



4x1 HD Digital Audio Switcher

USER MANUAL

ASKING FOR ASSISTANCE

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Notice

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INTRODUCTION

Congratulations on your purchase of the ex•tend•it 4x1 HD Digital Audio 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 HD Digital Audio Switcher allow access to multiple HDTV devices, using a single HDTV display while the HDTV extender product line can extend the HD 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 4x1 HD Digital Audio Switcher allows two HDTV HD devices to be switched easily in to one HDTV HD compatible monitor or projector. Simply connect your HDTV display to the Switcher's display output and your digital audio to the digital out. The 4x1 HD Digital Audio Switcher can also be placed at the end of a long HDMI cable to regenerate the HD signal.

FEATURES

Features

- Switches easily between any four (4) HDTV sources
- Maintains 480i, 480p, 720p, 720i, and 1080i, 1080p resolutions
- Extends any HDMI compliant device by regenerating the HDMI signal
- Maintains highest HDMI single link video resolution
- Supports DDWG standard for HDMI compliant monitors
- Supports HDCP compliant devices
- Optional RMT-4 wired remote control
- HDMI cables are used to connect the HDMI inputs and 4x1 HD Digital Audio Switcher output
- TOSLINK cables are used to connect the TOSLINK inputs and 4x1 TOSLINK Digital Audio Switcher output
- Installs in seconds

Includes:

- (1) 4x1 HD Digital Audio Switcher
- (4) 6' HDMI cables (M-M)
- (4) 6' TOSlink cables
- (1) 5VDC Power Supply
- (1) RMT4-IR

PANEL DESCRIPTIONS



*** Note: Picture shows a 2x1 Unit, which is identical except that it has 2 less inputs and outputs. ***



Optical Out

SPDIF Out

Connects to IR
extender

IR eye

Indicates if port 1 or
port 2 is selected

Selects port 1
or port 2



Connects to
5VDC power supply

Input 1

HD Out

Input 2

SPDIF 1

SPDIF 2

OPT 1

OPT 2

CONNECTING AND OPERATING THE 4X1 HD DIGITAL AUDIO SWITCHER

How to Connect the 4x1 HD Digital Audio Switcher to your devices

- 1** Connect the supplied HDMI cables from the HDTV HD sources into the 4x1 HD Digital Audio Switcher inputs.
- 2** Connect the digital audio cables from your devices into the 4x1 HD Digital Audio Switcher inputs. Make sure the digital audio matches the digital video input.
- 3** Connect the cable from your display (monitor or projector) into the HD Out of the 4x1 HD Digital Audio Switcher.
- 4** Connect your digital audio receiver to the 4x1 HD Digital Audio Switcher output.
- 5** Plug the 5VDC power supply into the 4x1 HD Digital Audio Switcher.

How to Operate the 4x1 HD Digital Audio Switcher

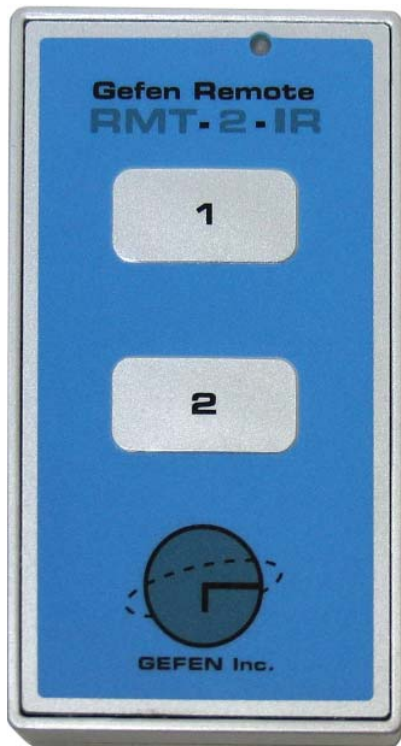
- 1** Use the front panel push button to switch between sources.
- 2** Alternatively, use the RMT4-IR remote control port to remotely toggle between sources.

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.

*** Note: Two-button remote RMT2-IR is shown instead of four-button RMT4-IR here. Aside from the number of buttons, appearance and operation are identical between the two devices. ***



The optional IR extender allows you to relocate your 4x1 HD Digital Audio Switcher and still have IR control of the 4x1 HD Digital Audio Switcher

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 Range	1920 x 1200
HD Input/Output Connector Type	HDMI
Power Consumption	15 Watts (max.)
Power Supply	5VDC
Dimensions	4.75"D x 11.125"W x 1.25"H
Shipping Weight	2 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 2x1 HD Digital Audio Switcher features and specifications is subject to change without notice.