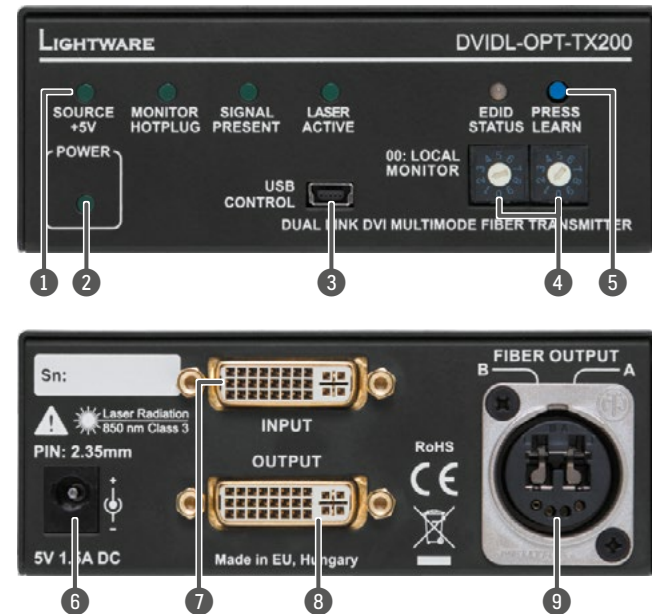




## Quick Start Guide

DVIDL-OPT-RX100  
DVIDL-OPT-TX200

### Front and rear views - Transmitter



### Legend - Transmitter

- Status LEDs** Display source-, signal-, EDID- and other states on the LEDs.
- Power LED** Indicates if the device is powered on.
- USB control** Further EDID settings and firmware upgrade are available via the USB interface.
- Rotary switches** The rotary switches select one of the EDID memory addresses.
- Learn button** Stores the EDID of the display device attached to the output in the selected memory address.
- DC 5V in** Connect the output of the supplied 5V power adaptor or use Lightware's rack mountable power supply unit.
- Input** Connect single link or dual link DVI source with an applicable DVI cable, use a dual link DVI cable when dual link signal to be transmitted. The unit has a minimal cable compensation ability, hence the maximum recommended cable length is 10 m.
- Local output** A local display device can be connected to monitor the outgoing signal. The resolution and pixel clock frequency are the same on the DVI and Neutrik connectors, no internal scaling or conversion is applied to the signal.
- Neutrik connector** Neutrik NO2-4FDW type LC duplex connector. Channel A is used for single link signals. Both channels are used for dual link signals.

### Installation - Transmitter

- Connect the DVI source (e.g. a computer) to the DVI input connector.
- Connect a compatible Lightware fiber receiver unit to the FIBER OUTPUT connector of the transmitter with a multimode fiber cable or use a Neutrik OpticalCON Duo cable.
- Connect a display device to the OUTPUT connector (optional).
- Connect and lock the adaptor firstly to the transmitter then secondly to the socket.
- Select the EDID to emulate depending on the desired display resolution.

### Status LEDs - Transmitter

#### Source +5V

- ON: source is connected.

#### Monitor hotplug

- ON: hotplug signal is detected on the output.

#### Signal Present

- ON: valid DVI signal is present on the input.

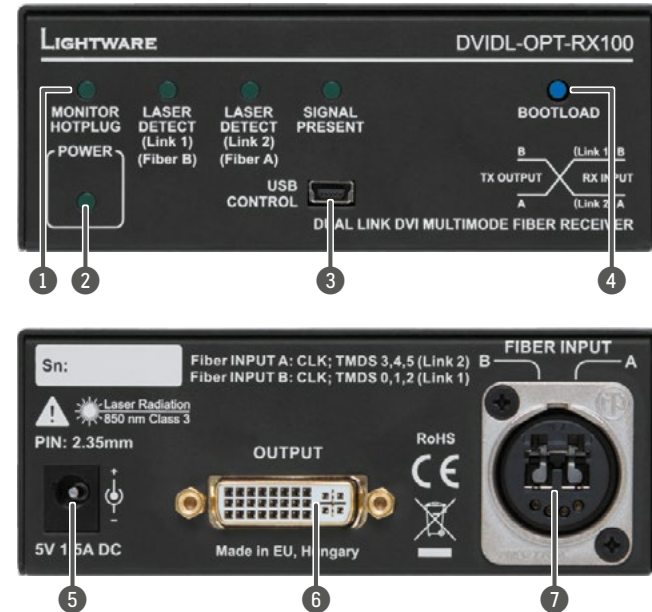
#### Laser active

- ON: the laser driver is enabled.

#### EDID status

- BLINKING: EDID learning was successful (green); not successful (red).
- BLINKING (red/green): The transmitter is in bootload mode.
- ON: invalid EDID is selected (red); valid EDID is selected and emulated on the input (green).

### Front and rear views - Receiver



### Legend - Receiver

- Status LEDs** Display monitor-, signal-, and other states on the LEDs.
- Power LED** Indicates if the device is powered on.
- USB control** Further settings and firmware upgrade are available via the USB interface.
- Bootload button** The receiver can be switched to bootload mode manually if necessary.
- DC 5V in** Connect the output of the supplied 5V power adaptor or use Lightware's rack mountable power supply unit.
- Output** Connect single link or dual link DVI display according to the signal with an applicable DVI cable. The maximum recommended cable length is 10 m.
- Neutrik connector** Neutrik NO2-4FDW type LC duplex connector. Channel A is used for single link signals. Both channels are used for dual link signals.

