INSTRUCTION MANUAL

HDTV Supply, Inc
Los Angeles, CA

WolfPack 4K 30 Hz 4x4 Seamless HDMI Matrix with Video Wall, Rotating, Splicing, Capture & Multi-Viewer Modes

Part Number: HDTV4x4AMSMTX

Before using the product, please carefully read the manual and safekeep it.

HDTV SUPPLY

*24-Year Global Home
For Audio & Video Products*

To protect the device and operating personnel from electrostatic discharge, ensure that the device is properly grounded before powering it on. Please observe the following guidelines when installing, using, or maintaining this equipment.

Keep the apparatus away from moisture and liquids to prevent damage.

Clean the apparatus using only a dry cloth.

Ensure proper ventilation and avoid placing the unit in confined spaces.

Disconnect from power during storms or prolonged periods of non-use.

Do not obstruct ventilation openings to prevent overheating and potential hazards.

Prevent the power cord from being damaged by pressure or excessive bending.

Keep the unit away from heat sources to maintain safe operation.

Use only manufacturer-approved accessories.

Avoid placing open flames near or on the unit.

Seek professional servicing when required.

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FORWORD

- Thank you for choosing our product. We appreciate your support. For your safety and to ensure proper operation of the equipment, please read this manual carefully before use.

- Please safeguard the product's warranty label. The label affixed to the unit serves as proof of warranty and must be preserved.

- This manual is intended for operational guidance only and does not cover maintenance or repair services. Any future changes to features or specifications will be noted in updated documentation.

- Refer to this manual first if you encounter any questions while using the product. It provides detailed instructions for operation and should be followed closely. If you require further assistance, please contact our support team—we're committed to providing you with prompt and helpful service.

- **Note:** This manual is subject to change without prior notice.

DISCLAIMERS

The information in this manual has been thoroughly reviewed and is believed to be accurate. However, we are not responsible for any patent infringements or third-party rights violations that may arise from its use.

We do not accept liability for any inaccuracies in this document, nor do we guarantee updates or the continued accuracy of the information provided.

We reserve the right to make changes or improvements to this document and/or product at any time without prior notice.

COPYRIGHT NOTICE

TRADEMARK ACKNOWLEDGMENTS

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Important Safety and Installation Guidelines

To ensure reliable operation and the safety of personnel, please carefully observe the following instructions during installation, use, and maintenance of this equipment:

- Do not use the product in hazardous environments, such as areas with dust, oil smoke, conductive particles, corrosive or flammable gases, excessive heat, moisture, rain, wind, vibration, or impact. Exposure to these conditions may lead to electric shock, fire, or equipment malfunction.

- Keep the ventilation areas clear of any foreign objects or packaging materials (e.g., contact paper). Obstructed airflow may cause overheating, fire hazards, or malfunction.

- Avoid handling cables (connecting, unplugging, or rewiring) while the equipment is powered on. This may cause electric shock or damage the circuitry.

- Ensure all installation and wiring connections are secure and reliable. Loose connections may lead to faulty operation.

- In high-interference environments, use shielded cables for all high-frequency signal input/output connections to maintain proper system performance. Only perform installation or wiring after the external power supply is completely shut off to prevent electric shock or damage.

- Proper grounding is essential. This device must be grounded using the power line's grounding conductor. Ensure grounding is complete before connecting any input or output terminals to avoid the risk of electric shock.

- Do not touch terminals while the device is powered, as this may cause electric shock or unintended operation.

- Do not clean or service the equipment (e.g., tightening terminals) while it is powered on. Doing so may result in electric shock.

- Do not connect or disconnect communication cables, expansion modules, or control unit cables while the power is on. This may lead to equipment damage or malfunction.

- Do not disassemble the equipment, as internal components may be damaged.

- Thoroughly read this manual before performing any changes, trial operations, maintenance, or shutdowns. For issues that cannot be resolved, please contact our support team for assistance.

OVERVIEW

The **HDTV4x4AMSMTX** is a versatile HDMI controller that integrates multiple functions, including Video Capture, Video Matrix, Quad Multi-Viewer, and Video Splicer. Users can easily switch between modes using front panel buttons or the included remote control. The Video Capture function can also operate in tandem with any of the other three modes.

