



OBIS LX/LS Single Laser Remote

Full Feature Laser Remote and Power Supply

OBIS LX and OBIS LS laser products come with a variety of accessories to support your application needs.

The OBIS Single Laser Remote for OBIS LS and OBIS LX offers all the features from the laser in a convenient CDRH-compliant interface.

As with all OBIS LX and OBIS LS lasers, the laser itself offers a stand-alone all-in-one laser solution. The OBIS laser comes with a Power Connection, USB Connection, Fan Connection and a SDR-type Connection for laser control I/O. All of these are on the back panel of every OBIS LX/LS laser.

To simplify integration the OBIS Single Laser Remote connects to the single SDR-type connector for power, signals and communication. The OBIS Single Laser Remote then brings all of these features to controls and connectors on the Remotes front and back panel.

OBIS Single Laser Remotes can even be stacked together with the provided mounting hardware for applications using multiple OBIS LX/LS lasers.



Superior Reliability & Performance

OBIS LX/LS Single Laser Remote Features:

- Compact size
- Laser safety features (CDRH) such as key switch and interlock
- Laser status indicators
- Full input and output connections for control, analog modulation and digital modulation
- Compact power supply for single laser included
- Brackets for mounting and stacking included

OBIS LX/LS Single Laser Remote Applications:

- Laboratories needing CDRH features
- Applications wanting a simple Analog or Digital inputs to control the laser
- Applications wanting laser control at a remote location away from the laser

www.Coherent.com/OBISSingleLaserRemote

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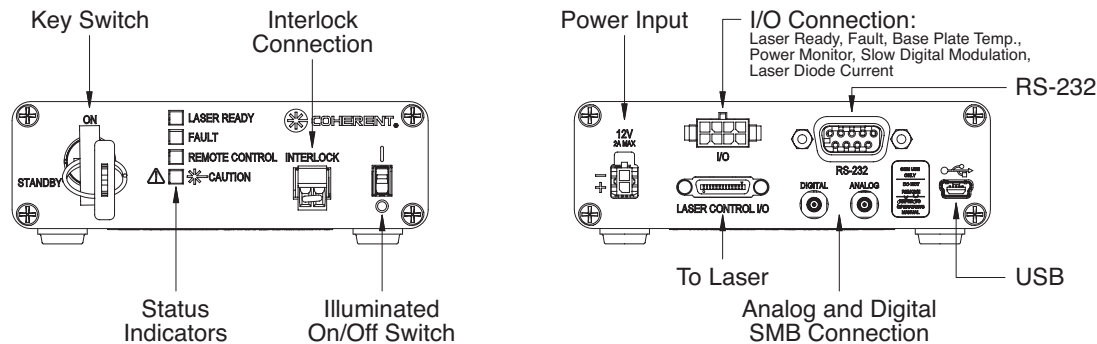
System Specifications

OBIS LX/LS Single Laser Remote

Host Computer Remote Control via USB ¹	USB 2.0, Mini B
Host Computer Remote Control via RS-232 ¹	RS-232 115.2K, 8N1
Interlock	Yes, included with shorting wire
Laser Status Indicators	Yes
Analog Modulation Input	SMB, 50 Ohm OR 2KOhm, 0 to 5V
Digital Modulation Input ²	SMB, 50 Ohm, 0 to 3V
Warm-up Time (minutes)(from cold start)	<2
OBIS Connection Software ³	Included on USB drive with user manual
Power Consumption (W)(typical)	1 (laser not included)
Power Consumption (W)(maximum)	2 (laser not included)
Power Input	Universal IEC-320
Power Cord (USA)	2.4m (8 ft.)
Operating Condition ⁴ (°C)	0 to 40
Non-operating Condition ⁴ (°C)	-10 to +70
Shock Tolerance (6 ms)	20 g
Operating Voltage	90 to 264 VAC, 47 to 63 Hz
Dimensions (L x W x H)	105 x 68 x 36 mm (4.1 x 2.7 x 1.4 in.)
Weight	
OBIS Single Laser Remote	0.23 kg (0.5 lbs.)
Power Supply (included)	0.23 kg (0.5 lbs.)
Part Number for OBIS Single Laser Remote	1173961
Part Number for OBIS LX/LS SDR-Type Cable from Laser to Remote	
1-meter	1179451
3-meter	1179858
0.3-meter	1197523
Part Number for OBIS Power Supply, 12VDC	1184491

¹ Host computer not provided. USB cable provided. RS-232 cable not provided.
² Digital modulation can be driven up to 5V.
³ Software operates on Windows 7.
⁴ Non-condensing.

