



GM9 User Guide

This user guide provides basic instructions for setting up SEADA GM9 Creative Video Wall Controller and how to create eye catching video wall using its management software.



Document No. SD-MA-031

Document Version: 02



Contents

Ι.	9	SET UP CC	DNNECTION	2
II.	ι	וע		3
III.	(OPERATIC	DN	4
	1、	LAYOUT		4
	2、	Edit		5
	3、	CONNECT	ION SETTINGS	5
	4、	CONFIGU	RATION	7
		4.1	Output Resolution Setting	7
		4.2	System Setup	7
	5.`	VIDEO		C
	6、	PICTURE.		2
	7、	Mobile S	ETTINGS1	5
	8、	OTHER CO	DMMANDS	7
	9、	Help		8
IV.	(CONTROL	ASSISTANT TOOLS19	9
	1、	OSD		9
	2、	VIDEO CO	NTROL	C
	3,	Set up U/	ART22	1
V.	F	IRMWAR	E UPGRADE22	2
	1、	FPGA FIR	MWARE UPGRADE	2
	2、	CPU FIRM	1WARE UPGRADE	2



i. Set up connection

1. Set up the static IP address on control PC

The default IP address of GM9 is **192.168.1.136**. The control PC needs to be at the same range of controller to connect to the GM9

• Open the 'Ethernet Properties' windows on the Control PC

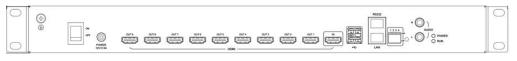
• Highlight the TCP/IPv4 in Networking and click the Properties button to open the TCP/IPv4 Properties window

• Change the 'Obtain an IP address automatically' to 'Use the following IP address to set up a static IP address

➢ IP address: any address between 192.168.1.1 and 192.168.1.253 except the address which has been taken by the GM9

Subnet mask: **255.255.255.0**, Default Gateway: **192.168.1.254**.

2. Connect GM9 to screens and other devices, Ensure the 'LAN' port on GM9 is connected, not the 'RS232' port



3. Connect the control PC to powered up GM9 with network port. Ensure the 'LAN' port on GM9 is connected, not the 'RS232' port since both of them use RJ45 connection.

4. Open the GM9 software and click 'Player Connection Settings' or 'P' button on toolbar to open the connection dialog box.



In this dialog box, all the GM9 units connecting to this control PC will be shown in the list. Highlight GM9 to be connected and then press **'Connect'** button to connect. A **'connected'** message will be shown once the connection is established.

Note:

if the GM9 software can not be run on the control PC

Reason	VC++ redistribution not installed at current OS
Solution	Please download and install the 'vcredist_x86.exe' from Microsoft or contact SEADA for support

If a 'Please change your display scale to 100%' message dialog box coming up, please change scale back to 100% in control PC's Display Settings





ii. UI



GM9 management software provides a GUI in ribbon style for the users and enables users to interactively move, resize, position, and crop any input capture windows. The whole GUI consists of four main parts:

1. Toolbar

Users can manage the GM9 units with the commands on the toolbar.

2. Video Input List

It lists all the different shapes of the windows for HDMI capture input. Users can drag and drop onto video wall.

3. Video Wall Display Area

It shows the layout of current windows on video wall and users can manage the inputs windows here via mouse

4. GM9 Onboard Layout List

It shows the preset layouts on GM9. Users can load and delete the layouts here on GM9.





iii. Operation

1、Layout



Users can set up the layouts for the open windows of input video from HDMI capture on the wall. The layouts will be saved onto control PC, not onto GM9 itself and the amount of the layouts can be saved are unlimited here.

1.1 New Layout

Create a new blank layout

1.2 Open Layout

Open an existing layout from the control PC

1.3 Save Layout

Save the changes to the current layout onto control PC

1.4 Save As

Save the current layout to as different layout onto control PC

1.5 Exit

Exit the software

1.6 Import Layouts onto GM9



Uses can load the layouts from control PC onto GM9 or delete the layouts from GM9 in this section, therefore the 3rd party controller can change the layouts using command lines. Right click on 'GM9 Onboard Layout List' area to open the dropdown menu.





