Velocitydvi-3 A/V Pro

Digital Video & Balanced Audio Extension System

QUICK START GUIDE

The **Velocitydvi Digital Video/Audio Extension System-3 A/V Pro** from *Thinklogical*™ permits the placement of a digital monitor or projector and audio devices up to 1000 meters (3280 feet) away from a controlling computer and audio sources without loss of resolution. Each system consists of a transmitter and a receiver connected by multi-mode fiber optic cable(s). Dual fiber is used for some DDC modes to provide communications to and from the transmitter. The receiver unit provides an interface to the display and audio devices. Installation is plug-and-play and no adjustments are necessary.

Each of the *Thinklogical*™ **DVI A/V Pro Extension Systems** is designed for high resolution video and audio 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.

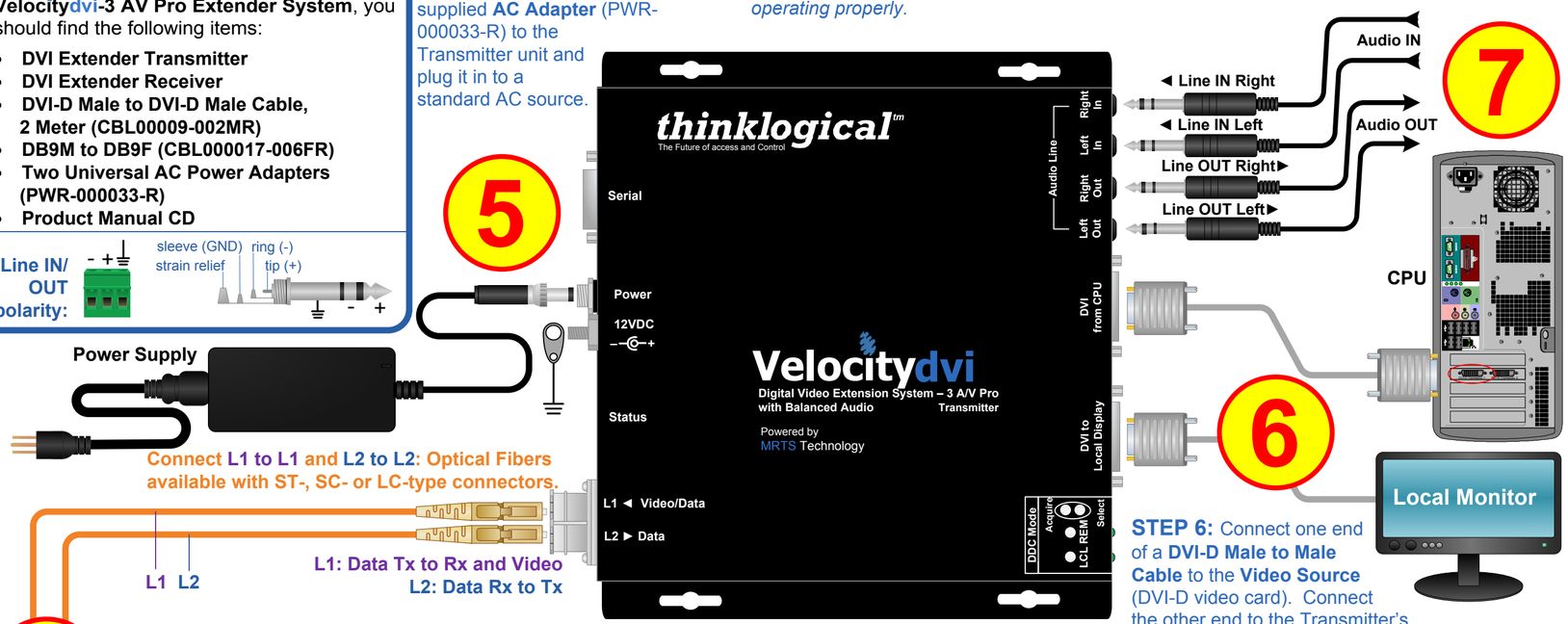
Contents

Upon receiving your Thinklogical™ **Velocitydvi-3 AV Pro Extender System**, you should find the following items:

- **DVI Extender Transmitter**
- **DVI Extender Receiver**
- **DVI-D Male to DVI-D Male Cable, 2 Meter (CBL00009-002MR)**
- **DB9M to DB9F (CBL000017-006FR)**
- **Two Universal AC Power Adapters (PWR-000033-R)**
- **Product Manual CD**

STEP 5: Connect the Ground Lug to chassis ground. Connect the supplied **AC Adapter** (PWR-000033-R) to the Transmitter unit and plug it in to a standard AC source.

STEP 7: Connect the **Lines IN (R & L)** and **Lines OUT (R & L)** audio cables to the appropriate Transmitter ports. *Ensure that all the devices are turned on and all system functions are operating properly.*