Input & Output Ports: Features 4 HDMI inputs and 4 HDMI outputs, supporting 4K resolution and HDCP compliance.

Remote Control Support: Operated via infrared remote control. An extended IR receiver cable is available upon request (please specify before ordering).

One-Key Black & Freeze Functions: Instantly blackout the display or freeze the current frame, useful during performances or playback.

Screen Rotation: Output images can be rotated 180° to accommodate various splicing setups.

Audio Synchronization & One-Key Mute: HDMI video and audio are synchronized for output. Audio input can be selected via key or remote. Includes both HDMI and independent analog audio outputs with mute functionality.

FUNCTION INTRODUCTION

Video Capture: Output 4 supports real-time HDMI audio and video capture, transmitting signals to computers or smart devices for preview and storage. Ideal for HD recording, teaching, medical transcription, and more. Compatible with popular capture software such as VLC, OBS, and Amcap. Supports Windows, Android, and macOS. Conforms to USB Video Class (UVC) and USB Audio Class (UAC) standards.

Video Matrix: Enables seamless switching of any input to any output via front panel keys or remote control. The remote allows direct selection of specific input-to-output combinations, while key-based switching cycles through sources sequentially.

Quad Multi-Viewer: Displays multiple input signals simultaneously on one monitor using built-in templates, such as dual-window or quad-view layouts. Outputs 1 and 4 operate in copy mode; outputs 2 and 3 can continue using the matrix function via remote control.

Video Splicer: Splits HDMI input 1 into multiple sections and distributes them across several displays (e.g., 2-, 3-, or 4-screen splicing). In all modes except 1 & 4 splicing, unused outputs (e.g., 2 & 3) can still operate under matrix functionality.

Port Specification

HDMI Port 4*HDMI INPUT 4*HDMI OUPUT	Interface Type: HDMI-A Socket Signal Standard: HDMI1.4 Backward compatible; Resolution: VESA Standard, ≤3840×2160p@30Hz;
Audio Output	Audio Output Interface, Dual Track
GENERAL SPECIFICATIONS	
Power Supply	Internal 100～240V AC, 50～60Hz
Temperature	Storage: T: -40˚C ~ +80 ˚C 、 H: 10% ~ 90%, Non-condensing; Working: T: 0 ˚C ~ +60 ˚C 、 H: 10% ~ 90%, Non-condensing;
Machine Size (including ear hook)	14.57 in (L) × 7.28 in (W) × 1.38 in (H)
Packing Size	16.54 in (L) × 10.04 in (W) × 3.35 in (H)
Product Weight	Gross Weight: 2.0 kg ≈ 4.41 lbs
Package Weight	Volume Weight: 3.0 kg ≈ 6.61 lbs
Warranty	1 Year; Note: All Rated Voltages Are On Average ±10%;

PACKAGE LIST

Standard	Remote * 1 Power Cable * 1 Certificate * 1 Warranty Card * 1

Model	Description	Part Number
4x4AMSMTX	Standard Model	HDTV4x4AMSMTX

Function Indicator

CAP: Video Capture
MTX: Video Matrix
QMV: Quad Multi-Viewer
SPC: Video Splicer

When a function is selected or activated, the corresponding indicator light will remain illuminated. By default, all indicators are off.

Matrix Indicator

When the matrix function is activated, the array indicator lights will turn on. When a specific input signal is selected, the corresponding signal lights will illuminate on the respective output channels**.**

Input

Input Key: CH1–4 correspond to OUTPUT1–4 channels respectively. Press the channel button to cycle through HDMI1–4 input signals and display them on the corresponding output channel.

RF: Infrared receiver for remote control signal input.

Function Keys

Audio: Switches audio output between available sources.
Mode: When using the video splicer or quad multi-viewer, press to toggle between layout templates.
4K/2K: Changes the output resolution between 4K and 2K modes.
Window Rotation: Activates 180° image rotation (only effective in splicing mode).
Fun: Switches between different operating functions or modes.

