tool dry and clean. • Check batteries regularly to avoid deterioration. • Remove batteries if the tool is to be stored for an extended period.
<p>Tool Maintenance</p> <ul style="list-style-type: none"> • This tool contains no user serviceable parts. • The laser output is not user adjustable. • Contact Panduit Corp. for service needs.
<p>Symbols This symbol indicates the need for separate collection of electrical and electronic equipment waste. Separating electronic waste can halt the potential adverse effects on the environment and human health as a result of the hazardous substances in electrical and electronic equipment. This waste should be returned to the proper collection facility.</p>
<p>CAN ICES-3(B)/NMB-3(B) 当該機器には電波法に基づく、技術基準適合証明等を受けた 特定無線設備を装着している。</p>

<p>Product Overview</p>	<p>LCD display guides user through the termination process</p> <p>Launch cord removeable for changing from single or multimode fiber</p> <p>5-way joystick navigates users quickly through the on-screen menus</p> <p>Self-aligning, reversible cradle for left or right orientation (right orientation shown)</p> 
<p>Step 1</p> <p>Install batteries into the battery compartment, be sure to install the batteries in the correct orientation.</p> <p>Power on by using the center of the navigation button, pressing directly down.</p>	 <p>Press down on the navigation button to power on the tool</p>
<p>Step 2</p> <p>Use the navigation button to navigate to the menus and to "Connector Type" and select the correct connector options</p> <p>Use the navigation button left and right button to select the correct information. The selected text will become red, "Save" this option.</p>	<p>Bluetooth Indicator</p> <p>Menu</p> <p>Connector, orientation & color change to match selection</p> <p>Next icon. The outline indicates this is current selection</p> <p>Back icon</p> 

Step 3

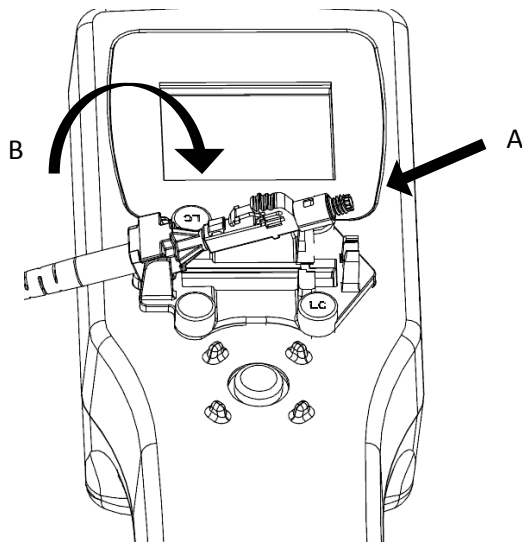
Install the correct OptiCam 2 launch cord and OptiCam 2 cradle. An LC connector on the launch cord attaches to a port at the top of the tool and the unique adapter attaches it to the cradle. The cradle attaches to the tool (singlemode LC launch cord, and LC Cradle are shown) with either a left or right orientation.



Step 4

A) Insert a connector while the launch cord is tilted up to receive the connector.
 B) Tilt the connector down, ensure the connector backbone snaps in to the cradle.

Note: Each connector has slightly different cradle operation. Refer to the individual connectors' specific instructions in the OptiCam 2 Installation Instructions FS133.



Step 5

REFER TO FIBER PREP STEPS IN USER INSTALLATION INSTRUCTIONS

Have fiber prepped and cleaved to 7mm before starting the next termination steps.

