

Velocitydvi

Single-Mode Digital Video Extension System - 3

QUICK START GUIDE

The **Velocitydvi Single-Mode Digital Video Extension System-3** from *Thinklogical™* permits the placement of a digital monitor or projector up to 10 Kilometers away from a controlling computer without loss of resolution. Each system consists of a transmitter and a receiver connected by single-mode fiber optic cable(s). Single-mode fiber is used to provide communications to and from the Transmitter. The Receiver unit provides an interface to the monitor. Installation is plug-and-play and no adjustments are necessary.

Each of the *Thinklogical™* DVI Extender systems are designed for high resolution video extension applications such as remote projection centers, theaters and assembly halls, and for secure computer installations. It is now possible to position the monitor or projector in any setting from office to lecture hall to boardroom while keeping the computer secure in a remote, controlled location.

All physical connections to the product use industry-standard connectors.

Contents

Upon receiving your *Thinklogical™* **Velocitydvi** Extender you should find the following items:

- DVI Extender Transmitter
- DVI Extender Receiver
- DVI-D Male to DVI-D Male Cable, 2 Meter (CBL000009-002MR)
- Two Universal AC Power Adapters
- DVI Extender Product Manual

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STEP 3

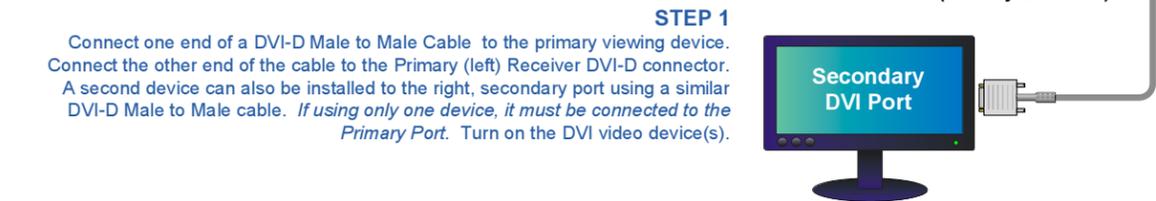
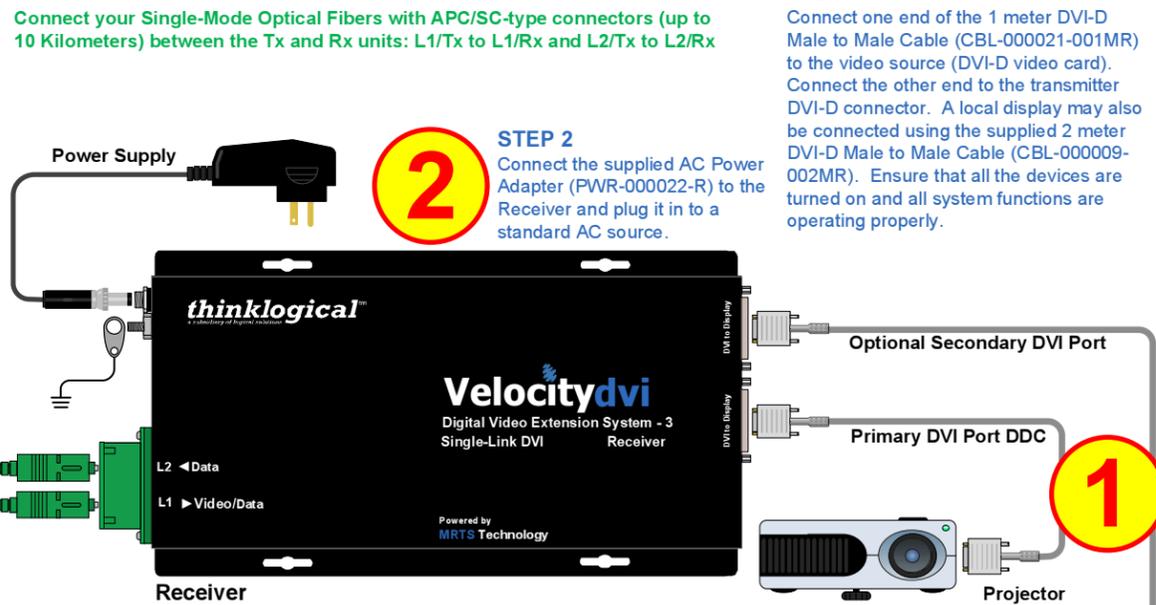
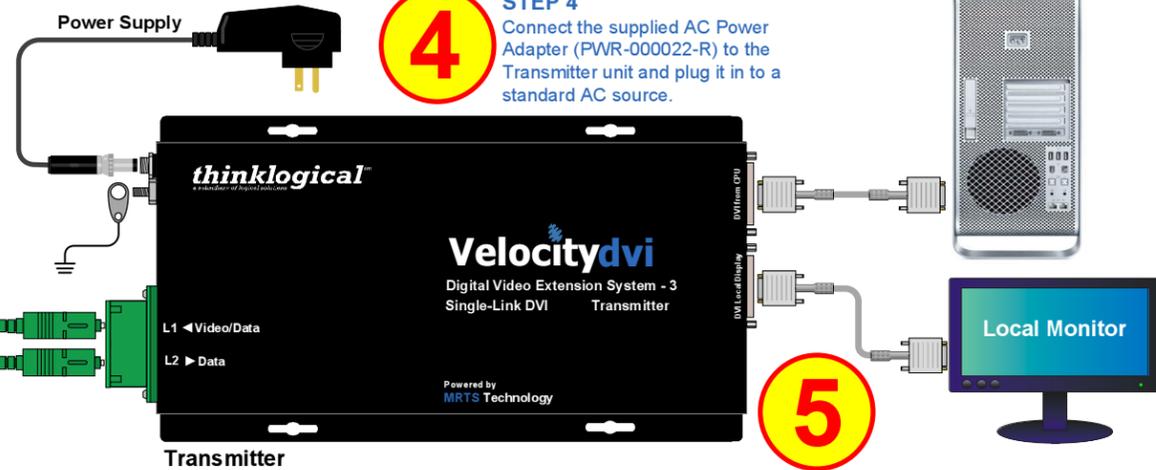
Connect the Single-Mode fiber optic cable between the Transmitter and Receiver Units. Do not kink or pinch the cable and be sure to keep all bend radii to less than 3 inches.

