

MXU-88

8X8 4K HDMI / USB 2.0 MATRIX SWITCH



USER MANUAL



Designed and Manufactured in the USA

Smart-AVI

1-800-284-2131
www.smartavi.com

OVERVIEW

TECHNICAL SPECIFICATIONS 3

WHAT'S IN THE BOX? 4

FRONT AND BACK 4

HARDWARE INSTALLATION 5

FRONT PANEL CONTROL 6

CONTROL VIA ETHERNET 7-8

LIMITED WARRANTY STATEMENT 9

TECHNICAL SPECIFICATIONS

USB	
Input Interface	(8) HDMI Type A 19-pin Female TMDS
Output Interface	(8) HDMI Type A 19-pin Female TMDS
Max. Resolutions	Up to 4K (3840x2160 @ 30Hz)
HDMI Version	HDMI 1.4
Video Bandwidth	300 MHz
Max. Cable Length	Up to 20 ft
Audio	Stereo Embedded in HDMI signal
USB	
Signal Type	USB 2.0, 1.1, and 1.0
Input Interface	(8) USB Type B Female (No Emulation)
Output Interface	(16) USB Type A Female
CONTROL	
Front Panel	Front panel buttons
Ethernet (TCP/IP)	Via RJ-45
OTHER	
Power Adapter	Internal 100-240 VAC/ 12 DC, 5A
Max Consumption	100 W
Dimensions	17.06" W x 2.0" H x 10.4" D
Weight	8.8 lbs
Operating Temperature	+32 to +104°F (0 to +40°C)
Storage Temperature	-4 to 140°F (-20 to +60°C)
Humidity	Up to 80% (No Condensation)

WHAT'S IN THE BOX?

PART NO.	Q-TY	DESCRIPTION
MXU88-S	1	8x8 4K HDMI USB 2.0 Matrix Switch
PS12VD5A-WLLMNT	1	Power supply
	1	User Manual

