



**DVI FM Extender**  
USER MANUAL

## ASKING FOR ASSISTANCE

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### 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 Street  
Chatsworth, CA 91311

[www.gefen.com](http://www.gefen.com)  
[support@gefen.com](mailto:support@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 FM Extender** is a trademark of Gefen Inc.

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## OPERATION NOTES

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### READ THESE NOTES BEFORE INSTALLING OR OPERATING DVI FM EXTENDER

- The fiber optics cable must be treated carefully when connectors are exposed. They are susceptible to dust which can contribute to loss of pixels.
- DVI FM Extender works for all DVI displays and supports resolutions up to 1920x1200
- DVI FM Extender is housed in a metal box for better RF shielding.
- Supports DDWG standard for DVI compliant monitors
- Uses the included DVI Detective for EDID information

# INTRODUCTION

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Thank you for purchasing Gefen's DVI FM Extender. The DVI FM Extender allows extension of DVI up to 2000 feet without losing any quality.

## **CONTENTS**

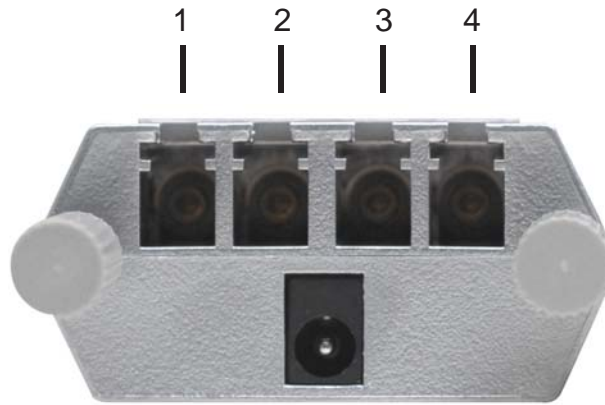
DVI FM Extender consists of:

- (1) DVI FM Sender (Computer (Tx)) Unit
- (1) DVI FM Monitor (Monitor (Rx)) Unit
- (1) DVI Detective
- (1) DVI cable (1FT)
- (1) 5V Power supply for the DVI FM Sender Unit
- (1) 5V Power supply for the DVI Detective
- (1) User's Manual

# DVI FM SENDER PORT DESCRIPTIONS

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## REAR VIEW



Unused

## FRONT VIEW

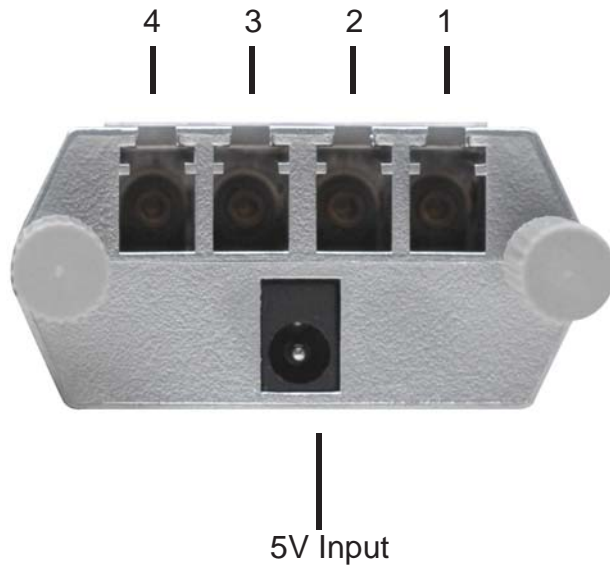


Connects to the  
DVI Output on  
the DVI Detective

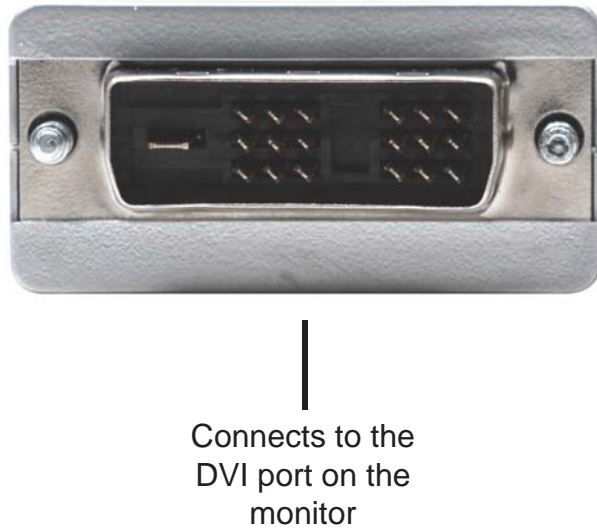
# DVI FM RECEIVER PORT DESCRIPTIONS

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## REAR VIEW



## FRONT VIEW



## HOW TO INSTALL THE DVI FM EXTENDER

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- 1 Program the DVI Detective with your DVI monitor (see page 6 for instructions).
- 2 Connect the DVI Detective Input to the DVI source using the supplied cable
- 3 Connect DVI FM Extender Sender unit directly to the DVI Detective output.
- 4 Connect DVI FM Extender Receiver unit to your DVI display.
- 5 Connect the four fiber optics between the sender and receiver.
- 6 Plug the 5V power supply into DVI FM Extender receiver.
- 7 Power on your source and you should see a beautiful picture.