Transmitter

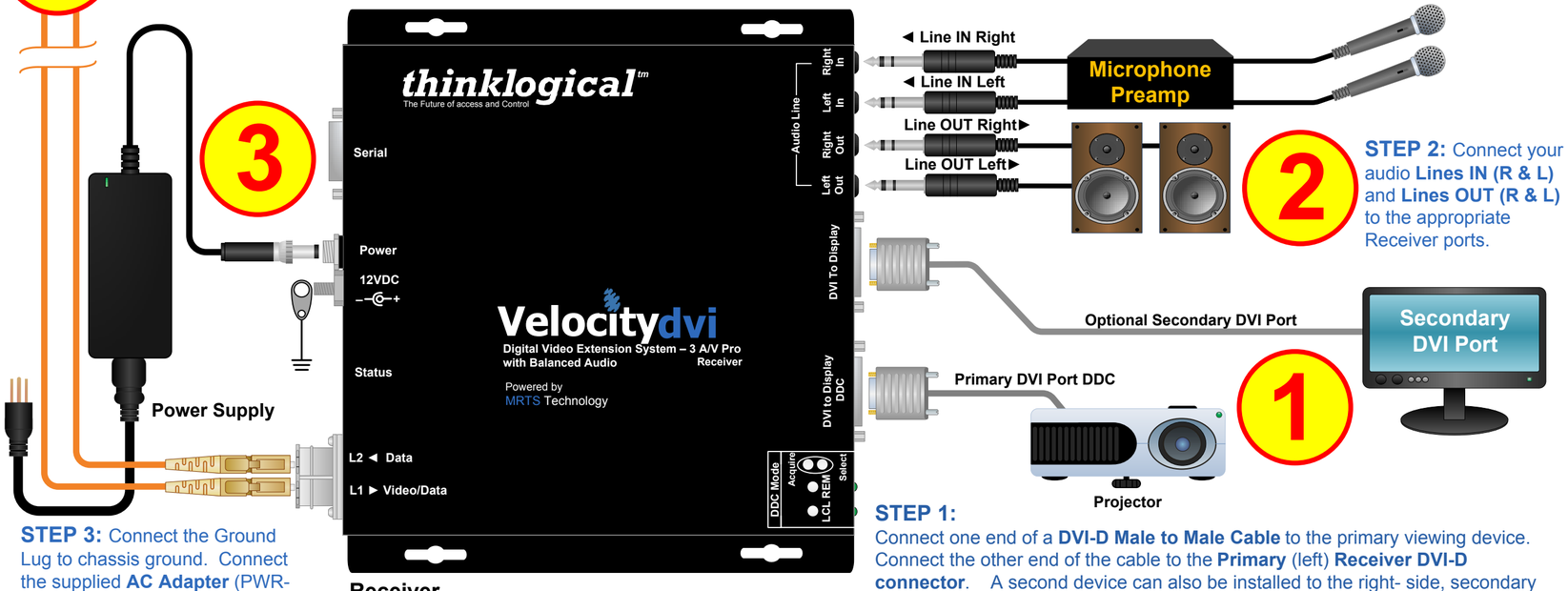
Connect L1 to L1 and L2 to L2: Optical Fibers available with ST-, SC- or LC-type connectors.

L1 L2

L1: Data Tx to Rx and Video
L2: Data Rx to Tx

STEP 6: Connect one end of a **DVI-D Male to Male Cable** to the **Video Source** (DVI-D video card). Connect the other end to the Transmitter's **DVI from CPU** connector. A **local display** may also be connected using the supplied 2 meter DVI-D Male to Male Cable (CBL-000009-002MR).

STEP 4: Connect your **fiber optic cable**, up to 1000 meters (available through Thinklogical™) between the Transmitter and Receiver Units. Do not kink or pinch the cable and be sure to keep all bend radii to no less than 3 inches.

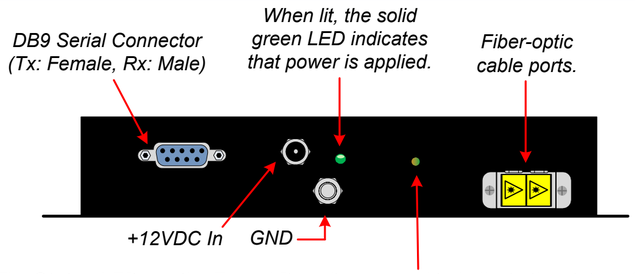


Receiver

STEP 3: Connect the Ground Lug to chassis ground. Connect the supplied **AC Adapter** (PWR-000033-R) to the Receiver and plug it in to a standard AC source.

STEP 2: Connect your audio **Lines IN (R & L)** and **Lines OUT (R & L)** to the appropriate Receiver ports.

STEP 1:
Connect one end of a **DVI-D Male to Male Cable** to the primary viewing device. Connect the other end of the cable to the **Primary** (left) **Receiver DVI-D connector**. A second device can also be installed to the right- side, secondary port using a similar DVI-D Male to Male cable. *If using only one device, it must be connected to the Primary Port.* Turn ON the DVI video device(s).



*The **Status LED**s 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

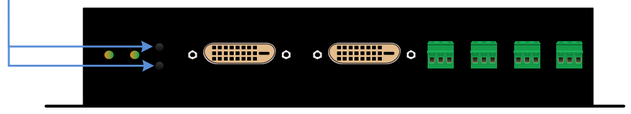
- Used to initiate DDC collection. Works with all modes except Pass-Thru. Must be pressed after switching between DDC modes.

Select Button

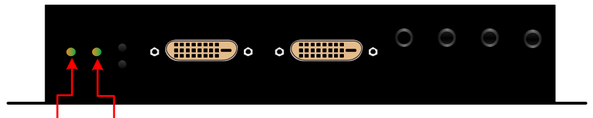
- Used to select the DDC mode. The modes will cycle through Remote Dynamic, Remote Static, Pass-Thru and Local Static.

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.



Available with **3-position Removable Terminal Blocks** (above) or **¼" TRS Jacks** (below).



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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VELOCITY-3AV_Pro_Quick_Start_Rev_A

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