



# 8x1 HDMI Switcher

USER MANUAL

## ASKING FOR ASSISTANCE

---

### Technical Support:

Telephone (818) 884-6294  
(800) 545-6900

Fax (818) 884-3108

### Technical Support Hours:

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

### Write To:

Gefen Inc.  
C/O Customer Service  
6265 Variel Ave.  
Woodland Hills, CA 91367-9897

### Notice

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

**8x1 HDMI Switcher** is a trademark of Gefen Inc.

# TABLE OF CONTENTS

---

- 1** Introduction
- 2** Features
- 3** Panel Descriptions
- 4** Connecting and Operating the 8x1 DVI Switcher
- 5** RMT-8IR Installation
- 6** RS-232 Interface
- 7** Specifications
- 8** Warranty

# INTRODUCTION

---

Congratulations on your purchase of the ex•tend•it 8x1 HDMI Switcher. Your complete satisfaction is very important to us.

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

The 8x1 HDMI Switcher allows access to multiple HDMI devices, using a single HDMI display.

The ex•tend•it line 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 8x1 HDMI Switcher allows eight HDMI devices to be switched easily through one HDMI compatible monitor or projector. The 8x1 HDMI Switcher can also be placed at the end of a long HDMI cable to regenerate the HDMI signal.

# FEATURES

---

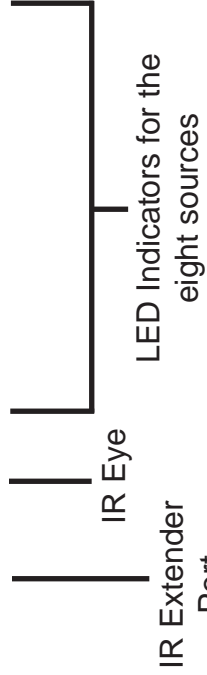
## Features

- Switch easily between any eight HDMI sources
- Extends the range of HDMI compliant device by equalizing and reclocking the HDMI signal
- Maintains high resolution video - beautiful, sharp HDTV resolutions up to 1080p, 2k, and computer resolutions up to 1920 x 1200 are easily achieved
- Discrete IR remote (included)
- No loss of quality
- Serial RS-232 remote port
- HDCP pass-through
- HDMI pass-through
- Installs in minutes
- Rackmountable

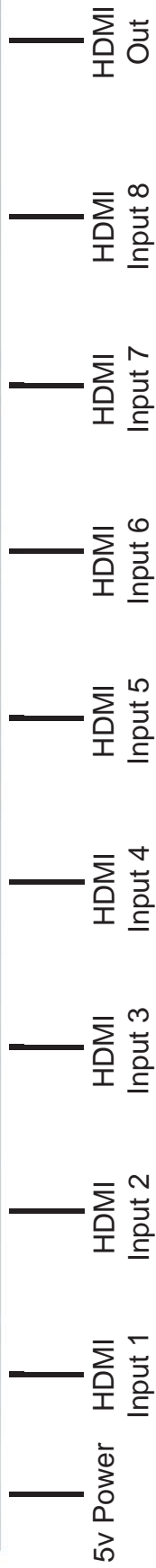
## Includes:

- (1) 8x1 HDMI Switcher
- (1) RMT-8IR Remote control
- (8) 6-foot HDMI cables
- (1) 5VDC Power Supply
- (1) User's Manual
- (1) Set of Rack Ears

# PANEL DESCRIPTIONS



RS-232 Port



# **CONNECTING AND OPERATING THE 8x1 HDMI SWITCHER**

---

## **How to Connect the 8x1 HDMI Switcher to your devices**

1. Connect the supplied HDMI cables from the HDMI sources into the HDMI Switcher Inputs.
2. Connect the cable from your display (HDTV or projector) into the HDMI Out of the 8x1 HDMI Switcher.
3. Connect 5V power supply to the HDMI 8x1 Switcher.

## **How to Operate the 8x1 HDMI Switcher**

1. Use the RMT8-IR remote control port to remotely switch between sources.
2. Alternatively, use an RS-232 control system to switch between sources.

