

Switch between 4 DVI sources

4x1 HDTV Switcher

Routes any one of four DVI sources to one DVI display

The 4x1 HDTV Switcher offers unparalleled flexibility in the setup of high definition theater and electronics systems. A plug and play solution, the 4x1 HDTV Switcher connects four DVI source devices, such as DVI-based computer systems, and links them to one DVI display. You simply select what source will be viewed on the display using the IR remote control or the optional wired remote control. It can also be controlled using any universal programmable remote device, offering an alternative to multiple remote control confusion. An effective and reliable solution that eliminates the need to purchase several DVI displays, the 4x1 HDTV Switcher requires no additional power supply to operate. Yet it is equipped with a 5-volt DC input in the event that the unit requires additional power, as in the case of a DVI source not outputting the proper amount of voltage.

How It Works

Simply connect your DVI display to the Switcher's display output. Then, using the four high quality DVI cables that come with the 4x1 HDTV Switcher, plug each one into the four DVI source devices, then connect them to the Switcher's inputs. Once the source devices and the display are powered on and connected, you simply switch between source devices using the RMT-4IR remote control or your own universal remote.

Features:

- Switch easily between any four DVI sources
- Extends the range of HDTV devices by equalizing and reclocking the HDTV signal
- Maintains high resolution video - beautiful, sharp HDTV resolutions up to 1080p, 2k, and computer resolutions up to 1920x1200 are easily achieved
- Discrete IR remote (included)
- Switch using discrete contact closure
- HDCP pass-through

Specifications:

- Video Amplifier Bandwidth: 165 MHz
- Input Video Signal: 1.2 volts p-p
- Input DDC Signal: 5 volts p-p (TTL)
- Single Link Range: 1080p/1920x1200
- DVI Connector: DVI-I 29 pin female (digital only)
- Power Consumption: 15 Watts (max.)
- Power Supply: 5V DC
- Dimensions: 11.125"W x 1.375"H x 3.125"D
- Shipping Weight: 6 lbs.

Package Includes:

- 4x1 HDTV Switcher
- RMT-4IR remote control
- 5V DC power supply
- Four 6 foot DVI cables



EXT-HDTV-441N



**4x1 HDTV
Switcher
USER MANUAL**

ASKING FOR ASSISTANCE

Technical Support:

Telephone (818) 772-9100
(800) 545-6900

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Technical Support Hours:

8:00 AM to 5:00 PM Monday through Friday.

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Notice

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INTRODUCTION

Congratulations on your purchase of the 4x1 HDTV Switcher. Your complete satisfaction is very important to us.

Gefen's line of HDTV switches, extenders, and splitters are designed to make your A/V equipment use more comfortable, more productive and less expensive.

The 4x1 HDTV Switcher allow access to multiple HDTV devices, using a single HDTV display while the HDTV extender product line can extend the DVI video up to 1640 feet (500 meters).

Gefen Inc. offers solutions for noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

Our Commitment

Gefen will always offer the finest quality product at the best possible price. Included in that price is a lifetime of support from a team of outstanding engineers.

The 4x1 HDTV Switcher allows four HDTV DVI devices to be switched easily in to one HDTV DVI compatible monitor or projector. The 4x1 HDTV Switcher can also be placed at the end of a long DVI cable to regenerate the DVI signal.