2、Edit

Users can close single or all the opened windows of HDMI captured videos in Video Wall Display Area

Layout(F)	Edit	:(E)	Connect	ion(L)	Config	uration	
0 😂 日	🕲 Clo		se(E)	D	Delete P		
	A	CIC	se All(A)			-	

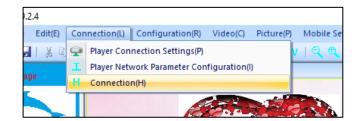
2.4 Close

Close the current highlighted on the Video Wall Display Area

2.5 Close All

Close all video input windows on the Video Wall Display Area

3、 Connection Settings



3.1 Player Connection Settings

All GM9 units connecting to this control PC will be shown in the list. Highlight GM9 to be connected and then press 'Connect' button to connect. A 'connected' message will be shown once the connection is established.

SN 1	IP 192.168.15.98	MAC 00:00:01:18:30:B2	TCP Port 2323	ID 20181203-178	Ver Player ver: 1.6.3.3 FPGA ver: 5.0 Channel: (Two Input Four Output)



3.2 Player Network Parameter Configuration

Users can change the network settings of the connected GM9 in this section.

IP	192	•	168	3.,	1	•	2	36			
Subnet mask	255	•	255	5.	25	5.	g I	0			
Gate Way	192	•	168	3.	1	•	2	54			
DNS	8		8		8	•	3	8			
MAC	0	0		0		0		0	0		
Port	6666				1.85			•			
ок		ſ.						incel		ï.	

3.3 Connection

Once being pressed, control PC will reconnect to the GM9 automatically.



4. Configuration

Connection(L)	Con	figuration(R)	Video(C)	Picture(P)	Other Con	
	R	Output Resol	lution Settin	ng(R)	2 111	
H First Scr	П					

4.1 Output Resolution Setting

Users can set up the output resolution to match the screens to be used in the video walls.

(1024X768@60Hz 、 1280X720@60Hz 、 1280X768@60Hz 、 1280X800@60Hz 、 1280X1024@60Hz、 1920X1080@60Hz、 1920X1200@60Hz)

users are also able to customize the output resolution in this section.

4.2 System Setup

Users can setup their video wall in the **System Setup** section of the GM9 software. This is accessed from the **Configuration** menu or from the shortcut on the toolbar

Connection(L)	Cor	nfiguration(R)	Video(C)	Picture(P)	Other Com	
🛍 🛛 🔿 🗛	R	Output Reso	lution Setti	ng(R)	2 181	
Id Einet Car	H	System Setup	(W)		-	

4.2.1. Output Selection

GM9-Rotate set			
Output Selecti	on		
Manufacturer:	NEC	✓ Model: X555UN	 ✓ Edit

This section allows users to select what type of monitor they have. First select the **Manufacturer** and then select the **Model**. If the monitor you

have is not in the list, you can add it manually by clicking on the **Edit** button.

Type in the name of the **Manufacturer** and **Model**. Afterwards you can enter the dimensions of the display area and the bezels of the screen. After you are done you can select Save and then you will find it under the **Manufacturer** and **Model** you have saved it under.

GM9-Output Edit			
Output Manufacturer: NEC	~	Model: 222	~
Manufacturer: Model:			New
Display Area Width:	[mm	Del
Display Area Height:	295.00	mm	Save
BezelLeft:	17.00	mm	
BezelRight:		mm	
BezelTop:		mm	Exit
BezelBottom:	17.00	mm	LAIL



4.2.2 Add Outputs

Users can add more screens to your video wall in **Add Outputs** section.

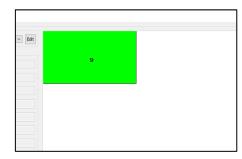
Double click on a screen to add or remove it. After users finish adding/removing screens, just select **Add Outputs to Wall** and screens will appear on the video wall section. **Clear**

		Clear Selec
	Add Outputs to Wall	

Selection will clear all of the added screens from the Add Outputs section.

