

FLEX 16

Quick Start



- Fully Modular 16 ×16 signal architecture
- Mixed signal matrix switching
- Up to 33 mega pixels output splicing
- Load and save up to 256 presets
- Output resolution up to 2048x1152@60Hz / 2560x816@60Hz
- EDID management
- Remote control by XPOSE and RGBlink OpenAPI

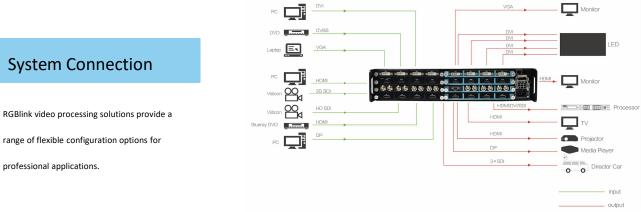
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Product Introduction

FLEX 16 is a matrix capable to distribute any input signal to any output signal through its consistent modular capability to control up to 16 different inputs and 16 different outputs independently. Different devices can be connected in each output and input. It supports HDMI, DVI, SDI, USB and HDBaseT input and output signals, as well as DP output. Flex 16 features in splitting mode for up to 2K1K, and simple managed by XPOSE software.

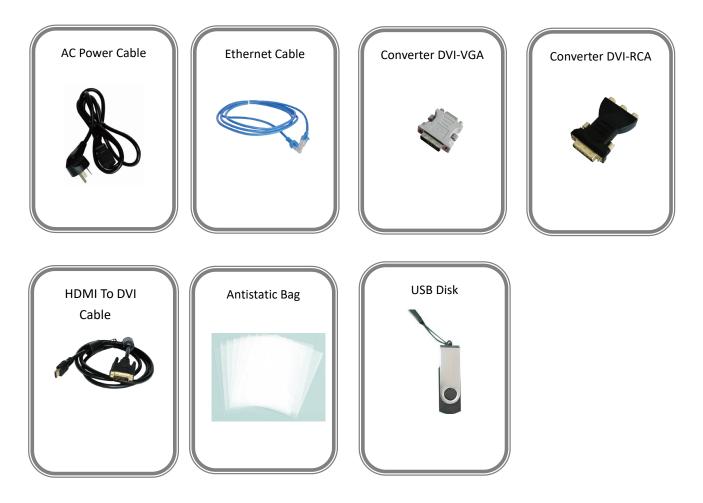


Flex 16 System Connection Diagram

range of flexible configuration options for



Packing Configuration



Note: AC Power Cable supplied as standard according to destination market

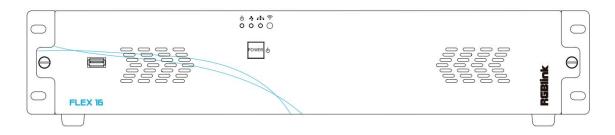
Upgrade tool package and user manual are stored in the USB disk, please keep it.



Hardware Orientation

Front Panel

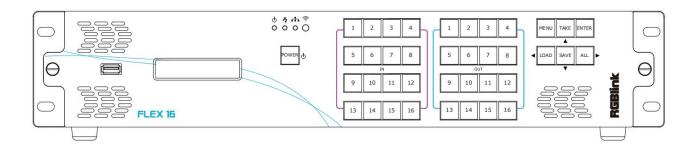
Standard Front Panel



Panel Instruction					
	USB interface for upgrading	њ О	LAN indicator indicating communication through LAN port , lights up when LAN port is connected, flashes when LAN communication happens		
0 0	Power indicator lights when device has power supply.		IR indicator Indicate IR communication flashes when there is communication IR e.g.remote control.		
* 0	Serial Port indicator lights up when serial port is connected, flashes when serial communication happens	ს	Power-Standby button Keep pressing for 3S to switch		



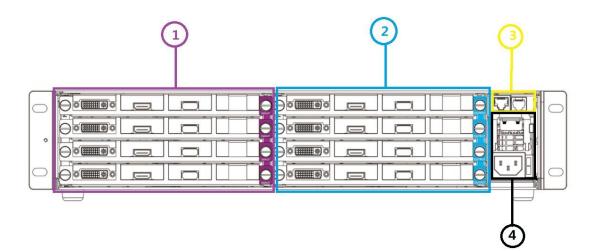
Matrix Panel for option



Panel Instruct	ion		
	USB interface, for upgrading		IN 1~16, Input signal source selection button
	LCD Panel Show operation menu items		OUT 1~1, Output port selection button
0 0	Power indicator lights when device has power supply.	MENU	Menu button to open up menu items and back
* 0	Serial Port indicator lights up when serial port is connected, flashes when serial communication happens	ТАКЕ	Switch input source for matrix output
њ О	LAN indicator indicating communication through LAN port , lights up when LAN port is connected, flashes when LAN communication happens	ENTER	Enter subsidiary menu or confirm operation
(în ()	IR indicator Indicate IR communication flashes when there is communication IR e.g.remote control.	LOAD	Load setting from SAVE
ტ	Power-Standby button Keep pressing for 3S to switch	SAVE	Save setting to device Choose all outputs in Matrix operation mode.



