



# HDTV 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.

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# INTRODUCTION

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Congratulations on your purchase of the ex•tend•it HDTV 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 HDTV Switcher allow access to multiple HDTV devices, using a single HDTV display while the HDTV extender product line can extend the DVI video signal up to 1640 feet (500 meters).

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 ex•tend•it HDTV Switcher allows two HDTV DVI devices to be switched easily in to one HDTV DVI compatible monitor or projector. The HDTV switcher can also be placed at the end of a long DVI cable to regenerate the DVI signal.

# FEATURES

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## Features

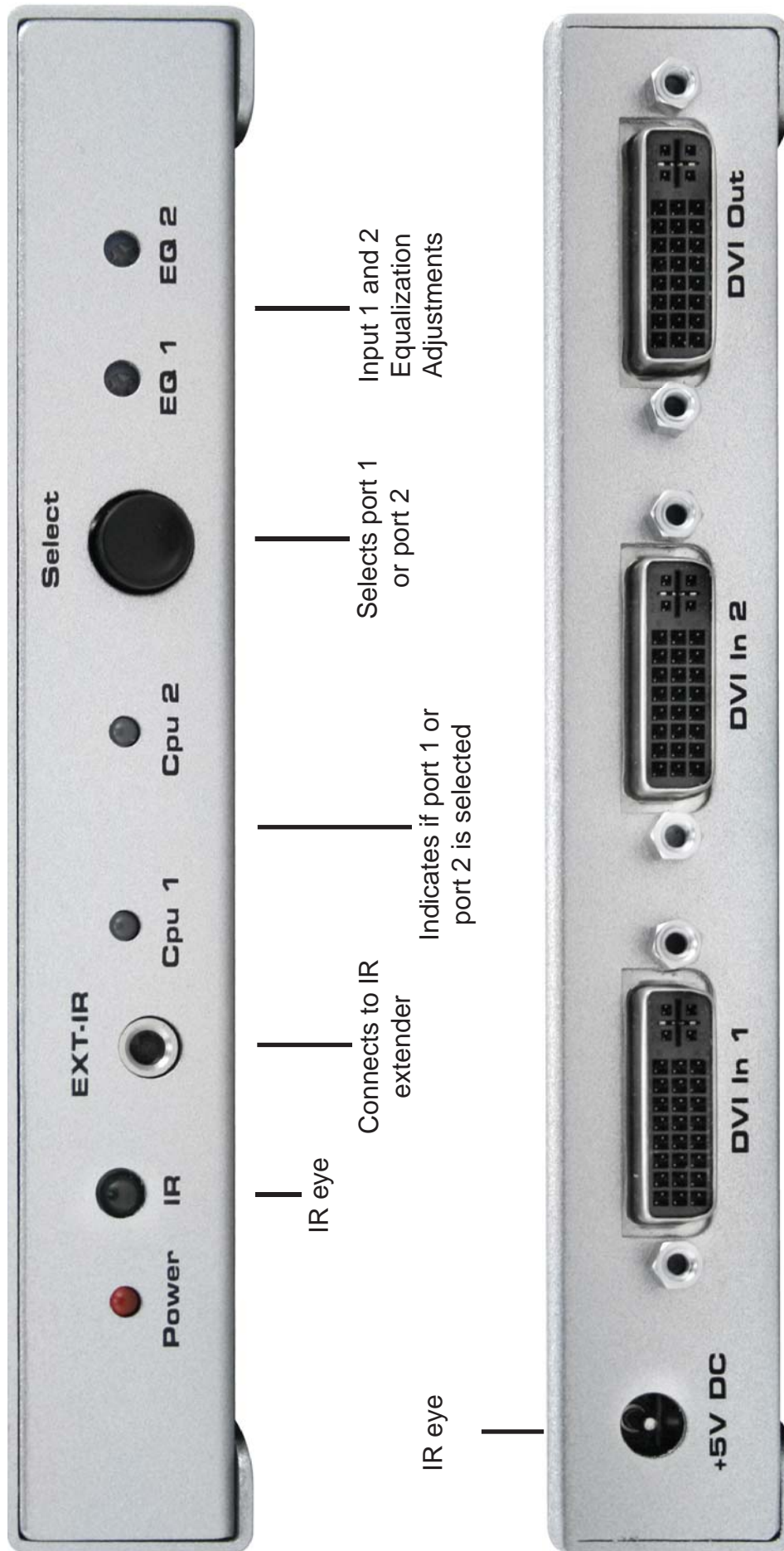
- Switches easily between any two HDTV sources
- Maintains 480i, 480p, 720p, 720i, 1080i, and 1080p (1920x1200) resolutions
- Extends any DVI compliant device by regenerating the DVI signal
- Maintains highest DVI single link video resolution
- Supports DDWG standard for DVI compliant monitors
- Supports HDCP compliant devices
- Optional RMT-2 remote control
- DVI cables are used to connect the DVI inputs and HDTV Switcher output
- Installs in seconds

