



Evolution



CE

www.vanco1.com • 800.626.6445





This product is 100% inspected and tested in the United States to verify HDMI performance parameters.

WARNING

- 1. Do not expose this unit to water, moisture, or excessive humidity.
- Do not install or place this unit in a built-in cabinet, or other confined space without adequate ventilation.
- To prevent risk of electrical shock or fire hazard, due to overheating do not obstruct unit's ventilation openings.
- Do not install near any source of heat, including other units that may produce heat.
- 5. Do not place unit near flames.
- 6. Only clean unit with a dry cloth.

- Unplug unit during lightening storms or when not used for an extended period of time. A surge protector is strongly recommended.
- 8. Protect the power cord from being walked on or pinched, particularly at the plugs.
- 9. Use unit only with accessories specified by the manufacturer.
- 10. Refer all servicing to qualified personnel.

CAUTION

HDMI is a very complex technology requiring continuous authentication of the signal and the same video resolution and audio settings on all electronic equipment in the system. When there are multiple sources and displays, the video resolution and audio setting on all connected units must be adjusted to correspond with that of the display having the lowest video and audio capability.

FEATURES

INTRODUCTION

The Evolution by Vanco EVMX44VW 4K 4x4 Matrix Switcher with Video Wall capability, allows 4 HDMI sources to be distributed up to 4 displays with full switching flexibility. The EVMX44VW features the ability of passing 4K@60Hz resolution and 4:4:4 Chroma Subsampling. Capable of 4 display video wall configurations, with ability for 180 degree screen rotation, as well as bezel adjustments. The EVMX44VW also has a scaling function, to achieve a variety of different resolution formats. Multiple audio options including the ability to connect up to four audio sources and distribute up to four zones, with both analog and digital outputs. The audio sources can also be utilized to embed audio onto the HDMI outputs. With the ability to control switching via front panel selections, IR, R5-232, and TCP/IP. Simply connect the matrix unit to the local network, and the switching can be controlled with any computer, tablet, and/or mobile device on the same network. An easy and intuitive user interface allows for full control. For a 2x2 video wall application, and the ability to switch to a matrix function where each display shows a different source, plus audio options, the EVMX44VW is the perfect solution.

4K 4x4 Seamless Audio and Video Matrix with Video Wall Part # EVMX44VW

- 4K 4x4 Matrix with Video Wall Modes
- Supports up to 4K@60Hz and 4:4:4 chroma subsampling
- Features resolution scaling with multiple formats available
- Supports up to a 4 display video wall
- Supports 180° screen rotation and bezel adjustments
- Includes built-in audio matrix to distribute up to four zones with analog and digital outputs
- Able to embed audio onto HDMI outputs
- IR pass-through to control sources from display locations
- Controllable via front panel, IR, RS-232 and TCP/IP
- Easy and intuitive User Interface to control switching and video wall functions via IP
- HDMI 2.0 and HDCP 2.2 compliant
- Rack mountable design
- Dimensions: 17" W x 8.7" D x 1.7" H (430mm × 220mm × 44mm)

PACKAGE CONTENTS

- (1) EVMX44VW 4K 4x4 Matrix Switcher
- (1) IR Remote
- (4) IR Receivers
- (4) IR Emitters
- (5) 3-pin Phoenix Connectors
- (4) 5-pin Phoenix Connectors

- (1) AC Power Cord
- (1) Product Manual



SPECIFICATIONS

HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 2.2
Video Bandwidth	. 18 Gbps
Video Resolution	Up to 4K@60Hz, 4:4:4 Chroma Subsampling
Color Space	RGB, YCbCr 4:4:4/4:2:2
HDMI Amplitude	T.M.D.S +/- 0.4Vpp
Differntial Impedance	100±15ohm
ESD Protection	Human-body Model:
± 8 kV (Air-gap discharge) , ± 4 kV (Contact discharge)	
Baud Rate and Protocol checking	Baud rate: 9600, data bit: 8 Stop bit: 1, no parity
Ethernet	IE10.0+,HTML5
Housing	Metal Enclosure
Color	Black
Dimensions	17" W x 8.7" D x 1.7" H (430mm×220mm×44mm)
Weight	11 lbs
Power Supply	AC 110-240V
Power Consumption	60W (Max)
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	20°C ~ 70°C / -4°F ~ 158°F
Relative Humidity	10%~50% RH (non-condensing)