Rear Panel



Input Interface

	Input Module Slots
1	Supports input signals including HDMI, DVI, SDI, USB and HDBaseT.

Output Interface

	Output Module Slots
2	Supports input signals including HDMI, DVI, SDI, USB, HDBaseT and DP.

Control Interface

3	LAN Port and Serial Port

Power Connection

4 Power Supply Module, IEC-3



Software Operation

Software Installation

Minimum Requirements

Windows

Operation System	Windows 7/8/10
Processor	1GHz/32 bit or 64 bit processor
Memory	2Gb
Hard Disk	16Gb
Graphics	128Mb/DirectX9
Display	1280X720

Mac

Operation System	Mac OS
Processor	1.0GHz+
Memory	512M+
Hard Disk	512M+
Graphics	512M+
Display	1366x768





1. Double click icon , it will pop-up the Installer Language box, select the language, for example, select "English", and click "OK" to confirm.

0	Please select a language.	
	English	•
		Cancel

It will pop-up the installer box, and click "Next" to install, as follows:



2. Select "Browse..." to select the XPOSE software install location and click install:

hoose Install Location	
Choose the folder in which to install XPOSE 1.2.7.0.	
Setup will install XPOSE 1.2.7.0 in the following folder. To install in a	
Browse and select another folder. Click Install to start the installation	1.
Destination Folder	
Destination Folder [C:\Program Files (x86)\\POSE	Browse
	Browse
CtProgram Files (x86)\VPOSE	Browse
C: \Program Files (x86)\\POSE Space required: 251.4MB	Browse

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User should get the rights in "Roles Management" when install the software to disk C if the system is Windows 7 or

above.



3. Click "Finish" and is ready to run the XPOSE management software:





Software Operation

Login to the Software



1. Double click the icon XPOSE on the desktop, then login into the interface. The user name is Admin, and default there is no password. Select "FLEX 16", select language "English" and enter the software by clicking "Login".



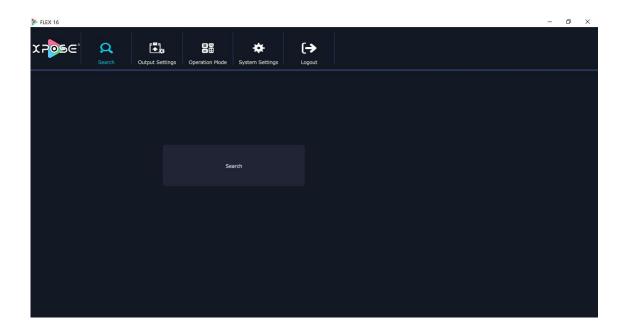
2. If user wants to change the language to Chinese, click the drop down arrow after "Language" and select "Chinese", then click "Login" to enter the software.



After entering the software, the main interface shows as follows:





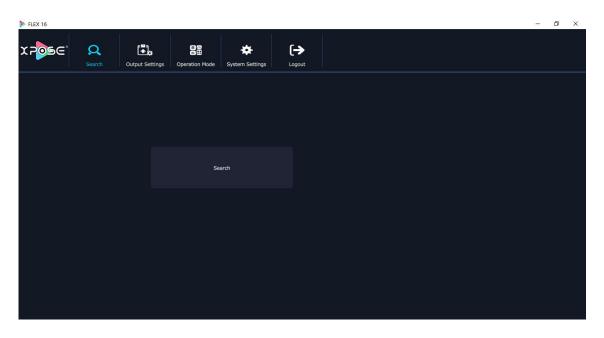


XPOSE management software consists of Output Setting, Operation Mode, System Settings, Access Control and Log out. In the following parts come with the details.



Connect Setting

The remote controller PC which runs XPOSE connects with Flex 16 by the network cable or USB-RJ11 serial cable (with the standard accessories).



After login on XPOSE, Search device and find FLEX 16

FLEX 16							1000	0)	<
⋎₽ <mark></mark> ⋑⋸⋶	Q Search	Output Settings	Operation Mode	Processor Search		×			
					FLEX 16 SN:ffff Serial Port: COM5				
			Sear						

Click the FLEX 16 icon and sync



FLEX 16		iync Load Sert		ctory Reset Output C unk5 Bank6	ard Page Set	Shortcut Ban	D X
1: No Input			prat		Output Po	rt. Setting	
3: No Input		Signal 6	Signal 6		Monitor 1 : Signal 6	Monitor 2 : Signal 6	
5: 0x0@0	11						
7: 0x0@0		Signal 6	141		Monitor 3 : Signal 6	Monitor 4 : Signal 6	
8: 0x0@0			Please Wait				
10: No Input		Signal 6			Monitor 5 : Signal 6	Monitor 6 : Signal 6	
12: No Input							Output(EXT4)
All Refresh Signais		Signal 6	Signal 6		Monitor 7 : Signal 6	Monitor 8 : Signal 6	Output(EXT6) No Board Input:

And sync done.

