

This user guide provides basic instructions for setting up SEADA G44-DVI video wall controllers using its management software.



Document No.SD-MA-027Document Version:03



Table of Contents

1.	Hard	dware Overview5
2.	Hard	dware Overview5
3.	G44	Software6
3	8.1.	Matrix Switch6
	Aud	io route8
Э	8.2.	Signal settings9
Э	8.3.	FineTune: PQ & Position10
3	8.4.	OSD Control11
Э	8.5.	TV Wall
4.	Fror	nt Panel15
Z	l.1.	LCM display15
Z	l.2.	Audio Input Select (Default: Inner)15
Z	l.3.	Output Audio Select (Default: Inner)16
Z	l.4.	Audio Switch
Z	l.5.	Video Switch
Z	l.6.	Video + Switch
Z	l.7.	Input Type Setting
Z	l.8.	Output Type Setting
Z	l.9.	Output Resolution Setting19
Z	1.10.	Recall
Z	l.11.	Save As
5.	Com	imand Lines21
6.	Trou	ubleshooting
e	5.1.	No Connection
e	5.2.	No Output24
e	5.3.	Black screen



1. Product Introduction

1.1. Product profile

- G44 video wall controller can support up to 4 inputs/4 outputs.
- It supports HDMI, DVI, VGA, YPbPr, CVBS signal input/output through DVI-U jacket.
- It support RS232 communication interface, through the special PC tool to control the matrix signal switching, monitoring the working state of the matrix, set the signal resolution, etc..
- Seamless switching available;

1.2. Product capability

- Support 4 inputs and 4 outputs, 4 L/R audio inputs and 4 L/R audio outputs;
- Support HDMI/DVI, VGA, YPbPr, CVBS input;
- Support HDMI/DVI, VGA, YPbPr, CVBS output;
- Support a maximum resolution of 1600 x 1200@60hz;
- Support RS232 port control
- Support network port control
- Support IR remote control
- Support front panel button control
- Scalar inside, output resolution control available;