4.2.3. Video Wall Area

After adding screens onto the Video Wall Area, they will all stack onto each other.



To arrange them as a video wall, users can select the

number of rows and columns from the dropdown menu. After users finished, just click **Rearrange** and the screens should be arranged in the selected formation in the video wall area.

Or users can manually move the screens to form the video wall layouts using mouse or arrow keys

Row:	3	\sim	Column:	3	\sim	Rearrange	Remove
------	---	--------	---------	---	--------	-----------	--------

ı	2	3	 9
4	5	6	
7	8	9	

If later users would like to remove a screen, just select the screen and click on **Remove**

To rotate the screens users can either

- Select the screen and an angle from the drop down menu and click + for clockwise and for anticlockwise rotation
- Select the screen and just press "<" and ">" to rotate in increments of 1 degree



4.2.4. Multiple Video Walls

€ Screen 1	O Screen 2

GM9 supports up to two video walls per unit, users will be able to switch between the two video walls from the buttons under the Video Wall Area. Any changes you make are going to

be saved to that video wall only.

4.2.5 Aspect Ratio

Setting Background	1		Aspect Ratio	,		
Display: E		\sim	16	:	9	Set

Users can manipulate the aspect ratio of video onto vidoe wall by enabling the **Display** option from the **Background** menu. This will create a

dotted outline around the video wall, which users can control by resizing. Just enter the **Aspect Ratio** and click **Set**.

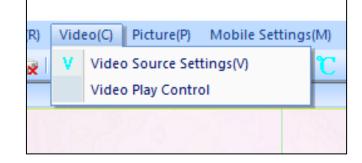
If you want to resize the input just select it until the highlight turns red and drag from the corner. You can move the outline around so that you can see a specific area of your input on video wall.

ı	2	3	ч - - -
4	5	6	
7	8	9	
3			ا ا ط



5. Video

Users can manage the video source played on built-in media player here.



5.1 Video Source Setting

ileList	Folder or Video Name
□ 192.168.1.236 - 1 - 2 - 3	Refresh(F5)
	Send video file
	Send video folder(F3)
	Play video on screen(F6)
	Delete(Del)
	Rename(F2)
	New Folder
	Volume
	Play time(minute)
otal space: 57685MB Free space: 54620MB	0.00 Set 0:Video default time

Users can manage the video folder and files on the built-in media player in this section.

1) Refresh

To reload the video folders and files from GM9 onboard storage

2) Send Video File

Users can upload the video sources onto existing folders on GM9

3) Send Video Folder Users can upload the whole folder of video sources onto GM9

4) Play Video on Screen

Highlight the video file or folder in the File List and press this button to play the very video or videos in the folder on video wall

5) Delete

Highlight the video file or folder in the File List and press this button to delete this file or folder

6) Rename

Highlight the file or folder in the File List and press this button to rename the video or folder name in the list to the new name users entered in 'Folder or Video Name'



7) New Folder



Press this button to create a new folder in the list to the new name users entered in 'Folder or Video Name'

8) Volume Control

Volume –		
Lease section of the		nunt -

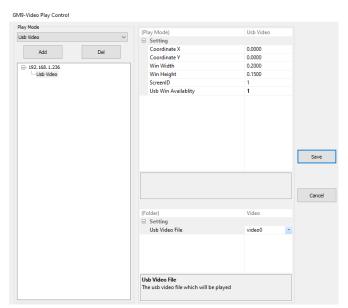
Users can control the volume of the GM9 output audio

9) Play Time Control

0.00	1000
0.00	Set

Users can set up the loop interval time between each video here. GM9 will loop all the videos in the folder at the interval set up by users.

5.2 Video Play Control



Users can set up playing the video from a USB memory stick onto video wall any size/anywhere.

videos format must be MP4 and must be stored in subfolder of vide0 to video9 in folder of 's350-usb' on USB stick.

users can decide which folder of the video to play.

e.g. USB:\s350-usb\video8



6、Picture

Users can manage the images on GM9 onboard storage, USB and Cloud and set up the display of these images on the video in this section.