FRONT PANEL



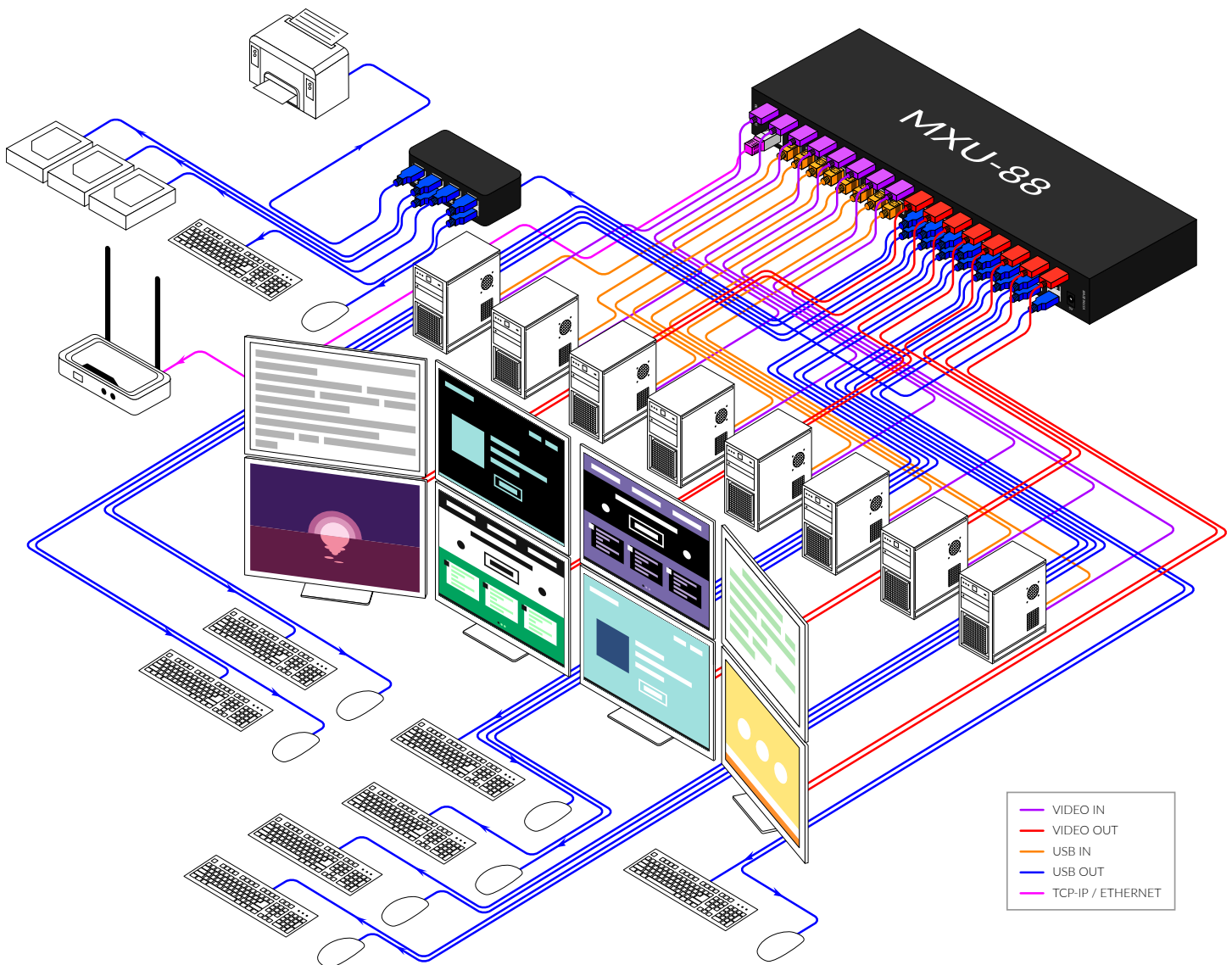
BACK PANEL



HARDWARE INSTALLATION

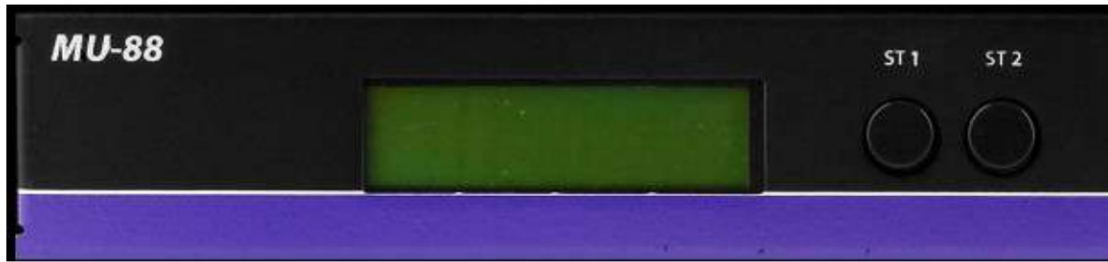
1. Position the MXU-88 conveniently and keep it unplugged.
2. Connect up to 8 computer's HDMI (DVI-D with adapter) outputs to the MXU-88 HDMI inputs
3. Connect up to 8 computer's USB outputs to the MXU-88 USB type B inputs
4. Connect HDMI (DVI-D with adapter) monitors to the MXU-88 HDMI outputs.
5. Connect up to 8 keyboards and mice to the MXU-88 type A USB outputs. USB hubs may be used to connect additional USB devices.
6. Optionally connect the MXU-88 to your network for additional control.
7. Power on the connected displays.
8. Power on the the connected computers.
9. Power on the MXU-88.

KVM extenders can be used to extend placement of Displays and USB devices.



FRONT PANEL CONTROL

Use the ST2 button to navigate to the desired menu item. Pressing ST1 and ST2 at the same time will execute the selection.



- **USB:**
Change which computer is connected to which keyboard / mouse.
Press ST2 to move from IN port to IN port.
Press ST1 when the cursor is on the IN port you want to change the OUT port # connected to it.
Press ST1 & ST2 simultaneously to connect the ports.
Press ST2 to move to another IN port or press ST1 & ST2 simultaneously to exit back to the main menu.
- **Video:**
Change which computer is connected to which monitor.
Press ST2 to move from IN port to IN port.
Press ST1 when the cursor is on the IN port you want to change the OUT port # connected to it.
Press ST1 & ST2 simultaneously to connect the ports.
Press ST2 to move to another IN port or press ST1 & ST2 simultaneously to exit back to the main menu.
- **EDID:**
Press ST2 to move from menu item to item. Press ST1 and ST2 simultaneously to enter the EDID sub menu.