1.3. Specification & Parameters

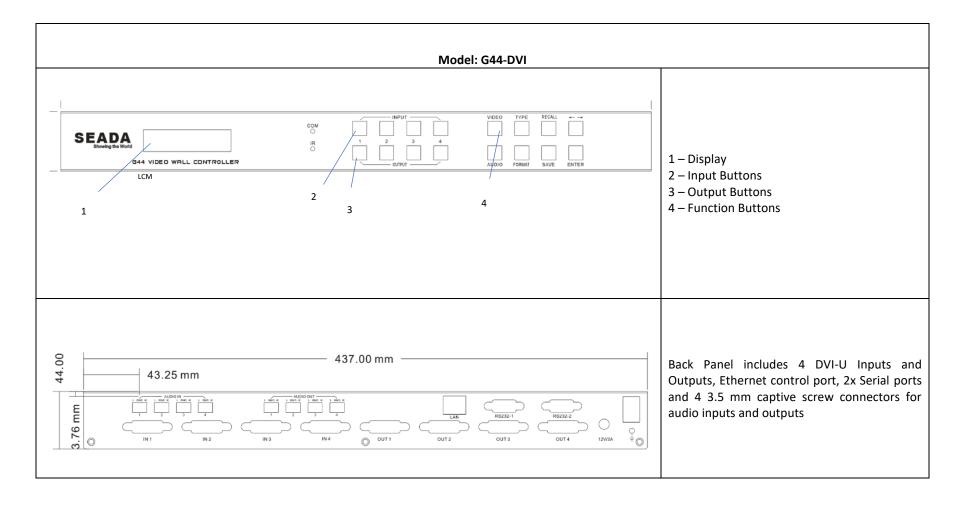
	Interface	Signal	
		HDMI	HDMI -1.3
Input HDMI HDMI HDMI -1.3 DVI DVI DVI 1.0 DVI 1.0 VGA 800x600,1024x768,1280x768,1280x800,1280x10 0x768,1400x1050,1600x1200,1920x1080 VPbPr 576i50,720p50,720p60,1080i50,1080i60, 1080p50,1080p60 CVBS PAL, NTSC Interface Signal HDMI HDMI V1.3A 1024x768,1280x1024,1360x768,1280x720 1600x1200,1920x1080,1680x1050 DVI-U DVI DVI-U VGA 1024x768,1280x1024,1360x768,1280x720 1600x1200,1920x1080,1680x1050 DVI-U DVI DVI-U DVI 1.0 1024x768,1280x1024,1360x768,1280x720 1600x1200,1920x1080,1680x1050 DVI DVI 1.0 1024x768,1280x1024,1360x768,1280x720 1600x1200,1920x1080,1680x1050 VGA 1024x768,1280x1024,1360x768,1280x720 1600x1200,1920x1080,1680x1050 YBPr VBPr 1080p60, 720p60 CVBS PAL/NTSC Control RS232 D-sub 9 Baud rate: 9600 <td></td> <td>DVI</td> <td>DVI 1.0</td>		DVI	DVI 1.0
	800x600,1024x768,1280x768,1280x800,1280x1024,136		
	0x768,1400x1050,1600x1200,1920x1080		
		YPbPr	576i50,720p50,720p60,1080i50,1080i60,
	1080p50,1080p60		
		CVBS	PAL, NTSC
	Interface	Signal	
		HDMI	HDMI V1.3A
			1024x768,1280x1024,1360x768,1280x720
			1600x1200,1920x1080,1680x1050
		DVI	DVI 1.0
Input HDMI HDMI -1.3 DVI DVI 1.0 DVI 1.0 VGA 800x600,1024x768,1280x768,1280x800,1280x1 0x768,1400x1050,1600x1200,1920x1080 0x768,1400x1050,1600x1200,1920x1080 YPbPr 576i50,720p50,720p60,1080i50,1080i60, 1080p50,1080p60 CVBS CVBS PAL, NTSC Interface Signal HDMI HDMI V1.3A 1024x768,1280x1024,1360x768,1280x720 1600x1200,1920x1080,1680x1050 DVI-U DVI DVI-U VGA 1024x768,1280x1024,1360x768,1280x720 1600x1200,1920x1080,1680x1050 VGA 1024x768,1280x1024,1360x768,1280x720 1600x1200,1920x1080,1680x1050 VGA 1024x768,1280x1024,1360x768,1280x720 1600x1200,1920x1080,1680x1050 VGA 1024x768,1280x1024,1360x768,1280x720 1600x1200,1920x1080,1680x1050 VGA VFbPr 1080p60, 720p60 CVBS PAL/NTSC	1024x768,1280x1024,1360x768,1280x720		
	DVI-U		1600x1200,1920x1080,1680x1050
		VGA	1024x768,1280x1024,1360x768,1280x720
			1600x1200,1920x1080,1680x1050
		YPbPr	1080p60, 720p60
		CVBS	PAL/NTSC
Control	RS232	D-sub 9	Baud rate: 9600
Size	W*D*H	430 (mm)) ×220 (mm) ×44 (mm)



	DC	12V/3A power adapter
Power	Power 25W consumption 0°C—40°C	
consumption		
Tomporaturo	Operating	0°C—40°C
Temperature	temperature	



1. Hardware Overview





2. G44 Software

Users can run the G44.exe software directly without installation. Software is on the disk in the package or you can download it from the SEADA website

There are 5 main tabs in this software to help users design a creative video wall layout. Device, Output and Input

Matrix PC tool-V	/M44-v3.0.58				– 🗆 X
Matrix Switch Sig	nal Setting FineTune	e:PQ&Position OSD CT	RL TV Wall		Matrix Mode 🗸 🗸
Video-Output1		Input2 Input3 Inpu 2 3 4	t4		
Video-Output2	02				
Video-Output3	3				
Video-Output4	<u>4</u>				
Allset Input4 Ctrl Mode UART Netw	 Recall Mode vork Port COM4 			Note: Please WAIT unit! all info reading success!	
Device Name	IP Address	MAC Address	Version	Reading: Output Port2 -> Signal Resolution success Reading: Output Port3 -> Signal Type success Reading: Output Port3 -> Signal Resolution success	^
				Reading: Output Port3 -> Signal Resolution success Reading: Output Port4 -> Signal Type success Reading: Output Port4 -> Signal Resolution success Reading: Output Port4 -> Signal Resolution success Reading: Screen Combine success Reading: All Information success!	
		Search Device		incomigness mornation addeess:	~

1.1. Matrix Switch

Users can configure the G44 device and connect the device to control PC in this section.

