

1:2 DVI | Dual Link Distribution Amplifier

EXT-DVI-142DLN

User Manual

Release A1



Important Safety Instructions

GENERAL SAFETY INFORMATION

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this product 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 product 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 apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. To reduce the risk of electric shock and/or damage to this product, never handle or touch this unit or power cord if your hands are wet or damp. Do not expose this product to rain or moisture.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus 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 apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. Batteries that may be included with this product 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.

PRODUCT REGISTRATION

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

Contacting Gefen Technical Support

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1:2 DVI Dual Link Distribution Amplifier
is a trademark of Gefen, LLC.

Important 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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Operating Notes

- There is no internal scaling in the *1:2 DVI Dual Link Distribution Amplifier*. All of the attached monitors must be able to display the output resolutions of the source device.

Features and Packing List

Features

- Split a dual link DVI signal to two DVI dual link outputs
- Allows simultaneous display
- Supports single-link resolutions up to 1920 x 1200, and dual-link up to 3840 x 2400
- Power On indicator
- DVI Link indicators
- Supports DDWG standard for DVI compliant monitors
- HDCP pass-through only on output #1



Packing List

The 1:2 DVI Dual Link Distribution Amplifier ships with the items listed below. If any of these items are not present in your box when you first open it, immediately contact your dealer or Gefen.

- 1 x 1:2 DVI Dual Link Distribution Amplifier
- 1 x 6 ft. dual link DVI cable (M-M)
- 1 x 5V DC power supply
- 1 x Quick-Start Guide

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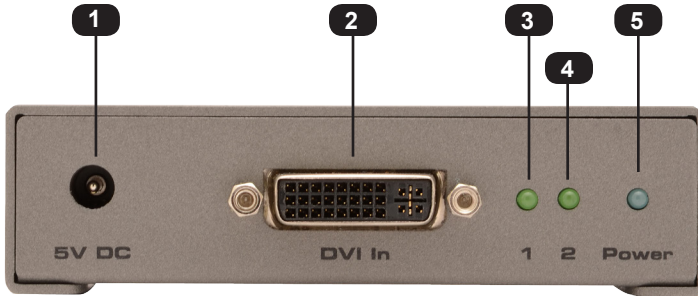
1:2 DVI | Dual Link Distribution Amplifier

01 Getting Started

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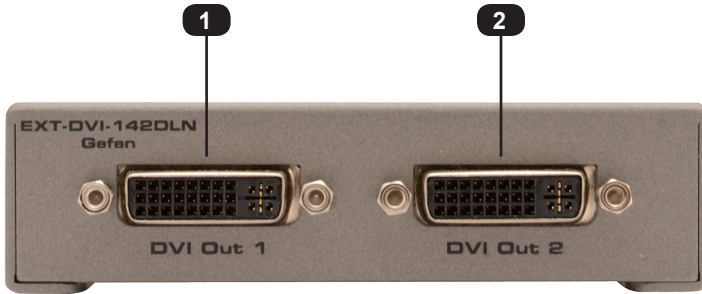
Panel Layout

Front Panel



| ID | Name | Description |
|----|--------|---|
| 1 | 5V DC | Connect the included 5V DC power supply to this power receptacle. |
| 2 | DVI In | Connect the DVI source to this port using the included dual-link DVI cable. |
| 3 | 1 | This LED indicator will glow bright green once a display is connected to DVI Out 1. |
| 4 | 2 | This LED indicator will glow bright green once a display is connected to DVI Out 2. |
| 5 | Power | This LED indicator will glow bright blue when the unit is powered. |

Back Panel



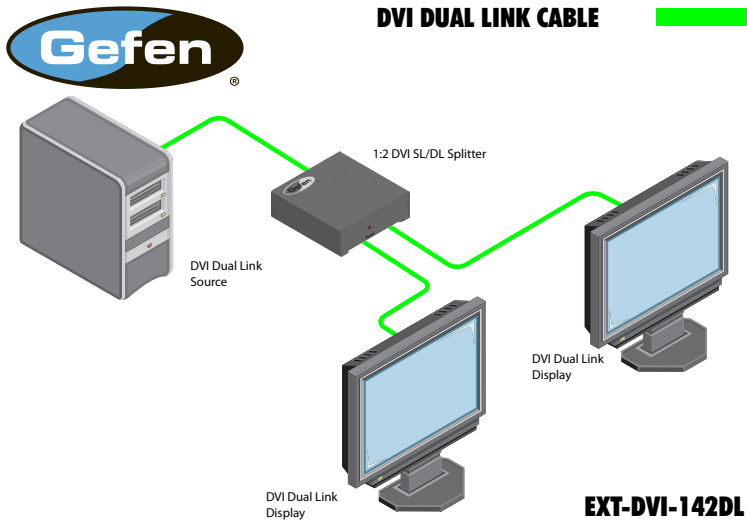
| ID | Name | Description |
|----|-----------|---|
| 1 | DVI Out 1 | Connect a dual link DVI display to this port using a dual-link DVI cable. |
| 2 | DVI Out 2 | Connect a dual link DVI display to this port using a dual-link DVI cable. |

Installation

Connecting the 1:2 DVI Dual Link Distribution Amplifier

1. Connect the included dual-link DVI cable from the DVI source to the **DVI In** port on the distribution amplifier.
2. Connect the DVI cable from the first display to the **DVI Out 1** port on the distribution amplifier.
3. Connect the second display to the **DVI Out 2** port on the distribution amplifier.
4. Connect the included 5V DC power supply to the power receptacle on the distribution amplifier.
5. Connect the power supply to an available electrical AC outlet.

Sample Wiring Diagram



1:2 DVI

Dual Link
Distribution Amplifier

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Specifications

Supported Formats

| | |
|--------------------|---|
| Resolutions (max.) | <ul style="list-style-type: none"> • 1920 x 1200 (WUXGA) • 3840 x 2400 (WQUXGA) |
|--------------------|---|

Electrical

| | |
|---------------------|------------------|
| Maximum Pixel Clock | • 2 x 165 MHz |
| Input Video Signal | • 1.2V p-p |
| Input DDC signal | • 5V p-p (TTL) |
| Power Indicator | • 1 x LED, blue |
| Link Indicators | • 2 x LED, green |

Connectors

| | |
|---------------|-----------------------------|
| Video Input | • 1 x DVI-D, 29-pin, female |
| Video Outputs | • 2 x DVI-D, 29-pin, female |

Operational

| | |
|-----------------------|--------------------------------|
| Power Input | • 1 x 5V DC |
| Power Consumption | • 10W (max.) |
| Operating Temperature | • +32 to +104 °F (0 to +40 °C) |

Physical

| | |
|------------------------|---|
| Dimensions (W x H x D) | • 4" x 3.25" x 1.25" (102mm x 83mm x 32mm) |
| Unit Weight | • 0.2 lbs (0.09 kg) |



Stretch it, Switch it, Split it, Control it.
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