Learn: Will load and store the EDID from the display connected to port 1.
Info: Will display the name of the EDID currently in use.
Exit: Will exit back to the main menu.
- **IP:**
Press ST1 & ST2 simultaneously to display the IP address in use by the MXU-88.

CONTROL VIA ETHERNET

On the front panel of the MXU-88 press the ST2 button until the cursor is by the IP selection. Press ST1 & ST2 simultaneously to display the IP address in use by the MXU-88. Enter the IP address into a web browser of your choice. You should see the MXU-88 login page. **The username is admin and the password is admin.** Then the main webpage will display as shown in the image below. The left column of numbers represents the output port. The top row of numbers represent the input ports. Using your mouse click on the box at the intersection of the input with the output to execute the desired connection. The video and usb connections can be changed independently.

There is also a button you can click on to learn the EDID of the monitor connected to output port 1 and a button that will display the EDID in use.



CONTROL VIA ETHERNET (CONTINUED)

From the main webpage you can select IP Config and a webpage will display with fields allowing to set the network settings for the MXU-88.

The screenshot shows a web interface for configuring network settings. At the top left, it says "Firmware revision: v3010" and at the top right, there is a "logout" link. The main header features the "Smart-Matrix" logo and the device name "MX USB 8x8". A sidebar on the left contains two menu items: "Matrix Control" and "IP Config", with "IP Config" currently selected. The main content area is titled "parameter" and contains the following configuration options:

- IP type: DHCP/AutoIP (dropdown menu)
- Static IP: 192 . 168 . 0 . 7
- Submask: 255 . 255 . 255 . 0
- Gateway: 192 . 168 . 0 . 1

At the bottom of the configuration area, there are two buttons: "Save" and "Cancel".

LIMITED WARRANTY STATEMENT

A. Extent of limited warranty

SmartAVI, Inc. warrants to the end-user customers that the SmartAVI product specified above will be free from defects in materials and workmanship for the duration of 1 year, which duration begins on the date of purchase by the customer. Customer is responsible for maintaining proof of date of purchase.

SmartAVI limited warranty covers only those defects which arise as a result of normal use of the product, and do not apply to any:

- a. Improper or inadequate maintenance or modifications
- b. Operations outside product specifications
- c. Mechanical abuse and exposure to severe conditions

If SmartAVI receives, during applicable warranty period, a notice of defect, SmartAVI will at its discretion replace or repair defective product. If SmartAVI is unable to replace or repair defective product covered by the SmartAVI warranty within reasonable period of time, SmartAVI shall refund the cost of the product.

SmartAVI shall have no obligation to repair, replace or refund unit until customer returns defective product to SmartAVI.

Any replacement product could be new or like new, provided that it has functionality at least equal to that of the product being replaced.

SmartAVI limited warranty is valid in any country where the covered product is distributed by SmartAVI.

B. Limitations of warranty

To the extent allowed by local law, neither SmartAVI nor its third party suppliers make any other warranty or condition of any kind whether expressed or implied with respect to the SmartAVI product, and specifically disclaim implied warranties or conditions of merchantability, satisfactory quality, and fitness for a particular purpose.

C. Limitations of liability

To the extent allowed by local law the remedies provided in this warranty statement are the customers sole and exclusive remedies.

To the extent allowed by local law, except for the obligations specifically set forth in this warranty statement, in no event will SmartAVI or its third party suppliers be liable for direct, indirect, special, incidental, or consequential damages whether based on contract, tort or any other legal theory and whether advised of the possibility of such damages.

D. Local law

To the extent that this warranty statement is inconsistent with local law, this warranty statement shall be considered modified to be consistent with such law.

Smart-AVI

SMART AUDIO VIDEO INNOVATION

NOTICE

The information contained in this document is subject to change without notice. SmartAVI makes no warranty of any kind with regard to this material, including but not limited to, implied warranties of merchantability and fitness for particular purpose. SmartAVI will not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance or use of this material. No part of this document may be photocopied, reproduced, or translated into another language without prior written consent from SmartAVI, Inc.

20180109



Designed and Manufactured in the USA

Tel: (800) AVI-2131 • (702) 800-0005
2455 W Cheyenne Ave, Suite 112
North Las Vegas, NV 89032

www.smartavi.com