Power Switch

USB Video Capture Interface

CAP ○
MTX ○
QMV ○
SPC ○
FUNCTION

CH4 CH3 CH2 CH1 LED

IN1
IN2
IN3
IN4

CH4   CH3   CH2   CH1   RF

AUDIO   MODE   4K/2K   ○   FUN

USB

AC 100~240V 50/60HZ

ANT

LED   POWER

INPUT   HDMI 1   HDMI 2   HDMI 3   HDMI 4
1   2   3   4

OUTPUT 1   OUTPUT 2   OUTPUT 3   OUTPUT 4
1 ·QMV   2   3   4 ·QMV/CAP

AUDIO

RS232

CONTROL

Power Interface

Antenna Interface Power Indicator

Input Interface Input Indicator

In the video splicer function, HDMI1 is a fixed input

Output Interface & Indicator

In Video Splicing mode, Output 1 and Output 4 serve as the active output channels. In Capture mode, Output 4 is used to collect image data in real time.
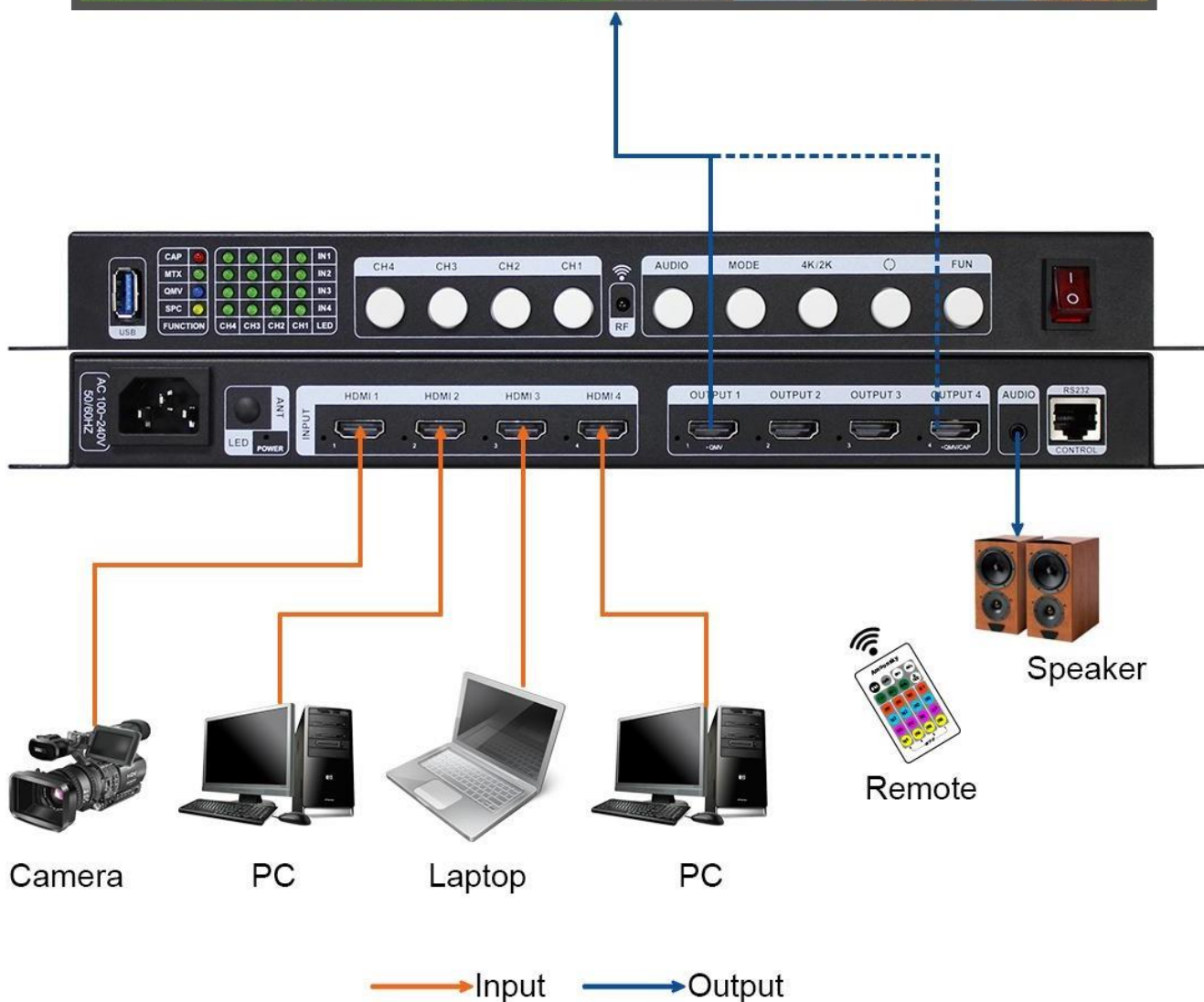
Audio Output