PANEL DESCRIPTIONS

Front Panel



- 1. LCD Panel: Displays current status
- 2. COM: Illuminates when matrix switcher is powered on
- 3. IR: IR Sensor to control the unit via included IR remote
- 4. LOCK: Locks/Unlocks front panel buttons (hold for 3 seconds to activate)
- 5. OUTPUT: Outputs 1-4 for output display selection
- 6. INPUT: Inputs 1-4 for input source selection
- 7. ALL: Set all outputs to the same input by pressing ALL+ INPUT # + TAKE
- RES: Set the output scaler resolution based on the table on page 6
 Press RES + OUTPUT # + NEXT (to toggle through options) + TAKE
- EDID: Set the EDID options for the input selected based on the table on page 6
 Press EDID + INPUT + NEXT + TAKE, change the EDID mode of port INPUT
- 10. NEXT: Select the next available option within a menu
- 11. SAVE: Save the current matrix setting as a preset by pressing SAVE + Output #(s). Up to 8 presets can be saved.
- 12. RECALL: Set the matrix to a previously saved preset by pressing: RECALL+OUTPUT #(s)
- 13. CLEAR: Cancel the current command function
- 14. ENTER: Set the displayed option or command function



RESOLUTION

Set the output scaler resolution based on the below table

Number	Output Resolution Setting	Number	Output Resolution Setting
1	3840x2160p 60Hz	9	1440x1050 60Hz
2	3840x2160p 50Hz	10	1366x768 60Hz
3	3840x2160p 30Hz	11	1360x768 60Hz
4	3840x2160p 25Hz	12	1280x1024 60Hz
5	1920x1200 60Hz	13	1280x768 60Hz
6	1920x1080p 60Hz	14	1280x720p 60Hz
7	1920x1080p 50Hz	15	1280x720p 50Hz
8	1600x1200 60Hz	16	1024x768 60Hz



Set the EDID options for the input selected based on the below table

Number	Output Resolution Setting	Number	Output Resolution Setting
1	Manual	5	1920x1080 60Hz
2	3840x2160 60Hz	6	1280x1024 60Hz
3	3840x2160 30Hz	7	1280x720p 60Hz
4	1920x1200 60Hz	8	1024x768 60Hz



PANEL DESCRIPTIONS



- LAN: Connect to a local network such as a router or ethernet switch to give the matrix unit connectivity, this will give the ability to control the matrix unit via IP with any device on the network such as a computer, tablet, or mobile phone
- 2. RS232: Connect the included RS-232 cable to a computer or 3rd party control system for integration
- IR OUT 1-4: Connect the included IR Transmitters (TXs) to each port, the number on the IR output corresponds to the HDMI inputs (Connect this if you would like to control the sources from each display location)
- IR IN 1-4: Connect the included IR Receivers (RXs) to each port, the number on the IR input corresponds to the HDMI outputs (Place each IR RX at the corresponding display locations)
- AUD INPUT Connect audio sources via analog audio inputs to be routed and/or embedded onto HDMI Outputs
- 6. AUD OUTPUT: Connect up to four zones via analog and Toslink audio outputs to be extracted or routed to external audio components
- 7. INPUT: Connect HDMI sources to each corresponding HDMI input
- 8. OUTPUT: Connect HDMI display(s)
- 9. POWER SWITCH: Master switch to turn on/off power
- 10. POWER CONNECTOR: Connect the included power cord for power
- 11. GROUND: (Optional) connect to ground



