



# Distribute one VGA source to four displays

## Optional Accessories



VGA Cables

## 1:4 VGA Hub

### One VGA Input, Four VGA Outputs

The 1:4 VGA Hub allows a computer with a VGA graphic card to connect to up to four VGA compatible monitors or projectors at the same time. Because it allows one computer to drive multiple monitors for simultaneous viewing, you can use it to set up additional monitors in the workspace, or to assist presentation environments by sending graphics to both monitors and projectors at the same time.

### How It Works

You simply connect your computer's VGA graphic port to the 1:4 VGA Hub's input using the supplied cable. Up to four analog monitors or projectors are connected to the Hub's four VGA outputs. VGA output 1 is the primary connection and is used for the main display. VGA output 2, 3 and 4 will mirror the primary connection.

### Features:

- Easily distribute one source to four simultaneous displays
- Supports component video distribution
- Supports resolutions up to 1080p, 2K, and 1920 x 1200
- Allows four monitors to be connected to the same video source at the same time

### Specifications:

- VGA Amplifier Bandwidth: 350 MHz
- Input Video Signal: 1.2 Volts p-p
- Input Sync Signal: 5 Volts p-p (TTL)
- Horizontal Frequency Range: 15 - 70 KHz
- Vertical Frequency Range: 30 - 170 Hz
- Supports all VESA standard resolutions
- Input VGA Connector: HD-15 male
- Output VGA Connector: HD-15 female
- Power Supply: 5V DC
- Power Consumption: 5 watts (max)
- Dimensions: 1"H x 5.75"W x 2.5"D
- Shipping Weight: 4 lbs.

### Package Includes:

- 1:4 VGA Hub
- One 6ft VGA cable (M-F)
- 5V external power supply



EXT-VGA-145



**VGA Hub**  
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](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.

**VGA Hub** is a trademark of Gefen Inc.

# TABLE OF CONTENTS

---

- 1 Introduction
- 2 Features
- 3 Panel Descriptions
- 4 Connecting and Operating the VGA Hub
- 5 Specifications
- 6 Warranty

# INTRODUCTION

---

Congratulations on your purchase of the ex•tend•it VGA Hub. Your complete satisfaction is very important to us.

Gefen's line of HDTV switches, extenders, and splitters are designed to make your A/V equipment use more comfortable, more productive and less expensive.

Gefen's ex•tend•it VGA Hub is a distribution hub that sends the same video output to two or more HDTV digital screens. It is a flexible solution that accommodates multiple displays. When two or more VGA Hubs are connected together, they can be used to create a larger distribution.

The VGA Hub is connected using a VGA cable from the VGA source to the VGA Hub input. There are four VGA outputs. VGA output 1 is the primary connection and is used for the main display. VGA output 2-4 follows the main display.

The ex•tend•it line offers solutions for noise, space and security concerns, data center control, 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 of support from a team of outstanding engineers.

# FEATURES

---

## Features

- Connects computers with VGA graphics to four VGA compatible monitors
- Allows four VGA displays to be connected at the same time to the same video source
- Maintains highest video resolution up to 1920 x 1200
- Installs in seconds

## Includes:

- (1) VGA Hub
- (1) 6' VGA cable (M-F)
- (1) 5VDC Power Supply
- (1) Users Manual

# PANEL DESCRIPTIONS



VGA Out 1      VGA Out 2      VGA Out 3      VGA Out 4



5v Power Input      VGA In

## CONNECTING AND OPERATING THE VGA Hub

---

### How to Connect the VGA Hub to your devices

- 1- Connect the supplied VGA cable from the VGA device into the VGA Hub Input.
- 2- Connect the cables from your displays (monitor or projector) into the VGA Out slots in the back of the VGA Hub
- 4- Plug the 5v power supply into the VGA Hub.
- 5- Plug the 5v wall-mount power supply into the wall outlet.



# SPECIFICATIONS

---

Video Amplifier Bandwidth .....	350 MHz
Input Video Signal .....	1.2 volts p-p
Maximum Range .....	1920 x 1200
Power Consumption .....	15 Watts (max.)
Power Supply .....	5VDC
Dimensions .....	5.75"W x 1"H x 2.5"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 VGA Hub features and specifications is subject to change without notice.