## RMT8-IR INSTALLATION

---

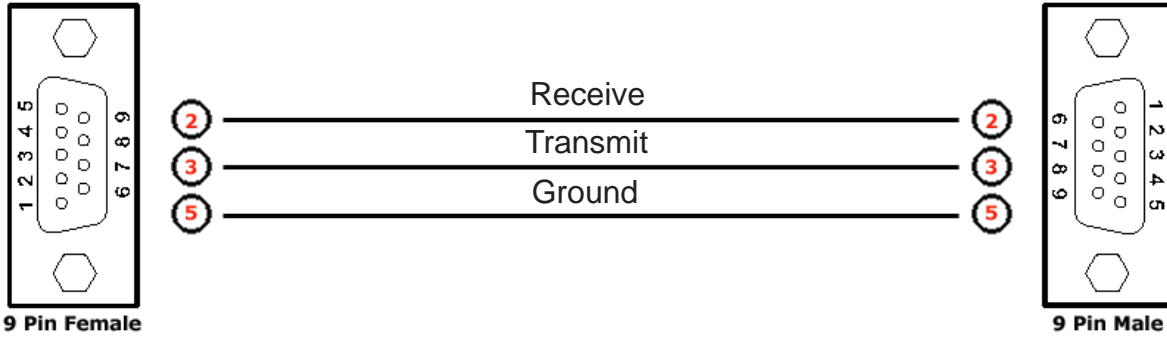
1. Remove battery cover from the back of the RMT8-IR remote.
2. Verify that dip switches 1 & 2 are in the down (OFF) position.
3. Insert the battery, hold the battery so that you can see the positive side facing up. The side that is not marked must be facing down.
4. Underneath the unit are a set of dip switches that need to match the switches on the remote. Find and remove the silver sticker to show the dip switches underneath the unit. Verify that switches 1 & 2 on the unit are both on the down (OFF) position. There are 4 possible sets of IR Codes which at least one should relieve any IR conflicts with other Home Theater devices.
5. Test the RMT8-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 RMT8-IR ships with two batteries. One battery is required for operation, the second battery is complimentary.





# RS-232 INTERFACE



## Binary Table

ASCII	Input	Binary
1	1	0011 0001
2	2	0011 0010
3	3	0011 0011
4	4	0011 0100
5	5	0011 0101
6	6	0011 0110
7	7	0011 0111
8	8	0011 1000

## RS232 Settings

Bits per second ..... 19200  
 Data bits ..... 8  
 Parity ..... None  
 Stop bits ..... 1  
 Flow Control ..... None

## SPECIFICATIONS

---

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
HDMI Connector.....	Type A 19 pin female
Remote Control Port.....	RS232 female, mini-stereo
Power Consumption .....	20 watts (max)
Power Supply .....	5V DC
Dimensions .....	17" W x 1.75" H x 4.375" D
Rackmountable .....	1 Rack Space
Shipping Weight .....	12 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 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 8x1 HDMI Switcher features and specifications is subject to change without notice.

\* ma - HDMI - 841 \*

**6265 Variel Avenue Woodland Hills, CA 91367**

**1-800-545-6900 818-884-6294 fax: 818-884-3108**

Download from [www.Somanuals.com](http://www.Somanuals.com). All Manuals Search And Download.  
**[www.gefen.com](http://www.gefen.com) [gsinfo@gefen.com](mailto:gsinfo@gefen.com)**

## Free Manuals Download Website

<http://myh66.com>

<http://usermanuals.us>

<http://www.somanuals.com>

<http://www.4manuals.cc>

<http://www.manual-lib.com>

<http://www.404manual.com>

<http://www.luxmanual.com>

<http://aubethermostatmanual.com>

Golf course search by state

<http://golfingnear.com>

Email search by domain

<http://emailbydomain.com>

Auto manuals search

<http://auto.somanuals.com>

TV manuals search

<http://tv.somanuals.com>