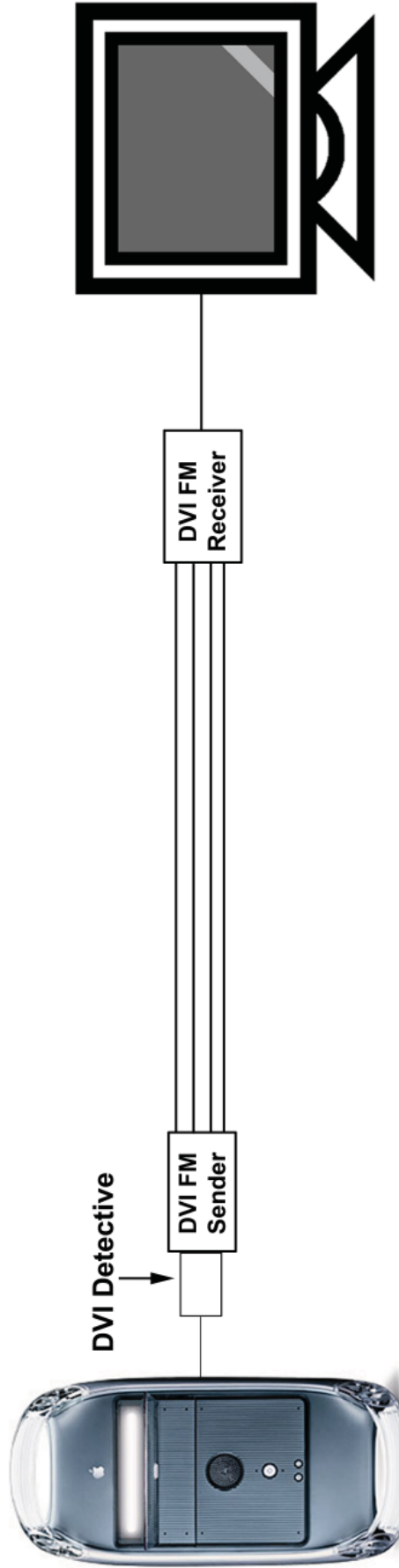
\* Cable Requirement - 50 or 62.5 micron multimode fiber optics cable



# DVI 1000 WIRING DIAGRAM

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**Please note! Connect the DVI FM sender into the source, and connect the DVI FM receiver into the display.  
You must also make sure that the fiber optics cables are going straight across, ie: 1 to 1, 2 to 2, 3 to 3, and 4 to 4.**



## How to Program the DVI Detective

1- Power on your display, and connect your display to the DVI Out on the DVI Detective.

2- Plug the 5V power supply into the DVI Detective, once the LED stops blinking the DVI Detective has finished reading the EDID of the display\*. After programming you will not need to use the power supply again (If your source does not output enough power to drive the DVI FM Sender, powering the DVI Detective will fix the issue).

3- You can now connect the DVI IN on the DVI Detective into your computer with supplied DVI cable, and plug the DVI FM Sender directly into the DVI Detective's DVI Out.

\* If the LED does not stop blinking after 8 seconds of having the power supply connected, try recording with the monitor on with a picture.

## SPECIFICATIONS

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Video Amplifier Bandwidth .....	1.65 GHz
Input Video Signal .....	1.2 volts p-p
Input DDC Signal .....	5 volts p-p (TTL)
Single Link Range .....	1920 x 1200
DVI Input/Output Connector Type .....	DVI-D (19 pin) male
Fiber Requirement .....	50 or 62.5 micron multimode fiber
Link Connector .....	LC
Power Consumption .....	2.5 Watts (max.)
Power Supply .....	5V DC
Dimensions .....	3.25"D x 0.75"H x 1.5 "W
Shipping Weight .....	5 Lbs

## WARRANTY

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Gefen Inc. warrants the equipment it manufactures to be free from defects in material and workmanship.

If equipment fails because of such defects and Gefen Inc. is notified within one (1) year from the date of shipment, Gefen System will, at its option, repair or replace the equipment, provided that the equipment has not been subjected to mechanical, electrical or other abuse or modifications.

Equipment that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for ninety (90) days from the day of shipment to the Buyer.

This warranty is in lieu of all other warranties expressed or implied, including without limitation, any implied warranty or merchantability or fitness for any particular purpose, all of which are expressly disclaimed.

The information in this manual has been carefully checked and is believed to be accurate. However, Gefen Inc. assumes no responsibility for any inaccuracies that may be contained in this manual. In no event will Gefen Inc., be liable for direct, indirect, special, incidental, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. The technical information contained herein regarding DVI FM Extender features and specifications is subject to change without notice.