



**DVI•1000ST**  
**Extender**  
USER MANUAL

[www.gefen.com](http://www.gefen.com)

## ASKING FOR ASSISTANCE

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### Notice

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

**The DVI 1000 ST** is a trademark of Gefen Inc.

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## **OPERATION NOTES**

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### **READ THESE NOTES BEFORE INSTALLING OR OPERATING THE DVI 1000 ST**

- The fiber optics cable must be treated carefully when connectors are exposed. They are susceptible to dust which can contribute to loss of pixels.
- The DVI 1000 ST works for all DVI displays and supports resolutions up to 1920x1200
- The DVI 1000 ST is housed in a metal box for better RF shielding.
- Supports DDWG standard for DVI compliant monitors
- Uses CAT-5 cable for HDCP/DDC and control signals.

# INTRODUCTION

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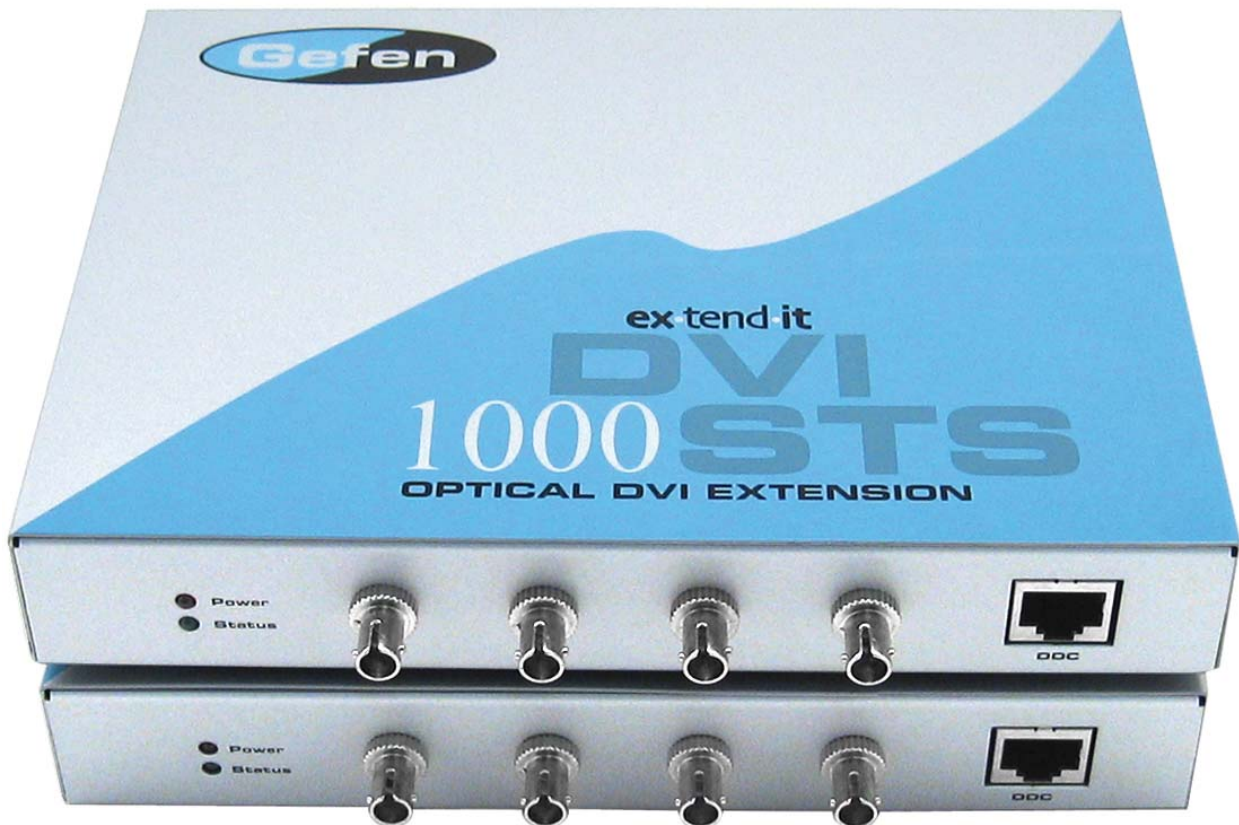
The extend•it DVI•1000ST extends your DVI display up to 500 meters (1640 ft) from your source. It's equipped with ST fiber optic connectors designed to withstand the extensive use that takes place in rental and staging markets. Like the DVI-1000 HD, this model delivers an easy, reliable and advanced method of high definition video extension while maintaining resolutions up to 1080p or 1920x1200 for computers.