See the following Installation instructions for fiber prep steps:

FS133

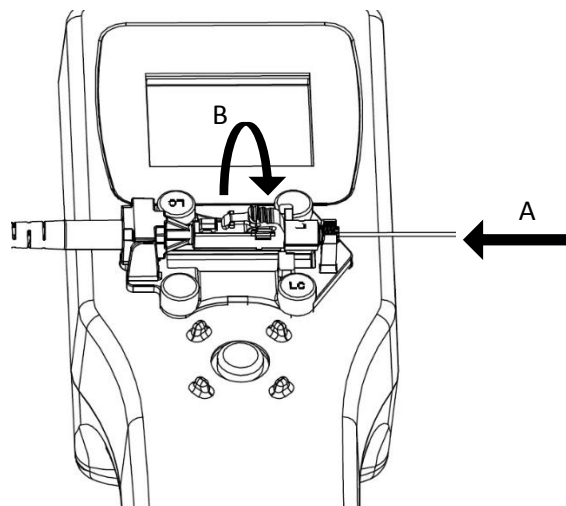
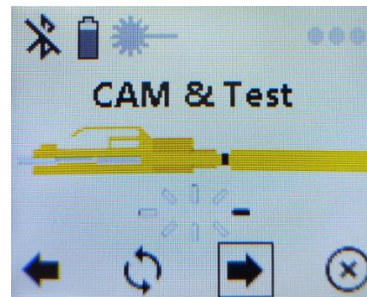
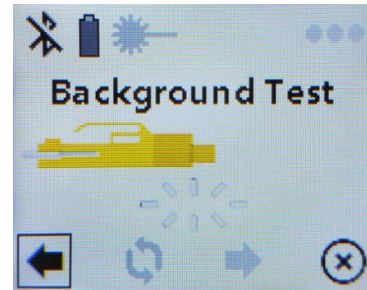
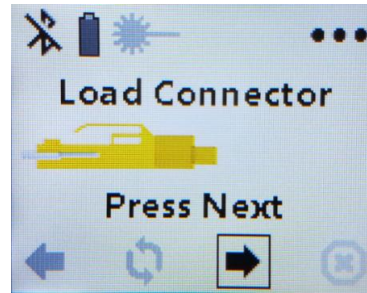
Step 6

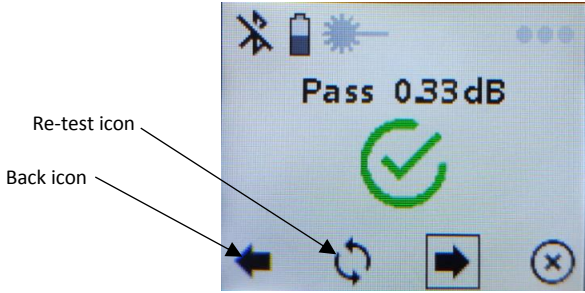
To start the connector test, select the "Next" icon, pressing the navigation button directly down.

The tool will perform a background test of the connector. After passing the background test, the "Insert Fiber" command will display automatically.

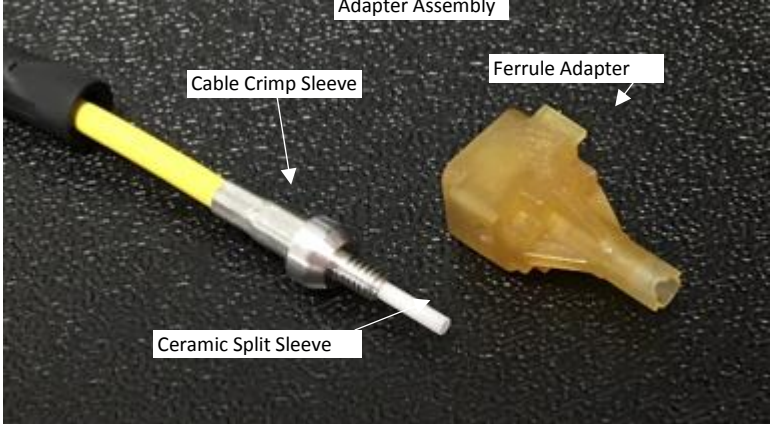
Insert cleaved fiber and maintain gentle forward pressure while waiting for the "CAM & TEST" command to appear on the screen.