	- 0 ×
Image: Synce Image: Synce <td< th=""><th>0FF ON</th></td<>	0FF ON
Output Input K Bank1 Bank2 Bank3 Bank4 Bank5 Bank6 Bank7 Ban Out	Take
1: No Input 0	
2: No Input	
Signal 6 Signal 6 Signal 6 Monitor 1: Signal 6 Monitor 2: Signal 6	
🚍 4: 0:0000	
6: Dx0@0 Sync Done!	
T: 0x0@0 Vonter 3 : Signal 6 Monitor 4 : Signal 6	
9: No Input	
Initial Signal 6 Signal 6 Signal 6 Monitor 5 : Signal 6	
11: No Input	
12: No Input	
All Signal 6 Signal 6 Monitor 9 : Signal 6 Monitor 9 : Signal 6	Output(EXT4)
	No Board
Refresh Signals	Input: Hitotal Vitotal



Output Setting

FLEX 16								1	٥	×
≭5 0 5€	Q Search	Output Settings	Operation Mode	System Settings	[→ Logout					
			Output	Setting		DE Setting				

Output setting

FLEX 16				1	- 0	\times
	Ut Settings Operation Mode System Sett	[→ ngs Logout				
	Dutput	but Setting X	1			
	Resolut Custorr Width	ion 1920x1080@60 🔽				
	Height Output Settin	0 0 0 Setting	DE Setting			
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28 types of standard resolution available to choose.



FLEX 16							a ×
		tem Settings					
		Custom 102 Width 102	× 1x480@60i 0x576@60i 24x768@60 24x768@75				
	Output Settin	Height 128 Frequency 128 128 128 128 128	24x769865 30x720850 30x720850 30x800860 30x800860 30x1024860 30x1024865	ietting			
		138 139 140 140 160 192 192 192 192 192 192 192 192 193 193 193 193 193 193 193 193 193	Uu 1124405 Uu 726400 Uu 726400 Uu 726400 Uu 7260400 Uu 72604000 UU 72604000 UU 7260400000000000000000000000000000000000				
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User can custom the resolution if no proper resolution in the list,

Note:avoid using following resolution

720x480i@60Hz and 720x576i@50Hz (not supported on all output modules),

2560*816@60and 2048*1152@60 (not supported on DVI and HDMI output) .

FLEX 16							100	٥	\times
≭౽ <mark></mark> ం౾౬ఄ	Q Search	Output Settings	Operation Mode Sy	stem Settings	[→ Logout				
				Output Setting	ı X				
				Output Resolution Custom Width	Custom 🗸				
			Output Setti	Height	816 60 Setting	DE Setting			



	Q Search	Output Settings	Operation Mode	System Settings	[→ Logout			~	0	×
				Output Set	ting	×				
				Output Reso Cust Widt Heig	Set Output Format	ok!				
			Output		OK	Setting	E Setting			

Output setting is for all output ports from one output EXT (EXT-4 or EXT-6)

DE setting

FLEX 16								1000	٥	×
⋎₽ <mark></mark> ⋑⋸⋸	Q Search	Output Settin	ngs Operation Mode	System Settings	[→ Logout					
				DE Setting		×				
						~				
				DE Board Type	EXT	6 🔽				
				OUT/IN		o V				
				Port	Port	No. of Concession, name				
				Output Type	DVI					
				Color Range	Imag					
			Output		8 bit		DE Setting			
				Brightness	128	, <u>,</u>				
				brighticas	110	Set				
						Jul				

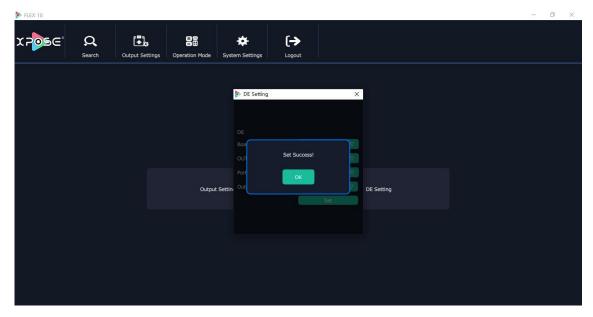
Board type:EXT-6 (EXT 4F-OS Splicing EXT interface) EXT 4 (EXT 4F OM Matrix EXT interface, EXT 4F IM matrix input ext interface)

Port :1-16 Output Type:DVI or HDMI Color Range:Image or Video Bits:DVI 8bits, HDMI 8bits|10bit|12bit Brightness:0-128 Out/In: Output Setting or Input Setting, when choose EXT 4, users need to choose output setting or input setting.