## Includes:

2x 6' DVI-D cables (m-m)  
5V DC Power Supply  
RMT2-IR  
HDTV Switcher



# PANEL DESCRIPTIONS



# Connecting and Operating the HDTV Switcher

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## How to Connect the HDTV Switcher to your devices

- 1 Connect the supplied DVI cables from the HDTV DVI sources into the DVI Switcher Input.
- 2 Connect the cable from your display (monitor or projector) into the DVI Out of the HDTV Switcher.
- 3 Connect the 5VDC power supply into the HDTV Switcher.
- 4 If any pixels are present on the video on either input, adjust the EQ associated with the particular input with the pixels.

## How to Operate the HDTV Switcher

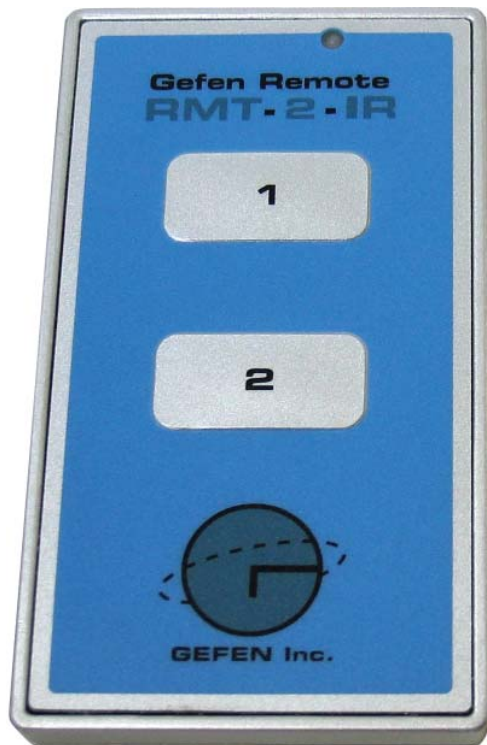
- 1 Use the front panel push button to switch between sources.
- 2 Alternatively, use the RMT2-IR remote control port to remotely toggle between sources.

## RMT2-IR Installation

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1. Remove battery cover from the back of the RMT2-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 RMT2-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 RMT2-IR ships with two batteries. One battery is required for operation, the second battery is complimentary.



The optional IR extender allows you to re-locate your HDTV switcher and still have IR control of the HDTV Switcher



# IR Code Conflicts

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## 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 3 & 4 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.



# IR Extender Installation

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## 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

## 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 .....               | 1920 x 1200                          |
| DVI Input/Output Connector Type ..... | DVI-I (29 pin) female (digital only) |
| Power Consumption .....               | 5 Watts (max)                        |
| Power Supply .....                    | 5V DC                                |
| Dimensions .....                      | 6.25"W x 1"H x 3.25"D                |
| Shipping Weight .....                 | 3 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 HDTV Switcher features and specifications is subject to change without notice.

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