



**4x1 HDMI
Switcher
USER MANUAL**

ASKING FOR ASSISTANCE

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Notice

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HDMI is a trademark of hdmi.org

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INTRODUCTION

Congratulations on your purchase of the ex•tend•it 4x1 HDMI 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 HDMI Switcher allows access to four HDTV devices, using one HDTV display.

The ex•tend•it line offers solutions for Home Theater, A/V installation, 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 ex•tend•it 4x1 HDMI 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 HDMI Switcher can also be placed at the end of a long HDMI cable to regenerate the HDMI signal.

FEATURES

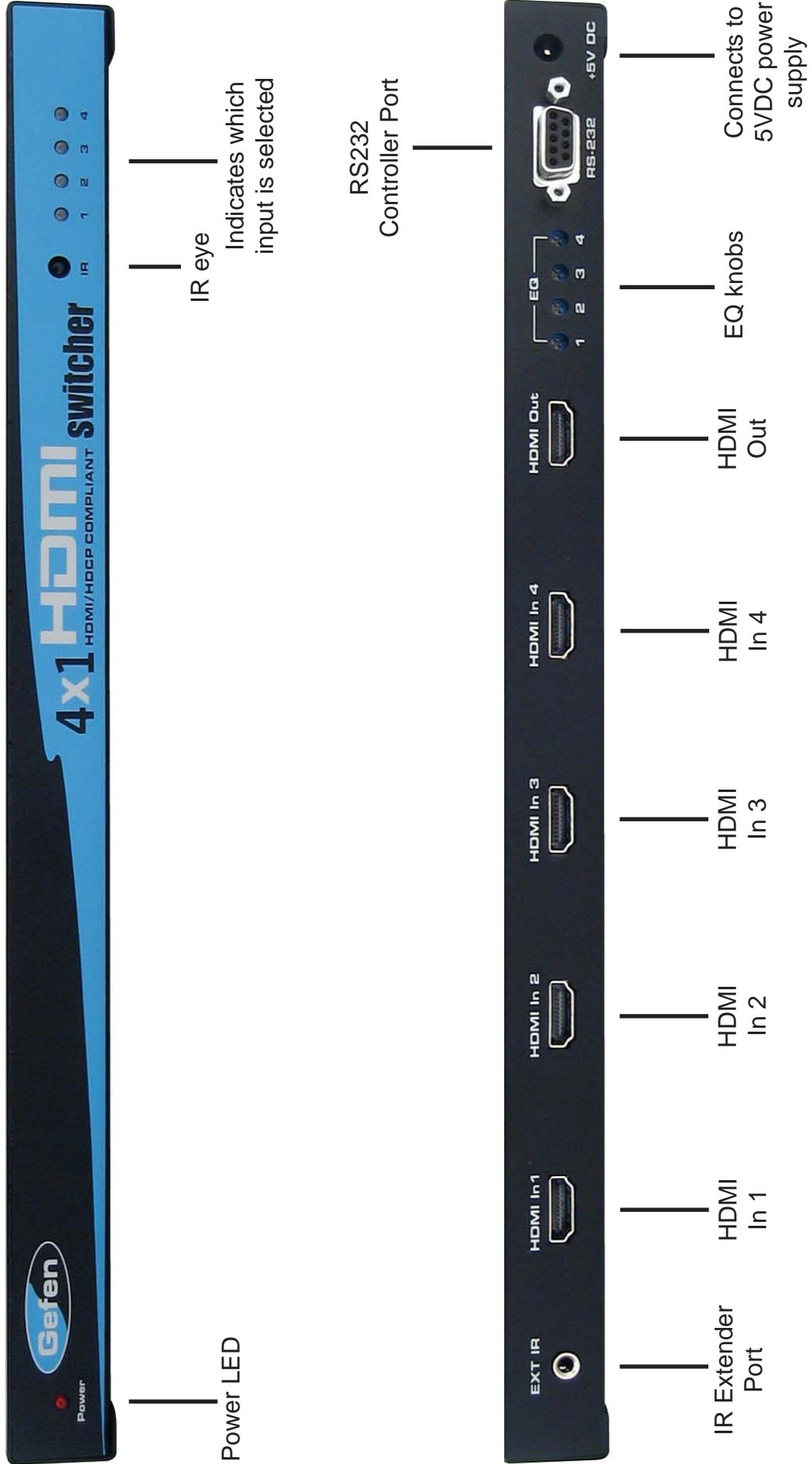
Features

- Switches easily between any four HDMI sources
- Maintains 480p, 720p, 1080i, and 1080p resolutions
- Maintains highest HDMI single link video resolution
- Maintains highest HDMI digital audio signal
- Supports HDCP compliant devices
- HDMI or DVI to HDMI cables are used to connect the inputs and switcher output
- Inputs can be switched with the IR remote control or RS232 control.
- Installs in seconds

