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Quick Start Guide

DVI-7311
Single-Link DVI
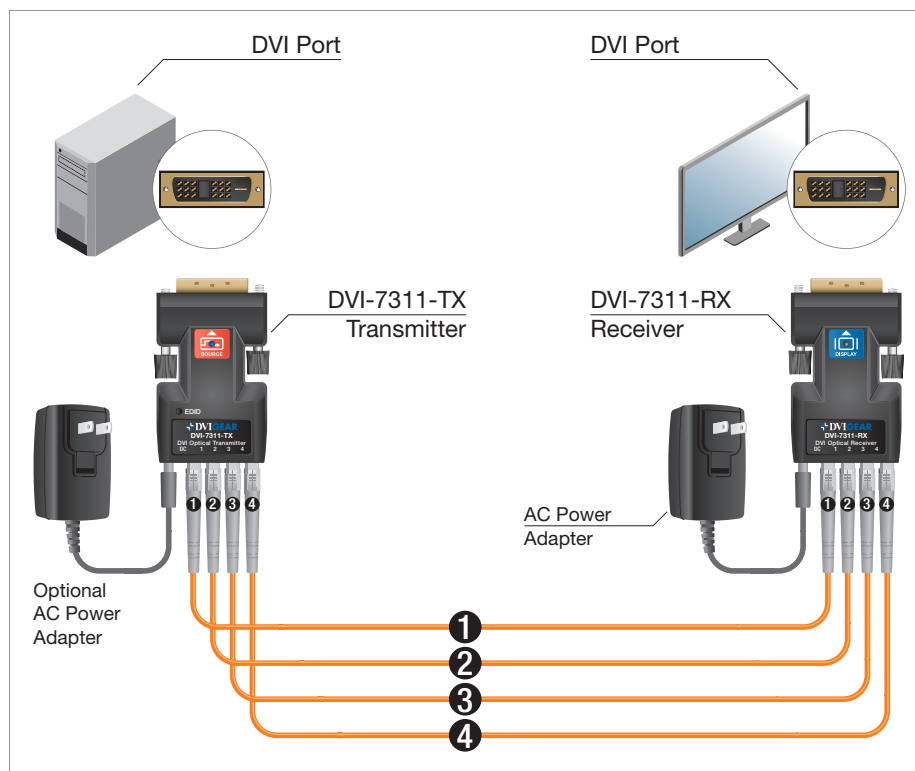## Fiber Optic Extender, 4x LC

Introduction

The DVI-7311 is a Fiber Optic Extender designed to transmit single-link DVI signals over optical fiber cables at distances up to 500 meters (1,640 ft.). This extender provides exceptional signal fidelity and supports a wide range of input resolutions. The unit consists of an optical transmitter module that converts the DVI input signal into high-speed light pulses for transmission over four (4) detachable multi-mode glass fibers and an optical receiver module that converts the light pulses back to a DVI signal for display on a monitor or projector. A programmable memory chip in the transmitter unit captures and stores the EDID from the connected display and presents it to the DVI source device. These features make the DVI-7311 the ideal solution for any application that demands flawless image quality from DVI signals that must be extended over very long cable distances.

Typical Application

DVI-7311 Single-Link DVI Fiber Optic Extender, 4x LC

DVI-7311-TX Top View

DVI-7311-RX Top View

1. DVI Connector	DVI-7311-TX connects to the source; DVI-7311-RX connects to the display
2a. EDID LED	(Transmitter Top side) Illuminates Blue when EDID has been read successfully
2b. POWER LED	(Bottom side) Illuminates Red when DC power is applied
3. Fiber Optic Connectors	4x LC optical connectors for multi-mode fiber optic cables
4. DC IN Connector	Connect the included External AC Power Adapter to this receptacle
5. Learn EDID Button	Depress this switch when following the procedure on page 4

Note: The DVI-7311-TX Transmitter Unit and DVI-7311-RX Receiver Unit use the same type of enclosure and have the same connections.
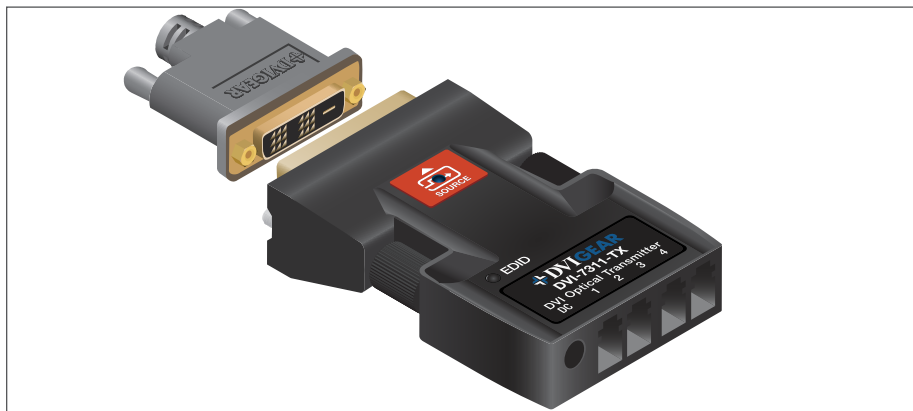
Installation Instructions

This product consists of a DVI-7311-TX Transmitter Unit and a DVI-7311-RX Receiver Unit. The DVI signal components are routed from the Transmitter Unit to the Receiver Unit using a 50/125µ multi-mode fiber cable with 4x LC connectors (see application drawing on page 1).

1. Learn the EDID from the destination device (see instructions on page 4).
2. Connect the Transmitter Unit to the DVI output port of the signal source (e.g. PC).
3. Connect the Receiver Unit to the DVI port of a destination device (e.g. digital display).
4. Each unit has four (4) Optical ports which are marked with the numbers 1, 2, 3 and 4. Connect each strand of the LC terminated fiber optic cable to the corresponding number on both the Transmitter and Receiver Units.
5. Connect the External AC Power Adapter to the power input jack on the Receiver Unit.
6. Apply power to the display device, then apply power to the source device. A picture should appear on the display within a few seconds.

Power Sources

The Receiver Unit **must** draw power from the supplied External AC Power Adapter. It does not draw power from the monitor to which it is connected. The Transmitter Unit however can draw power from the source device for operation. In the event that the source cannot provide adequate power for the transmitter, an optional External AC Power Supply is available (part number DVI-7211-PS).

![DVIGEAR logo]

Learn EDID Button

Depress the Learn EDID Button

Instructions for Learning the EDID from a Display

1. Apply power to the display.

2. Connect the DVI-7311 Transmitter unit to the display's DVI input port.

3. Connect the External AC Power Adapter to the Transmitter unit.

4. Press the EDID button on the top side of the Transmitter unit (page 2 - #5). The BLUE indicator LED (page 2 - #2a) will illuminate briefly when the button is depressed and then flash ON once if the EDID is read successfully.

5. If there is a problem reading the display's EDID, the BLUE Indicator LED will flash ON/OFF rapidly six times. Should this happen, ensure that all connections are secure and attempt the EDID Learn process again.

6. Remove the External AC Power Adapter from the Transmitter unit.

7. Disconnect the Transmitter unit from the display and connect it to the DVI signal source.

8. Follow the Installation Instructions (3-6) listed on page 3.

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