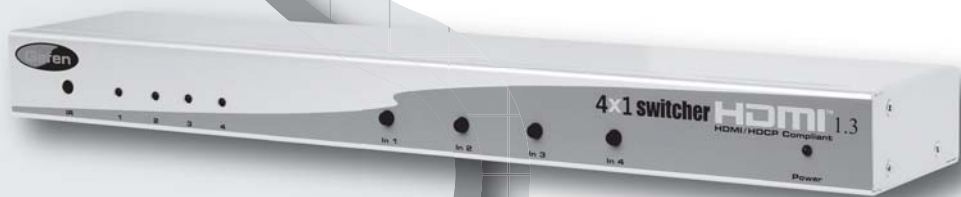


Gefen

HDMI 1.3 4x1 Switcher

USER MANUAL



www.gefen.com

ASKING FOR ASSISTANCE

Technical Support:

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

Fax (818) 772-9120

Technical Support Hours:

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

Write To:

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

www.gefen.com
support@gefen.com

Notice

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

HDMI 1.3 4x1 Switcher is a trademark of Gefen Inc.
HDMI is a trademark of HDMI.org

TABLE OF CONTENTS

- 1 Introduction
- 2 Features
- 3 Panel Descriptions
- 4 Connecting and Operating the HDMI 1.3 4x1 Switcher / Device Buttons
- 5 RMT4-IR Installation
- 6 IR Code Conflicts
- 7 RS-232 Interface
- 8 Specifications
- 9 Warranty

INTRODUCTION

Congratulations on your purchase of the HDMI 1.3 4x1 Switcher. Your complete satisfaction is very important to us.

The HDMI 1.3 4x1 Switcher allows four HDTV HDMI devices to be switched easily into one HDTV HDMI compatible monitor or projector. Simply connect your HDTV display to the Switcher's display output. The HDMI 1.3 4x1 Switcher can also be placed at the end of a long HDMI cable to regenerate the HDMI signal.

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.

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. Gefen offers solutions for home theater, A/V installation, data center, information distribution, conference room presentation, school and corporate training environments.

FEATURES

Features

- Switches easily between any four HDMI 1.3 sources
- Maintains 480i/p, 576i/p, 720p, 1080i, and 1080p resolutions
- Maintains highest HDMI single link video resolution
- Supports HDCP compliant devices
- HDMI or DVI to HDMI cables are used to connect the inputs and switcher output
- Inputs can be switched automatically with the IR remote control or switched using the front panel buttons
- Installs in seconds
- Fully HDMI 1.3 compliant

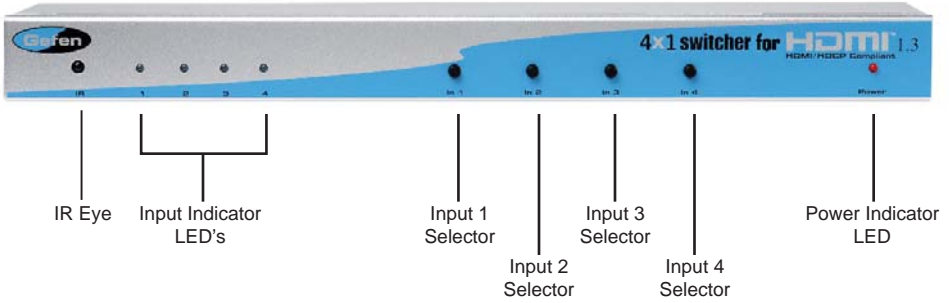
Includes

- (1) HDMI 1.3 4x1 Switcher
- (4) 6' HDMI cables (M-M)
- (1) 5VDC Power Supply
- (1) RMT4-IR Remote Control
- (1) User's Manual

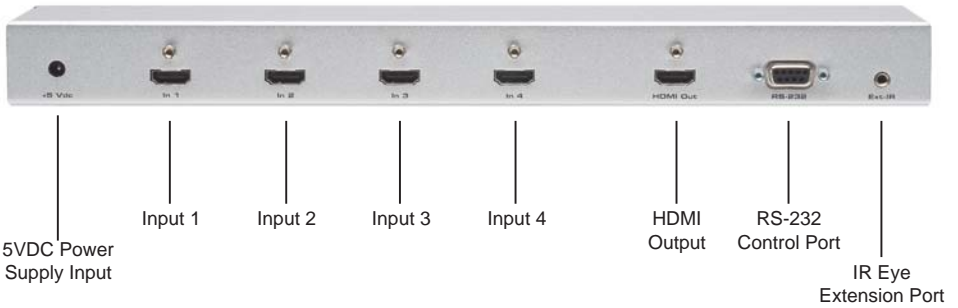


PANEL DESCRIPTIONS

FRONT



BACK



CONNECTING AND OPERATING THE HDMI 1.3 4x1 SWITCHER

How to Connect the HDMI 1.3 4x1 Switcher to your devices

1. Connect the supplied cables from the HDTV HDMI sources into the HDMI 1.3 4x1 Switcher inputs.
2. Connect the cable from your display (monitor or projector) into the HDMI out of the HDMI 1.3 4x1.
3. Plug the 5VDC power supply into the HDMI 1.3 4x1 Switcher.

How to Control the HDMI 1.3 4x1 Switcher

Use the RMT4-IR remote control to toggle between sources or press the input buttons located on the front of the HDMI 1.3 4x1. You can also control the unit using the integrated RS-232 serial connection on the rear of the unit. Please see the RS-232 control section for more details.

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.



IR CODE CONFLICTS

How to Resolve IR Code Conflicts

There are matching pairs of dip switches underneath the Switcher unit and under the remote battery cover. Switch 1 & 2 on the Remote and Switch 7 & 8 underneath the unit are the matching switches. These switches need to be matched for the remote to communicate with the switcher. Switch 1 on the remote is linked to switch 8 on the unit, and switch 2 on the remote is linked to switch 7 on the unit. There are 4 possible sets of IR codes and at least one of these sets should be able to resolve any IR conflicts with other home theater devices.

Remote



Remote Channel 1:



Remote Channel 2:



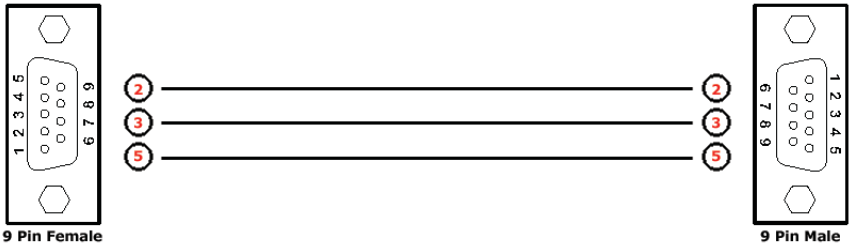
Remote Channel 3:



Remote Channel 4:



RS-232 INTERFACE



Binary Table

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

Terminal Settings

Bits per second 19200

Data bits 8

Parity None

Stop bits1

Flow Control None

SPECIFICATIONS

Video Amplifier Bandwidth	340 MHz
Input Video Signal	1.2 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Single Link Range	1080p/60 16 bit color depth, 1920x1200
HDMI Connector	type A 19 pin female
Remote Control Port	RS232 female, mini-stereo
Power Supply	5V DC
Power Consumption	10 watts (max)
Dimensions	13.25"W x 1"H x 2.75"D
Shipping Weight	6 lbs