Includes:

- (1) 4x1 HDMI Switcher
- (4) 6' HDMI cables (M-M)
- (1) 5VDC Power Supply
- (1) RMT4-IR
- (1) Users Manual

PANEL DESCRIPTIONS



CONNECTING AND OPERATING THE 4x1 HDMI SWITCHER

How to Connect the 4x1 HDMI Switcher to your devices

- 1** Connect the supplied cables from the HDTV HDMI sources into the 4x1 HDMI Switcher inputs.
 - 2** Connect the cables from your display (monitor or projector) into the HDMI out of the 4x1 HDMI Switcher.
 - 3** Plug the 5VDC power supply into the 4x1 HDMI Switcher.
- * Adjust the EQ knob to remove signal noise resulting from longer input cables

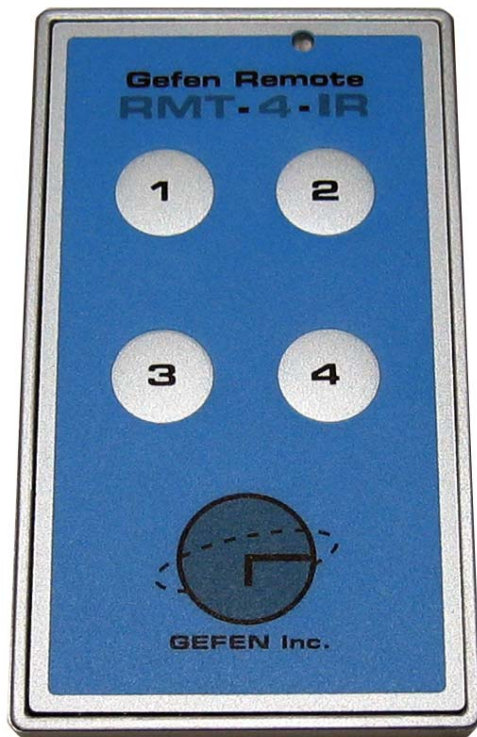
How to Control the 4x1 HDMI Switcher

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

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.



The optional IR extender allows you to relocate your HDMI Switcher and still have IR control of the HDMI Switcher

IR EXTENDER INSTALLATION

How to Connect the IR Extender

- 1 Plug the IR extender into the Remote port on the front of the Switcher Unit
- 2 Flip the Dip Switch 1 underneath the unit to the ON position

IR CODE CONFLICTS

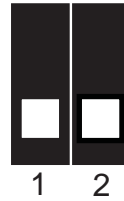
How to Resolve IR Code Conflicts

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 1 & 2 underneath the unit are the matching switches. These switches need to be matched for the remote to communicate with the switcher. 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:



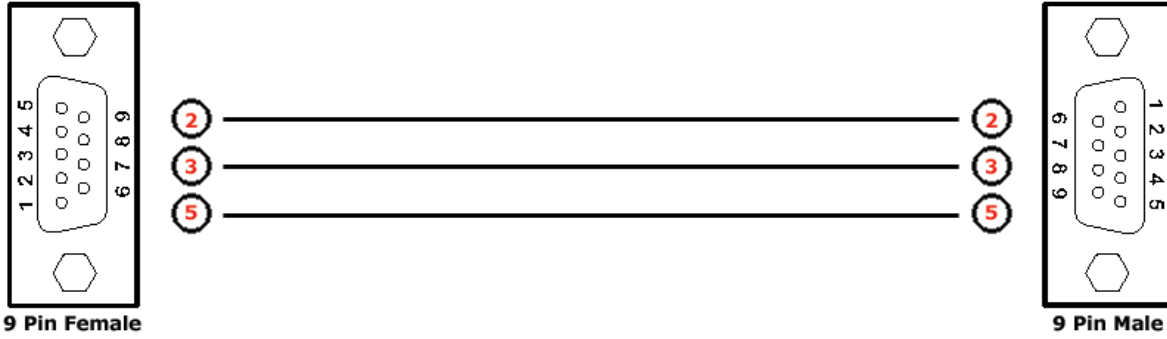
Switcher



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 bits 1

Flow Control None

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 Range1080p / 1920 x 1200
Input Connector Type	HDMI
Output Connector Type	HDMI
Remote Control Port	Male RS232
Power Consumption	15 Watts (max.)
Power Supply	5VDC
Dimensions	8.25"W x 1.125"H x 2.75"D
Shipping Weight	5 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 HDMI Switcher features and specifications is subject to change without notice.