- Connect your sources such as a Blu-Ray Player, game console, A/V Receiver, Cable or Satellite Receiver, etc. to either the HDMI inputs on the unit. Insert and extract cables carefully with the power switched off. Connecting and disconnecting while the unit is powered can result in damage to circuitry
- 2. Connect the HDMI outputs that go to the displays
- 3. OPTIONAL: Connect the provided IR RX and IR TX cables if you wish to use IR routing. See below for additional detailed information
- 4. OPTIONAL: Connect an Ethernet cable from the TCP/IP port on the matrix to a local Area Network, or the provided RS232 cable with 3-pin phoenix connector to the RS232 port on the matrix
- OPTIONAL: Connect audio inputs or outputs using the provided phoenix connector to embed, de-embed, and route audio. See instructions in the AUDIO MATRIX section of the manual for additional information
- 6. Connect the power cable to the power receptacle on the matrix
- 7. Connect power supply to an available electrical outlet and power on the device to test

IR CONTROL

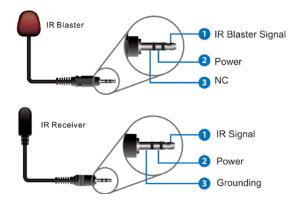
The EVMX44VW allows for IR pass-through to control the connected sources at the display locations. The IR signals are routed, so the sources are only controllable at a display location if the source is switched to that output.

IR Emitters:

Connect the IR Emitters (Blasters/TXs) to the "IR OUT" port on the back of the matrix unit, ensure that the IR Emitter is placed on the corresponding source (For example, IR OUT port 1 = HDMI input 1)

IR Receivers:

Connect the IR Receivers (RXs) to the "IR IN" port on the back of the matrix unit, ensure that the IR Receiver is routed to the corresponding display (For example, IR IN port 1 – HDMI output 1)



NOTE: Infrared receiving areas of source devices can be located by shining a flashlight onto the front of the device – the sensor should be able to be seen through the plastic as a small, round object inside. Place the IR Emitters around or near this area with the tip of the IR emitter near the IR sensor of the source. IR receivers should be placed at the display and line of sight, so that an IR remote can be pointed at the pigtail to receive IR signals.



AUDIO MATRIX

In addition to an HDMI video distribution system, the EVMX44VW also includes a built-in audio matrix, where audio sources can be connected and be sent up to four individual zones.

The 4 sets of Audio output (LR and Toslink) channels can be independent of video and switched by the User Interface via TCP/IP. Audio Outputs utilize 5-pin Phoenix connectors to output balanced LR audio, and 4 mini Toslink jacks to output analog LR audio and digital audio.

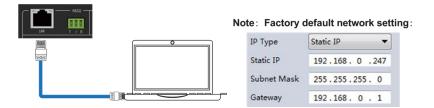
There are also 4 sets of analog audio inputs using 3-pin Phoenix connectors to input external analog LR audio, this can also be used to embed audio onto the HDMI outputs.





Network Control Connection

The product also supports Network control. Connect the LAN port of the matrix to a PC via a UTP (Cat5e/6) cable, as shown in the following figure:





EVMX44VW SOFTWARE

Before running the software which can be downloaded on the product page on www.vanco1.com, the password is needed to log in.

Default password of Administrator (access to all features): 111111

Default password of User (access to all features, except OSD function): 000000

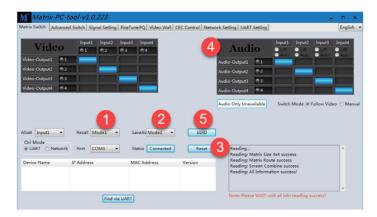
Connect with PC Tool

Vide		Input1	Input2	Input3	Input4		Aud	io	Input1	Input2	Input3 • L/R • Auto	Input O U/F	
deo-Output1	01					A	Audio-Output1	01					
deo-Output2	° 2					A	Audio-Output2	C 2					
deo-Output3	03						Audio-Output3	03					
ideo-Output4	0 4					A	Audio Output4 Audio Only Una	e 4 vailable	Switch	Mode	Follow Vid	eo 🔿 I	
deo-Output4 set Input1	•4	Recall M	lodel ·	• Sa	veAs Model	A			Switch	Mode 💌	Follow Vid	eo 🔿 I	
	•				veAs Model	A A	Audio Only Una Reading Reading. 1	vailable Matrix Siz	Switch	55	Follow Vid	eo ©1	

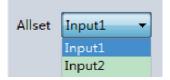
Select UART (with RS-232 cable) or Network to connect



