Gefen

VGA Extension SRN

EXT-VGA-141SRN

User Manual

www.gefen.com

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INTRODUCTION

Congratulations on your purchase of the VGA Extender SRN. 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 VGA Extender SRN

The VGA Extender SRN allows users to extend video signals far beyond the A/V rack. The VGA Extender SRN can be used to extend an analog VGA signal to cover distances up to 150 feet. Industry standard Category 5e (CAT-5e) cable is used for the extension.

How It Works

The VGA extender SRN sender unit connects to your computer using the supplied VGA cable. The SRN receiver connects to your monitor - up to 150 feet away. One CAT-5 cable connects the sender and the receiver to each other, extending your video. The video transmitter and receiver boxes are small and unobtrusive, allowing installation in small spaces.

READ THESE NOTES BEFORE INSTALLING OR
OPERATING THE VGA EXTENDER SRN

- 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.

- Use industry standard Category-5 (CAT-5) cable to operate the VGA Extender SRN system. CAT-5e cable is preferred.

- Please connect all the cables between the computer and the VGA Extender SRN before powering up the VGA Extender SRN unit.

- The VGA Extender SRN units are housed in a metal box for better RF shielding.

Features

- Extends any VGA or high definition component display up to 150 feet (45 meters)

- One CAT-5e cable for extension

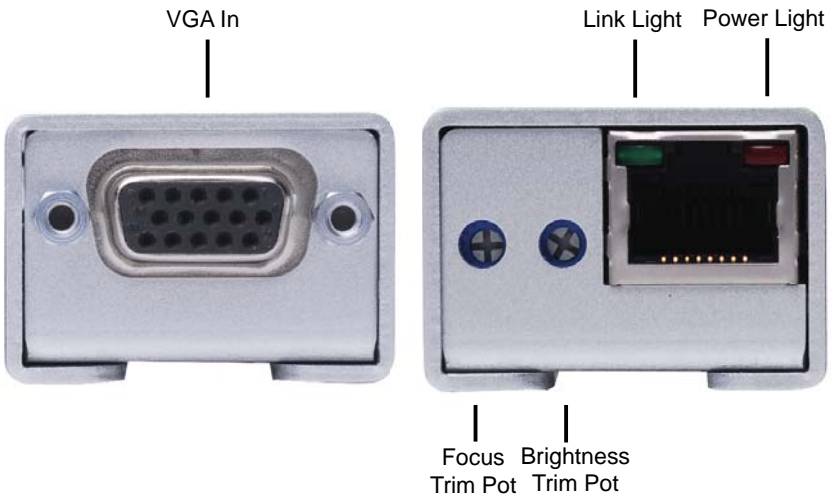- Supports resolutions up to 1080p, 2K, and 1920 x 1200

Package Includes

(1) VGA Extender SRN Sender Unit
(1) VGA Extender SRN Receiver Unit
(1) 6 Foot VGA cable (M-F)
(1) 5V DC Power Supply
(1) User's Manual

SENDER/RECEIVER PANEL LAYOUT

Sender Unit

5V DC
Power Input

VGA Out   Link Light   Power Light

Receiver Unit

VGA In   Link Light   Power Light
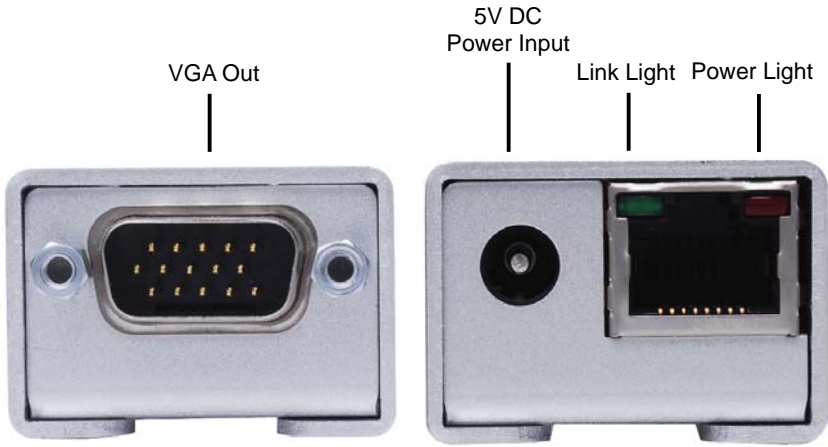
Focus   Brightness
Trim Pot Trim Pot

The link light will stay on when a VGA connection is made with the source and the sender unit. If the link light turns off verify that the VGA cable is connected properly from the source to the sender unit and the display to the receiver unit. The receiver end link light will stay on as long as a CAT-5e cable is connected between the sender and receiver unit

The power light will stay on as long as the power supply is connected to the sender unit.