FEATURES

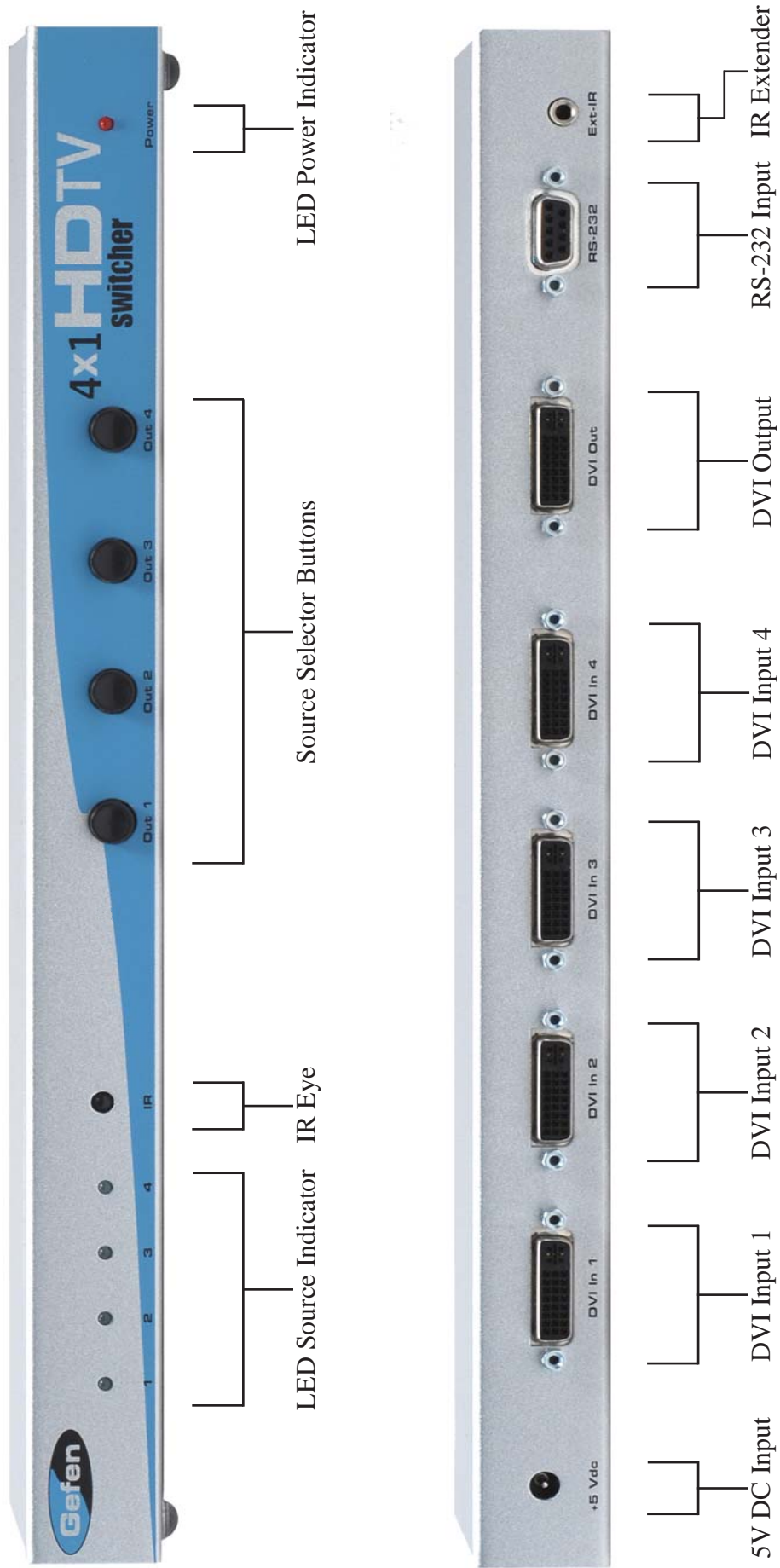
Features

- Switches easily between any four HDTV sources
- Maintains 480i, 480p, 720p, 720i, and 1080i, 1080p resolutions
- Extends any DVI compliant device by regenerating the DVI signal
- Maintains highest DVI single link video resolution
- Supports DDWG standard for DVI compliant monitors
- Supports HDCP compliant devices
- Optional RMT-4 remote control
- DVI cables are used to connect the DVI inputs and 4x1 HDTV Switcher output
- Installs in seconds

Includes:

- (1) 4x1 HDTV Switcher
- (4) 6' DVI-D cables (M-M)
- (1) 5V DC Power Supply
- (1) RMT4-IR
- (1) User Manual

PANEL DESCRIPTIONS



CONNECTING AND OPERATING THE 4x1 HDTV SWITCHER

How to Connect the 4x1 HDTV Switcher to your devices

- 1** Connect the supplied DVI cables from the HDTV DVI sources into the DVI Switcher Input.
- 2** Connect the cable from your display (monitor or projector) into the DVI Out of the 4x1 HDTV Switcher.

How to Operate the 4x1 HDTV Switcher

Use the RMT4-IR remote control port to remotely toggle between sources.

Operation Notes

The 4x1 HDTV Switcher may also be powered from the input. The DVI source supplies 5v to the switcher via pin-14 on the DVI cable.

The contact closure port is wired using a shielded CAT5 cable. Pins 1-4 to the shield cause the unit to switch to inputs 1-4. Pins 5-8 are feedback letting you know what has been selected.

RMT4-IR INSTALLATION

1. Remove battery cover from the back of the RMT4-IR remote.
2. Verify that dip switches 1 & 2 are in the down (OFF) position.
3. Insert the battery, hold the battery so that you can see the positive side facing up. The side that is not marked must be facing down.
4. Test the RMT4-IR remote by pressing ONLY one button at a time. The indicator light on the remote will flash once each time you press a button. **WARNING:** Do not press multiple buttons simultaneously and do NOT press buttons rapidly. These actions will cause the remote to reset and steps 1-4 will have to be repeated.

Note: The RMT4-IR ships with two batteries. One battery is required for operation, the second battery is complimentary.



SPECIFICATIONS

Video Amplifier Bandwidth	1.65 GHz
Input Video Signal	1.2 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Single Link Range	1920 x 1200
DVI Input/Output Connector Type	DVI-D
Power Consumption	15 Watts (max.)
Power Supply	5VDC
Dimensions	6"W x 1"H x 4.7"D
Shipping Weight	6 Lbs

WARRANTY

Gefen Inc. warrants the equipment it manufactures to be free from defects in material and workmanship.

If equipment fails because of such defects and Gefen Inc. is notified within two (2) year from the date of shipment, Gefen Inc. 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 cable must be free from any scratches, markings, and neatly coiled.

The information in this manual has been carefully checked and is believed to be accurate. However, Gefen Inc. assumes no responsibility for any inaccuracies that may be contained in this manual. In no event will Gefen Inc., 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 4x1 HDTV Switcher features and specifications is subject to change without notice.