Matrix Switch Page



To switch one input port to all output ports, use the All set dropdown menu. For example, to switch input 1 to all outputs:

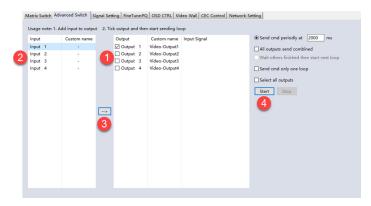


- 1. Recall mode: Recall a preset of inputs/outputs (maximum of 8 presets)
- 2. Save mode: Save the current input/output mapping to create a preset

Note: Save/Recall button here works the same with front panel save/recall control, and also the same with Save/Load function on video wall page

- 3. System reset: Resets the matrix to factory settings
- 4. Audio Switch mode: Follow Video mode or Manual mode
 - When selecting Manual mode, separately switch L/R (Phoenix interface) and Toslink output(s)
 - Can also select to use HDMI embedded or corresponding external LR audio
- EDID Control: Click the "EDID" button on Matrix Switch page, there will be a pop-up EDID control window. The following operations are:
 - a. Read EDID of one output port
 - b. Open one existing EDID file
 - c. Write EDID to one input port

Advanced Switch Page



The Advanced Switch page will repeatedly send a batch of matrix selection commands at the interval specified in the Send cmd periodly at text.

- 1. Select one or more outputs
- 2. Select one input
- 3. Use the arrow button "-->" to assign that input to the selected output or outputs
- 4. After completing all required selections, click the "Start" button to run the commands

The available options are:

All outputs send combined – Combine all outputs that have the same input number as a single command **Wait others finished the start next loop** – Wait for all commands in the previous pass to complete before sending the next batch of commands.

Send cmd only one loop - Only send a single batch of commands

Select all outputs – Select all outputs when the option is checked

Start – Begin the command cycles

Stop – Stop the command cycles



Signal Setting Page

Matrix	Switch Advanced	Switch Signa	Setting	FineT	une , TV Wall	Network Setting	
-Input	t Board— <mark>Read All</mark> Input Type In	put Format	Audio S	elect	Output Type	Output F	ormat
1	UHD-HDI V	Signal	Auto	•	UHD-HDI -	4K2Kp30	Rea
2	UHD-HDI - No	Signal	Auto	-	UHD-HDI -	4K2Kp30	▼ Rea
3	UHD-HDI - No	Signal	Auto	-	UHD-HDI -	4K2Kp30	▼ Rea
4	UHD-HDI - No	Signal	Auto	-	UHD-HDI -	4K2Kp30	▼ Rea

1. Audio Select: there are two options for input Audio Select

a) Auto: If the input source is HDMI signal, system will get the embedded audio; if the input source is DVI signal, the system will get the corresponding analog audio

b) External: System will get the corresponding analog audio

- 2. Output Type: there are four options for output type:
 - 1. UHD-HDMI (HDCP OFF)
 - 2. UHD-DVI
 - 3. UHD-HDCP-1.4
 - 4. UHD-HDCP-2.2
- 3. Output Format: Set the output scaler resolution based on the chart below

Number	Output Resolution Setting	Number	Output Resolution Setting
1	3840x2160p 60Hz	9	1440x1050 60Hz
2	3840x2160p 50Hz	10	1366x768 60Hz
3	3840x2160p 30Hz	11	1360x768 60Hz
4	3840x2160p 25Hz	12	1280x1024 60Hz
5	1920x1200 60Hz	13	1280x768 60Hz
6	1920x1080p 60Hz	14	1280x720p 60Hz
7	1920x1080p 50Hz	15	1280x720p 50Hz
8	1600x1200 60Hz	16	1024x768 60Hz