Video(C)	Picture(P)	Other Commands(O) Help(H)
H R [Pictur	re Manager	AI 🛛 🕫
	Pictur	re Play Control	

6.1 Picture Manager

г

Users can upload the pictures from the PC to GM9 and manage them in this section.



1) Folder

It shows the current picture folders on the onboard storage and how many pictures in each folder. All the pictures will be viewed in icon mode in display area.

2) New Folder

Type in the name and press this button to create a new empty folder

3) Del Folder

Highlight an existing folder and press this button to delete this folder and all the pictures in the folder

4) Add Pic

Add new pictures into the highlighted folder

5) Add Pic Folder

Add the folder with the pictures from the PC to GM9

6) Del

Delete the highlighted pictures in the folder

7) Exit

Close this window



6.2 Picture Play Control

Users set up the play mode and locations on video wall for the pictures in this section

1) Play Mode

ay Mode	(pl	ay mode)	wave	
ave		setting		
ave PT		ScreenID	1	
		AreaLeft	0.0000	
∃ 192,168,1,236		AreaRight	1.0000	
wave PPT		AreaTop	0.8000	
		AreaBottom	1.0000	
		ImageHeight	0.8000	
		Amplitude	0.8000	
		Speed Standard		
		Direction	LeftToRight	
		Control device	D, P, U	
		Phone Loop Times	1	
		Device And U-disk Loop Time	0	
		U-disk Folder Selection	image1	-
	8	pic type		Save
		SEADA Logo	False	
		SEADA Product	True	
				Exit

GM9 have wave and PPT two modes. Users can add as many modes as they want to the play list.

2) Setting

Settings for	Wave Mode		
AreaLeft:	Position of left-side of display area	Speed:	Picture moving speed
AreaRight:	Position of right-side of display area	Direction:	Picture moving direction in display area
AreaTop:	Top position of the picture display area	Control Device:	pictures source (Local Disk, Phone or USB stick)
AreaBottom:	Bottom position of the display area	Phone Loop Times:	Picture from smart phone loop times
ImageHeight:	Picture height in picture display area	Device and U- disk Loop Time:	Picture from local disk and USB stick loop times
Amplitude:	Picture wave amplitude	U-disk Folder Selection:	Choose which folder to play from USB stick. Images must be stored in the path like below: 'USB:\ s350-usb\image6' subfolder name on USB must be named as image1 to image10



Settings for	PPT Mode		
AreaLeft:	Position of left-side of display area	HideTime	Picture PPT off Interval
AreaRight:	Position of right-side of display area	Control Device:	Pictures source (Local Disk, Phone or USB stick)
AreaTop:	Top position of the picture display area	Phone Loop Times:	Picture from smart phone loop times
AreaBottom:	Bottom position of the picture display area	Device and U- disk Loop Time:	Picture from local disk and USB stick loop times
ShowTime:	Picture PPT on interval	U-disk Folder Selection:	Choose which folder to play from USB stick. Images must be stored in the path like below: 'USB:\ s350-usb\image6' subfolder name on USB must be named as image1 to image10

3) Picture Type

To choose the pictures of which folder will be played in this mode. 'True' means the pictures in this folder will be played. 'False' means they will not.



7、Mobile Settings



7.1 QR Code

QR Code On Interval(sec): 10 Off Interval(sec): 1 Screen1 QR Code Screen2 QR Code V QR Code updated regularly (Original QR Code will be invalid) Messenger Screen1 Messenger	message, greetings, and e	th enables the features of sending images, emoji from smart phone via Cloud and ne with internet. This feature is option. ble the changes.
Screen1 Message size: 120 Screen2 Message size: 100 Screen2 Message size: 100 Screens Screens Screen1 Screen2 Scr	unit being power off/on	QR code display on screen period QR code off screen period Enable the QR code on video wall 1 Enable the QR code on video wall 2 QR code will change every 24 hours or when
QRCODECUSTOM:	 Messenger It enables/disables the n management. Screens 	nessage and greeting ability on Cloud
Apply Get QR Code Pic Cancel	Choose which video wall the 4) Device off line In this mode, users can con	QR is on trol the GM9 at local LAN via smart phone

which needs to be in the same network with the GM9.

