
# An easier way to store the EDID

## Optional Accessories

DVI Cables

## Related Products

DVI Detective (discontinued)

DVI Detective Plus

## DVI Detective N

### Save the EDID. Now easier to use with external controls.

Computers can sometimes lose the EDID -- basically the electronic identification of a display which lists its possible resolutions and frequencies. When displays are switched away or disconnected and then reconnected, the EDID can be lost and the computer can lose the ability to display the image properly.

The DVI Detective solves this problem by memorizing the EDID information. It does this by being programmed in a simple process. Once the DVI Detective has the display's EDID memorized, it can be placed over the output of the computer's video port, where it fools the computer into thinking that a display is present, even when the display is switched away to another computer.

### How It Works

After a simple initial programming step involving only the monitor and the DVI Detective, you simply connect the video source on one side of the DVI Detective and the extension module or switcher on the other side.

External buttons and no power after programming make EDID programming and settings operations a breeze.

**Note:** For custom EDID programming please call (800) 545-6900 for more details.

DVI, HDCP & HDMI Defined

### Features:

- Store EDID information for displays
- Easier to use: External buttons control the programming of an EDID and the protection of the memory inside the unit.
- Keeps computer systems from deactivating inactive DVI ports
- No power required after initial programming step
- Custom Resolutions are available for specific devices
- Buttons on the outside for EDID programming and write-protection
- Use with Gefen DVI extenders to obviate the necessity for DDC CAT-5 lines in computer systems
- Supports resolutions up to 1920x1200, 2K, and 3840x2400 (Dual Link)

### Specifications:

- DVI Connector: DVI-I 29 pin female
- EDID Memory Size: 256 Bytes
- Power Supply: 5V DC
- Power Consumption: 5 watts (max)
- Dimensions: 2.7"W x 1.5"H x 2"D
- Shipping Weight: 1 lbs

### Package Includes:

- 1- foot DVI Dual Link M-M Cable for interfacing to computer video port
- 5V Power Supply
- User's Manual

EXT-DVI-EDIDN

# DVI Detective

## USER MANUAL


www.gefen.com

# ASKING FOR ASSISTANCE

**Technical Support**:

| | |
|---|---|
| Telephone | (818) 772-9100 |
| | (800) 545-6900 |
| Fax | (818) 772-9120 |

**Technical Support Hours:**
8:00 AM to 5:00 PM Monday thru Friday.

**Write To:**

Gefen Inc.
C/O Customer Service
20600 Nordhoff St.
Chatsworth, CA 91311

support@gefen.com
www.gefen.com

**Notice**

Gefen Inc. reserves the right to make changes in the hardware, packaging and any accompanying documentation without prior written notice.

**The DVI Detective** is a trademark of Gefen Inc.

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# INTRODUCTION

The DVI Detective is a unique and useful little device that reads and stores a computer's digital video information (EDID) in order to simplify the installation process for users who are extending a digital projector or plasma display away from the computer.

Once installed and connected, the DVI Detective continually transmits the EDID to the computer, essentially "tricking" the computer into thinking that the video is present, even when it is not connected. The user can then disconnect the display, place it in a remote location and reconnect it, without rebooting the operating system. The entire installation process benefits from the DVI Detective, which utilizes a much smaller cable that requires fewer connections; it makes life easier for those extending digital displays or projectors. An inconspicuous device that weighs less than one pound. The Detective can connect to a DVI port or ADC port with the use of an adapter. It works with all digital displays (DVI) as well as Apple's line of flat panel displays (ADC). Even analog display EDID's can be used with the DVI Detective by using VGA to DVI adapters on the input and output ports of the DVI Detective.

**Features**

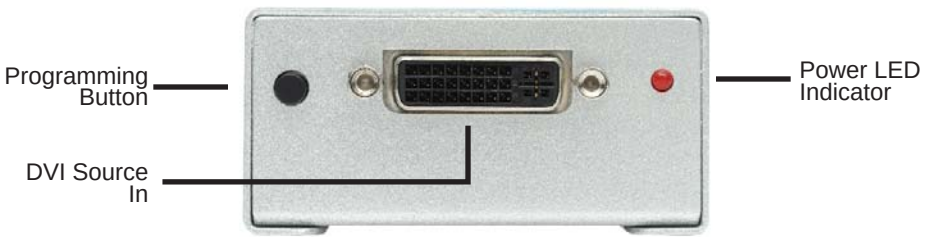
- No power required after initial programming
- Keeps computer systems from deactivating inactive DVI ports
- Maintains highest Single Link and Dual Link resolutions
- Works with all digital and analog displays
- Installs in seconds

**Includes:**

(1) DVI Detective
(1) 1’ DVI cable (m-m)
(1) 5VDC Power Supply
(1) User’s Manual

## PANEL LAYOUT

### Front Panel




### Back Panel

## CONNECTING AND OPERATING THE DVI DETECTIVE

**1.** Before proceeding, please ensure that the write protect switch is in the E (write enabled) position. Please see the diagram on the next page.

**2.** Connect your display to the DVI Out port on the DVI Detective.

**3.** Plug the supplied 5V DC power supply into the DVI Detective. The power LED should be glowing solid.

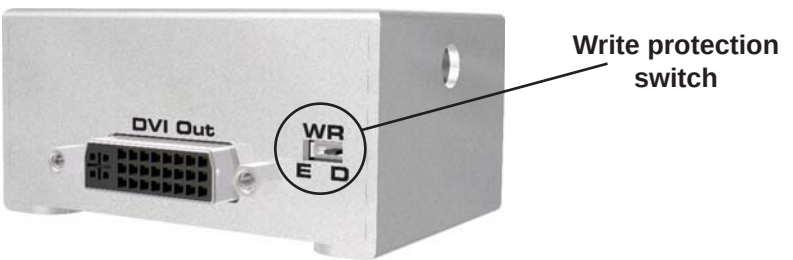
**4.** Once you are ready to program the EDID, press the Program button on the front panel of the DVI Detective to initiate the recording sequence. The power LED will begin to flash, and when it turns solid again, the programming sequence is complete.

**5.** Remove the 5V DC power supply from the DVI Detective. At this time, it is recommended that you write protect the DVI Detective. Please see the next page for instructions on this procedure.

**6.** Connect your source to the DVI In port on the DVI Detective.

Note: If using a PC, restart your computer only after you've made all the connections.

## WRITE PROTECTING THE DVI DETECTIVE




Once the DVI Detective is programmed and working, you can write protect the unit to prevent an accidental overwrite. This is done by simply moving the write protect switch to the D (write disabled) position. By default, the unit is shipped in the E (write enabled) position. This is done so that the unit is ready to be programmed right out of the box. Whenever the unit is going to be programmed, make sure that the switch is in the “E” position, otherwise the procedure will fail.

## SPECIFICATIONS

Video Amplifier Bandwidth ..... 165 MHz

Input Video Signal ..... 1.2 volts p-p

Input DDC Signal ..... 5 volts p-p (TTL)

Maximum Single Link Range ..... 1920 x 1200 x 60hz

DVI Input/Output Connector Type ..... DVI-I

Power Consumption ..... 5 Watts (max.)

Power Supply ..... 5VDC

Dimensions ..... 2”W x 1.7”H x 1.75”D

Shipping Weight ..... 2 Lbs