

WyreStorm

MAT4T410 Operating Instructions

HDMI Matrix (Router Type)

Model No. MAT4T410 (P/N of this manual is INS- MAT4T410)



Features

- 1) Easy to use: install in seconds, no need for setting.
- 2) Allows up to four HDMI audio/video devices to be independently switched to four HDMI monitors, HDTVs, or projectors.
- 3) The four outputs can show the same or different source simultaneously no matter if the source is HDCP or not.
- 4) The four outputs all include two dual RJ-45 connectors that can output simultaneously.
- 5) Unit supports high definition resolutions 1080p, 1080i, 720p and other standard video formats.
- 6) Each port supports HDMI or DVI inputs.
- 7) Comes with extra infrared receiver extension.
- 8) Three switching modes: panel buttons, local IR and RS232.
- 9) HDCP compliant.

Dear customer:

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

NOTICE

Wyrestorm reserves the right to make changes in the hardware, packaging and any accompanying documentation without prior written notice.

WARNING:

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE:

- 1) DO NOT EXPOSE THIS UNIT TO WATER OR MOISTURE OF ANY KIND.
- 2) DO NOT INSTALL OR PLACE THIS UNIT IN A BOOKCASE, BUILT-IN CABINET OR IN ANY OTHER CONFINED SPACE. MAKE SURE THE UNIT IS WELL VENTILATED.
- 3) TO PREVENT RISK OF ELECTRIC SHOCK OR FIRE HAZARD DUE TO OVERHEATING, DO NOT OBSTRUCT THE UNIT'S VENTILATION OPENINGS.
- 4) DO NOT INSTALL NEAR ANY HEAT SOURCE OR OTHER UNITS THAT MAY PRODUCE HEAT.
- 5) DO NOT PLACE UNIT NEAR FLAMES.
- 6) CLEAN THIS UNIT ONLY WITH DRY CLOTH.
- 7) UNPLUG THIS UNIT DURING LIGHTNING STORMS OR WHEN UNUSED FOR LONG PERIODS OF TIME.
- 8) PROTECT THE POWER CORD FROM BEING WALKED ON OR PINCHED PARTICULARLY AT PLUGS.
- 9) ONLY USE ATTACHMENTS/ACCESSORIES SPECIFIED BY THE MANUFACTURER.
- 10) REFER ALL SERVICING TO QUALIFIED SERVICE PERSONNEL.

TABLE OF CONTENTS

Introduction
Package Contents
Panel Descriptions
Connect and Operation
Specification
Typical Application
Maintenance
Product Service
Warranty
Contact Information

INTRODUCTION

Wyrestorm's MAT4T410 is a 4-by-4 HDMI true matrix. It allows any source (Blue-Ray player, HD DVD player, satellite receiver, game system, etc.) to be shown on the any of the four displays simultaneously, no matter if the source is HDCP or not. Extra infrared receiver extension, IR emitter and RS232 ports are supplied for remote control.

MAT4T410 has the ability of equalization and amplification to ensure HDMI signal's transmission through long cable lengths without loss of quality.

MAT4T410 offers solutions for digital entertainment centers, HDTV retail and show sites, HDTV, STB, DVD and projector factories with noise, space and security concerns, data center control, information distribution, conference room presentations, schools and corporate training environments.

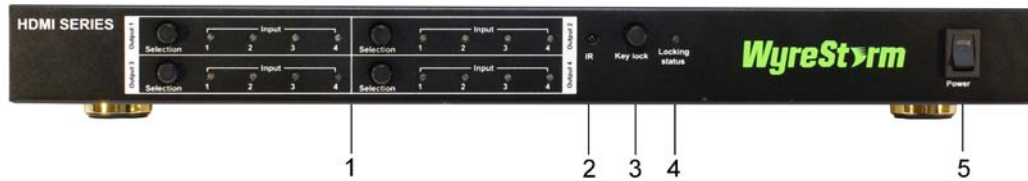
PACKAGE CONTENTS

- 1) Main unit. P/N_ MAT4T410.
- 2) 5VDC Power Supply P/N_ VDC0504.
- 3) Remote.
- 4) IR extension cable.
- 5) Operating Instructions. P/N_INS- MAT4T410.

*PART NUMBER (Abbreviation as P/N).

PANEL DESCRIPTIONS

Front panel



- 1) Output selection and indicator of input for output port 1 to 4.
- 2) IR window.
- 3) Key lock button.
- 4) Indicator of locking status-when the output selection buttons are locked, the inside LED is lit.
- 5) Power switch.