5) Off line URL

it shows the URL of off line barcode, users can keep it on the phone for quick access without scan the barcode

6) QR Code custom

users are able to customise the QR code by their own standard.

7) Get QR Code Pic

To get the QR code picture. If users want to keep the Cloud management feature from the pubic, they can disable the QR code shown on video wall and keep the QR code picture by themselves.



7.2 Message Wall

Users can set up parameters of Message Wall in section for Cloud applications. once enabled, users can send message onto video wall scrolling from bottom to top via smart phone.

Message Wall	(Name)	Message Wall	
	Setting		
Add Del	MessageWidth	0.4000	
	ScreenID	1	
⊡ 192.168.1.236	Display Num	5.0000	
Message Wall	Rounds	1.0000	
	Round Time	10.0000	
	TextSize	normal	
	Available	1	
	StartX	0.2000	Save
			Cancel

Settings for Message Wall								
MessageWidth	Message width as wall width		Round Time	Interval between each movement				
ScreenID	Video Wall Number		TestSize	Message size				
Display Num	No. of messages at the same time		Available	Enable/disable the message wall				
Rounds	No. of looping		StartX	Start position on wall				

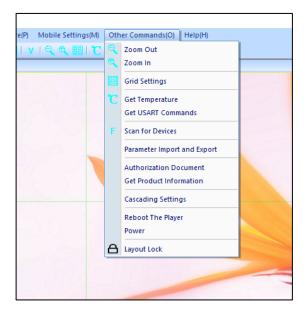
7.3 Cloud Settings

Users can enable or disable the Messenger, Emoji and Control feature from the Cloud management and manage the greetings on the cloud.

Modules	Emoji	Words
Modules	Modules	🖼 🗙 🔹 🐳
Messenger	Firework01	Happy Birthday
Emoji	Cry	Happy New Year
Control	Good Morning	Happy Christmas
	Happy Birthday	
	It's a Boy	
	It's a Girl	
	Laugh to Tears	
	Laugh	
	Love Your	Save
	Love	
	Music	
	Part Popper	Cance
	Pooh Bear	
	Red Heart	
	Singing	
	Sorry	
	Surprise	
	Team Work	
	Well Good	
	Work Hard	
	welcome	Import Export



8、Other Commands



8.1 Zoom Out

Zoom out the Video Wall Display Area in software.

8.2 Zoom In

Zoom in the Video Wall Display Area in software.

8.3 Grid Settings

Set up the number of grids in Video Wall Display Area in software UI

8.4 Get Temperature

Check CPU temperature.

8.5 Get USART Commands

Display the RS232 commands sent by 3rd controller to GM9 via serial port live.

8.6 Scan for Devices

Scan and find all the GM9 devices on the same network

8.7 Parameter Import and Export

Import the previous saved parameters to GM9 or export the current GM9 parameters out for future reference

8.8 Authorization Document

Load the license for the Video Wall mode if needed.



8.9 Get Product Information

It shows the current Firmware version

8.10 Cascading Settings

Cascade Type Independent		С) Master			0	Slave
Cascade IP(If it is not	used, t	he tota	l is zero)			
IP1:	0	(a.)	0	4	0		0
IP2:	0	1	0		0		0
IP3:	0	2	0		0		0
IP4:	0		0	4	0		0
IP5:	0	<u>.</u>	0	12	0		0

- 1) Independent: unit is used as stand alone
- 2) Master: unit is set up as master unit in the system
- 3) Slave: unit is set up as slave unit in the system to follow master unit

8.11 Reboot the Player

User can remotely reboot the GM9 unit in this section.

8.12 Power

User can remotely power on/off directly or schedule a power on/off.

PowerON/OFF			
) On	Ooff	Set
Timer Enable Zone: 8	On: 08	:00:00 🌲 Off: 22:30:	00 🔹 Set
		Cancel	

8.13 Layout Lock

It will lock the current layout away from any movement.

