

Gefen

®

3x1 Switcher For HDMI™ 1.3

EXT-HDMI1.3-341

User Manual



www.gefen.com

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Notice

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INTRODUCTION

Congratulations on your purchase of the 3x1 Switcher for HDMI 1.3 . Your complete satisfaction is very important to us.

Gefen

Gefen is a unique product line catering to the growing needs for innovative home theater solutions. We specialize in total integration for your home theater, while also focusing on going above and beyond customer expectations to ensure you get the most from your hardware. We invite you to explore our distinct product line and hope you find your solutions. Don't see what you are looking for here? Please call us so we can better assist you with your particular needs.

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.

The Gefen 3x1 Switcher for HDMI 1.3

Gefen's 3x1 HDMI Switcher routes high definition video in multiple resolutions up to 1080p plus multichannel digital audio from any of three sources. Three inputs accommodate the simultaneous connection of up to three high definition video sources, such as satellite systems and Blu-Ray players. The output sends the high definition audio/video signals to a high definition display. Switching is done via the IR remote that is provided with the unit.

How It Works

Simply connect all sources to the Switcher's inputs. Then connect the display on the output port. Once the sources, the Switcher and the display(s) are powered and connected, simply select the source to view using the I/R remote.

FEATURES

Features

- Switches easily between any three 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 with the IR remote control or by using the select button on the front panel
- Installs in seconds
- Fully HDMI 1.3 compliant

HDMI 1.3 Features:

- * Lip Sync Pass Through
- * 225 MHz (up to 12 bit YUV 444 supported @ 1080p)
- * Deep Color Supported (XV Color Supported)
- * Dolby TrueHD & DTS Master Supported
- * CEC Source Switching Enabled

Package Includes

- (1) 3x1 Switcher for HDMI 1.3
- (3) 6 Foot HDMI Cables (M-M)
- (1) 5VDC Power Supply
- (1) RMT3-IR Remote Control
- (1) User's Manual

CONNECTING THE 3x1 SWITCHER FOR HDMI 1.3

How to Connect the 3x1 Switcher for HDMI 1.3 to your devices

Connect the supplied cables from the HDMI-compliant sources into the 3x1 Switcher for HDMI 1.3.

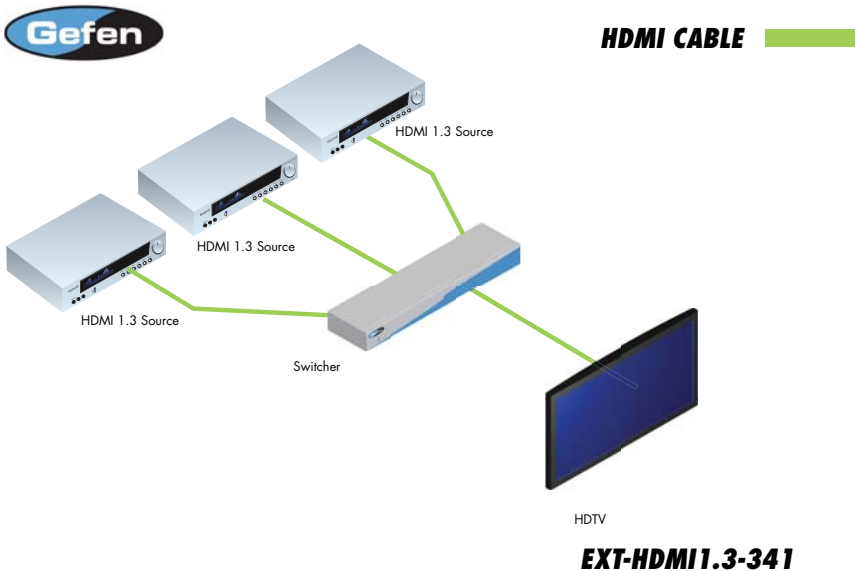
Connect the cable from your display (monitor or projector) into the HDMI output of the 3x1 Switcher for HDMI 1.3.

Plug the 5VDC power supply into the 3x1 Switcher for HDMI 1.3.

How to Control the 3x1 Switcher for HDMI 1.3

Use the RMT3-IR remote control to toggle between sources on the 3x1 Switcher for HDMI 1.3. You can also use the Select Button on the front panel to cycle between the inputs.

Wiring Diagram for the 3x1 Switcher for HDMI 1.3

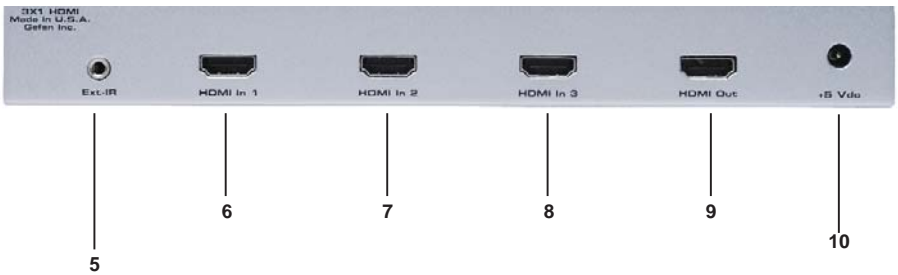


PANEL LAYOUT

Front Panel



Back Panel



PANEL DESCRIPTIONS

1 Power LED Indicator

This LED will become active once the included 5V DC power supply is properly connected between the unit and an open wall power socket.