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CONNECTING AND OPERATING THE VGA EXTENDER SRN

### How to Connect the VGA Extender SRN

1. Connect the VGA Extender SR sender unit to the VGA output on the back of your computer. The supplied six foot M-F VGA cable connects the CPU and sender unit together.

2. Connect the VGA Extender SR receiver unit to your monitor with the VGA cable that is attached to your monitor.

3. Connect the CAT5 cable between the VGA Extender SR sender and receiver's CAT5 input.

4. Plug the 5 volt power supply into the sender unit. The VGA Extender SR receiver will draw power from the sender.

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.

BRIGHTNESS AND FOCUS TRIM POTS

The brightness and focus adjustments are found on the receiver unit and will help compensate for issues that can be introduced by outside interference and cable variances. If the outgoing image is too dark or too bright, the brightness trim pot can be tuned to help brighten the image. If there is a ghosting or blurring effect on the image, the focus trim pot can be used to eliminate these artifacts. Insert a small flat head device, such as a screw driver into either the brightness or focus trim pot hole. Turn the trim pot in millimeter increments in either a clockwise or counterclockwise direction. Once the desired brightness and focus are reached, simply remove the adjustment device from the trim pot hole.

NETWORK CABLE WIRING DIAGRAM
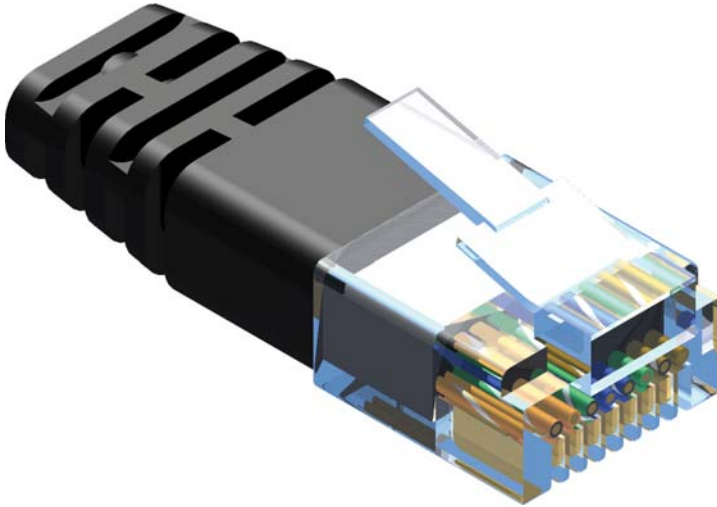
Gefen has specifically engineered their products to work with the TIA/EIA-568-B specification. Please adhere to the table below when field terminating cable for use with Gefen products. Failure to do so may produce unexpected results and reduced performance.

Pin	Color
1	Orange / White
2	Orange
3	Green / White
4	Blue
5	Blue / White
6	Green
7	Brown / White
8	Brown

1 2 3 4 5 6 7 8
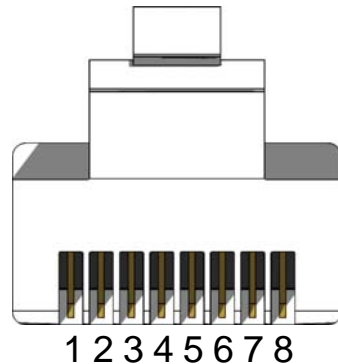
CAT-5, CAT-5e, and CAT-6 cabling comes in stranded and solid core types. Gefen recommends using solid core cabling. CAT-6 cable is also recommended for best results.

Each cable run must be one continuous run from one end to the other. No splices or use of punch down blocks.

SPECIFICATIONS

Video 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

Video In .... HD-15 male

Video out .... HD-15 female

Link Connector .... RJ-45 Shielded

Power Supply .... 5V DC

Power Consumption .... 5 Watts (max.)

Dimensions .... 1" W x 1" H x 4" D each module

Shipping Weight .... 3 lbs.