### Installation - Receiver

- Connect the DVI display device to the DVI OUTPUT connector.
- Connect a compatible Lightware fiber transmitter unit with a multimode fiber cable to the FIBER INPUT connector or use a Neutrik OpticalCON Duo cable.
- Connect and lock the adaptor firstly to the receiver then secondly to the socket.

### Status LEDs - Receiver

#### Monitor hotplug

- ON: hotplug signal is detected on the output.

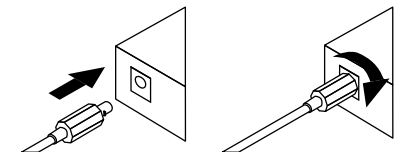
#### Laser LEDs

- ON: laser beam is detected on the channel(s).

#### Signal Present

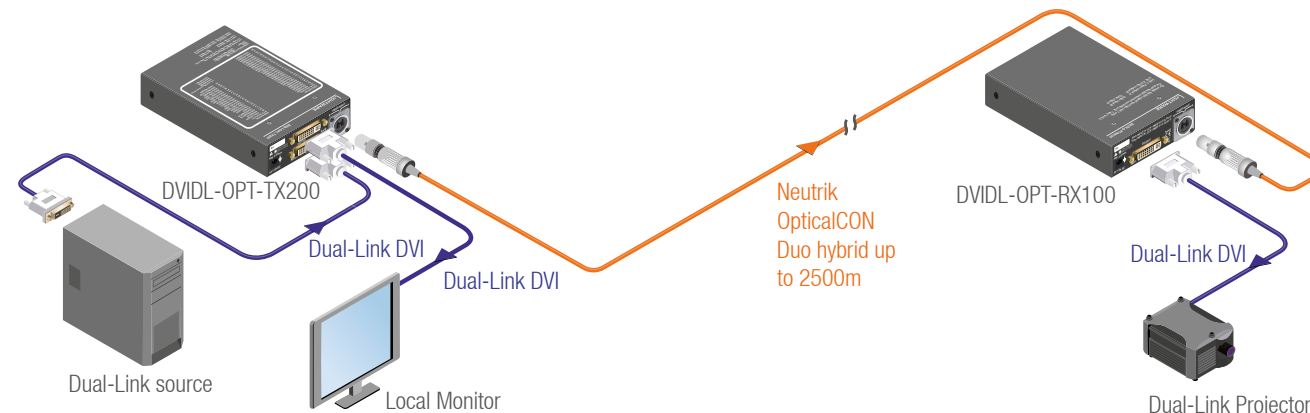
- ON: valid DVI signal is present on the input.

#### Locking DC plug



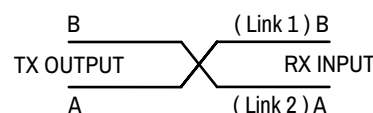
Twist 90° clockwise to lock.

### Typical standalone application



### Single link / Dual link

One multimode fiber cable is enough, when only single link video signal is transmitted to the receiver. Connect two multimode fiber cables or a Neutrik OpticalCON Duo cable when dual link video signal is transmitted.



Link1: Single link signal

Link1+2: Dual link signal

### Further information

The document is valid with the following firmware version: 1.2.2  
The User's manual of this appliance is available at [www.lightware.eu](http://www.lightware.eu).  
See the [Downloads](#) section on the website of the product.

Contact us  
[sales@lightware.eu](mailto:sales@lightware.eu)  
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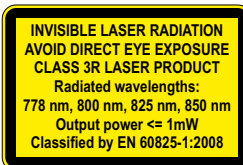
Lightware Visual Engineering LLC.  
Peterdy 15, Budapest H-1071, Hungary

Doc. ver.: 2.0  
19200007

### Important safety instructions

Please read and keep the information in the attached safety instructions supplied with the product before start using the device.

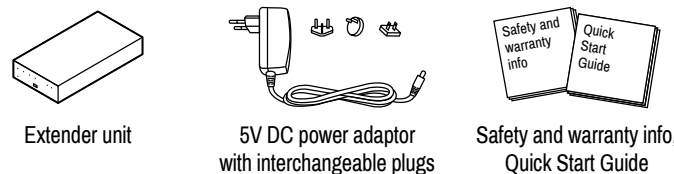
**The extenders are Class 3R laser products.**



### Introduction

DVIDL-OPT-RX200 is a dual link DVI receiver, accepting DVI signal over multimode fiber cable. DVIDL-OPT-TX200 is a dual link DVI transmitter, providing signal extension over multimode fiber cable with advanced EDID management on the front panel.

### Box contents

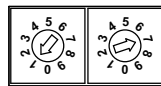


### EDID memory

- Address #00: copy of the last attached monitor's EDID from the local OUTPUT.
- Address #01..#50: factory preset EDIDs supporting the most common resolutions.
- Address #51..#99: user programmable EDID memory.

### Selecting an EDID

- Turn the EDID address rotary switches to the desired position. Use a flat head screwdriver to change the address. The left switch sets the tens value, the right switch gives the ones value of the EDID.



**Avoid the use of keys, coins, knives and other sharp objects.**

- After either one of the rotary switches has been rotated the unit waits approximately two seconds before the selected EDID becomes active.

### EDID learning

- Connect a DVI display device to the DVI OUTPUT of the transmitter.
- Use a screwdriver to select a user programmable memory address on the rotary switches. If the EDID STATUS LED is illuminated red, the memory slot is empty and ready to be programmed. If it is green, the location is not empty, but still available for reprogramming.
- Push the LEARN button on the front side and hold it down for approximately two seconds. If the teaching is successful, the EDID STATUS LED blinks four times green, if the teaching is unsuccessful, it blinks four times red.