



# 1:4 3GSDI Splitter

EXT-3GSDI-144

User Manual



Release A5

# Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this unit near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install or place this unit near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the unit.
11. Only use attachments/accessories specified by the manufacturer.
12. To reduce the risk of electric shock and/or damage to this unit, never handle or touch this unit or power cord if your hands are wet or damp. Do not expose this unit to rain or moisture.
13. Unplug this unit during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the unit has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the unit, the unit has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. Batteries that may be included with this unit and/or accessories should never be exposed to open flame or excessive heat. Always dispose of used batteries according to the instructions.

# Warranty Information

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).

## Technical Support

(818) 772-9100      (800) 545-6900  
8:00 AM to 5:00 PM Monday - Friday, Pacific Time

## Fax

(818) 772-9120

## Email

support@gefen.com

## Web

<http://www.gefen.com>

## Mailing Address

Gefen, LLC  
c/o Customer Service  
20600 Nordhoff St.  
Chatsworth, CA 91311

## Product Registration

Register your product here: <http://www.gefen.com/kvm/Registry/Registration.jsp>

- The 1:4 3GSDI Splitter will accept the following formats:
  - ▶ SDI (SMPTE 259M-C, 270 Mbps)
  - ▶ HDSDI (SMPTE 292M, 1.485 Gbps)
  - ▶ 3GSDI (SMPTE 424M / 425M, 2.97 / 3.0 Gbps)

**1:4 3GSDI Splitter** is a trademark of Gefen, LLC.

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



This product uses UL or CE listed power supplies.

## Features

- Distributes one 3G-SDI source to four 3G-SDI output devices without latency
- Backwards-compatible with SDI and HD-SDI formats
- Supports resolutions up to 2048 x 1080/24 (2K) and 1920 x 1080p/60
- Supports NTSC, PAL, & and all HD formats up to 1080p
- Plug-and-Play installation

**1080P**  
**PROGRESSIVE**

## Packing List

The 1:4 3GSDI Splitter ships with the items listed below. If any of these items are not present in the box when you first open it, immediately contact your dealer or Gefen.

- 1 x 1:4 3GSDI Splitter
- 1 x 5V DC locking power supply
- 1 x Quick-Start Guide



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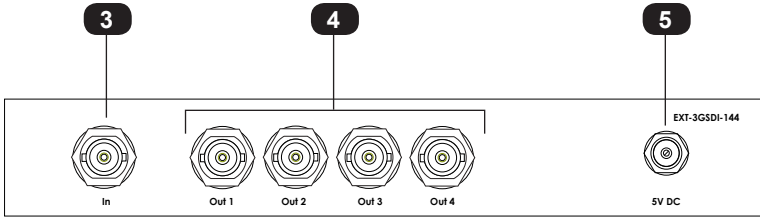
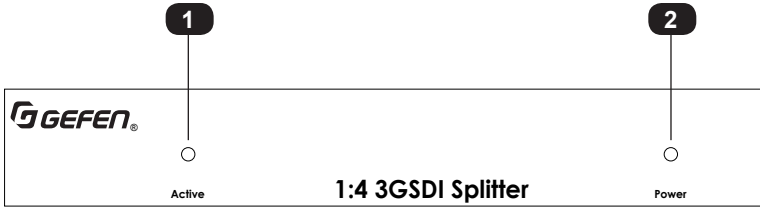
# 1:4 3GSDI Splitter

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## Getting Started

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Front / Rear / Bottom Panel



ID	Name	Description
1	Active	<p>This LED indicator will glow solid green when there is an active SDI signal on the input.</p> <p>If no SDI source is connected or the SDI source is inactive, then this LED indicator will glow solid red.</p>
2	Power	<p>This LED indicator will glow solid red when the splitter is powered.</p>
3	In	<p>Connect an SDI source to this port using a BNC cable.</p>
4	Out 1 - Out 4	<p>Connect up to four SDI displays to these ports using BNC cables.</p>
5	5V DC	<p>Connect the included power supply from this power receptacle to an available electrical outlet.</p>

## Connection Instructions

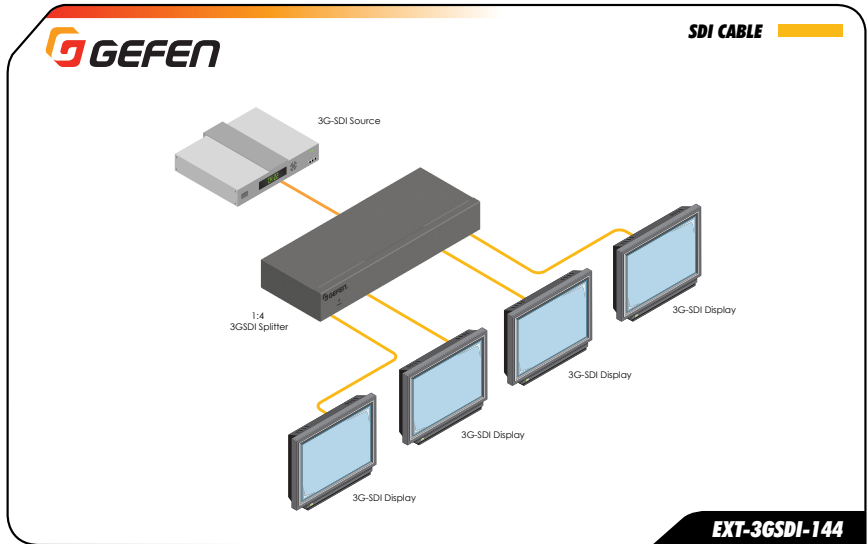
### ▶ Video

1. Connect a BNC cable from the SDI source to the **In** port on the 1:4 3GSDI Splitter.
2. Connect a BNC cable from each SDI display to the output ports (**Out 1 - Out 4**) on the 1:4 3GSDI Splitter.

### ▶ Power

3. Connect the included power supply to the **5V DC** power receptacle and connect the power cord to an available electrical outlet.

## Sample Wiring Diagram









# 1:4 3GSDI Splitter

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## Connectors, Controls, and Indicators

Video Input	<ul style="list-style-type: none"><li>• 1 x BNC, female</li></ul>
Video Output	<ul style="list-style-type: none"><li>• 4 x BNC, female</li></ul>
Power Receptacle	<ul style="list-style-type: none"><li>• 1 x locking</li></ul>
Power Indicator	<ul style="list-style-type: none"><li>• 1 x LED, red</li></ul>
Active Indicator	<ul style="list-style-type: none"><li>• 1 x LED, bi-color, red/green</li></ul>

## Operational

Power Supply	<ul style="list-style-type: none"><li>• 5V DC</li></ul>
Power Consumption	<ul style="list-style-type: none"><li>• 10W maximum</li></ul>

## Physical

Dimensions (W x H x D)	<ul style="list-style-type: none"><li>• 7.5" x 3.5" x 1.6" (191mm x 89mm x 41mm)</li></ul>
Shipping Weight	<ul style="list-style-type: none"><li>• 2 lbs (0.9 kg)</li></ul>





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