Gefen

RMT-MATRIX-444 & RMT-2-CAT5

USER MANUAL

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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.

The RMT-MATRIX-444 & **RMT-2-CAT5** is a trademark of Gefen Inc.

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INTRODUCTION

Thank you for purchasing the RMT-MATRIX-444 and/or the RMT-2-CAT5.

The RMT-MATRIX-444 is a powerful tool that can be used with the EXT-DVIKVM-444. It will allow you to remotely switch your sources. If your remote station is located in another room, you can easily switch to another source by pressing one of the four pushbutton switches on the RMT-MATRIX-444. This box easily connects to the EXT-DVIKVM-444 by one CAT5e cable. You can use up to four RMT-MATRIX-444 units with the EXT-DVIKVM-444 to have the ability to switch at all four remote workstations.

The RMT-2-CAT5 now gives your Gefen 4x4 Matrix box the power of remote switching. The RMT-2-CAT5, in conjunction with up to four RMT-MATRIX-444 units, will extend your ability to manage your sources at each remote display. It will work with any of our 4x4 matrix untis listed below. Your remote switching is easily setup by using one CAT5e cable from the RMT-MATRIX-444 to the RMT-2-CAT5, and then connecting the RMT-2-CAT5 to your matrix switcher by using a serial cable. You can now switch your sources at each display without ever having to switch locally again.

OPERATION NOTES

READ THESE NOTES BEFORE INSTALLING
OR OPERATING THE HOME THEATER SCALER

- The RMT-MATRIX-444 and RMT-2-CAT5 units are housed in a metal box for better RF shielding.

- Industry standard Category-5 (CAT-5) cables are used to operate the RMT-MATRIX-444 and RMT-2-CAT5.

- The RMT-MATRIX-444 is designed to work with the EXT-DVIKVM-444 or in conjunction with the RMT-2-CAT5.

- The RMT-2-CAT5, with up to four RMT-MATRIX-444 units, will work with these Gefen products:

> EXT-HDTV-444N
> EXT-HDTVKVM-444
> EXT-DVI-444N
> EXT-HDMI-444
> EXT-COMPAUD-444

FEATURES

• Remote switching of sources on compatible products

INCLUDES:

RMT-MATRIX-444
(1) RMT-MATRIX-444
(1) 10ft CAT5e cable
(1) User manual

RMT-2-CAT5
(1) RMT-2-CAT5
(1) 5V 2 Amp power supply
(1) User manual

Back

RJ45 (CAT5e)   IR   RS-232 (Serial)
Ouptut   Extension   Output

Front

IR
Receiver

Source LED indicator

Top

Source Selector
Button

3

Back

5V DC
Input

RJ45 (CAT5e)
Inputs From RMT-MATRIX444

Front

RS-232 (Serial)
Output To Compatible Gefen Product

3
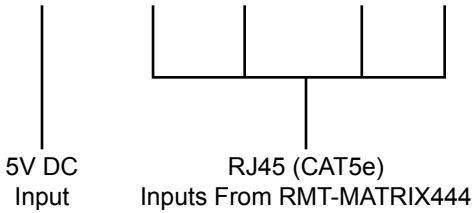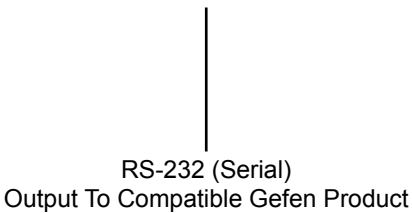
USING THE RMT-MATRIX-444

1. Connect a CAT5/6 cable between the RMT-MATRIX-444 and one of the CAT5 ports on the rear of the DVIKVM-444N. The ports are labeled as RMT A, B, C, and D and correspond with DVI out ports 1, 2, 3, and 4.

2. Use the contact buttons on the RMT-MATRIX-444 to switch between the different inputs connected to the DVIKVM-444N. Switches A, B, C, and D correspond to sources 1, 2, 3, and 4. Optionally, you can use a RMT-4IR (infrared remote) in conjunction with the RMT-MATRIX-444 to switch inputs from a distance.

USING THE RMT-2-CAT5

1. Connect a CAT5/6 cable between the RMT-MATRIX-444 and one of the CAT5 ports on the rear of the RMT-2-CAT5. The ports are labeled as RMT 1, 2, 3, and 4, which correspond with any of our matrixs' 1, 2, 3, and 4 display outputs.

2. Connect a serial cable (must not be a null modem serial cable) between the RMT-2-CAT5 and the compatible Gefen matrix product.

3. Use the contact buttons on the RMT-MATRIX-444 to switch between the different inputs connected to the compatible Gefen matrix product. Switches A, B, C, and D correspond to sources 1, 2, 3, and 4 on any of our matrix units. Optionally, you can use a RMT-4IR (infrared remote) in conjunction with the RMT-MATRIX-444 to switch inputs from a distance.

The RMT-MATRIX-444 has a RS-232 serial port for control by external serial devices. Use the table below to setup your external serial control device.

9 Pin Female   9 Pin Male
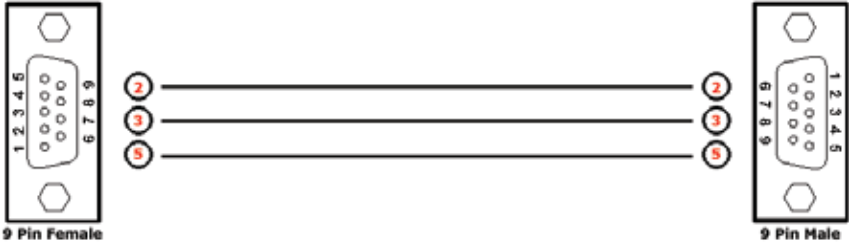
Binary Table

ASCII	Corresponding Display/Source	Binary	ASCII	Corresponding Display/Source	Binary
1	1/1	0011 0001	9	3/1	0011 1001
2	1/2	0011 0010	a	3/2	0110 0001
3	1/3	0011 0011	b	3/3	0110 0010
4	1/4	0011 0100	c	3/4	0110 0011
5	2/1	0011 0101	d	4/1	0110 0100
6	2/2	0011 0110	e	4/2	0110 0101
7	2/3	0011 0111	f	4/3	0110 0110
8	2/4	0011 1000	g	4/4	0110 0111

RS232 Settings

Bits per second 19200

Data bits 8

Parity .... None

Stop bits 1

Flow Control .... None