OBIS LX/LS Single Laser Remote Controls

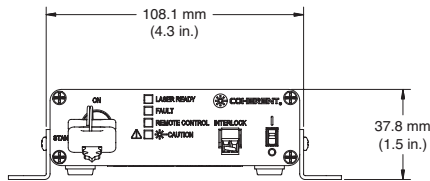
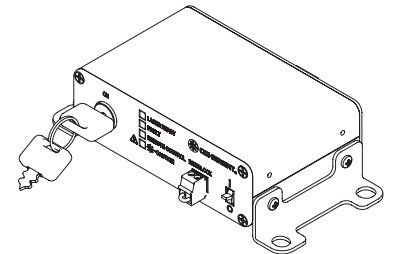
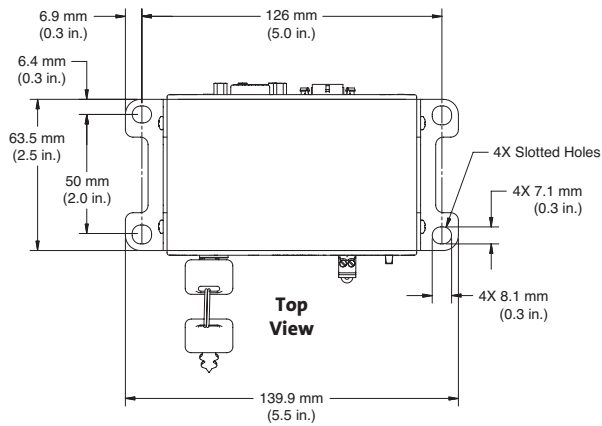


OBIS LX/LS Single Laser Remote

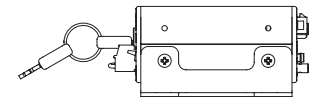
Full Feature Laser Remote and Power Supply

OBIS LX/LS Single Laser Remote Mounting Brackets and Stacking Brackets

(included with OBIS LX/LS Single Laser Remote)



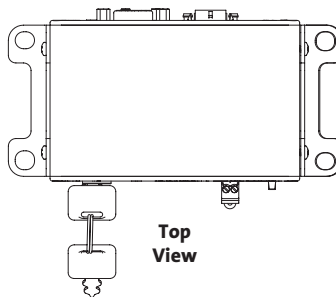
Front View



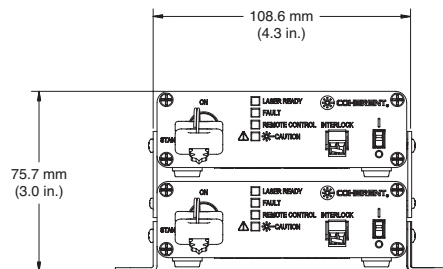
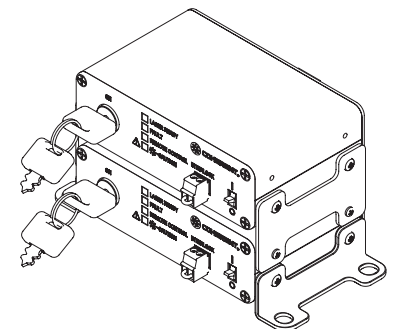
Side View

Example of Stacking OBIS LX/LS Single Laser Remotes

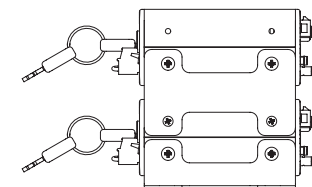
(mounting bracket included, second remote sold separately)