9、Help

Shows the software version detail.



iv. Control Assistant Tools

Run the control assistant software will be able to set up Scrolling Text, Video Play Control and Serial Port Settings.

ControlAssistant V1.23		-		×
	OSD			
	Setup UART			
	Video Control			
		[Exit	

1、OSD

Users can set up the scrolling text in this section.

0 0	SD		Speed:
	gColor	ff0000	
Te	extColor	0000ff	
D	isplayTime	1000	
L	eft	0.000000	
To	op	0.000000	
W	/idth	1.000000	
н	leight	0.200000	
Te	ext	Thanks for choo	Save
Tr	ransparent	100	5570
E	nable	True	
			Exit
-			

BgColor:	Background colour
TextColor:	Text font colour
DisplayTime:	Scrolling text display period
Left:	Left position of display area
Тор:	Top position of display area
Width:	Display area width
Height	Text height
Text	Text, up to 140 characters
Transparent	Background transparency
Enable	Ture is enabled, False is disabled.
Speed	When speed is Zero, scrolling text will stay still at the middle of video wall





2、Video Control

Users can manage the videos on GM9 in this section.

ontrolAssistant-Vide	o Control						1
192 108.1.256	*						
Layout Mode	Def GPD winded GPC Fable Loop Strije Loo Play Play Play	ip Single Play	Layout.0PD Polder Random Hext	Terp.070 Al Rardon Device ON	two wals.OPD Device OFF	Layout1.GPD Layout2.GP USB lideo The Beach -Jernifer Kachol, In 46mp4 v Rect Lide Video Pre Lide Video	

2.1 Folder

Click on folder, system will play videos in that folder

2.2 Video

Tick the 'Video' and click on folder, 'video' area will show all the videos in this folder and users can choose which video to player.

2.3 Layout

Users can change the preset layouts by clicking the preset layout button

2.4 Mode

Users can manage 'Playing the Video' and also turn unit off/on in this section

2.5 USB Video

Users can manage the videos on USB memory stick in this section



3、Set up UART

erial		Video Folder			LayOut			Projector		
Serial Configuration		Video Folder1			E LavOut1		^	Projector Control 1		
BaudRate	1200	Folder Name	1	<u> </u>	LavOut Name	1		IP Addr	192.168.1.198	
DataBit	8	Send Cmd	01	_	Send Cmd	OD	_	Projector ON Cmd1	7E3030303020310D	
StopBit	1	Recy Cmd	01	_	Recy Cmd	OD	_	Projector OFF Cmd1	7E3030303020300D	
(Wallboard) Random	Folder Random	E Video Folder2						Projector ON Cmd2	7E3030303020310D	
(Wallboard) Loop Pla	Single Loop Play	Folder Name	2		LayOut Name	2		Projector OFF Cmd2	7E3030303020300D	
Video Play Mode	Folder Loop	Send Cmd	02		Send Cmd	0E		Projector ON Cmd3	7E3030303020310D	
LayOut Switch Mode	Disable	Recy Cmd	02		Recy Cmd	OE		Projector OFF Cmd3	7E3030303020300D	
Sound source	Screen 1	Video Folder3			E LayOut3	125		Projector ON Cmd4	7E3030303020310D	
Language	English	Folder Name	3		LavOut Name	3		Projector OFF Cmd4	7E3030303020300D	
AspectRatio	UnLock	Send Cmd	03		Send Cmd	OF		Projector ON Cmd5	7E3030303020310D	
Serial Control		Recy Cmd	03		Recy Cmd	OF		Projector OFF Cmd5	7E3030303020300D	
Play	AA440101	Video Folder4			E LavOut4			Projector ON Cmd6	7E3030303020310D	
Pause	AA440202	Folder Name	4		LavOut Name	4		Projector OFF Cmd6	7E3030303020300D	
Previous Folder	AA440404	Send Cmd	04		Send Cmd	D0		El Projector Control 2		
Next Folder	AA440505	Recy Cmd	04		Recy Cmd	DO		IP Addr	192,168,1,96	
Scene Lock	AA440606	Video Folder5			8 LayOut5			Projector ON Cmd1	7E3030303020310D	
Scene UnLock		Folder Name	5		LayOut Name			Projector OFF Cmd1	7E3030303020300D	
Previous Video	AA440808	Send Cmd	05		Send Cmd			Projector ON Cmd2	7E3030303020310D	
Next Video	AA440909	Recy Cmd	05		Recv Cmd			Projector OFF Cmd2	7E3030303020300D	
Volume Up	AA440A0A	Video Folderő			E LayOut6			Projector ON Cmd3	7E3030303020310D	
Volume Down	AA440B0B	Folder Name	6		LayOut Name			Projector OFF Cmd3	7E3030303020300D	
Projector On	01	Send Cmd	06		Send Cmd			Projector ON Cmd4	7E3030303020310D	
Projector Off	02	Recv Cmd	06		Recy Crnd			Projector OFF Cmd4	7E3030303020300D	
WagWin On	AA441111	Video Folder7			E LayOut7			Projector ON Cmd5	7E3030303020310D	
WagWin Off	AA441212	Folder Name	7		LayOut Name			Projector OFF Cmd5	7E3030303020300D	
AllWin On	AA441313	Send Cmd	07		Send Cmd			Projector ON Cmd6	7E3030303020310D	
AllWin Off	AA441414	Recv Cmd	07		Recv Cmd			Projector OFF Cmd6	7E3030303020300D	
Random Play	OB	E Video Folder8			E LayOut8			B Projector Control 3		
Loop Play	0C	Folder Name	8		LayOut Name			IP Addr	192.168.1.96	