FLEX 16			- 0 ×
X POSC Q. Utput Se			
	▷ DE Setting	×	
	DE Board Type OUT/1N	EXT-4 🔽	
	Port	Description Setting DVI DVI DE Setting DVI DE Setting DVI DE Setting	

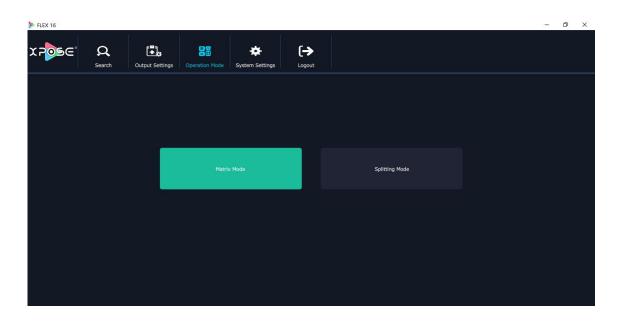
DE setting done





Operation Mode

There are 2 working modes, including the Matrix mode and Splitting Mode. Click the "Operation Mode", and enter the interface as follows:



Matrix Mode and Splitting Mode are included in operation mode, specific as follows:

1. Matrix Mode

Click the "Matrix Mode", and enter to the interface as follows:

FLEX 16		⊳⊂°	EDID		Sync Sync	Load Script	Save Script Factory Re	set Page Set	Shortcut Keys Take		Transition Time Black Out Auto Take	1.0 sec
Out	put 1	Input	K Bar	ık1 Ban	k2 B	ank3 B	iank4 Bank5	Bank6	Bank7 Bank	8 Bank9	Cut	Take
						s	gnal		Outp	t Port Setting		
\bigcirc	2: No Input											
	3: No Input						Signal 13		Monitor 13 : Signal 13			
(mm)>	4: No Input											
	9: No Input											
\bigcirc	10: No Input											
-(mme)-	11: No Input						Signal 14		Monitor 14 : Signal 14			
	12: No Input								_			
								Take				
							Signal 15		Monitor 15 : Signal 15			
	All						Signal 16		Monitor 16 : Signal 16			
	100											Monitor
	Refresh Signals											Layer
												H total V total

In matrix mode, is available signal selection, bank selection, transition time and black out setting.



Default source 1 to monitor 1, source 2 to monitor 2, and so on. Select the signal, and drag it to the source that will set. For example, set signal 3 for source 13, as shown in the figure below:

		P Transition Tim Black Out tout Keys Take Auto Take	DFF
Cotput Input Cotput Bank2	Benk3 Bank4 Bank5 Bank6	Bank7 Bank8 Bank9 Out	Take
33 ho Input	Signal 13	Monitor 13 : Signal 13	
10: No Input	Signal 14	Montor 14 : Signal 14	
	5pvi 15	Monitor 15 : Signal 15	
Al Refract Signals	Sprul 16	Monitor 16 : Signal 16	Monitor Layer
Source 13 will be switched to signal 3, click s	ource 1, then click "TAKE" ic	con Take , the sig	nal will be switched to

the corresponding monitor. Connect the signal to the corresponding output after setting.

Two ways can configure the matrix mode in Flex 16m (with Matrix Front Panel), using the XPOSE software or using the buttons on the front panel to select the output through which the input signal will be delivered. If the user selects Flex 16s, the matrix mode can only be configured from the XPOSE software.

2. Splitting Mode

Click the "Splitting Mode", and pop-up window as follow:

	SC		inc Load Script Save Script Factory		Take Auto Take	OFF
Output	Input	Bank1 Bank2	Bank3 Bank4 Bank5	Bank6 Bank7	Bank8 Bank9 Cu	t Take
] 1: No Ii		Monitor 1 x:0 y:0 w:1920 h:1080 r:0 No Board	Monitor 2: x:1920 y:0 w:1920 h:1080 r:0 No Board	Monitor 3 x:3840 y:0 w:1920 h:1080 r:0 No Board	Monitor 4 x:5760 y:0 w:1920 h:1080 r:0 No Board	
3: No Ii 4: No Ii		 NULL	NULL	NULL	NULL	
) 9: No Ii		 750.	Monitor 5 x:1920 y:1080 w:1920 h:1080 r:0	Monitor 7 x13840 y11080 w11920 h:1080 r:0	Monitor 8 x:5760 y:1080 w:1920 b:1080 r:0	
		EXT4 NULL	EX14 NULL	EXT4 NULL	EXT4 NULL	
] 12: No	Input	Montor 9 xr0 yr2150 w 1920 h1060 n0 Board NULL	Monitor 10 x:1920 yr/2160 x:1920 h:1980 No Beard NULL	Monitor 11 x:3840 y:2160 w:1520 h:1080 No Board NULL	Monitor 12 x 5760 y 2150 wr 1920 h 1080 No Board NULL	
		Monitor 13 x:0 y:3240 w:1920 h:1080 r:0 EXT6 DVI	Monitor 14 x:1920 y:3240 w:1920 h:1080 r:0 EXT6 HDM1	Monitor 15 x:3840 y:3240 w:1920 h:1080 r:0 EXT6 DVI	Monitor 16 x:5760 y:3240 w:1920 h:1080 r:0 EXT6 SDI	