FineTune Page

Select PQ FineTure Port Output Brightness Contrast Read Co	trix Switch Advanced Sv	witch Signal Sett	ting FineTune:PQ	OSD CTRL	Video Wall	CEC Con	trol N	letwork S	Setting
Registress Read 2 Input board: CVES or Component picture position edjust Saturation Read H Start -1 Shappess 3 H Start -1 R. Gain Read V Start +1 -1 R. Offset Read V Start +1 -1 R. Offset Read V Start +1 -1 Recet H Start +1 -1 -1 Work for the start +1 -1 <	Select PQ F	ineTune Port- O	utput1 v 1		Sel	ect Positio	n Fine	Tune Por	t-Input1 V
Saturation Reset H Start +1 1 Read Sharpness 3 H Start +1 1 Read Temperature Cool Read H Size +1 1 Read B-Coin Read Read V Size +1 1 Read B-Coin Read V Size +1 1 Read VOA input position adjust: B-Coin Read V Start +1 1 Read VStart +1 1 G-Offset Read V Start +1 1 Read Vstart +1 1	Brightness				Read t	he input :	ource	Read	DVI
Sharpees Item H Stort Item Item Temperature Cool Read VShart -1 Read H Stort H Stort H -1 Read G-Gain Read VSize +1 -1 R-Gfiset Read VSize +1 -1 R-Offiset Read VSize +1 -1 R-Offiset Read VSize +1 -1 Read VSize +1 -1 Read	Contrast	•	Read	2					
Sharpness	Saturation	•	Reset	-				1	
Temperature Cool Read H Size +1 -1 Reset R-Gain Read V Size +1 -1 Reset V Size +1 -1 G-Gain Read Read V Size +1 -1 Read Read V Size +1 -1 Read Read V Size +1 -1 Read Read N Size +1 -1 Read Read N Size +1 -1 Read Reset -1 N Size +1 -1 Read N Size +1 -1 Read -1 N Size +1	Sharpness	-					+1		Read
R.Gain Read V Size +1 -1 G.Gain Reset VGA input position adjust B.Gain Reset VSize +1 -1 ROffset Read VSize +1 -1 ROffset Read VSize +1 -1 Rooffset Read VSizer +1 -1 Rooffset Reset HSize +1 -1	Temperature	Cool 🗸	Read						
C-Gain Reset VGA input position adjust B-Gain Reset H Start: +1 -1 Read Reset C-Offset Reset H Size: +1 -1 ActorGonfig Reset H Size: +1 -1 ON OFF									Reset
B-Gain Reset H Start +1 -1 Reset Reset R-Offset Read V Start +1 -1 Reset Reset Not Off G-Offset Reset H Start +1 -1 Reset Not Off			Read						
H Start +1 -1 Read Reset G-Offset Read Reset H Start +1 -1 Read Reset H Start +1 -1 Read Reset H Start +1 -1 ON OFF			Reset						
G-Offset Read V Start 41 -1 G-Offset Reset H Size 41 -1 ON OFF							+1	-1	Read Recet
G-Offset H Size +1 -1 ON OFF			Read				+1	-1	
B-Offset V Size +1 -1							+1	- 1	
	B-Offset						+1	-1	

- 1. Choose the display by selecting the Output number corresponding to the display
- 2. Then click the "Read" button. Adjust Brightness, Contrast, Saturation, and/or Sharpness as desired.
- 3. If the video image looks incorrect after adjustments, reset to default settings by clicking on the "Reset button"



Video Wall Page

The EVMX44VW can be utilized to setup a 2x2 (4 display) video wall with any source connected, and furthermore can display multiple sources on the 2x2 video wall display.

<mark>∭²</mark> VM4K44H-v2.0.002				
Matrix Switch Advanced Switch Signal Set	ting FineTune:PQ	Video Wall	EC Control Network Setting	
VideoWall Setting	Video Wall			
Rows 2		_	-	
Columns 2	Screen 1	Screen 2		
Available 4				
Set Read				
Bezel Setting	Screen 3	Screen 4		
Туре: 🖲 А 🔾 В				
Left(Pixels)				
Right(Pixels)			Screen Splicing	
Top(Pixels)	2		3 Cancel Splicing	
Bottom(Pixels)			Screen 4 - Cancel Splicing	
Set			Input Select	>
			Output Select	>
Scene Save/Load			Output Type	>
Save scene Load scene			Output Format	>
			Mirror	>
			Test Pattern	>