RS232 Control

VIDEO MATRIX

QUAD-MULTI VIEWER

Camera   PC   Laptop   PC

Input   Output

Speaker

Remote

VIDEO SPLICER

Camera   PC   Laptop   PC   Remote   Speaker

→ Input   → Output

REMOTE

One-Key Freeze Screen
One-Key Black Screen
Function Switching
Matrix Function
HDMI2 Input
HDMI4 Input

Amoonsky

Black | Freeze | Mute | Audio
Fun | Matrix | Mode | 4K 1080P

IN1 IN1 IN1 IN1
IN2 IN2 IN2 IN2
IN3 IN3 IN3 IN3
IN4 IN4 IN4 IN4

4　　3　　2　　1
OUTPUT

One-Key Mute
Audio Input Switching
Output Resolution Switching
Mode Switching
HDMI1 Input
HDMI3 Input

VIDEO SPLICING

2 Splice

| 1 | 2 |

Mode: 1*2

| 1 |
| 2 |

Mode: 2*1

3 Splice

| 1 | 2 | 3 |

Mode: 1*3

| 1 |
| 2 |
| 3 |

Mode: 3*1

4 Splice

| 1 | 2 | 3 | 4 |

Mode: 1*4

| 1 | 2 |
| 3 | 4 |

Mode: 2*2

| 1 |
| 2 |
| 3 |
| 4 |

Mode: 4*1
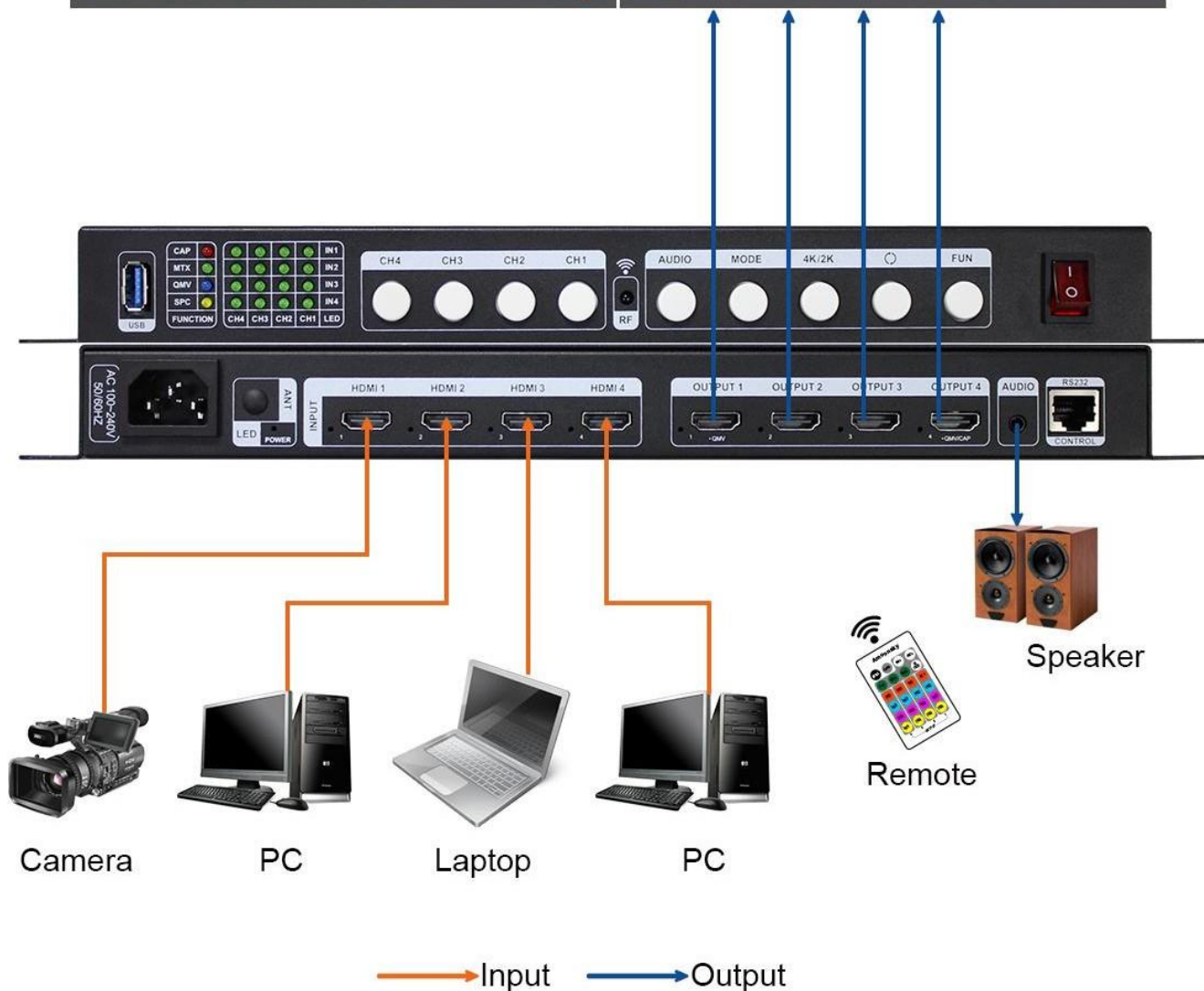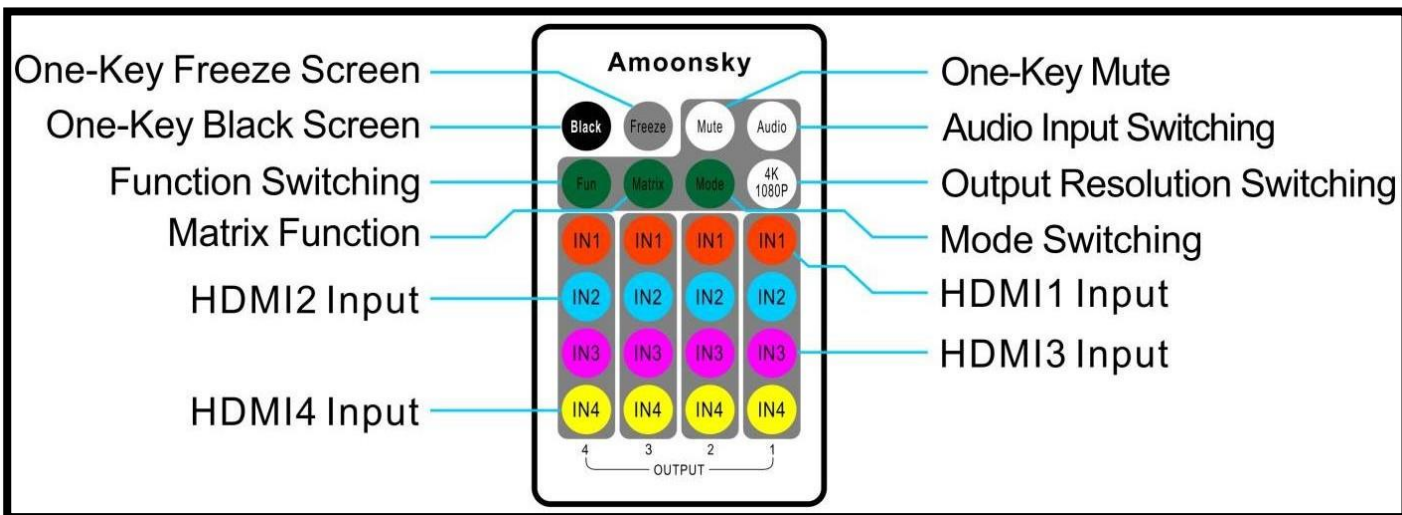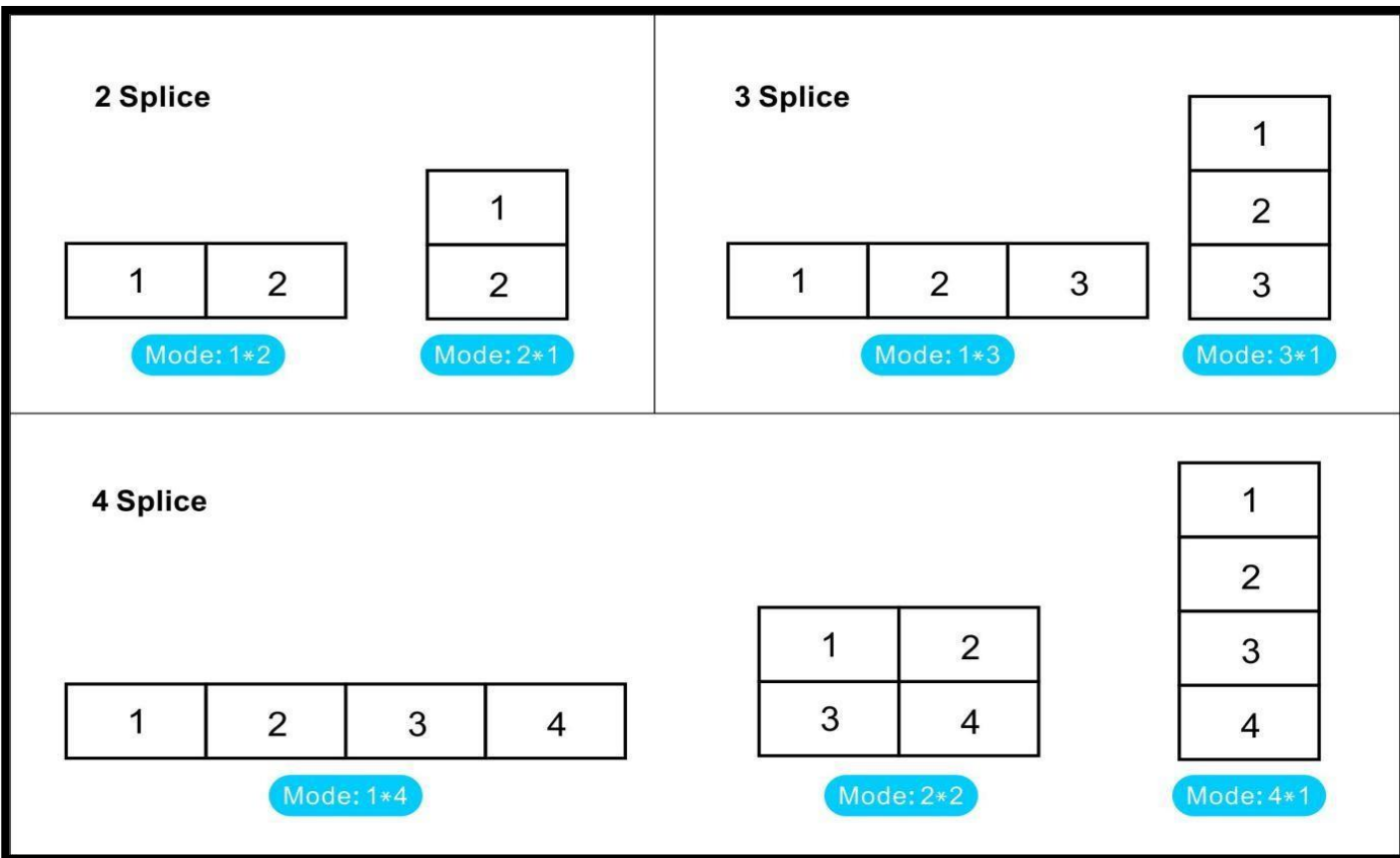
HDTV Supply, Inc

Inquiries and Aftersales Support

For any inquiries or assistance related to this product, including aftersales service, please contact our customer support team. We are committed to providing you with the highest level of service.

Contact Details:

- Phone: 833-WOLFPACK (833-965-3722)
- Email: customerservice@hdtvsupply.com | support@hdtvsupply.com
- Website: www.hdtvsupply.com

Our team is ready to assist with any questions or concerns you may have.