



**4x1 HD Switcher**  
USER MANUAL

## 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.

**4x1 HD Switcher** is a trademark of Gefen Inc.

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# INTRODUCTION

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Congratulations on your purchase of the 4x1 HD 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 HD Switcher allow access to multiple HDTV devices, using a single HDTV display.

The ex•tend•it line offers solutions for Home Theater, AV installation, noise, space and security concerns, data center, 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 support from a team of outstanding engineers.

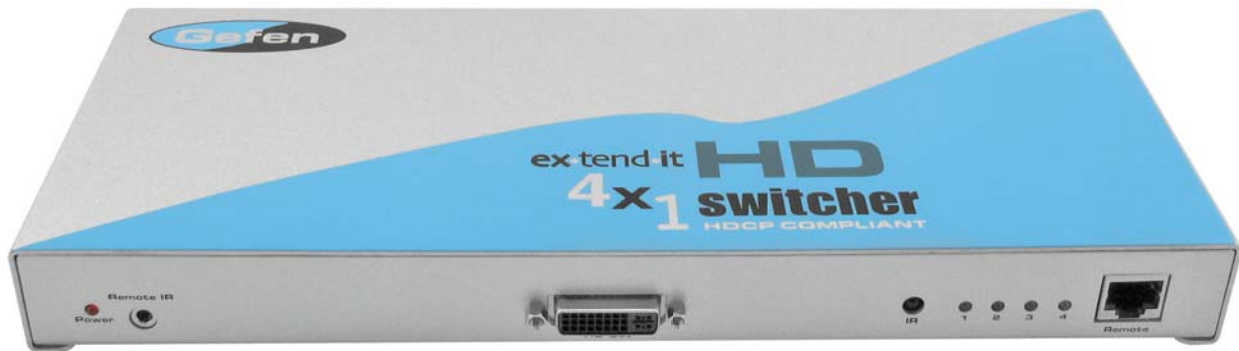
The 4x1 HD Switcher allows four HDTV HDMI devices to be switched easily in to one HDTV HDMI compatible monitor or projector. Simply connect your HDTV display to the Switcher's display output. The 4x1 HD Switcher can also be placed at the end of a long HDMI cable to regenerate the HDMI signal.

## Please Note:

This particular version only supports the video portion of the HDMI signal.

# FEATURES

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## Features

- Switches easily between any four HDTV sources
- Maintains 480p, 720p, 1080i, and 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 to HDMI cables are used to connect the DVI inputs and HD Switcher input
- Installs in seconds

## Includes:

4x1 HD Switcher  
4x 6' HDMI cables (m-m)  
5V DC Power Supply  
RMT4-IR  
User's Manual



# Connecting and Operating the 4x1 HD Switcher

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## How to Connect the 4x1 HD Switcher to your devices

- 1 Connect the supplied cables from the HDTV sources into the 4x1 HD Switcher inputs.
- 2 Connect the cable from your display (monitor or projector) into the HD Out of the 4x1 HD Switcher.
- 3 Plug the 5V DC power supply into the 4x1 HD Switcher.

## How to Control the 4x1 HD Switcher

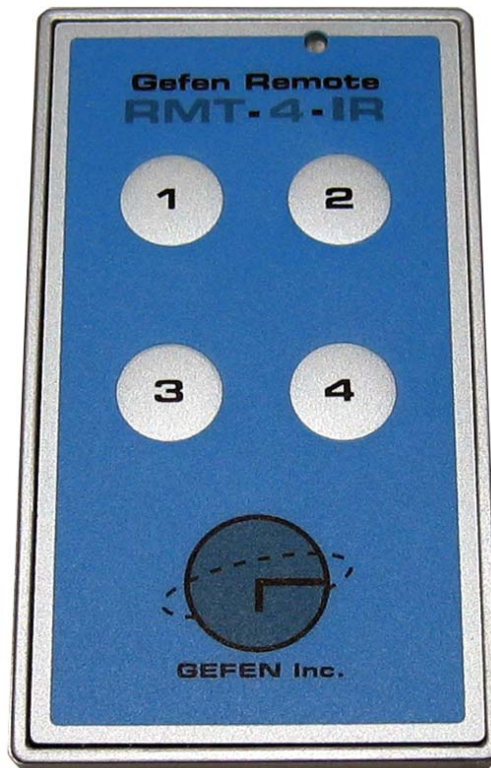
Use the RMT4-IR remote control to toggle between sources.

## RMT4-IR Installation

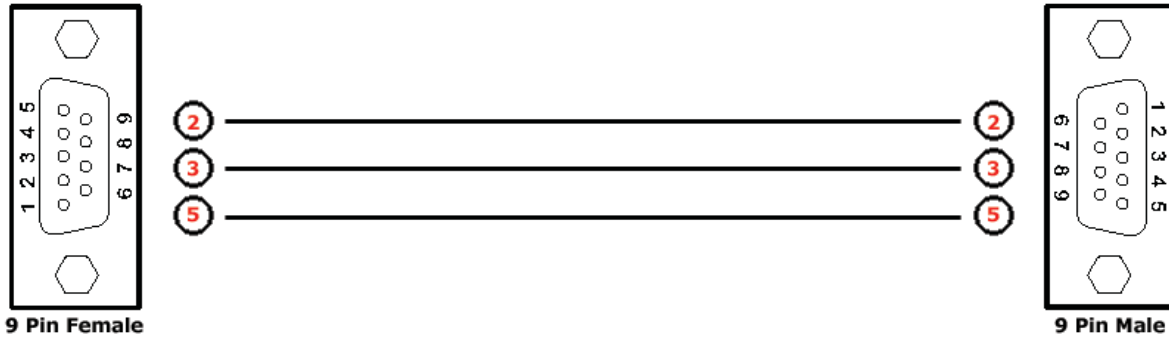
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1. Remove battery cover from the back of the RMT4-IR remote.
2. Verify that dip switches 1 & 2 are in the down (OFF) position.
3. Insert the battery, hold the battery so that you can see the positive side facing up. The side that is not marked must 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.



# RS-232 Interface



## Binary Table

Input	Binary
1	0011 0001
2	0011 0010
3	0011 0011
4	0011 0100

## Terminal Settings

Bits per second ..... 19200

Data bits ..... 8

Parity ..... None

Stop bits ..... 1

Flow Control ..... None

## SPECIFICATIONS

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Video Amplifier Bandwidth .....	1.65 Gbps
Input Video Signal .....	1.2 volts p-p
Input DDC Signal .....	5 volts p-p (TTL)
Single Link Range .....	1080p / 1920 x 1200
Video Output .....	DVI-I 29 pin female (digital only)
Video Input .....	HDMI Type A 19 pin female
Power Supply .....	5V DC
Power Consumption .....	10 watts (max)
Dimensions .....	4.625"D x 9.25"W x 1.25"H
Shipping Weight .....	6 lbs.

## WARRANTY

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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 one (1) 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 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.

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 HD Switcher features and specifications is subject to change without notice.