1. Use the Video Wall Setting controls to change how the displays are arranged on the Video Wall page:

a. Adjust the Rows and Columns sliders to change the displayed screen arrangement to permit proper Drag-and-Select of the desired screens for the video wall

- b. Change the Available slider to set how many outputs will be used for the Video Wall
- c. Click "Set" to change the Screen configuration
- 2. Use the left mouse button to drag-select the screens that will be set for video wall mode. The selected screens will be shown as bright blue.
- 3. Use the right mouse button to open a menu.
- 4. Select "Screen Splicing" from the menu to program the video wall mode. The selected screens will now be shown as bright green.
- 5. To change the displayed image: right-click to open the pop-up menu and select the desired input from the "Input Select" menu option.
- Repeating steps 2 ~ 5 above with a different set of outputs allows the creation of a second video wall. However, changing the Rows, Columns and Available sliders will automatically delete the current video wall set up when the "Set" button is clicked.



Video Wall Page

Matrix Switch Sign	nal Setting FineTune	e:PQ Vie	deo Wall	CEC C	Control
VideoWal	Il Setting		Video Wa	II	
Rows 2 Columns 2 Available 4			Scree	en 1	Screen 2
Set	Read				
Bezel Type: A	Setting		Scree	en 3	Screen 4
Left(Pixels)					
Right(Pixels) Top(Pixels)					
Bottom(Pixels)					
	Set				
Scene Sar Save scene	ve/Load				

The following example shows a more video wall set-up of two video walls with two 2x1 configurations:

Video Wall Context Menu

Right clicking on any of the screen icons will display the following context menu:

Screen Splicing	
Cancel Splicing	
Screen 2 - Cancel Splici	ing
Input Select	,
Output Select)
Output Type	,
Output Format	,
Mirror)
Test Pattern	



Screen Splicing	This option connects the selected screens into a video wall configuration
Cancel Splicing	Return the Video Wall configuration to normal outputs
Screen x - Cancel Splicing	3840x2160p 30Hz
Input Select	Use the sub-menu to select the input to display on the video wall or the secondary input image shown in the above example
Output Select	This option is only available for any screen that is not assigned to a video wall mode
Output Type	This option is only available for any screen that is not assigned to a video wall mode
Output Format	This option is only available for any screen that is not assigned to a video wall mode. It allows setting of the output resolution for the selected screen output
Mirror	Two sub options : OFF (default), ON (H+V Mirror) When select "ON", you can make 180° rotation with the selected screen
Test Pattern	When Test Pattern is enabled, the output will display Color Bar pattern

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Bezel Setting

The Bezel Setting section allows the entry of values to compensate for the display bezel thickness. These values may be entered either as pixels (Type A) or as mm (Type B).

Type A Bezel Settings

The image size will be adjusted to allow for the number of pixels entered in each of the entry boxes. Click the "Set" button to view the effect of the new values.

Type B Bezel Settings

The image size will be adjusted to allow for the Inner and Outer display dimensions as entered in each of the entry boxes. Click the "Set" button to view the effect of the new values.

Bezel Compensation

The following images demonstrate the effect of not having bezel compensation and what a correctly configured bezel compensation settings should produce:



No Bezel Compensation



Correct Bezel Compensation

Layout Save/Load

The Save Scene/Layout and Load Scene/Layout buttons allow a video wall configuration to be saved or recalled at any time. Up to 10 configurations, each with their own name can be saved or recalled. When saving, each Scene can optionally be given a name to identify that video wall scene setup.



CEC Control Page

and the officer	Advanced Switch	Signal Setting	FineTune:PQ	Haco Hair		Network Setting			
Auto Power	ON								
				1					
	Ing	out					Output		
Input 1	Power ON	Power OFF		Output 1	Power Ol	N Power OFF	Volume+	Volume-	Mute/Unmute
Input 2	Power ON	Power OFF		Output 2	Power O	N Power OFF	Volume+	Volume-	Mute/Unmute
Input 3	Power ON	Power OFF		Output 3	Power Ol	N Power OFF	Volume+	Volume-	Mute/Unmute
Input 4	Power ON	Power OFF		Output 4	Power OI	N Power OFF	Volume+	Volume-	Mute/Unmute

If Auto Power On is enabled, every time when the product is turned on, it will turn on all the sources and displays which are connected to it.

