

# Velocitydvi

## Digital Video Extension System - 6

### QUICK START GUIDE

The **Velocitydvi** Digital Video Extension System-6 from Thinklogical™ permits the placement of a dual-link digital monitor or projector up to 1000 meters (3280 feet) away from a controlling computer without loss of resolution. Each system consists of a transmitter and a receiver connected by multi-mode fiber optic cables. Three fibers are used for some DDC modes 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.

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

#### Contents

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

- Dual-link DVI Extender Transmitter
- Dual-link DVI Extender Receiver
- DVI-D Male to Male Dual-link Cable, 2 Meter (CBL00023-002MR)
- Two Universal AC Power Adapters
- DVI Extender Product Manual

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#### STEP 3

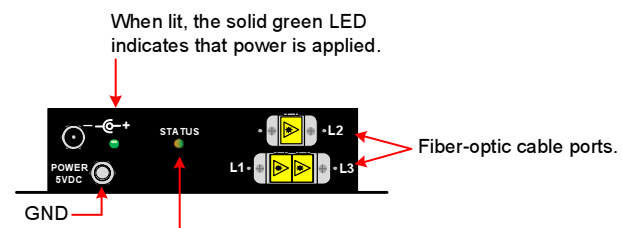
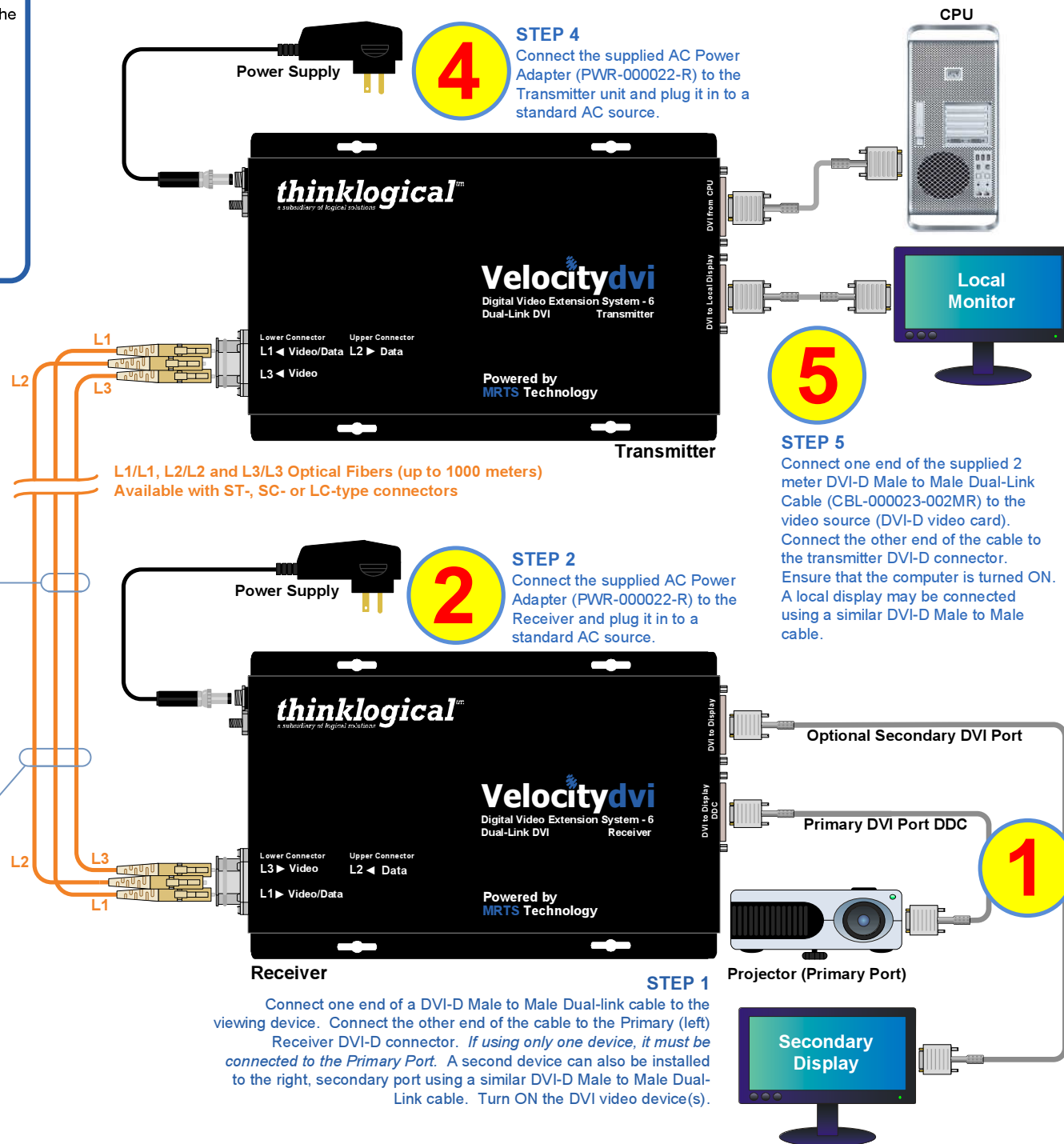
Connect the fiber optic cables between the Transmitter and Receiver Units. Do not kink or pinch the cable and be sure to keep all bend radii to less than 3 inches.

#### Two Fiber Operation

The system will operate with two fibers from the Transmitter (Tx) to the Receiver (Rx). In this mode the Tx can transmit video and status LED information to the Rx via Fibers L1 and L3. 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, page 13).

#### Three Fiber Operation

In this mode, in addition to the information transmitted through L1 and L3, 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.



The status LEDs 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 the left in the diagram below).
- **Orange** = No DVI display connected to primary port.
- **Red Flashing** = No Fiber Link from Tx to Rx (L1 is not connected).

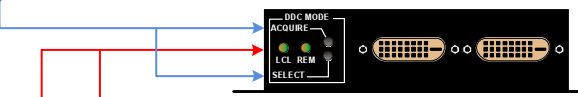
The Primary Port on the Rx is used for DDC. The Secondary Port carries video data only.

#### 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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