

Specification



LED / LCD

4K@60Hz UHD Video Matrix

- Seamless Switching
- Fullcolor LCD Screen
- Multi-Screen Manage
- Web-version Upper PC

AMS-MT4K_8*8

Safety

This chapter illustrates safety of the 4K UHD Video Matrix AMS-MT4K_8*8 to ensure the product's storage, transport, installation and use safety. Safety instructions are applicable to all personnel who contact or use the product. First of all, pay attention to following points.

- Read through the instructions.
- Retain all instructions.
- Comply with all instructions

■ Storage And Transport Safety

- Pay attention to dust and water prevention.
- Avoid long-term direct sunlight.
- Do not place the product at a position near fire and heat.
- Do not place the product in an area containing explosive materials and strong electromagnetic environment.
- Place the product at a stable position to prevent damage or personal injury caused by dropping.
- Save the packing box and materials which will come in handy if you ever have to store and ship the product. For maximum protection during storage and shipping, repack the product as it was originally packed at the factory.

■ Installation And Use Safety

- Only trained professionals may install the product.
- Plugging and unplugging operations are prohibited when the power is on.
- Ensure safe grounding of the product.
- Always wear a wrist band and insulating gloves.
- Do not place the product in an area having frequent or strong shake.
- Perform dust removing regularly.
- Contact Amoonsky for maintenance at any time, rather than have the product disassembled and maintained by non-professionals without authorization.
- Replace faulty parts only with the spare parts supplied by Amoonsky.

■ Overview

AMS-MT4K_8*8 Is 4K@60Hz Ultra Input And Output HDMI Video Matrix That Supports Seamless Switching And Flexible Management Of Multiple Signals; The Device Built-in The Taiwan Mean Well Brand Power Supply, Equipped With Crystal Keys And Fullcolor LCD Screen; Support Web-version Upper Computer Control; Support Splicing, Multi-windows, Video Matrix Mode To Switching, Simple Operation, Stable Performance, Suitable For Display And Control Needs In Different Scenarios.

- **Input&Output Port** -- The Video Matrix MT4K_8*8 Uses 8 HDMI Video Input, 8 Channel Of HDMI Output, Support 4K (3840*2160@60Hz) Resolution And Backward Compatible, Support HDCP, HDR;
- **Seamless Switching Of Any Channel** -- The Video Matrix MT4K_8*8 Can Seamlessly Switch Between Any Input Or Output Channels, Effectively Avoid Affecting Professional Performance Due To Black Screen Interruptions, Ensure Smooth Transition Of Shows On The Display Screen;
- **Support One Key Black Screen** -- When The Image Output Needs To Be Closed During The Performance, Press The “ Black” Key Can Be Used To Realize Fast Black Screen.
- **Test Function** -- The Video Matrix Has Built-in is11 Sets Of Test Pattern, Can Rotate The Knob To Select It As Following Path: Menu -- Function -- Test Pattern; Used The Test Pattern Can Quickly Test The Display Effect Of The Screen;
- **Key Lock Function** -- The Video Matrix Series Has Key Lock Function, Open The Keypad Lock Function, During Use, Can Effectively Prevent Misuse And Other Situations, Provides A Favorable Guarantee For The Use Of The Process, Quick Method: Can Press The Return Key 2s To Unlock Or Lock;
- **Mode Saved And Recalled** -- The Video Matrix Series Adopts 10 Sets Of User Modes. Each Set Of User Modes Can Store All User Setting Parameters, And Can Realize Parameter Backup And On-Site Calling Functions, Menu Setting Path: Menu -- Mode -- Load/Save/Reset Mode; Perhaps Loading Or Saving Directly Through Front Panel Keys;
- **Web Version Upper Computer** -- The Video Matrix Users Can Directly Connect The Devices Through Ethernet Cables Or Connect To The Local Area Network Through Switches, By Entering The IP Address Through A Browser And Logging In, They Can Achieve Full Functionality With Precise And Intuitive Operation, Making Efficiency And Intelligence Within Reach;

- **Support Audio Select** -- Through The Device Menu To Settings, Can Select The External Audio Input Or An Input Source With Audio. The Device's Output Audio Will Change With The Variation Of The Channel's Input Signal Source.