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Signal List

The signal list is shown as follows:



It displays the input module type, the quantity of inputs and input format. Right click the input for the following settings:

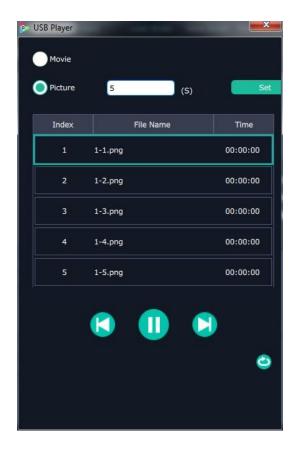
Change Name: Select "New Name", and input the new name, click "OK" after setting.

陀 Change Signal's N	ame 💌
Current Name	64x64@0
New Name	
	ОК

Refresh Signals: Right click the input and select "Refresh Signals". If there is signal, it will show the input format, or it will show "No Input".

USB Player: Right click the USB input, and select "USB Player", it will enter to the USB Player interface, including movie and picture, default play the USB picture.





USB movie player setting: Can select play in order, random, single cycle and all cycle, switch to pre or next, pause or play, and read the movie name, progress bar and time.

USB picture play time: Click the picture, it will display the setting interface, default the time is 0s. Set the switch time, and click "Set".

USB picture player setting: Can select play in order, random, single cycle and all cycle, and switch to pre or next, pause or play.

USB Upgrade: Put the file in the form of MERGE.bin to the USB disk root directory, and connect to the USB input. Right click the USB input, and select "USB Upgrade" to begin to upgrade USB. (Note: upgrade is only for the USB port that connected, user need to upgrade the four USB ports respectively.

Set Input Property: Right click the input and select "Input Property", it will enter to the interface as follows:



Property Set	t Form				×
Scale		-			
X O	ΥO	Width	1920 Height	1080	
Crop		_			
X O	Y O	Width	64 Height	64	
Display Mo	de 💽 Liv	e			
				0.055	
Mirror	OF	5	Bypass Mode	OFF	
();			2.5	4	
Alpha 🚃	(128	Sharpnc		50
Brightn	-0-	50	Contras		50
Saturati		50			
Saturat		30			
Color Temp	0	_			_
Red 💷		50	Green		50
Blue 😑	-0-	50			
			Reset	Set	

Scale: Set the X, Y, width and height.

Crop: Crop the left, top, width and height.

Display Mode: Select "Live" or "Freeze".

Mirror: Enable or disable the mirror function, default "OFF".

Bypass Mode: Enable or disable the bypass mode. When select "ON", the output format will be the same with the input format.

Alpha: Set the alpha, the adjustment range is 0~128.

Sharpness: Set the sharpness, the adjustment range is 0^{100} .

Brightness: Set the brightness, the adjustment range is 0^{100} .

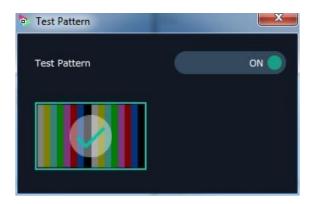
Contrast: Set the contrast, the adjustment range is 0~100.

Saturation: Set the saturation, the adjustment range is 0~100.

Color Term: Set the color temp (red, green and blue), the adjustment range is 0~100.

Reset: Select "Reset", the input property will be recover to factory setting.

Test Pattern: Slide the Test Pattern switch to enable or disable the function.