1.1.1. Connect to the G44 via UART

Connect the G44 to the control PC with a serial cable

- 1. Click the dropdown menu right of Port to select the COM port. Port
- Click the button right of Status to connect to the device (the button will change from Disconnected to Connected)
 Status Connected
- 3. If the COM port does not exist, then the PC tool will show a message of 'COM x not detected!'. If this message occurs, you should start from step 1 after you connect a serial cable to the computer.
- 4. If the device or the connection is faulty, then a message will occur as follows after 3 seconds. Please check if your device or hardware connection is correct.



COM4 -

Matrix PC tool-v1.0.804	X
device response time	out
	OK



 If all is right, the PC tool will read some information from the device. It probably takes 5 seconds and it will show 'Reading: All information success!" when finished.

Note: Please WAIT unit! all info reading success!

Reading: Output Board2 -> Signal Resolution success	1
Reading: Output Board3 -> Signal Type success	
Reading: Output Board3 -> Signal Resolution success	
Reading: Output Board3 -> Signal Resolution success	
Reading: Output Board4 -> Signal Type success	
Reading: Output Board4 -> Signal Resolution success	
Reading: Output Board4 -> Signal Resolution success	
Reading: Screen Combine success	
Reading: All Information success!	Ľ
	Ι.

1.1.2. Connect to the G44 via Network

The default IP address for G44 controller is **192.168.0.247** Users need to change the IP address of the control PC to the same network segment as the G44.

• Change the 'Obtain an IP address automatically'

to **'Use the following IP address'** to set up a **static** IP address of **TCP/IPv4** in **Ethernet Properties** > IP address: any address between **192.168.0.2** and **192.168.0.254** except the address which has been taken by the G44

Subnet mask: 255.255.255.0, Default Gateway: 192.168.0.1

• Once the control PC IP address having been set up, connect PC to either the RJ45 ports of G44 controllers via a network cable and then press the **Connect** button to connect the device.

1.1.3. Matrix Switch Routing

Users can switch and assign different inputs to the selected outputs in the matrix. The name of the input/output can also be changed by selecting the default name – Input1/Video-Output1 and replacing it with the chosen name.

Vida	~	Input1	Input2	Input3	Input4	
Video	9		2	3		
Video-Output1	1			1		
Video-Output2	2					
Video-Output3	3			-	1	
Video-Output4	4			I.	-	

1.1.4. Allset, Recall, Save As and Reset

The G44 unit has 32 modes (or	Allset Input4	~	Recall	Mode1 ~	SaveAs Mode1	~	Reset
presets) already saved. Selecting	1			<u> </u>			

one of them from the recall Menu will select that specific preset.

If you would like to save a preset you have already created, select the dropdown menu and choose which slot you want to save it in.

Finally, the Allset dropdown menu helps the users select a single input to be displayed on all of the screens (i.e. Allset Input 4 would display Input 4 on Output 1, Output 2, Output 3 and Output4.)

The reset button, resets the default settings of the unit – Input 1 mapped to Output 1, Input 2 mapped to Output 2 etc. (Including the audio)



1.1.5. Presentation Mode

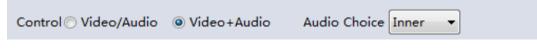
From the dropdown menu in the top-right corner, users can select either Matrix mode or Presentation mode.

- Matrix Mode The Inputs and their audio source are mapped to each other. Meaning that Input 1 will have the audio source from Input 1, Input 2 will have the audio source from Input 2 etc.
- Presentation Mode This allows the user to control the audio source separately The video screen can display input 2, however the audio source can be any of the inputs (including input 2)

Matrix PC tool-VI	M44-v3.0.58							3	- 0	×
Matrix Switch Sign	nal Setting FineTune	PQ&Position OSD CTR	L TV Wall						Presenta	tion M
Vide	The second secon	nput2 Input3 Input 2 3 4	4	Aud	io	Input1 • L/R • Inner	Input2 L/R O Inner	Input3 L/R O Inner	Input4 L/R O Inner	
	•1 •2			Audio-Output1	OL/R Olnner					
	•3			Audio-Output2	OL/R Olnner			-		
Control Video/A	udio OVideo+Auc	lio		Audio-Output3	OL/R Olnner					
Allset Input4	V Recall Mode	1 🗸 SaveAs Mode1	~ Reset	Audio-Output4	OL/R Olnner		-			
Ctrl Mode OUART ONetw	ork Port COM4	V Status Connec	ted EDID	Note: Please WA	IT unitl all i	info readi	ing succes	ss!		
Device Name	IP Address	MAC Address	Version	Reading: Output Reading: Output Reading: Output Reading: Output Reading: Output Reading: Output Reading: Output	t Port3 -> 5 t Port3 -> 5 t Port3 -> 5 t Port3 -> 5 t Port4 -> 5 t Port4 -> 5	Signal Tyş Signal Re Signal Re Signal Tyş Signal Re	oe success solution si solution si oe success solution si	s uccess uccess s uccess	^	
		Search Device		Reading: Screen Reading: All Info					~	

