



VGA Extender LR
USER MANUAL

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

www.gefen.com
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 VGA Extender LR is a trademark of Gefen Inc.
Macintosh is a trademark of Apple Computer Inc.

TABLE OF CONTENTS

1	INTRODUCTION
2	OPERATION NOTES
3	INSTALLATION INSTRUCTIONS
4	HOW TO ADJUST THE PICTURE
5	CAT5 WIRING DIAGRAM
6	WIRING DIAGRAM
7	SPECIFICATIONS
8	WARRANTY

INTRODUCTION

Thank you for purchasing the new extend•it VGA Extender LR by Gefen, Inc.

The extend•it VGA Extender LR by Gefen allows users the benefits of extending VGA signals beyond the desktop. The VGA Extender LR series can be used to extend a VGA signal to cover the distance of 330 feet. Industry standard Category 5 (CAT-5) cable is used for the extension.

CONTENTS

The VGA Extender LR system consists of:

- (1) VGA Extender LR sender unit
- (1) VGA Extender LR receiver unit
- (1) 5 VDC power supply
- (1) VGA M-F cables (6FT)
- (1) User Manual

HOW IT WORKS

In its most basic application, the VGA Extender LR sender resides next to the computer. With the supplied VGA cable, the VGA Extender LR sender is connected to the computer. The VGA Extender LR receiver is then placed next to the monitor or projector. Industry standard Category 5 (CAT-5) cable is used to link the VGA Extender LR sender and VGA Extender LR receiver together.

OPERATION NOTES

READ THESE NOTES BEFORE INSTALLING OR OPERATING THE VGA EXTENDER LR SYSTEM

- Use industry standard Category-5 (CAT-5) cable to operate the VGA Extender LR system. CAT-5e cable is preferred.
- Please connect all the cables between the computer and the VGA Extender LR before powering up the VGA Extender LR unit.
- The VGA Extender LR units are housed in a metal box for better RF shielding.

INSTALLATION INSTRUCTIONS

1. Connect the VGA Extender LR sender unit to the VGA output on the back of your computer. The six foot M-F VGA cable connects the CPU and sender unit together.
2. Connect the VGA Extender LR receiver unit to your monitor with the VGA cable that is attached to your monitor.
3. Connect the CAT5 cable between the VGA Extender LR sender and receiver's CAT5 input.
4. Plug the 5 volt power supply into the sender unit. The VGA Extender LR receiver will draw power from the sender.

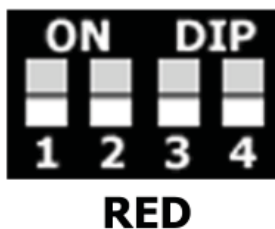
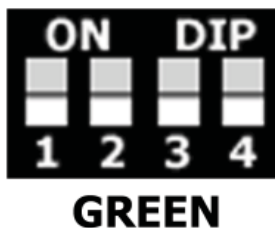
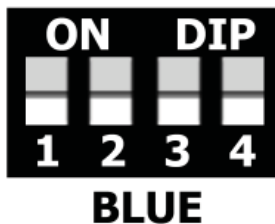


HOW TO ADJUST THE PICTURE

The first step in adjusting the video quality is to display text and a graphic on your monitor (i.e. desktop icons). Then set your computer to the resolution that you will be using most frequently. The dip switches are used to set the focus and sharpness of the picture to the best possible setting. Set the dip switches to the settings that are recommended for the different lengths of CAT5 cable (see chart below). Verify that the picture quality is to your satisfaction. If the recommended setting does not produce a great quality picture, try using a different dip switch setting. The trim pod next to the VGA connector on the VGA Extender LR-R allows brightness adjustments for video.

0-25 Feet	All dip switches OFF for all colors.
26-100 Feet	Set dip switch #1 ON all colors. 2,3,4 remain OFF.
101-200 Feet	Set dip switch #2 ON all colors. 1,3,4 remain OFF.
201-300 Feet	Set dip switch #3 ON all colors. 1,2,4 remain OFF.
301 Feet and Up	Set dip switch #4 ON all colors. 1,2,3 remain OFF.

NOTE: The dip switches are set to the OFF position when the switch is closest to the number or in the down position.



RJ-45 Jack



White/Orange

Orange

White/Green

Blue

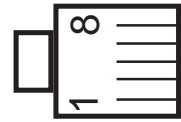
White/Blue

Green

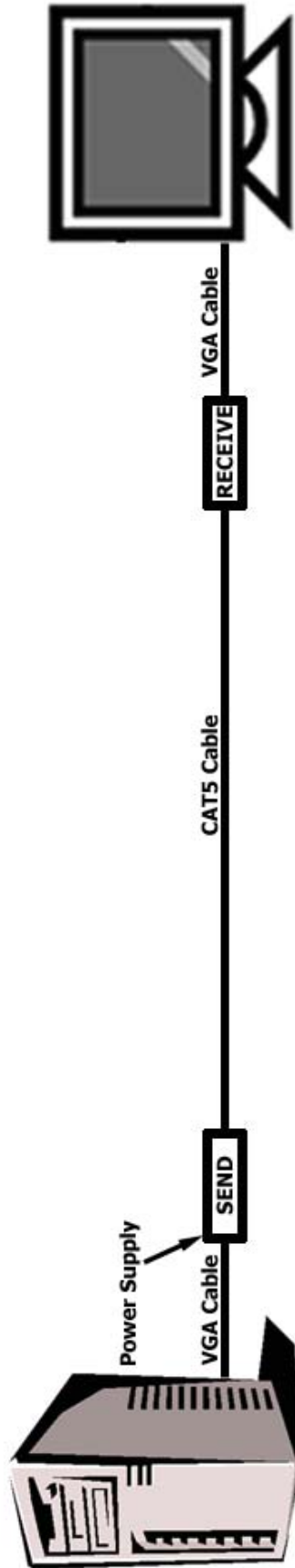
White/Brown

Brown

RJ-45 Jack



WIRING DIAGRAM



SPECIFICATIONS

Video Amplifier Bandwidth	350 MHz
Actual Bandwidth	120 MHz
Input Video Signal	1.2 Volts p-p
Video In	HD-15
Focus	25 to 450 FT
Video out	HD-15
Link Connector	RJ-45
Power Consumption	1 Amp
Power Supply	5VDC (External)
Dimensions	1.9"H x 1.6"W x 3.5"D
Shipping Weight	2 Lbs

WARRANTY

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 VGA Extender LR features and specifications is subject to change without notice.