Output Setting

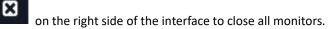
Click on shortcut

Output

		EDID	D Loop Sync	Load Script Save Script Factory R	Reset Page Set Shortcut Keys	Transition Black Out Take Auto Take	OFF
Outpi	Monitor 1	out 🤇 🗖	Bank1 Bank2 E	lank3 Bank4 Bank5	Bank6 Bank7	Bank8 Bank9 C	Cut Take
	Monitor 2		x:0 y:0 w:1920 h:1080 r:0	x:1920 y:0 w:1920 h:1080 r:0	x:3840 y:0 w:1920 h:1080	x:5760 y:0 w:1920 h:1080 r:0	
	Monitor 3	🧧	No Board NULL	No Board NULL	No Board NULL	No Board NULL	
	Monitor 4						
	Monitor 5		Montor 5 x:0 y:1080	Monitor 6 x:1920 y:1080	Monitor 7 x13840, y1080	Monitor 8 x:5760 y:1080	
	Monitor 6	🧯	x:0 y:1080 w:1920 h:1080 r:0 DXT4		x 3840 y1080 w1920 h1080 r:0 EXT4		
	Monitor 7		NULL	NULL	VULL	NULL	
	Monitor 8						
	Monitor 9		Monitor 9 x:0 y:2160	Monitor 10 x:1920 y:2160	Monitor 11 x:3840 y:2160	Monitor 12 x:5760 y:2160	
	Monitor 10		w:1920 h:1080 r:0 No Board	w:1920 h:1080 r:0 No Board	w:1920 h:1080 r:0 No Board	w:1920 h:1080 r:0 No Board	
	Monitor 11		NULL	NULL	NULL	NULL	
	Monitor 12						
(mmz)+	Monitor 13		Monitor 13 x:0 y:3240 w:1920 h:1080	Monitor 14 x:1920 y:3240 w:1920 h:1080	Monitor 15 x:3840 y:3240 w:1920 h:1080	Monitor 16 x:5760 y:3240 w:1920 h:1080	
	Monitor 14		r:0 EXT6 DVI	r:0 EXT6 HDMI	rio EXT6 DVI	r:0 EXT6 SDI	
	Monitor 15						Monitor Layer H total V tota

it will enter the interface as follows:

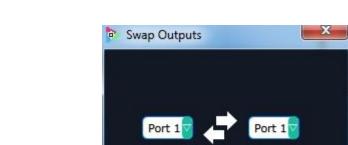
Close monitor: Click the icon on the top right corner of the monitor to close one monitor, or click the shortcut



Reset outputs: User can reset outputs by clicking the shortcut

on the right side of the interface.

Swap outputs: User can swap outputs by clicking the shortcut **out2** on the right side of the interface, as shown in the figure below.









R



Auto tile: User can enable or disable the auto tile function by clicking the auto tile shortcut on the right side of the interface. If select auto tile "ON', the layer will automatically snap to the output grid when move the layer to the position within the threshold value.

Monitor Size and Position Setting: Move the mouse to the lower right brink of the monitor, and press the left key of the mouse. Move the mouse to the suitable position and release the mouse. But this method can only adjust the size and location roughly, if an accurate adjustment is needed, select the monitor, and set the X, Y, width and height in the bottom of the interface.



Monitor Size changed equivalently: Select any monitor, for example, select monitor 1, and adjust the size. Click this monitor, then press button C and don't let go, select the monitor that will set, the size of the selected monitor will be changed to the same size of monitor 1, as shown in the figure below:

FLEX 16		E		Sync Load Script		Page Set Shortcut Keys Tak	Bia	ansition Time 1.0 sec ack Out OFF
Out	out In	put					Au Bank8 Bank9	to Take ON O
	Monitor 1							×
	Monitor 2		• ••		-			D
	Monitor 3		•	Head Ter 1 with year with year with the Head The Record	Monitor 2 x:1920 y:0 w:1920 h:1080 r:0	9609 021 + 9600 yet + 970 5-160 - 1 To Rect	Monitor 4 x:5760 y:0 w:1920 h:1080	out1 out2
	Monitor 4			774.6	No Board NULL	-	No Board NULL	L L
	Monitor 5							auto
	Monitor 6		ē	Monitar 5 wr0 yr1080 wr1920 hr1080	Monitor 6 #1020 y:1080 W:1920 h:1080		Honitor 8 #:5760 9:1080 #:1920 h:1080	TP
	Monitor 7			DKT4 NGL	F.B. EXT4 NUEL		DATA NULL	
	Monitor 8							
	Monitor 9			Monitor 9 x:0 y:2160 w:1920 h:1080	Monitor 10 x:1920 y:2150 w:1920 h:1080	Monitor 11 x:3840 y:2160 w:1920 h:1080	Honitor 12 x:5760 y:2160 w:1920 h:1080	
	Monitor 10			n0 No Board NULL	r:0 No Board NULL	r:0 No Board NULL	ri0 No 8bard NULL	
	Monitor 11							
	Monitor 12			Monitor 13 x:0 y:3240 w:1920 h:1080	Monitor 14 x:1920 y:3240 w:1920 h:1080	Monitor 15 x:3840 y:3240 w:1920 h:1080	Monitor 15 x:5760 y:3240 w:1920 h:1080	
	Monitor 13 Monitor 14			r:0 EXT6 DVI	r:0 EXT6 HDMI	r:0 EXT6 DVI	r:0 EXT6 SDI	
	Monitor 14							
<u> </u>								Monitor Layer
	Refresh Monitors							H total V total
			Monitor 1 X 0	Y O W	1340 H 680) R 0 🔽 🔿		

Rotation: Select the monitor, and set the rotation as 0°, 90°, 180° and 270° in the bottom of the interface. Click "**OK**" to confirm. As shown in the figure below:



Right click the monitor can also rotate the monitor.

Output Area Size Setting: Move the mouse to the output area and slide the mouse wheel, the output area size can be zoom in and out.