When the screen displays the "CAM & Test" command, A) Maintain gentle forward pressure on the field fiber, and B) "Cam" the connector, then select the "Next" arrow to perform test.



<p>Step 7</p> <p>Validate IL value meets project requirements.</p> <p>If needed, re-test by using the “Re-test” icon, or re-terminate using the “Back” icon and reperform steps 5 and 6. The OptiCam connector can be reused up to three times.</p>	
--	--

Care and Maintenance

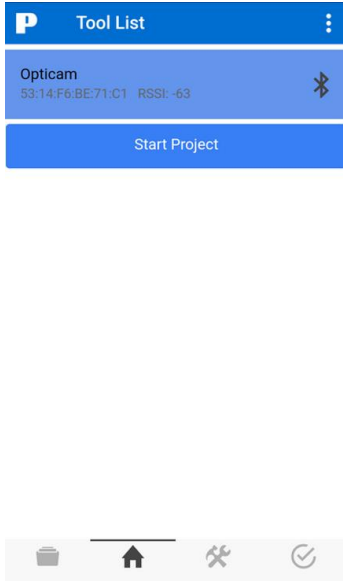
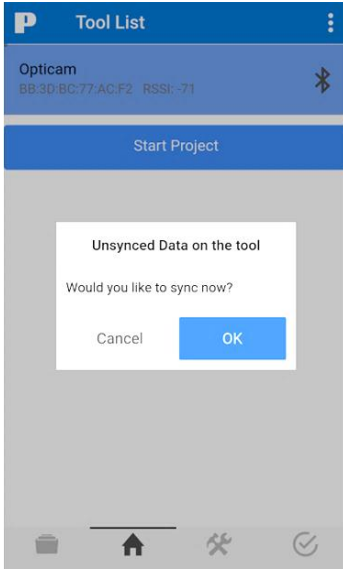
<p>a. Replacing the Ferrule Adapter</p> <p>Fiber tip of the launch cords should be cleaned every fifty (50) connector terminations. To clean, retract the boot to expose the cable crimp sleeve. Remove the Ferrule Adapter by holding the crimp sleeve and unthreading from the Ferrule Adapter Assembly to expose the white ceramic split sleeve.</p>	 <p>Note: 1.25 millimeter cord is shown for reference. The process is the same for the 2.5 millimeter cord.</p>
--	--

<p>b. Replacing the Split Sleeve</p> <p>Twist the split sleeve and pull to remove it from the assembly, exposing the tip of the fiber. Clean the fiber tip by wiping along fiber clean wipes wet with isopropyl alcohol, wiping from wet to dry, and replace the split sleeve.</p>	
---	--

Mobile App, install from App store on your mobile device. **Connect-It.**



<p style="text-align: center;">App Overview</p>	
<p>Step 1</p> <p>After performing terminations, connect OptiCam 2 tool to the <i>Connect-It</i> app. Navigate to the menus of the OptiCam 2 tool and select: Tool Settings>Wireless>On. Then select "Exit".</p> <p>Note: The tool name is found under Menus>Tool Settings>Tool Name. Rename for ease of use.</p>	<p style="text-align: center;">Enter the wireless password given when registering the tool at Panduit.com Then turn wireless on.</p>
<p>Step 2</p> <p>Create a new project in <i>Connect-It</i> app.</p>	

<p>Step 3</p> <p>Connect to the OptiCam 2 tool, pull down to refresh the list, and select the appropriate tool name from the list.</p>	
<p>Step 4</p> <p>The app will indicate that the tool has un-synced records if terminations were done on the tool without the app and tool being synced. Select “OK” to sync which will transfer the records of the termination(s) to the project file in the app.</p> <p>Note: The records will no longer be available on the OptiCam 2 tool.</p>	
<p>Step 5</p> <p>Export the connector data. Navigate to the “Project Overview”, select the current project, and select the “Share” option. Your mobile device’s default email will open with a CSV attachment containing the connector data.</p>	