Rear panel



- 1) RS232 port.
- 2) Power input.
- 3) IR extension.
- 4) Output 1 and 2 with CAT5E.
- 5) Input ports 1 to 4.
- 6) Output 3 and 4 with CAT5E.

Note: RS232 port is for matrix control.

CONNECT AND OPERATION

- 1) Connect the HDMI input sources (such as HD-DVD, PS3, STB etc.) into MAT4T410.
- 2) Connect the UTP outputs (such as HD-LCD, HD-DLP) into MAT4T410.
- 3) Power on the input source you want to show. (Keep the unused input power off, otherwise it may interfere the normal display.)
- 4) Connect the power supply into MAT4T410 and turn on the display you want to watch.

- 5) Use remote or push the button to choose input source. Extra infrared receiver extension and RS232 port are supplied for remote control.
- 6) IR calls back from remote rooms to control the HDMI Matrix function.
 Enable the function: press the output 2 selection button and the key lock button at the same time for about 3 seconds. After all the output 1 LEDs and the output 2 LEDs flash once, the function is enabled. Disable the function: press the output 2 selection button and the key lock button at the same time for about 3 seconds. After all the output 1 LEDs and the output 2 LEDs flash twice, the function is disabled.

Attention:

- 1) Please insert or extract cables gently.

SPECIFICATIONS

Operating Temperature Range	-5 to +35°C (-41 to +95 °F)
Operating Humidity Range	5 to 90 % RH (no condensation)
Input Video Signal	0.5-1.0 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Signaling Rate	2.25Gbit/s
Video Format Supported	DTV/HDTV: 1080P/1080i/ 720P/576P/480P/576i/480i
Audio Format Supported	DTS-HD. Dolby true HD
Output Video	HDMI1.3b
UTP cable Transmission Distance	<30m (use WyreStorm UTP receiver, if need longer distance, WyreStorm UTP repeater should be used)
Power Consumption	12 watts (Max)
Dimensions	442mmD×203mmW×44.5mmH/ 17.4"D×8.0"W×1.75"H
Mass (Main Unit)	2kg/4.4lbs.

*Note: Specifications are subject to change without notice. Mass and dimensions are approximate.

MAINTENANCE

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzene to clean this unit.

PRODUCT SERVICE

- 1) Damage requiring service: The unit should be serviced by qualified service personnel if:
 - a) The DC power supply cord or AC adaptor has been damaged;
 - b) Objects or liquids have gotten into the unit;
 - c) The unit has been exposed to rain;
 - d) The unit does not operate normally or exhibits a marked change in performance;
 - e) The unit has been dropped or the cabinet has been damaged.
- 2) Servicing Personnel: Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.
- 3) Replacement parts: When parts need replacing ensure the servicer uses parts specified by the manufacturer or parts that have the same characteristics as the original parts. Unauthorized substitutes may result in fire, electric shock, or other hazards.
- 4) Safety check: After repairs or service, ask the servicer to perform safety checks to confirm that the unit is in proper working condition.

WARRANTY

If your product does not work properly because of a defect in materials or workmanship, WyreStorm (referred to as “the warrantor”) will, for the length of the period indicated as below, (Parts and Labor (2) Year) which starts with the date of original purchase (“Limited Warranty period”), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

During the “Labor” Limited Warranty period there will be no charge for labor. During the “Parts” warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers a product purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.

Mail-In Service

Please contact our customer service department describing the issue, and a new product will be sent to you immediately with an applicable charge. Please place the damaged

product in the new package and send back with the return shipping label provided. Once the damaged product is received, a reimbursement will be provided. Include a letter detailing the complaint and provide a day time phone and/or email address where you can be reached.

IF REPAIR IS NEEDED DURING THE LIMITED WARRANTY PERIOD THE PURCHASER WILL BE REQUIRED TO FURNISH A SALES RECEIPT/PROOF OF PURCHASE INDICATING DATE OF PURCHASE, AMOUNT PAID AND PLACE OF PURCHASE. CUSTOMER WILL BE CHARGED FOR THE REPAIR OF ANY UNIT RECEIVED WITHOUT SUCH PROOF OF PURCHASE.

LIMITED WARRANTY LIMITS AND EXCLUSIONS

1) This Limited Warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The Limited Warranty ALSO DOES NOT COVER failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or service by anyone other than a Factory Servicenter or other Authorized Servicer, or damage that is attributable to acts of God.

2) THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE." THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, travel to and from the servicer, loss of or damage to media or images, data or other recorded content. The items listed are not exclusive, but are for illustration only.)

3) PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY.



Thank you for your purchase.

We appreciate your business. Please contact us with your question and comments.

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