Layer Setting

New Layer: In input screen zone of controlling software, press the left mouse key and drag on the intended output screen to cover the whole current screen. And the below interface will be displayed. A layer can also be opened by double right clicking the left signal source to be shown on the window.

		€®	EDID Loop	Sync Load Script Fr	actory Reset Page Set Shortcut Keys Bank5 Bank6 Bank7	Transition T Black Out Take Auto Take Bank8 Bank9 QQ	OFF
57	1: No Input			Monitor.2		Manitar 4	
	2: No Input		Statut		Signal 5 1 3840 y 0 1 3844, h1097 Order 2		•
t,	3: No Input		Image: Second				
<u> </u>	4: No Input						
			Monitor 5 x:0 y:1080	Monitor 6 x:1920 y:1080	Monitor 7 x:3840 y:1080	Monitor 8 x:5760 y:1080	
\bigcirc	6: No Input		w:1920 h:108 r:0 No Board	0 w:1920 h:1080 r:0 No Board	w:1920 h:1080 r:0 No Board	w:1920 h:1080 r:0 No Board	
	7: No Input		NULL	NULL	NULL	NULL	×
ol <u>immie</u> jo	8: No Input						ین D
	9: No Input		Monitor 9 x:0 y:2160	Monitor 10 x:1920 y:2160	Monitor 11 x:3840 y:2160	Monitor 12 x:5760 y:2160	auto
\bigcirc	10: No Input		w:1920 h:108 r:0 No Board	r:0 No Board	w:1920 h:1080 r:0 No Board	w:1920 h:1080 r:0 No Board	
-(ama)-	11: No Input		NULL	NULL	NULL	NULL	
	12: 64x64@0						
	All		MonRor 13 x:0 y:3240 w:1920 h:108 r:0 EXT6 DVI	Monitor 14 a x1920 y:3240 w:1920 b:1980 r0 EXT0 BXT0 HOM1	Monitor 15 x:3840 y:3240 w:1920 h:1080 r:0 EXT0 DVI	Monitor 16 x:5750 y:3240 w:1920 h:1080 r:0 EXT6 SDI	Monitor Layer
	Refresh Signals		Signal 5 X 3840	Y 0 W 3844	н 1097 ОК Моге		H total V total

Each slot supports up to 4 layers that can be set up through each output as required without exceeding the limit. Flex 16 supports up to 16 layers, if an image crosses over two outputs then it is considered as 2 layers, or if an image crosses over the four outputs, then it is considered as 4 layers and no more layers can be used in that slot. The more signals crosses over an output, the fewer images are available. If one image crosses over the 16 outputs, then no more layers can be set.

Adjust Layer: Two ways can change the size and location of the opened layer:

a. Drag the opened layer by mouse. The details are: move the mouse to the brink of the opened layer, when the mouse shows"<—>", press the left key of the mouse and drag the window to a suitable size and then release the mouse. Or move the mouse to the lower right of the opened layer, press the left key of the mouse and drag the window to a suitable size and then release the mouse. Move the mouse to the opened layer and press the left key of the mouse and move the mouse, then the layer will be moved, release the mouse when moved to the suitable location. But this method can only adjust the size and location roughly, if an accurate adjustment is needed, the second method can be used.

b. Select the layer to be adjusted, and set the X, Y, width and height in the bottom of the interface.



". The layer can be set as background by click " or layer backward background. on the top right corner of the layer to close one layer, or click the Close one layer or all layers: Click the icon shortcut key to close all layers. on the top right corner of the layer to lock the layer, the layer can't be moved or Lock the layer: Click the icon adjusted if be locked. on the top right corner of the layer to full cell, and click the icon to full Full the layer: Click the icon screen. Copy and paste bank: Select the bank that to copy, and click the copy bank shortcut on the right side of the '. The selected layer will pasted interface, then select the bank that to paste, and click the paste bank shortcut to the bank. Adaptive: If scale the output area to a large area, click the adaptive shortcut " " on the right side of the interface, the output area will be return to the best position. Layer Property Setting: Select the layer to be adjusted, click the More shortcut " " in the bottom of the interface, and enter the interface as follows:



Scale: Set the X, Y, width and height.

Crop: Crop the left, top, width and height.

Display Mode: Select "Live" or "Freeze".

Mirror: Enable or disable the mirror function, default "OFF".

Bypass Mode: Enable or disable the bypass mode. When select "ON", the output format will be the same with the input format.

Alpha: Set the alpha, the adjustment range is 0~128.

Sharpness: Set the sharpness, the adjustment range is 0~100.

Brightness: Set the brightness, the adjustment range is 0~100.

Contrast: Set the contrast, the adjustment range is 0~100.

Saturation: Set the saturation, the adjustment range is 0^{100} .



Color Term: Set the color temp (red, green and blue), the adjustment range is 0~100. Reset: Select "Reset", the input property will be recover to factory setting.

Take

The take interface is shown as the figure below:



Set the transition time, and the adjustment range is 0~10S.