The DVI•1000STS sender unit connects to your computer, set-top box or DVD player with the supplied cables. The DVI•1000STR receiver unit connects to your DVI display - up to 500 meters (1640 ft) away. A four strand fiber optic cable and one CAT5 cable connect the sender (source) to the receiver (display).

## CONTENTS

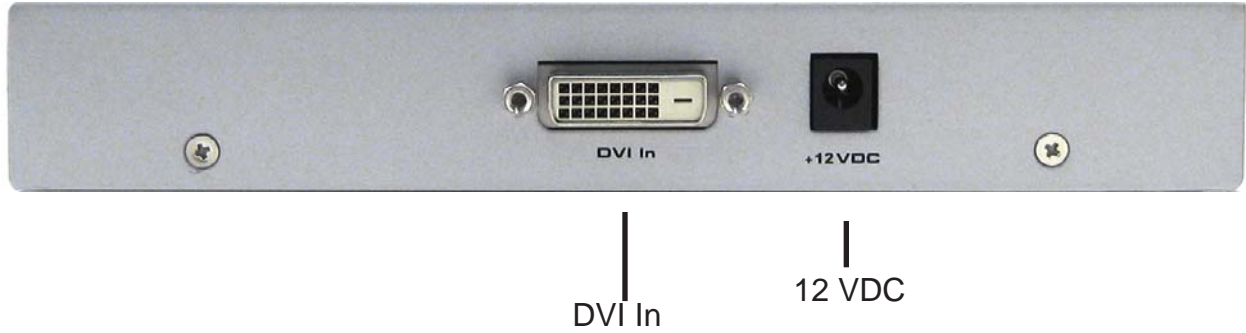
The DVI 1000 ST consists of:

- (1) DVI 1000 STS
- (1) DVI 1000 STR
- (1) DVI cable (6FT)
- (1) 12VDC Power Supply
- (1) User's Manual



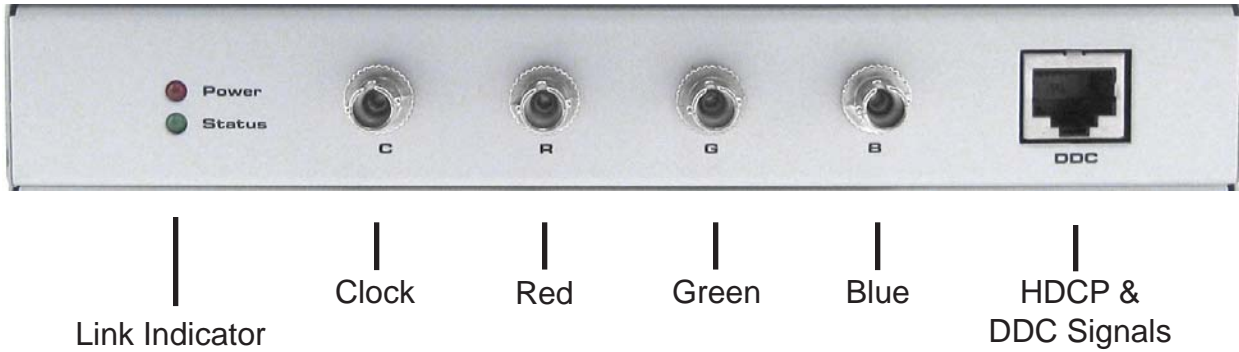
# DVI 1000STS PANEL DESCRIPTIONS

## DVI 1000 STS (Front View)



## DVI 1000 STS (Rear View)

Power LED indicates the unit is powered



# DVI 1000STR PANEL DESCRIPTIONS

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## DVI 1000 STR (Front View)



