



**1x8 VGA
CAT-5 DA
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 through Friday PST.

Write To:

Gefen Inc.
c/o Customer Service
20600 Nordhoff St
Chatsworth, CA 91311

www.gefen.com
support@gefen.com

Notice

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OPERATION NOTES

READ THESE NOTES BEFORE INSTALLING OR OPERATING THE 1X8 VGA CAT5 DA SYSTEM

- Use industry standard Category-5 (CAT-5) cable to operate the 1x8 VGA CAT5 DA system. CAT-5e cable is preferred.
- Please connect all the cables between the computer and the 1x8 VGA CAT5 DA system before powering up the 1x8 VGA CAT5 DA Sender unit.
- The 1x8 VGA CAT5 DA units are housed in a metal box for better RF shielding.

INTRODUCTION

Congratulations on your purchase of the ex•tend•it 1x8 VGA CAT5 Distribution Amplifier. Your complete satisfaction is very important to us.

Gefen's line of computer switchers, extenders, and splitters are designed to make your A/V setup more comfortable, more productive and more affordable.

The 1x8 VGA CAT5 DA allows one VGA source to be distributed on up to eight displays. The 1x8 VGA CAT5 DA also extended VGA signals over 330 feet using industry standard Category 5 (CAT-5) Cable. All output displays will have mirrored images.

The ex•tend•it line offers solutions for home theater, A/V installation, data center, information distribution, conference room presentation, school and corporate training environments.

Our Commitment

Gefen will always offer the finest quality product at the best possible price. Included in that price is a lifetime support from a team of outstanding engineers.

How it Works

Simply connect your VGA video source to the 1:8 VGA CAT5 Distribution Amplifier's input using the supplied VGA cable. Then connect up to eight VGA displays to the VGA CAT5 receivers over 330 feet using CAT-5 Cable. Then power the 1:8 VGA CAT5 Distribution Amplifier and the receivers will get power from the CAT5. Note: VGA output 1 is the primary connection and is used for the main display. VGA output 2 through 8 follow the main display. The VGA displays attached to the 1:8 VGA CAT5 Distribution Amplifier MUST have the same native resolution in order to get a picture.

FEATURES

Features

- Distributes easily up to eight VGA displays
- Extends each display up to 330 feet
- Maintains up to 1920 x 1280 resolutions
- Maintains 480i, 480p, 720p, 720i, and 1080i, 1080p resolutions
- Distributes and extends VGA or Component
- Installs in seconds

Includes:

- (1) 1x8 VGA CAT5 DA
- (1) 6' VGA cables (m-f)
- (1) 5V6A DC Power Supply
- (1) Users Manual

SENDER PANEL DESCRIPTIONS



Power LED



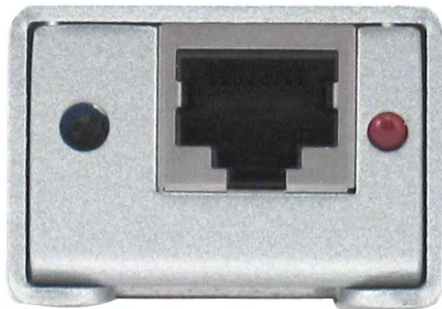
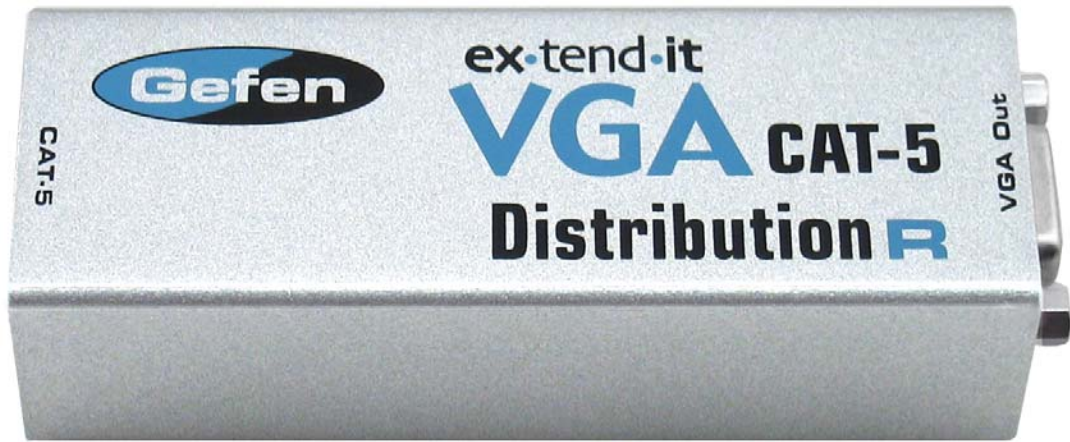
Connects to
5VDC power
supply