Top View



Front View



Side View

OBIS LX/LS Single Laser Remote

Full Feature Laser Remote and Power Supply

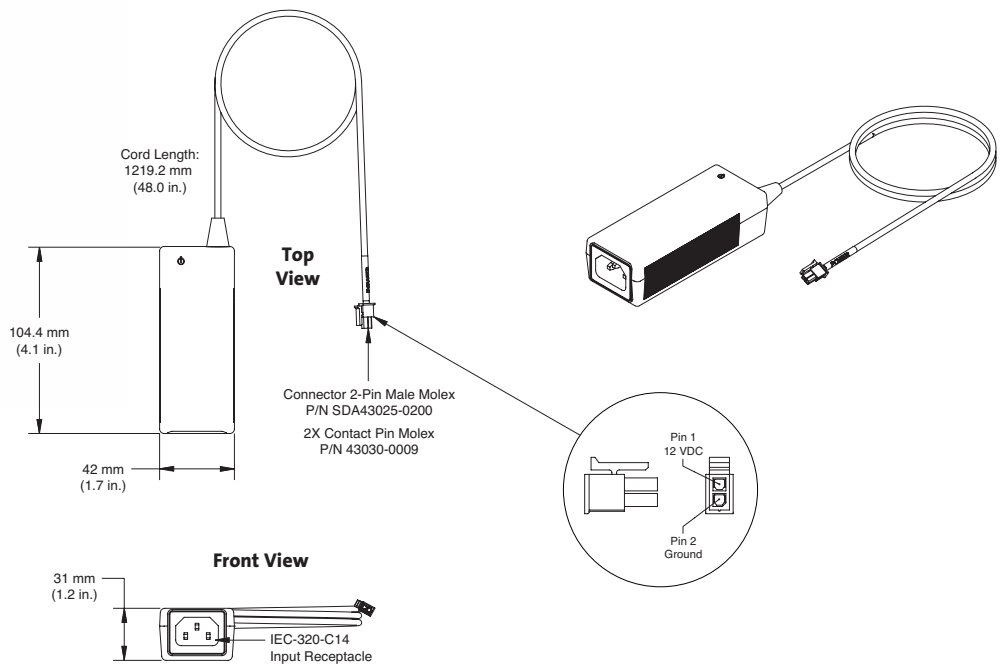
OBIS Single Laser Power Supply

(included with OBIS LX/LS Single Laser Remote)

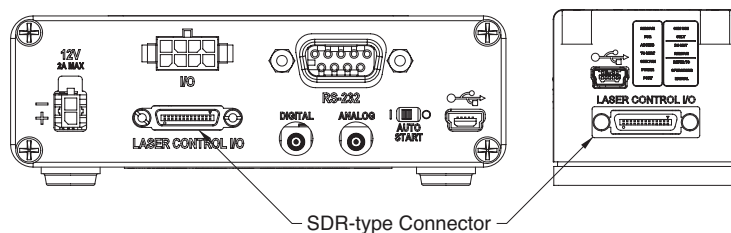


Power Cord sold separately

OBIS Single Laser Remote Power Supply offers 12VDC output to the OBIS Remote and has an universal input of 100-240 VAC (47-63 Hz).



OBIS Single Laser Remote requires a SDR-type cable to connect the Laser to the Remote. This cable carries power, signals and communications. Available in 0.3m, 1m and 3m lengths. Sold separately. (Note: if buying an OBIS Laser System then the OBIS laser is shipped with the OBIS Single Laser Remote and a 1-meter SDR-type cable.)

