Gefen

1:2 VGA Hub

EXT-VGA-142N

User Manual

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

1:2 VGA Hub is a trademark of Gefen, LLC

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Congratulations on your purchase of the 1:2 VGA Hub. Your complete satisfaction is very important to us.

Gefen

Gefen delivers innovative, progressive computer and electronics add-on solutions that harness integration, extension, distribution and conversion technologies. Gefen's reliable, plug-and-play products supplement cross-platform computer systems, professional audio/video environments and HDTV systems of all sizes with hard-working solutions that are easy to implement and simple to operate.

The Gefen 1:2 VGA Hub

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 con- nector.

There are two VGA outputs on the 1:2 VGA Hub. VGA output one (Monitor 1) is the primary connection, which queries the primary sisplay 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.

READ THESE NOTES BEFORE INSTALLING OR OPERATING
THE PROFESSIONAL AUTOMATION CONTROL SYSTEM

- By default, display information (EDID) from the display connected to the Monitor 1 port on the 1:2 VGA Hub is sent back to the source. The VGA display connected to the Monitor 2 port must be capable of accepting the same timings and resolutions as the display that is connected to the Monitor 1 output port. Therefore, it is recommended that the display with the lowest native resolution be connected to the Monitor 1 port.

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

- Simultaneously display at local and remote locations

- Maintains highest video resolutions up to 1920 x 1200 and 1080p Full HD
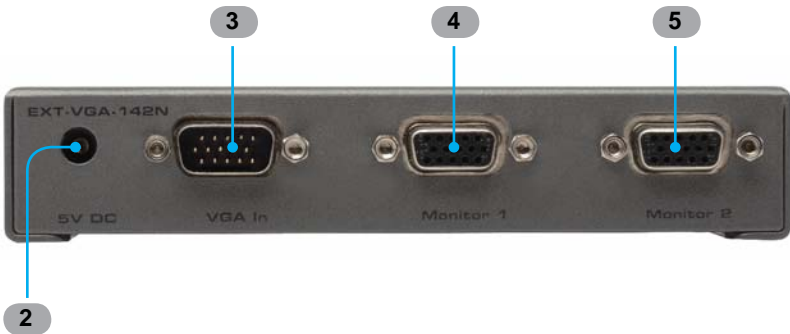
- Installs in seconds

Package Includes

(1) 1:2 VGA Hub
(1) 6 ft. VGA cable
(1) 5V DC power supply
(1) Quick-Start Guide

Front

Back

1   ***Power***
This LED indicator glows bright red when the included power supply is attached and connected to an AC electrical outlet.

2   ***5V DC***
Connect the included power supply to this power receptacle.

3   ***VGA In***
Connect the included VGA cable between the VGA In port on the 1:2 VGA Hub and the computer.

4   ***Monitor 1***
Connect a VGA cable between the Monitor 1 port and a display.

5   ***Monitor 2***
Connect a VGA cable between the Monitor 2 port and a display.

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

1. Connect the supplied VGA cable from the VGA device to the VGA In on the 1:2 VGA Hub.

2. Connect VGA cables from the displays (monitor or projector) to the Monitor 1 and Monitor 2 ports.

3. Connect the included 5V DC power supply to the 1:2 VGA Hub

4. Connect the other end of the power supply to an available electrical outlet.
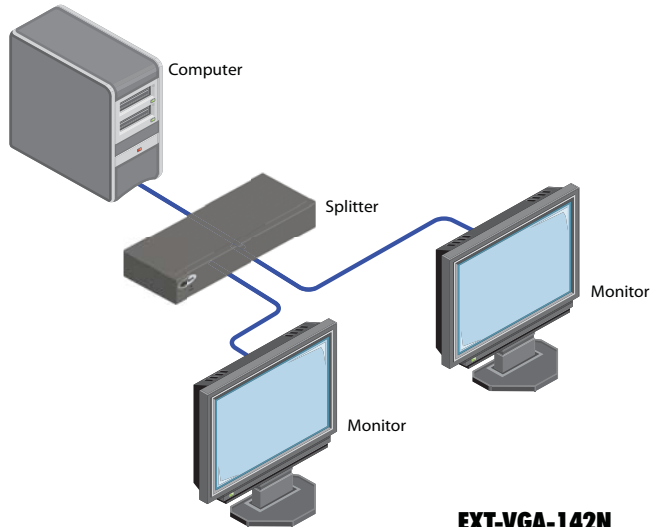
> **NOTE:** By default, display information (EDID) from the display connected to the Monitor 1 port on the 1:2 VGA Hub is sent back to the source. The VGA display connected to the Monitor 2 port must be capable of accepting the same timings and resolutions as the display that is connected to the Monitor 1 output port. Therefore, it is recommended that the display with the lowest native resolution be connected to the Monitor 1 port.

Wiring Diagram for the 1:2 VGA Hub

VGA CABLE

Computer

Splitter

Monitor

Monitor

EXT-VGA-142N

SPECIFICATIONS

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

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.

PRODUCT REGISTRATION

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

This product uses UL listed power supplies.