Video and audio can be controlled separately(default):

Video and audio can be controlled together. And then you can select which audio channel will be controlled.



Audio route



Audio-Output1	⊖L/R ⊖Inner		
Audio-Output2	⊖L/R ⊖Inner		
Audio-Output3	⊖L/R ⊙Inner		
Audio-Output4	⊖L/R ⊙Inner		

Click to control audio route. And the blue button represents current route information.

NOTE: Audio output X has two type (L/R and Inner).

1.2. Signal settings

In the signal settings tab, the user can see the Input Resolution and Input Type as well as the Output Type and Resolution. The read all function will recognize the type and resolution automatically, however if the user wants to change the input resolution, then you can adjust it manually via the dropdown menu.

Additionally, you can also manually read one Input/Output at a time – pressing the read button next to the selected input will only read that input alone.

Mat	trix PC tool-VM	44-v3.0.58						1 <u>797</u> 7	×
Matrix	Switch Signa	Setting FineTun	e:PQ&Position OSD CTRL	TV Wall					
-Inpu	it Port-Rea	ad All		Outp	ut Port— Rea	d All			
Label	Input Type	Input Format		Label	Output Type	Output Format			
1	DVI ~	1280x720p60	Read	1	HDMI ~	1920x1080p60 ~	Read		
2	DVI ~	1280x720p60	Read	2	HDMI ~	1920x1080p60 ¥	Read		
3	DVI ~	1280x720p60	Read	3	HDMI ~	1920x1080p60 ¥	Read		
4	DVI ~	1920x1080p60	Read	4	HDMI ~	1920x1080p60 ~	Read		



1.3. FineTune: PQ & Position

Select PQ F	ineTune Port- Output1	×	Sel	ect Position FineTune F	Port-Output1 V
Brightness			Read t	he input source Read	HDMI
Contrast		Read	CVBS/YPE	opr or HDMI/VGA&108	30P/720P/1024x768 position a
Saturation		Reset		I Start	
Sharpness				/ Start	Read
Temperature	Cool 🗸 Read			H Size	Reset
R-Gain		2		V Size	
G-Gain		Read		VGA input :	position adjust
B-Gain		Reset			
R-Offset				Start	Read Reset
it chiper		Read	20 B	/ Start	Auto-Config

1.3.1. PQ Control

This section highlighted in red allows the user to fine-tune the settings of their screen from the G44 software.

The dropdown menu at the top of the section allows the user to select which screen to apply the settings to

The read option reads the settings of the monitor/screen that are already in place and adjusts the values in the software, while the reset button will reset the settings to their default after they have been manually adjusted.

1.3.2. Position Control

The section highlighted in blue allows the user to fine-tune the position of their screen. Parameters such as H Start V start, and H Size and V Size will allow the user to adjust the starting position and the size of the screen (H – Horizontally, V - Vertically)

The dropdown menu at the top of the section allows the user to select which screen to apply the settings to

The read option will read the monitor/screen settings that are already in place and adjust the values in the software and the reset button will reset to the default values after the values have been manually adjusted.



1.4. OSD Control

Matrix PC tool	-VM44-v3.0.58			<u>1880</u> 5		×
Matrix Switch S	ignal Setting FineTune:PQ&Position OSD CTRL TV Wall					
Board Address	Output4 ~	Text Content				
Display	ON OFF	Ауор	^	Text mode		
Transparent	ON OFF			Date format Date at		
Alpha 255	Set .			Time format	11:32:3	4 🗸
Text Color	More V			Time at		
ackground Color	More V			Update every Save every		Sec Min
Position	Relative Vertical Dow Set		-	Sync Time		
Font	SimHei v 32x32 v Set	Set Read Import Mode 1 v Save Mode 1 v	Expo]	

1.4.1. Text Content

There are several modes of OSD – Normal, 3x3 and 3x4.