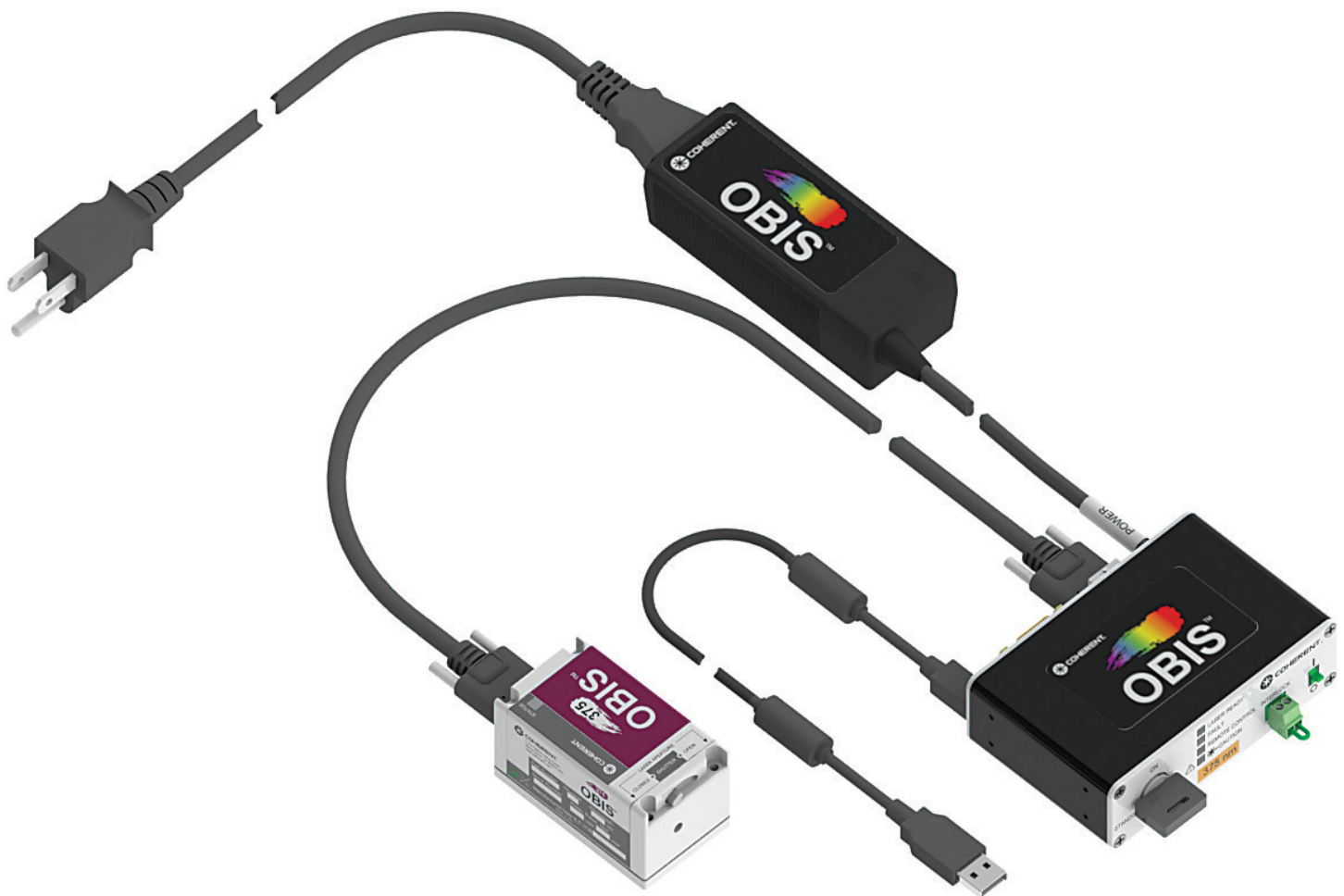


OBIS LX/LS Single Laser Remote

Full Feature Laser Remote and Power Supply

Example of the OBIS LX/LS Laser System including:

OBIS Single Laser Remote, SDR-type Cable from the Laser to the remote,
USB cable, OBIS Single Laser Power Supply.



OBIS LX/LS Single Laser Remote

Full Feature Laser Remote and Power Supply

Other OBIS Laser Remotes

Description



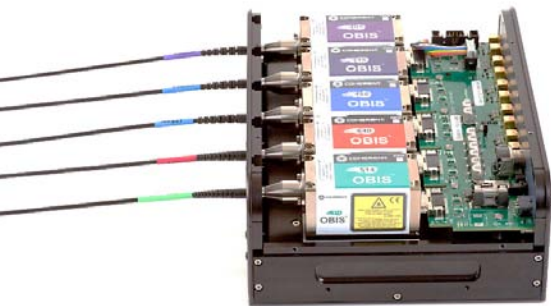
OBIS LX/LS Single Laser Remote with full features for control with analog/digital inputs. Includes USB and RS-232 on the Remote.



OBIS LX/LS 6-Laser Remote with CDRH features. Separate power switches and power cables for each laser.



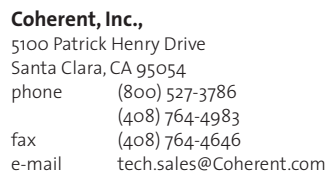
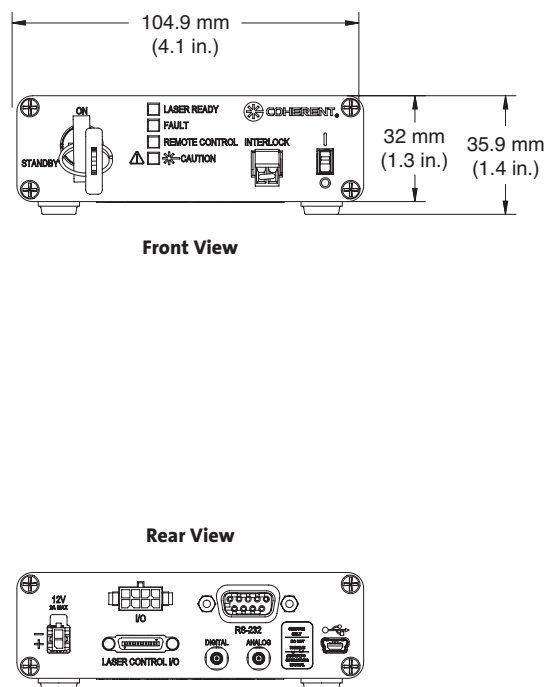
OBIS LX/LS Scientific Remote with full features for control with analog/digital inputs for up to six lasers. User interface touch screen and connectivity through USB, RS-232 and Ethernet.



OBIS LX/LS Laser Box with five laser mounting bays with thermal management, cooling fans, analog/digital inputs, RS-232, USB, key-switch and interlock in one compact package. Lasers sold separately.

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Benelux	+31 (30) 280 6060
China	+86 (10) 8215 3600
France	+33 (0)1 8038 1000
Germany/Austria/ Switzerland	+49 (6071) 968 333
Italy	+39 (02) 31 03 951
Japan	+81 (3) 5635 8700
Korea	+82 (2) 460 7900
Taiwan	+886 (3) 505 2900
UK/Ireland	+44 (1353) 658 833

Coherent offers a limited warranty for all OBIS LX/LS Single Laser Remotes. For full details of this warranty coverage, please refer to the Service section at www.Coherent.com or contact your local Sales or Service Representative.