DVI Out

12 VDC

## DVI 1000 STR (Rear View)

Power LED indicates the unit is powered



Link Indicator

Red

Clock

Blue

Green

HDCP & DDC Signals

## HOW TO CONNECT THE DVI 1000 ST

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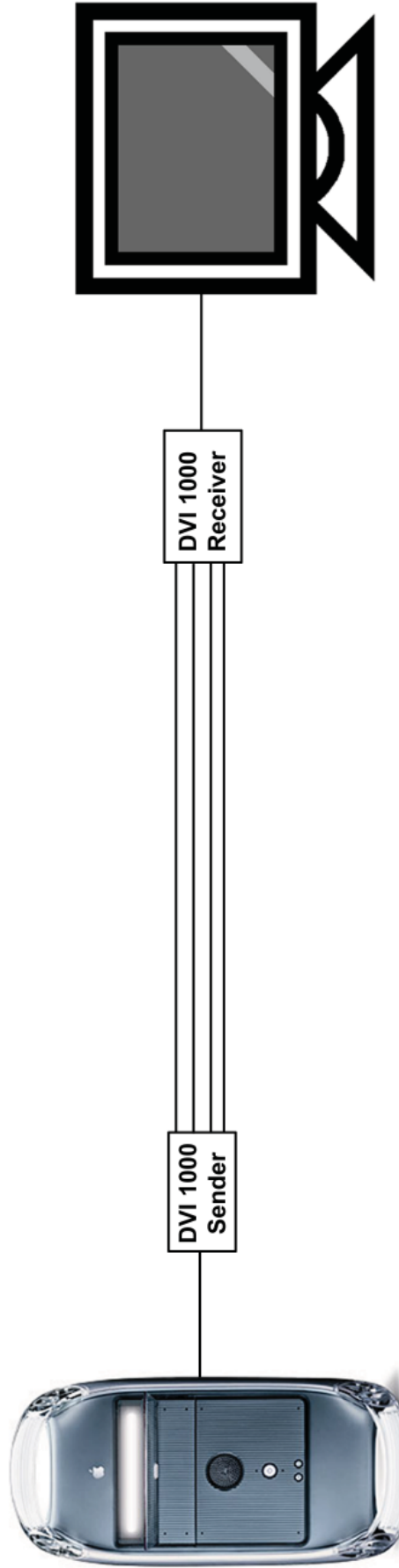
- 1 Connect the DVI 1000 ST sender unit to the DVI source using the supplied cables.
- 2 Connect the DVI 1000 ST receiver unit to your DVI display.
- 3 Connect the four fiber optics and one CAT5 cable between the sender and receiver.
- 4 Plug the 12VDC power supplies into the DVI 1000 ST receiver.
- 5 You should see a beautiful picture.

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

# DVI 1000 ST WIRING DIAGRAM

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Please note! Connect the DVI 1000 sender into the source, and connect the DVI 1000 receiver into the display.  
You must also make sure that the fiber optics cables are going straight across, ie: R to R, G to G, B to B, and C to C.



# CAT5 LINK CABLE - WIRING DIAGRAM

**RJ-45 Jack**



**White/Orange**

**Orange**

**White/Green**

**Blue**

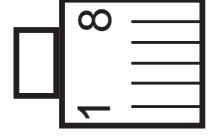
**White/Blue**

**Green**

**White/Brown**

**Brown**

**RJ-45 Jack**



## 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
Link Connector .....	RJ-45
Power Consumption .....	15 Watts (max.)
Power Supply .....	12VDC
Dimensions .....	8.25"D x 9.125 "W x 1.25"H
Shipping Weight .....	10 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 two (2) year from the date of shipment, Gefen Inc. 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 reshipment 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.

1. Proof of sale may be required in order to claim warranty.
2. Customers outside the US are responsible for shipping charges to and from Gefen.
3. Copper cables are limited to a 30 day warranty and cable must be free from any scratches, markings, and neatly coiled.

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 the DVI 1000 ST features and specifications is subject to change without notice.