With the normal mode there will be only one column displayed at a time. Normal mode allows for more lines to be added as well. Simply press enter to go to a new line

3x3 and 3x4 modes add additional columns that can be displayed on the OSD.

3x3 - Repeats the Text Content 3 times in 3 columns

3x4 – Repeats the Text Content 3 times in 4 columns

	Text Content		
Ауор	(1)	Text mode	Normal
		Date format	2019/06/
		Date at	Line 3
		Time format	11:32:34
		Time at	Line 4
		Update every	1 Sec
		Save every	2 Min
	~	Sync Time	

When the Sync Time checkbox is ticked, then the date and time will be displayed. The user can select on what line both the Date and the Time to appear and what their format is.

Additional settings can be found underneath for the time update settings. The "Update Every _____ sec" setting will tell the OSD how often to update the time (every 1 second functions like a digital watch and updates every second, while anything over 1 second will update only as often as specified by the user)



- Set This will apply the current settings for the OSD Text Content and will display it onto the screen
- **Read** This function will read any existing OSD settings on the screen.
- Import This allows the user to import any OSD settings from another control PC (Any settings that have not been saved on the device itself)
- Export The user can export any of the OSD settings from this software into an .osd file
- **Reset** This resets the OSD settings to factory default.

The mode save and mode load settings allow the user to load a pre-existing OSD preset and to save the current one into one of the 8 slots (Note: These mode slots are different than the Matrix Switch modes and there are only 8 of them)

1.4.2. Text Settings

The user can apply the OSD settings to one screen at a time. The Board Address dropdown menu dictates which screen is the OSD being setup on.

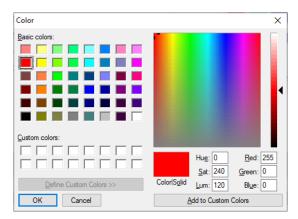
Display will hide or show the text

Transparent when selected off will apply a solid background to the text so that it is more easily readable. When selected on it will remove the solid background and only the text will remain.

Matrix Switch S	ignal Setting F	FineTune:PC	&Position	OSD CT	RL	TV Wall
Board Address	Output4 ~					
Display	ON OFF					
Transparent	ON OFF					
Alpha 255		Set				
Text Color		—		N	lore	~
ckground Color				N	lore	~
Position	Relative 🗸	Horizon	Righ ~	Vertical	Dow	~ Set
Font	SimHei 🗸	32x32 ~	Set			

The alpha slider dictates how opaque the text is – 0 being invisible and 255 being 100% opacity.

Text Color will change the color of the text only. This setting has 5 color slots, however when clicking the dropdown menu and clicking on one of the 5 colors, it will select that slot and open the following menu:



This allows the user to customize the colors they want.

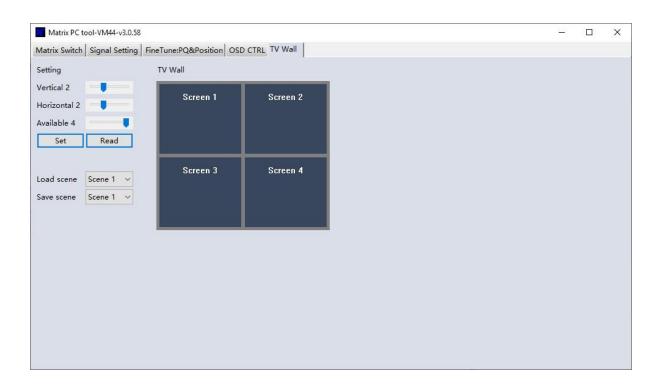


The BACKGROUND COLOR is similar to the Text Color setting; however, it only applies to the background (Only works if the Transparent setting is off)

Position can be relative or absolute. Relative will allow the customer to align the text – Top/Middle/Bottom vertically, and/or Left/Middle/Right horizontally. Absolute will allow more flexibility for the customer as it allows for X and Y positioning of the text.

Font allows the user to select from three different fonts – SimHei, KaiTi, SimSun. The dropdown menu next to the font controls the size of the text.

Set applies the changes.