Video CAT5
Out 1-4

VGA Input

Video CAT5
Out 5-8

RECEIVER PANEL DESCRIPTIONS



EQ Knob Video CAT5 In Power LED



VGA Out

CONNECTING AND OPERATING THE 1X8 VGA CAT5 DA

How to Connect the 1x8 VGA CAT5 DA to your devices

- 1** Connect the supplied VGA cable from the VGA video source into the 1x8 VGA CAT5 DA Sender "VGA In".
- 2** Connect a CAT-5e* cable from the "CAT5 Video Outs" on the 1x8 VGA CAT5 DA Sender to the "CAT5 Inputs" on the VGA CAT5 Distribution Receiver. (Repeat for each Receiver unit)
- 3** Connect the VGA cable from the display to the "VGA Out" on the VGA CAT5 Distribution Receiver. (Repeat for each Receiver unit)
- 4** Plug the 5VDC power supply into the 1x8 VGA CAT5 DA 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 1x8 VGA CAT5 DA 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.



BLUE

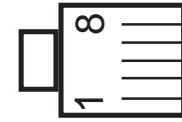
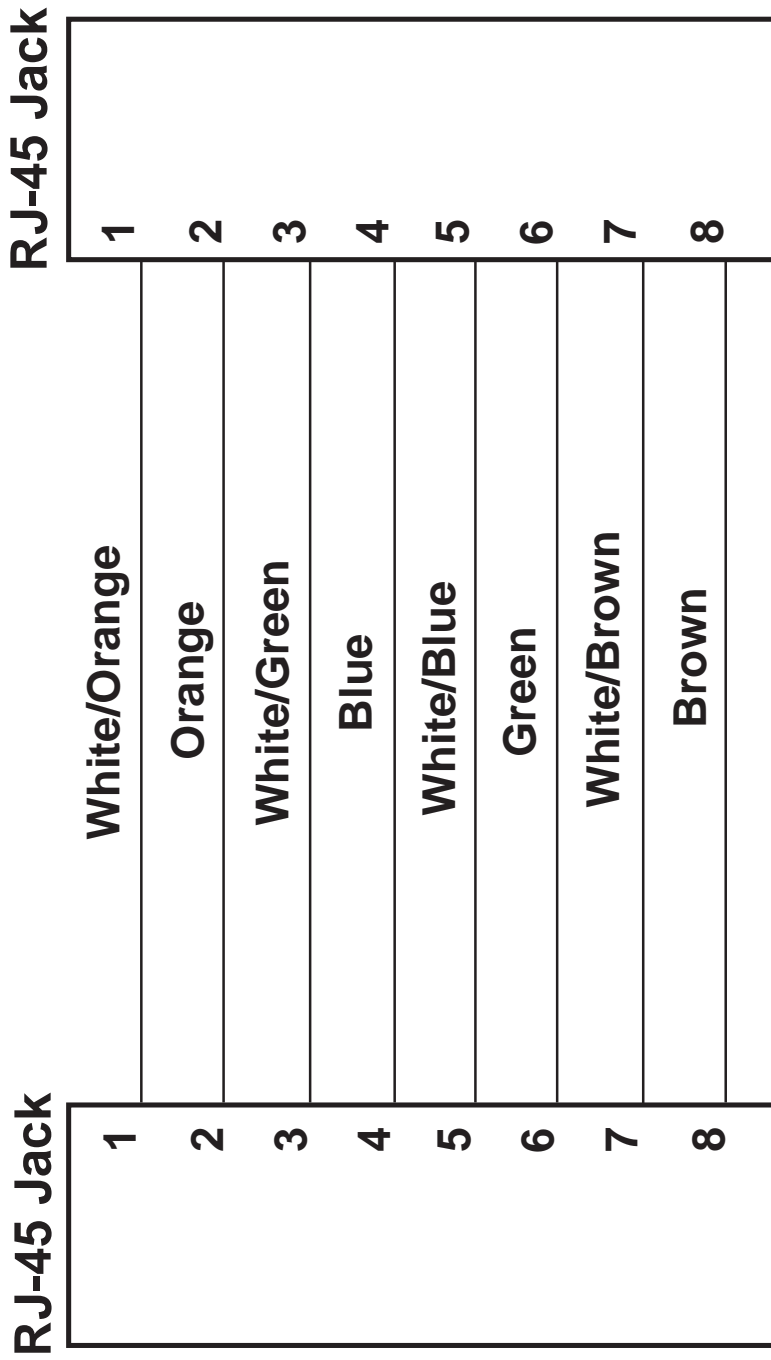


GREEN



RED

CAT5 WIRING DIAGRAM



SPECIFICATIONS

Video Amplifier Bandwidth	350 MHz
Actual Bandwidth	120 MHz
Input Video Signal	1.2 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Horizontal Frequency Range	15 - 70 KHz
Vertical Frequency Range	30 - 170 KHz
Single Link Range	1080p / 1920 x 1200
Input Connector Type	HD-15
Output Connector Type	HD-15
Link Connector Type	RJ-45
Power Consumption	30 Watts (max.)
Power Supply	5VDC
Dimensions	8.875"W x 1.625"H x 4.4"D
Shipping Weight	4 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 1x8 VGA CAT5 DA features and specifications is subject to change without notice.