The product supports CEC function, including Power on/off, Volume+/-, Mute/Unmute.

Control via Web

The built-in Web GUI interface provides basic control of the matrix switcher and access to the network settings. The default IP Address of a unit is 192.168.0.247. The following will be displayed when the web interface is accessed each time:

Authenticatio	n Required	×
?	http://10.64.88.1 is requesting your username and password. The site says: "S2	E"
User Name:		
Password:		
	OK Cancel	

The default User Name is: admin

The default Password is: admin

After entering the User Name and Password, an interface similar to the following will be displayed:



<u>Evolution</u>					
IP Config	Video OUTIN 1 2 3 4 1 2 3 4 4 Audio Switch Mode Fot	Audio 1 2 3 4 UR UR UR UR UR UR Auto Auto Auto			
		CEC			
	Output1 Power ON Power OFF Output1	Power ON Power OFF Volumn+ Volumn- Mute/Unmut			
	Output2 Power ON Power OFF Output2	Power ON Power OFF Volumn+ Volumn- Mute/Unmut	3		
	Output3 Power ON Power OFF Output3	Power ON Power OFF Volumn+ Volumn- Mute/Unmut	3		
	Output4 Power ON Power OFF Output4	Power ON Power OFF Volumn+ Volumn- Mute/Unmut			

Matrix Control	parameter
	IP type: Static IP 🗸
	Static IP: 10 64 0 88
	Submask: 255 0 0 0
	Gateway: 10 64 0 1
	Dns Server: 10 64 0 1
	Save Cancel

The IP Config tab is used to change the IP settings of the matrix switcher. Enter any necessary changes and click "Save" to program the switcher to the new settings or click "Cancel" to reject the changes.



LIMITED WARRANTY

With the exceptions noted in the next paragraph, Vanco warrants to the original purchaser that the equipment it manufactures or sells will be free from defects in materials and workmanship for a period of two years from the date of purchase. Should this product, in Vanco's opinion, prove defective within this warranty period, Vanco, at its option, will repair or replace this product without charge. Any defective parts replaced become the property of Vanco. This warranty does not apply to those products which have been damaged due to accident, unauthorized alterations, improper repair, modifications, inadequate maintenance and care, or use in any manner for which the product was not originally intended.

Items integrated into Vanco products that are made by other manufacturers, notably computer hard drives and liquid crystal display panels, are limited to the term of the warranty offered by the respective manufacturers. Such specific warranties are available upon request to Vanco. A surge protector, power conditioner unit, or an uninterruptible power supply must be installed in the electrical circuit to protect against power surges.

If repairs are needed during the warranty period the purchaser will be required to provide a sales receipt/sales invoice or other acceptable proof of purchase to the seller of this equipment. The seller will then contact Vanco regarding warranty repair or replacement.



TECHNICAL SUPPORT

In case of problems, please contact Vanco Technical Support by dialing 1-800-626-6445. You can also email technical support issues to techsupport@vanco1.com.

When calling, please have the Model Number, Serial Number (affixed to the bottom of the unit) and Invoice available for reference during the call.

Please read this Instruction Manual prior to calling or installing this unit, since it will familiarize you with the capabilities of this product and its proper installation.

All active electronic products are 100% inspected and tested to insure highest product quality and troublefree installation and operation. The testing process utilizes the types of high-definition sources and displays typically installed for entertainment and home theater applications.

For additional information, such as helpful installation videos, etc. please visit www.vanco1.com

LIABILITY STATEMENT

Every effort has been made to ensure that this product is free of defects. The manufacturer of this product cannot be held liable for the use of this hardware or any direct or indirect consequential damages arising from its use. It is the responsibility of the user and installer of the hardware to check that it is suitable for their requirements and that it is installed correctly. All rights are reserved. No parts of this manual may be reproduced or transmitted by any form or means electronic or mechanical, including photocopying, recording or by any information storage or retrieval system without the written consent of the publisher.

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