1.5. TV Wall

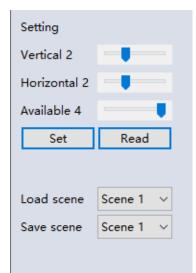
In the TV WALL tab, the user can design the setup they have in front of them to mirror it in the software. This allows for some video wall functionalities of the unit – screen stitching. Right-clicking on the screens will bring up the additional options menu.



Matrix PC tool-VM44-v3.0.58							_	×
Matrix Switch Signal Setting Fine	Tune:PQ&Position OSD	CTRL TV Wall						
Setting	TV Wall							
Vertical 2 Horizontal 2	Screen 1	Screen 2						
Available 4								
Load scene Scene 1 v Save scene Scene 1 v	Screen 3	Screen 4						
			Screen Stitching Cancel Stitching		g			
			Input Select	>				
			Output Select	~ ~				
			Output Type	>				
			Output Format	>				
			Horizontal adjust					
			Vertical adjust	>				
		~	Sync lock]			

- Screen Stitching This combines the selected screens into one and displays the selected input across all of the stitched screens. For example, in the setup below 2x2, if all of them are stitched, then the input selected by the user will be displayed across all of the 4 screens (Note: this is not the same as duplicating a single input on each output)
- Cancel Stitching This will undo the stitching and will revert to the screens being individual.
- Input Select Similarly to the video routing matrix, this allows the user to control which output is displayed on which screen (Note: Selecting an input on any of the screens when stitched will display it on the stitched screen and not on the individual screen)
- **Output Select** The user can control which screen should be mapped to which output
- **Output Type –** Allows the user to adjust the type of the output HDMI, VGA, HDMI etc.
- Output Format Controls the resolution of the output
- Horizontal adjust Lets the user adjust the horizontal position of the screen
- Vertical adjust Lets the user adjust the vertical position of the screen

The user can save the designed scene (preset) and load it later via the Load Scene and Save Scene dropdown menu. This allows for easier switching between layouts – for example a stitched layout, a layout of 2x2 individual screens, a 2-screen stitching with 2 individual screens etc.





2. Front Panel

Input/Output Buttons

Video/Audio Select Buttons

Туре

Format

Recall

Save

 \leftrightarrow

Enter

2.1. LCM display

LED light flashing once when device receives a valid key pressing.

Continuous key pressing should be within 5 seconds, and the LCM screen will show the video route info if timeout happens.

LCM screen can show two lines which consists of 16 characters each.

Some key words information as below:

V: Video route info;

A: Audio route info;

T: Type;

F: Format or resolution;

2.2. Audio Input Select (Default: Inner)

Keys operation: AUDIO + INx + \rightarrow + ENTER

Description: Select audio type: Inner or L/R.

Display: (LED light flashing once when a valid key pressed)

1. Press AUDIO, then the LCM screen will show function menu

S	E	Т		I	Ν	Ρ	U	Т		A	U	D	Ι	0	
Ρ	R	Ε	S	S		Ι	Ν		1		2		3		4

2. Press INx to select which input port will be set, and the LCM screen will show the current setting first.

3. Press \rightarrow to change the setting (Inner or L/R).

4. Press ENTER to take effect.



2.3. Output Audio Select (Default: Inner)

Keys operation: AUDIO + AUDIO + \rightarrow + \rightarrow + ENTER

Description: Select which audio will be controlled in 4.4 Audio Switch and 4.6 Video + Audio Switch.

Display (LED light flashing once when a valid key pressed):

1. Press AUDIO, then the LCM screen will show function menu

S	E	Т		Ι	Ν	Ρ	U	Т		A	U	D	I	0	
Ρ	R	Ε	S	S		Ι	Ν		1		2		3		4

2. Press AUDIO again, then the LCM screen will show function menu

S	E	Т		0	U	Т	Ρ	U	Т		A	U	D	Ι	0
Ρ	R	Ε	S	S		<	-		-	>					

3. Press \rightarrow the LCM screen will show the current setting.

- 4. Press \rightarrow to change the setting value (Inner or L/R or Both).
- 5. Press ENTER to take effect.

2.4. Audio Switch

Keys operation: INx + AUDIO + OUTx [+ OUTX2 + OUTX3 + OUTX4] + ENTER

Description: Switch input audio port x to audio output port X1[X2] [X3] [X4]. And the output port NUM can be 1 to 4.