2 I/R (Infrared) Receiver

This receiver will accept command for switching between input devices using the included RMT3-IR remote control. Line of sight must be preserved between the remote and unit for proper operation

3 Selected Input LED Indicator

There is a 3 LED array to indicate which source is currently selected on the 3x1 Switcher. The currently selected input will be indicated by an active LED.

4 Input Source Selector Button

Pressing this button will manually switch between as many as three HDMI sources connected on the rear of the Switcher. The inputs ports (items 6, 7, and 8 below) can accept (up to three) HDMI-compliant devices. The selected input source is sent to the single output. Selection of input sources may also be accomplished using the included RMT-3IR remote control or via the RS-232 serial communication port.

5 I/R Extension Port

This port is used to control input source switching on the 3x1 HDMI Switcher.

6 HDMI Input 1

This port can accept HDMI connections from any HDMI-compliant source device.

7 HDMI Input 2

This port can accept HDMI connections from any HDMI-compliant source device.

8 HDMI Input 3

This port can accept HDMI connections from any HDMI-compliant source device.

9 HDMI Output

This port provides the Switcher's HDMI output signal to a single HDMI-compliant output device/display.

10 5V DC Power Supply Input

This receptacle accepts power from the included 5V AC/DC power supply. Connect the included power supply to an open wall power socket, then connect the 5V DC power tip to this receptacle.

RMT3-IR INSTALLATION

1. Remove battery cover from the back of the RMT3-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 RMT3-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.

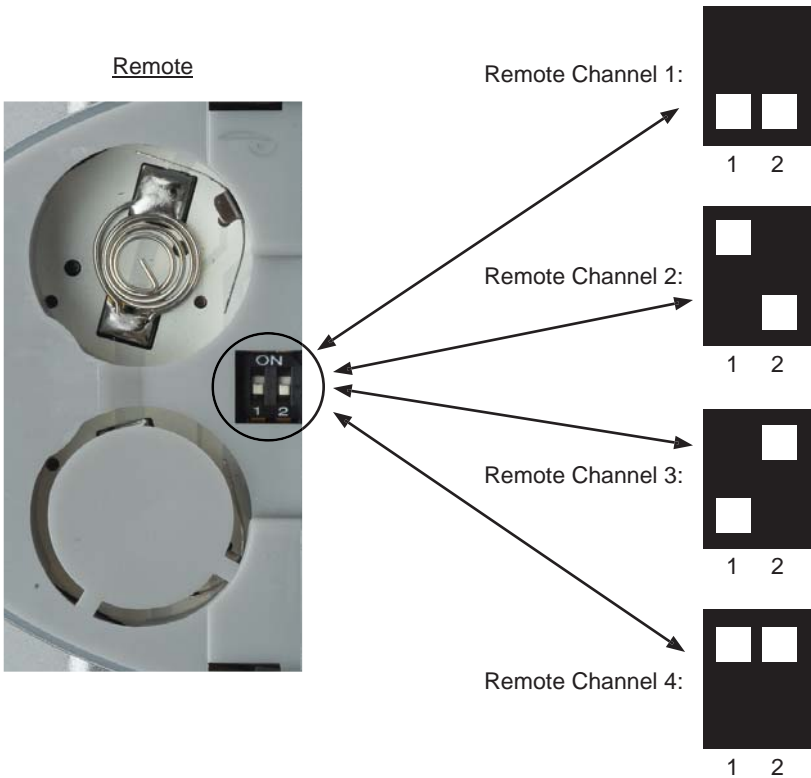
Note: The RMT3-IR ships with two batteries.



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 1 & 2 (switches 3 and 4 are not used) on the dip switch bank located underneath the unit. These switches need to be matched for the remote to communicate with the switcher. Switch 1 on the remote is linked to switch 1 on the unit, and switch 2 on the remote is linked to switch 2 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.



SPECIFICATIONS

Video Amplifier Bandwidth	225 MHz
Input Video Signal	1.2 Volts p-p
Input DDC Signal	5 Volts p-p (TTL)
Single Link Resolution	1080p/60 10 bit Color Depth, 1920x1200
HDMI Connector	Type A 19 Pin Female
Remote Control Port	Mini-Stereo 3.5mm
Power Supply	5V DC
Power Consumption	5 Watts (max)
Dimensions	9.4"W x 1.1"H x 2.7"D
Shipping Weight	4 lbs.

WARRANTY

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

If equipment fails because of such defects and Gefen is notified within two (2) years from the date of shipment, Gefen 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 cables must be in their original condition.

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

For the latest warranty coverage information, please visit Gefen's Warranty web page at <http://www.gefen.com/kvm/aboutus/warranty.jsp>

PRODUCT REGISTRATION

Please register your product online by visiting Gefen's web site at <http://www.gefen.com/kvm/Registry/Registration.jsp>

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Rev X1

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