



# **1:2 VGA Hub**

**EXT-VGA-142N  
USER MANUAL**



## ASKING FOR ASSISTANCE

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### Notice

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**Rev A2**

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## INTRODUCTION

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The 1:2 VGA Hub allows computers with VGA graphic cards to display a picture on two VGA displays or projectors simultaneously, making it perfect for presentations where the operator uses a small monitor at the computer while the audience views the image on a second larger display or projector.

### How It Works

The 1:2 VGA Hub is connected to a PC video source with a VGA (male to female) cable from the computer's VGA graphics card port to the VGA Hub's input connector.

There are two VGA outputs on the 1:2 VGA Hub. VGA output one is the Primary connection, which queries the Primary Display attached to it and determines the possible video resolutions, timings and frequencies that can be used to create a picture. This information is called EDID (Extended Display Identification Data).

VGA output two is connected to the second (Secondary) display and creates an image by following the EDID settings obtained from the first (Primary) display; therefore, both displays should be capable of the same resolutions and refresh rates in order to display an identical picture. For more information regarding EDID, please read the Operation Notes immediately below this paragraph.

## OPERATION NOTES

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### READ THESE NOTES BEFORE INSTALLING OR OPERATING THE 1:2 VGA HUB

- Display information (EDID) is not sent back to the source. Standard VESA resolutions should be output by most computers without the need of an EDID. If using a non-VESA standard resolution or if EDID is needed, an EDID storage and relay device is necessary. Gefen recommends the use of a DVI Detective (part# EXT-DVI-EDID, EXT-DVI-EDIDN, or EXT-DVI-EDIDP) with two VGA to DVI adapters.

# FEATURES

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## Features

- Connects computers with VGA graphics to two VGA compatible monitors
- Allows two VGA displays to be connected at the same time to the same video source
- Simultaneous display at local and remote locations
- Maintains highest video resolution up to 1920 x 1200 and 1080p
- Installs in seconds

## Includes:

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



PANEL DESCRIPTIONS

Front



Power Light

Back



5v Power  
Input

VGA In

VGA Out 1

VGA Out 2

## CONNECTING AND OPERATING THE 1:2 VGA HUB

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### How to Connect the 1:2 VGA Hub to your devices

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

**NOTE:** Display information (EDID) is not sent back to the source. Standard VESA resolutions should be output by most computers without the need of an EDID. If using a non-VESA standard resolution or if EDID is needed, an EDID storage and relay device is necessary. Gefen recommends the use of a DVI Detective (part# EXT-DVI-EDID, EXT-DVI-EDIDN, or EXT-DVI-EDIDP) with two VGA to DVI adapters.

# SPECIFICATIONS

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Video Amplifier Bandwidth .....	350 MHz
Input Video Signal .....	1.2 volts p-p
Maximum Resolution .....	1920 x 1200
Power Consumption .....	5 Watts (max.)
Power Supply .....	5V DC
Dimensions .....	2.6"W x 1.1"H x 2.6"D
Shipping Weight .....	2 Lbs



## WARRANTY

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

If equipment fails because of such defects and Gefen is notified within two (2) years from the date of shipment, Gefen 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 cables must be in their original condition.

The information in this manual has been carefully checked and is believed to be accurate. However, Gefen assumes no responsibility for any inaccuracies that may be contained in this manual. In no event will Gefen 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 features and specifications is subject to change without notice.

For the latest warranty coverage information, refer to the Warranty and Return Policy under the Support section of the Gefen Web site at [www.gefen.com](http://www.gefen.com).

## PRODUCT REGISTRATION

**Please register your product online by visiting the Register Product page under the Support section of the Gefen Web site.**





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This product uses UL listed power supplies.