Display (LED light flashing once when a valid key pressed):

1. Press INx as audio input port

2. Press AUDIO, then the LCM screen will show current audio route information

3. Press X1[X2] [X3] [X4] keys as audio output ports, then the input of outputX1[X2] [X3] [X4] will show as '>XX'

4. Press ENTER to switch the input, and the LCM screen will show the latest video route information.

Α		Ι	Ν	:	1		2		3		4
	0	U	Т	:	1		2		3		4

Note: The output audio may be Inner or L/R or Both according to the user's setting in 4.3 Output Audio Select.



2.5. Video Switch

Keys operation: INx + VIDEO + OUTX1 [+ OUTX2 + OUTX3 + OUTX4] + ENTER

Description: Switch input video port XX to video output port X1[X2] [X3] [X4]. And the output port NUM can be 1 to 4.

Display (LED light flashing once when a valid key pressed):

- 1. Press INx as video input port
- 2. Press VIDEO, then the LCM screen will show current video route information

3. Press X1[X2] [X3] [X4] as video output port, then the input of output X1[X2] [X3] [X4] will show as '>XX'

4. Press ENTER to switch the input, and the LCM screen will show the latest video route information.

V		I	Ν	:	1		2		3		4
	0	U	Т	:	1		2		3		4

2.6. Video + Switch

Key operation: INx + OUTX1 [+ OUTX2 + OUTX3 + OUTX4] + ENTER

Description: Switch input Audio + Video port XX to Audio + Video output port X1[X2] [X3] [X4]. And the output port NUM can be 1 to 4.

Display (LED light flashing once when a valid key pressed):

1. Press INXX as input port, then the LCM screen will show current video route information

2. Press X1[X2] [X3] [X4] as output port, then the input of outputX1[X2] [X3] [X4] will show as'>XX'

3. Press ENTER to switch the input, and the LCM screen will show the latest video route information.

Y		I	Ν	:	1		2		3		4
	0	U	Т	:	1		2		3		4

Note: The output audio may be Inner or L/R or Both according to the user's setting in 4.3 Output Audio Select.



2.7. Input Type Setting

Keys operation: TYPE + INXX + \rightarrow + ENTER

Display:

1. Press down TYPE, shows as follows:

Т		S	Ε	Т		Ι	Ν	/	0	U	Т		
					Т	Y	Ρ	E					

2. Press down INXX as input port, then will show the current type of the input port

Т			I	Ν	:		1					
	Т	Y	Ρ	Е	•••	С	V	В	S			

- 3. Press \rightarrow 1 or more time to change the input type (DVI/VGA/YUV/CVBS)
- 4. Press ENTER to set the input type

2.8. Output Type Setting

Keys operation: TYPE + OUTXX + → + ENTER

Display:

1. Press TYPE, show as follows

Т		S	Ε	Т		Ι	Ν	/	0	U	Т		
					Т	Y	Ρ	E					

2. Press OUTXX as output port, then will show the current type of the output port

Т		0	U	Т	:		1					
	Т	Y	Ρ	E	:	С	V	В	S			

- 3. Press \rightarrow 1 or more time to change the input type (HDMI/DVI/VGA/YUV/CVBS)
- 4. Press ENTER to set the output type



2.9. Output Resolution Setting

Keys operation: FORMAT + OUTXX + → + ENTER

Display:

1. Press TYPE, shows as follows

F		S	Ε	Т			0	U	Т		
			F	0	R	Μ	A	Т			

2. Press OUTXX as output port, then will show the current resolution of the output port

F	0	U	Т	:	1									
	F	Μ	Т	:	1	6	0	0	х	1	2	0	0	

3. Press \rightarrow one or more times to change the output resolution (1024x768/1280x1024/1360x768/1280x720 1600x1200/1920x1080/1680x1050)

4. Press ENTER to set the output resolution

2.10. Recall

Keys operation: RECALL+INXX+ENTER

OR: RECALL+OUTXX+ENTER

Description: Load the audio and video route info of mode XX

NOTE: (Only 8 modes supported via front panel, but it can be max to 32 modes via PC Software) :

IN1 – Mode 1

- IN2 Mode 2`
- IN3 Mode 3
- IN4 Mode 4
- OUT1 Mode 5
- OUT2 Mode 6
- OUT3 Mode 7
- OUT4 Mode 8



