

Gefen

1:4 3GSDI Splitter

EXT-3GSDI-144
User Manual



www.gefen.com

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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.

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INTRODUCTION

Congratulations on your purchase of the 1:4 3GSDI 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 3GSDI Splitter

The 1:4 3GSDI Splitter 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 3GSDI 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 3GSDI Splitter is backward-compatible with all Gefen legacy SDI equipment and signal types.

OPERATION NOTES

READ THESE NOTES BEFORE INSTALLING OR OPERATING THE 1:4 3GSDI SPLITTER

- The 1:4 3GSDI Splitter will mirror its input on 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 3GSDI Splitter will accept the following formats as input:
 - SDI/SMPTE 259M (up to 360Mbps)
 - HD-SDI/SMPTE 292M (1.485, 1.485/1.001 Gbps)
 - 3G-SDI/SMPTE 424M/425M (2.97/3.0 Gbps)

FEATURES

Features

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

Package Includes

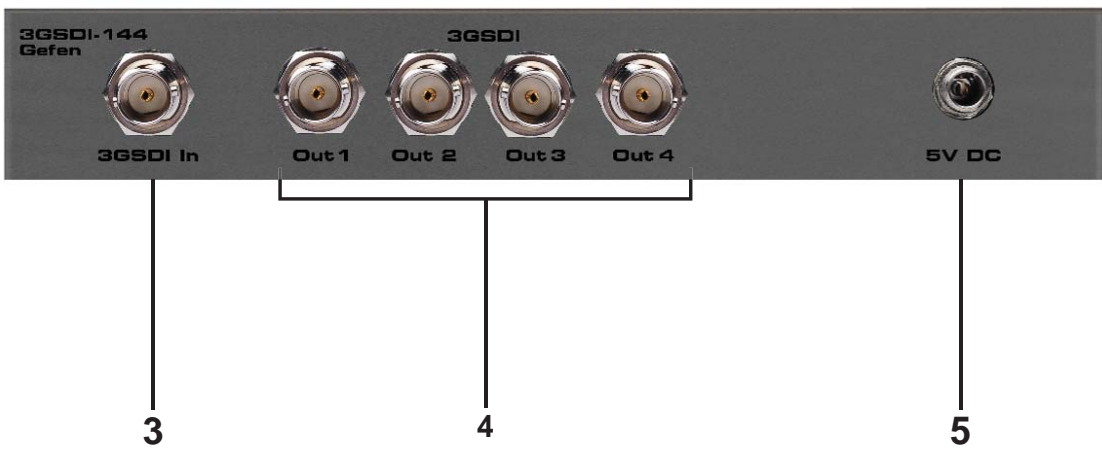
- (1) Gefen 1:4 3GSDI Splitter
- (1) 5V DC Locking Power Supply
- (1) User Manual

PANEL LAYOUT

Front Panel



Back Panel



PANEL DESCRIPTIONS

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 swill 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. The power tip of the power supply screws into the locking receptacle for a secure connection that cannot be broken when accidentally moving the unit or pulling on the power cable in back of the unit.

CONNECTING AND OPERATING THE 1:4 3GSDI SPLITTER

How to Connect the 1:4 3GSDI Splitter

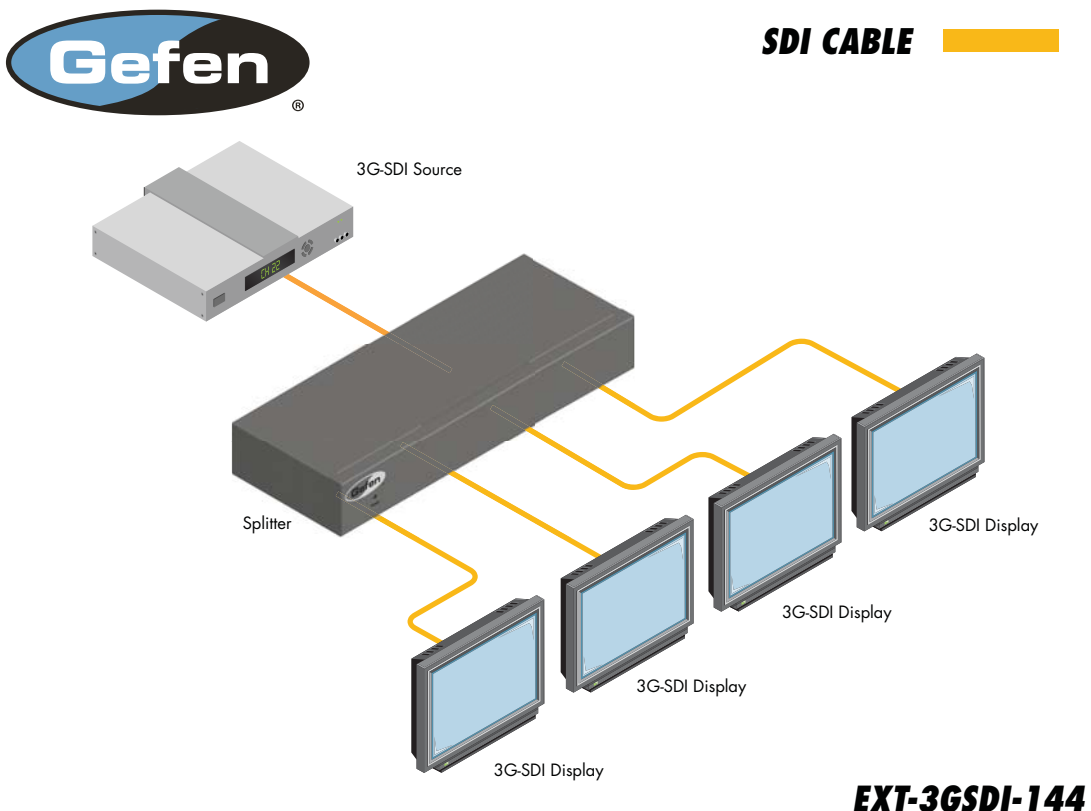
1. Connect a 3G-SDI, HD-SDI or SDI source device to the 1:4 3GSDI Splitter's single input using a user supplied cable.
2. Connect up to four 3G-SDI, HD-SDI or SDI capable devices to the 1:4 3GSDI Splitter's outputs using user supplied cables.
3. Connect the included 5V DC power supply between the 1:4 3GSDI 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 3GSDI Splitter

There are no further configurations necessary to operate the 1:4 3GSDI Splitter.

Wiring Diagram for the 1:4 3GSDI Splitter



SPECIFICATIONS

Input/Output Formats:

- SDI (SMPTE 259M, up to 360 Mbps)
- HD-SDI (SMPTE 292M, up to 1.485 Gbps)
- 3G-SDI (SMPTE 424M/425M, up to 3.0 Gbps)

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

Input/Output Connectors: BNC

Power Supply 5V DC

Power Consumption 10 Watts (max)

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



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This product uses UL listed power supplies.