■ Diagram



■ Application



Command Center



Security Monitoring

Introduction

Fullcolor LCD Screen

Intuitive LCD Operation Interface, Menu Settings Can Be Adjusted By Key And Knob

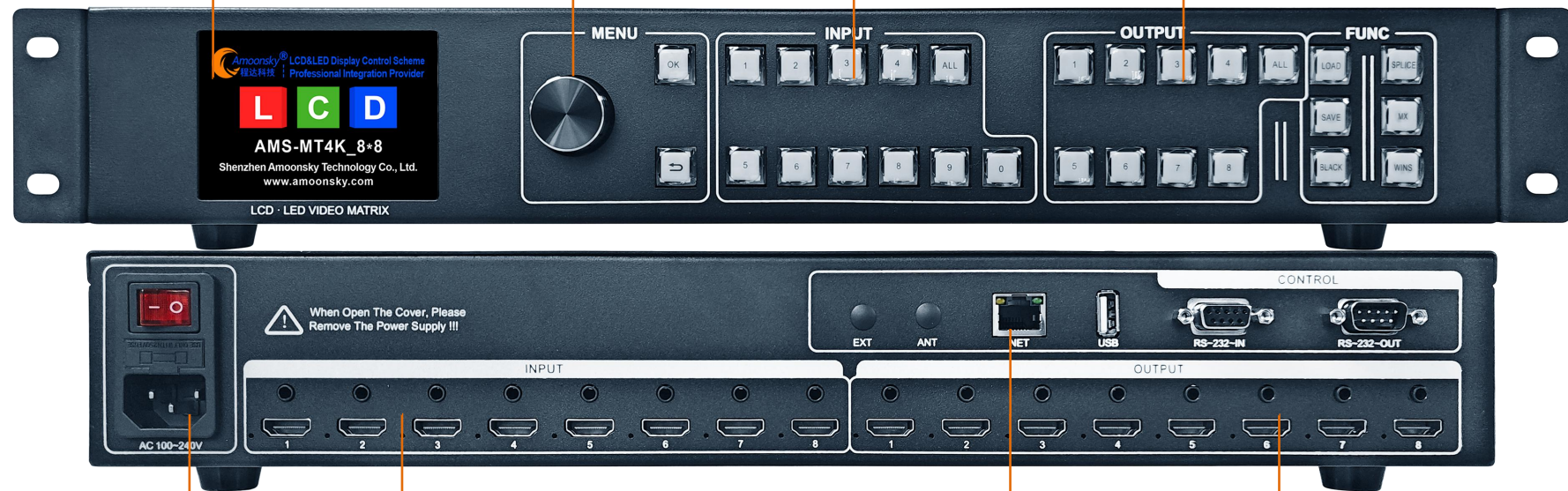
Menu Operation

OK: Confirmation Key
ESC: Return Operation Key
Knob: Adjust Menu Parameters

Input&Output • Key Area

Signal Switching Method: First Select The Input Channel, Then Select The Output Channel; If Input And Output Selected "All" Key, Then The Signal Sources And Output Will Correspond One-To-One;
Input Area 0-9: Number Keys In The Menu, Which Can Quickly Save To The Corresponding Template;

LOAD/SAVE: Load Or Save Mode Shortcut Key;
BLACK : Press The Key, All Outputs Will Be Black Or Freeze Screen , Click Again To Restore Display;
SIZE : Can Adjust The Output Window Size, Position, And Image Rotation;
SPLICE/MX/WINS: Function Keys, Respectively For Recall Mode of Splicing or Matrix or Multi-windows



Power Interface : Built-in Mean Well Power Supply, Support 110-240V AC Input;
Power Switch & Power Fuse : Includes 1pcs Backup Fuse;

Input Interface&Indicator: Support 4K@60Hz Resolution&Backward Compatible, When The Signal Source Is Detected As Normal Input, The Signal Indicator Will Light Remains On;
Audio Input: Can Select Analog / Digital Audio;

Control Interface

NET : Web-Version Upper PC For Control;
USB : Upgrades Device Program By USB Disk;
RS232 : Used Serial Protocol To Control;
ANT : Reserved Interface For Remote Antenna;

Output Interface&Indicator: Supports Splice Or Separate Output, Configured All On The Device Menu. When The Output Connected Normally, The Signal Indicator Will Light On;
Audio Output: Follows With The Input Source;

Parameters

Port Specifications		
HDMI Port Input&Output	Interface Type: HDMI-A Socket, Quantity: 8 * Input & 8 * Output; Signal Standard: HDMI2.0 Backward compatible; Resolution: VESA Standard, ≤3840×2160p@60Hz;	
NET Ethernet Port	Interface Type: RJ45; Web Version Upper PC Control Can Be Achieved By Connecting The Computer Through Ethernet Cable;	
USB Port	USB-B, Can Upgraded The Device Programs Through USB Disk;	
Audio Port	Analog audio • 3.5mm, Quantity: 8 * Input & 8 * Output;	
RS232 Serial Port	By The Upper-PC Protocol To Control, RS232 Has Loop-out Function, Which Can Be Cascaded And Controlled Multiple Devices;	
ANT	Extension Interface, Not Enabled;	
Performance		
Switching Method	Seamless Switching, Audio&Video Sync Output;	
Device Language	Standard Version Is English, Other Languages Require Need Remarks;	
General Specifications		
Power Supply	Mean Well Brand • Built-in, 100~240V AC, 50~60Hz;	
Temperature	Storage : T: -40℃ ~ +80 ℃ 、 H: 10% ~ 90%, Non-condensing; Working: T: 0 ℃ ~ +60 ℃ 、 H: 10% ~ 90%, Non-condensing;	
Machine Size	485mm (Length) x 320 mm (Width) x 77mm (Height)	
Packing Size	515mm (Length) x 375 mm (Width) x 100mm (Height)	
Product Weight	Gross Weight : 4.0Kg ;	
Package Weight	Volume Weight: 5.0Kg ;	
Warranty	1 Year; Note: All Rated Voltages Are On Average ±10%;	
Packing List		
Standard	Power Cable * 1, Certificate * 1;Warranty Card * 1;	
Model	Description	P/N
AMS-MT4K_8*8	Standard Model	PN202603005