2.11. Save As

Key operation: SAVE + INXX + ENTER

OR: SAVE + OUTXX + ENTER

Description: Save current audio and video route info to mode XX

NOTE: (Only 8 modes supported via front panel, but it can be max to 32 modes via PC tool) :

- IN1 Mode 1
- IN2 Mode 2`
- IN3 Mode 3
- IN4 Mode 4
- OUT1 Mode 5
- OUT2 Mode 6
- OUT3 Mode 7
- OUT4 Mode 8





3. Command Lines

Save the layout (matrix switcher)

Instruction Format (ASCII)	x,S	
Function	To save the c	current displaying status as a preset layout for future recall
Parameters	Х	The layout ID (1-32)

【Example】 3,S	
To save the current displaying status as layout 3	

Load the layout (matrix switcher)

Instruction Format (ASCII)	x,R	
Function	Recall the pr	eset layout
Parameters	Х	The layout ID (1-32) which need to be loaded.

【Example】6,R To load the 6th layout

Switch one input signal to all outputs

Instruction Format (ASCII)	x,Y	
Function	T switch the	video and audio of one input to all outputs at the same time
Parameters	Х	The Input ID (1-4)

【Example】2,Y To output the video and audio from input 2 to all 4 outputs at the same time



Switch video/audio from one input signal to one output

Instruction Format (ASCII)	a,b,V						
Function	To switch th	e video of one input to one output, no audio switch					
Parameters	а	The Input ID (1-4)					
T arameters	b	The Output ID (1-4)					
Instruction Format (ASCII)	ı,b,A						
Function	To switch th	To switch the audio of one input to one output, no video switch					
D	а	The Input ID (1-4)					
Parameters	b	The Output ID (1-4)					
Instruction Format (ASCII)	a,b,Y						
Function	To switch th	e video and audio of one input to one output at the same time					
D	а	The Input ID (1-4)					
Parameters	b	The Output ID (1-4)					

【Example】

2,3,V

To output the video from input 2 to output3, no audio change on output3

2,3,A

To output the audio from input 2 to output3, no video change on output3

2,3,Y

To output the video and audio from input 2 to output3 at the same time



Switch multi input signals to multi outputs

	a,b,c,d,V a,b,c,d,A a,b,c,d,Ya,b,c,d,Ya,b,c,d,e,f,Va,b,c,d,e,f,A a,b,c,d,e,f,Y a,b,c,d,e,f,g,h,V a,b,c,d,e,f,g,h,A a,b,c,d,e,f,g,h,Y					
Function	T switch the video only (V) or audio only (A) or video & Audio (Y) of the multi inputs to multi outputs					
Parameters	a,c,e,g The Input ID (1-4)					
	b,d,f,h	The Output ID (1-4)				

C Example **1**,2,2,3,3,4,4,1,Y To output the video and audio from input 1 to output2 at the same time To output the video and audio from input 2 to output3 at the same time To output the video and audio from input 3 to output4 at the same time To output the video and audio from input 4 to output1 at the same time

Auto match all inputs to all outputs

Instruction Format	
(ASCII)	All;
Function	T switch inputs 1,2,3,4 to outputs 1,2,3,4 respectively

【Example】 All;
Output1 shows input1, output2 shows input2, output3 shows input3, output4 shows input4



4. Troubleshooting

4.1. No Connection

- 4.1.1.Ensure the G44 is powered up
- 4.1.2. Ensure the PC and G44 at the same IP group
- 4.1.3. Ensure the IP address is correct for G44
- 4.1.4. IP address of each device will be shown on screen when no video input is applied.

4.2. No Output

- 4.2.1.Ensure the video source is on
- 4.2.2.Ensure the video source device sends the signal out (G44 INPUT statue LED light will be on if input video signal presents)

4.3. Black screen

- 4.3.1. Ensure the G44 and screens are powered up
- 4.3.2. Ensure the connection to screens are OK
- 4.3.3. Ensure the screens on correct channel (DVI or HDMI or VGA)
- 4.3.4.Ensure that the inputs are assigned correctly (i.e. Input 1 on Output 1, Input 2 on Output 2 etc.

SEADA Technology Ltd

SEADA House

Saxon Business Park

Hanbury Road

Bromsgrove

Worcestershire

B60 4AD

United Kingdom

Email: sales@seada.co.uk

Phone: +44 (0)1527 584364

Fax: +44 (0)1527 962998