Single Fiber Operation

The system will operate with a single fiber from the Transmitter (Tx) to the Receiver (Rx). In this mode the Tx can transmit video and status LED information to the Rx via Fiber L1. The Rx cannot send information to the Tx and the Rx buttons are inoperative. Also, DDC information can only be gathered from the Tx local port or the *Thinklogical™* default EDID table (see DVI Extender Manual).

Dual Fiber Operation

In this mode, in addition to the information transmitted through L1, information is transmitted from the Rx to the Tx through Fiber L2. Providing a back channel allows the Rx to modify the DDC configuration via the DDC Mode buttons and send it to the Tx. DDC information exchange allows the PC to gather information about the attached monitor to determine its display properties.

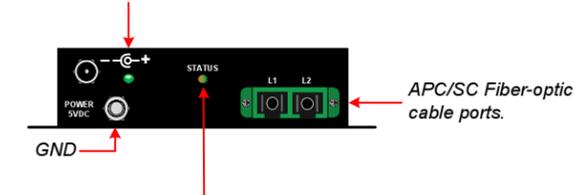


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STEP 5

Connect one end of the 1 meter DVI-D Male to Male Cable (CBL-000021-001MR) to the video source (DVI-D video card). Connect the other end to the transmitter DVI-D connector. A local display may also be connected using the supplied 2 meter DVI-D Male to Male Cable (CBL-000009-002MR). Ensure that all the devices are turned on and all system functions are operating properly.

When lit, the solid green LED indicates that power is applied.



The status LEDs near the USB port on the Tx and Rx units are used to indicate the status of connections to the extender.

Tx Status LED

- **Green** = Fiber L2 is connected and a good link is established.
- **Orange** = Local Static Mode selected and no fiber link from Rx to Tx (L2 is not connected) or both DDC mode buttons are held down and the unit is waiting to reload the default DDC table.
- **Red Flashing** = No Fiber Link from Rx to Tx (Not available in Local Static mode.)

Rx Status LED

- **Green** = Good Link and DVI device connected to primary port (port on left in the diagram below).
- **Orange** = No DVI device connected to primary port.
- **Red Flashing** = No Fiber Link from Tx to Rx (L1 is not connected).

The Primary Port on the Rx is used for DDC. The Secondary Port carries video data only.

Acquire Button

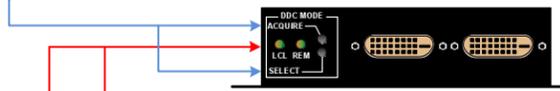
- Used to initiate DDC collection. Works with all modes except Pass-Thru. Must be pressed after switching between DDC modes.

Select Button

- Used to select the DDC mode. The modes will cycle through Remote Dynamic, Remote Static, Pass-Thru and Local Static.

Both Buttons held 5 seconds

- Holding both buttons for 5 seconds will reload the default DDC table into the Tx and switch to Remote Static mode.



LCL	REM	DDC MODE	DESCRIPTION
OFF	GREEN	REMOTE DYNAMIC	EDID READ FROM REMOTE DISPLAY AND UPDATED EACH TIME REMOTE DISPLAY CHANGES.
ORANGE	GREEN	REMOTE STATIC	EDID READ FROM REMOTE DISPLAY WHEN ACQUIRE BUTTON IS PRESSED.
GREEN	GREEN	PASS-THRU	ACTS AS A DIRECT CONNECTION BETWEEN CPU AND DISPLAY. NO EMULATION IS PERFORMED.
GREEN	ORANGE	LOCAL STATIC	EDID READ FROM LOCAL DISPLAY WHEN ACQUIRE BUTTON IS PRESSED.

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