

# Gefen

## 1:4 3GSDI Splitter

EXT-3GSDI-144

User Manual



[www.gefen.com](http://www.gefen.com)

## ASKING FOR ASSISTANCE

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### Notice

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

**1:4 3G-SDI Splitter** is a trademark of Gefen Inc.

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# INTRODUCTION

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Congratulations on your purchase of the 1:4 3G-SDI Splitter. 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 1:4 3G-SDI Splitter**

The 1:4 3G-SDI Distribution Amplifier allows a single SDI, HD-SDI or 3G-SDI video source to be distributed to (without loss of signal) four HD SDI/HDSDI/3G-SDI devices at the same time. Crisp, highly defined visuals are generated in NTSC or PAL formats supporting Standard and High Definition resolutions to 1080p Full HD.

## **How It Works**

You simply connect your SDI source to the 1:4 3G-SDI Splitter input, then connect its outputs to your SDI Devices. Once the source, the SDI devices and the Splitter are powered and connected, your source's video will be distributed simultaneously in pristine color and detail.

Note: Gefen's 1:4 3G-SDI Splitter is backwards compatible with all Gefen legacy SDI equipment and signal types.

## OPERATION NOTES

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### READ THESE NOTES BEFORE INSTALLING OR OPERATING THE 1:4 3G-SDI SPLITTER

- The 1:4 3G-SDI Splitter will mirror its input to up to four outputs. There is no scaling functionality built into this unit. Please ensure that the output 3G-SDI, HD-SDI or SDI device is capable of accepting the same timings and resolutions of the input source.
- The 1:4 3G-SDI Splitter will accept the following formats:
  - SDI - SMPTE 259M-C (270Mbps)
  - HD-SDI -SMPTE 292M (1.485, 1.485/1.001 Gbps)
  - HD-SDI-SMPTE 424M/425M (2.97/3.0 Gbps)

# FEATURES

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## Features

- Easily distribute one 3G-SDI source to four 3G-SDI devices
- Streamlines wiring
- Distributes video instantaneously

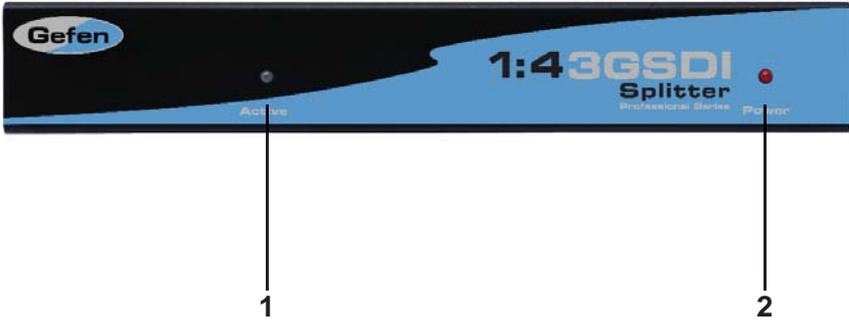
## Package Includes

- (1) 1:4 3G-SDI Distribution Amplifier
- (1) 5v Power Supply
- (1) User's Manual

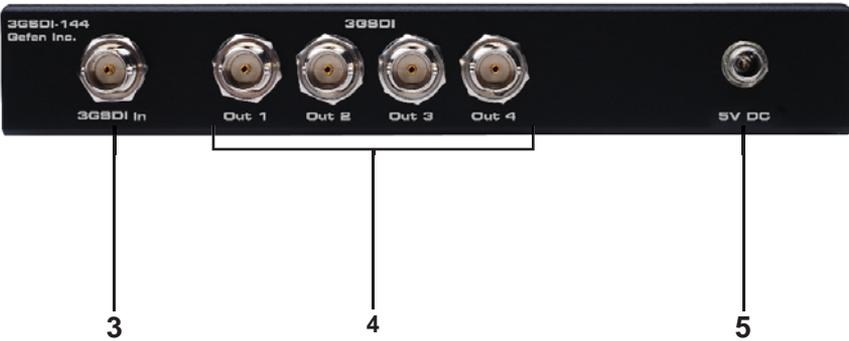
# PANEL LAYOUT

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## Front Panel



## Back Panel



## PANEL DESCRIPTIONS

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**1 LED Active Indicator**

This LED will become active once a valid input signal is input and detected.

**2 LED Power Indicator**

This LED will become active once the included 5V DC power supply is properly connected between the sender and an open wall power socket.

**3 3G-SDI Input**

This input will accept a single 3G-SDI, HD-SDI or SDI source device.

**4 3G-SDI Outputs 1-4**

These output ports can accept (up to four) 3G-SDI, HD-SDI or SDI capable devices. All output will mirror the single input source.

**5 5V DC Power Receptacle**

This receptacle will require power from the included 5V DC power supply for proper operation. Connect the included power supply between this port and an open wall power socket.

# **CONNECTING AND OPERATING THE 1:4 3G-SDI SPLITTER**

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## **How to Connect the 1:4 3G-SDI Splitter**

1. Connect a 3G-SDI, HD-SDI or SDI source device to the 1:4 3G-SDI Splitter's single input using a user supplied cable.
2. Connect up to four 3G-SDI, HD-SDI or SDI capable devices to the 1:4 3G-SDI Splitter's outputs using user supplied cables.
3. Connect the included 5V DC power supply between the 1:4 3G-SDI Splitter's power receptacle and an open wall power socket.
4. Initialize (power on) the output devices first and the source device second.

### **NOTE:**

#### **How to Operate the 1:4 3G-SDI Splitter**

There are no further configurations necessary to operate the 1:4 3G-SDI Splitter.

## SPECIFICATIONS

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Input/Output Formats:

SDI - SMPTE 259M-C (270Mbps); HD-SDI -SMPTE 292M (1.485, 1.485/1.001 Gbps); HD-SDI-SMPTE 424M/425M (2.97/3.0 Gbps)

Supported Formats ..... NTSC, PAL & and all HD formats to 1080p

Power Supply ..... 5V DC

Power Consumption ..... 10 Watts (max)

Dimensions ..... 7.5"W x 1.1"H x 3.5"D

Shipping Weight ..... 4 lbs.