Users can set up the serial port parameters in this section

3.1 Serial

These are the serial port parameters and command lines for controlling this unit. Customers can customise the settings, but not recommended.

3.2 Video Folder

If users want to use 3rd party controller to control videos of which folder to be played, video folder parameter needs to be setup.

- The folders name here needs to be identical to the video folder name in 'Video Source Setting' (see chapter 5.1)
- system will automatically read the folder name in 'Video Source Setting' and display here
- users can customise the command lines in 'Send Cmd' to be used to recall the video folder via RS232 port

3.3 Layout

If users want to use 3rd party controller to change the preset layouts, layout parameter needs to be setup.

- The layout name here needs to be identical to the preset layout name in 'GM9 Onboard Layout List' (see chapter 'III UI-No.4)
- system will automatically read the layout name in 'Video Source Setting' and display here
- users can customise the command lines in 'Send Cmd' to be used to recall the video layout via RS232 port

3.3 Projector

Users can set up command lines here to control projectors, screens, and other devices which devices which support remote power on/off via RS232.



v. Firmware upgrade

1、 FPGA firmware upgrade

Step 1: Get the right version of firmware (.dat)

Step 2: Connect the device with software

Step 3: Press F11 +F9 (Laptop might need Fn button) to open the dialog windows as below

GM9-Update A	рр	
Data File Name:		2
l	Upgrade F	PGA
	out 3 minutes for the upgrade of the FPC r it is successful.	SA. Wait for the prompt to come
	Update	Cancel

Step 4: load the firmware and press the 'Update' button to upgrade the firmware

2、 CPU firmware upgrade

Step 1: Get the right version of firmware (.bin)

Step 2: Connect the device with software

Step 3: Press F11 +F12 (Laptop might need Fn button) to open the dialog windows as below

GM9-Update	Арр		
Data File Name:			<u></u>
	Upgrad	le CPU	
	Update	Cancel	

Step 4: load the firmware and press the 'Update' button to upgrade the firmware

Note: users can check the versions of the firmware in 'Player Connection Settings' or 'Scan for Devices' in Other commands



- SEADA Technology Ltd
- Oak Tree Park
- Burnt Meadow Road
- Moons Moat North Industrial Estate
- Redditch
- Worcestershire
- B98 9NW
- United Kingdom
- Email: sales@seada.co.uk
- Phone: +44 (0)1527 584364
- Fax: +44 (0)1527 962998