Slide the black out switch to enable or disable the black function. Auto take on is the default state. If select black out and auto take on, the preview image will black or seamless switch to LED display instantaneously.

Click "Cut" or "Take", the preview will be cut or seamless switch to LED display.

EDID



Click the EDID shortcut "EDID ", and pop-up window as follows:

hoose board type	Inpu	t Card	
O ^L	(<u>,)</u>)	¢	¢
(11)	@)»	()))	(III)

The special display project or LED display application would like to require special resolution settings to meet the requirement. Select the input or output board to read and write the EDID. As shown in the figure below:

•	EDID Management	X
	Read control	
	Read EDID	Read
	Write control	
	Write HDMI	Write
	Write VGA	Write
	Write File	Write
	Cutomize setting	
	Template	RGBDVI
	Width	
	Height	
	Frequency	
		Set

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Loop



" Loop ", and pop-up window as follows:

Timing Lo	op ·	Times Loop
p Switch	OFF	
Index	Time	BankIndex
1	00:00:00	1
2	00:00:00	2
3	00:00:00	3
4	00:00:00	4
5	00:00:00	5
6	00:00:00	6
7	00:00:00	7
8	00:00:00	8
9	00:00:00	9
10	00:00:00	10
11	00:00:00	11
12	00:00:00	12
		ОК

Slide the loop switch to enable or disable the loop function for the bank. If select "ON", the bank play time can be set.

Sync

Click the sync shortcut " Sync " to synchronize the current data.

Load Script



Click the load script shortcut "Load Script", user can load the data from the computer.

Save Script



Click the save script shortcut "Save Script", user can save the data to the computer.

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Factory Reset

Click the factory reset shortcut "Factory Reset " to reset to factory settings.

Page Set



Click the page set shortcut "Page Set " to load and save pages.

Shortcut Keys



Click the shortcut "Shortcut Keys", and pop-up window as follows:

	Shortcuts
Space:	Bring operating layout to center
Up:	Bring selected layout forward
Down:	Bring selected layer downward
Left:	Move selected layer left
Right:	Move selected layer right
Mouse Wheel	Press&hold will move the backgroud.
	Others
Double Clicl Signal	Switch the signal of the selected layer
Copy Bank	Copy the data of current bank into memory disk
Paste Bank	Paste the copied data to current bank
C:	Press&hold the Key C will resize the selected layer
	Press&hold the Key G will group up the selected layers
H:	Press&hold the Key H will exchange the selected layers signal

Use shortcut key to operate fast and easily.



System Setting

Click "System Settings" in the main interface:

FLEX 16							-	٥	×
≭5 <mark>0</mark> 5€	Q Search	Output Settings	Operation Mode	System Settings	[→ Logout				
		Connect Setting			IP Settings	System Information			
		Power On Setting Fan Control			Factory Reset				

1. Connect Setting

Click "Connect Setting": Select "COM Port" and "Baud Rate", click the drop down arrow after them, and click "OK".

COM1	
115200	
9600 19200 28400	
56700	
115200 on	
ОК	
	115200 9600 19200 38400 56700 115200

Setting the device connecting ways: Serial Connect, Ethernet Connect and Search by this configuration. After setting "COM Port" and "Baud Rate", pop-up window as follows:



Connect S	Setting			X
COM Por				
Bar		al Port Commun	ication Faill	
		ОК		
Sea	rch by this config	uration		

2. IP Settings

Click the "IP Settings", and pop-up window as follows:

IP Set			×
Auto get ip	address		
IP Addr		-	-
Mask		-	
GateWay		[
			Setting

Default "Auto get IP address". Users can also set IP address, Mask and GateWay manually. This is usually used if one computer control some devices or remote control. It takes effect after reboot the software if change IP through network.

3. System Information

Click "System Information", and pop-up window as follows:



Version Information					
Version Info					
Software	Version	1.2.7.0	1.2.7.0		
Model Nur	nber	FLEX16	FLEX16		
Serial Nur	nber	1005	1005		
IP Addres	S	192.168.0	192.168.000.100		
MAC Addr	ess	18:30:22:0	18:30:22:00:05:10		
Comm Board Firmware 1.24					
Output Board Firmware					
1:	2:	3:	4:		
5:	6:	7:	8:		
9:	10:	11:	12:		
13:	14:	15:	16:		
Input Board Firmware					
1:	2:	3:	4:		
5:	6:	7:	8:		
9:	10:	11:	12:		
13:	14:	15:	16:		

Display the device version information. Including Model Number, Serial Number, IP Address, firmware version, etc.

4. Factory Reset

Click "Factory Reset", and pop-up window as follows:



Click "OK" or "Cancel" to confirm the reset.



Access control

FLEX 16		-						
≭౽ <mark></mark> ం౾౬ఄ	Q Search	Operation Mode	System Settings	Access Control	[→ log out			
			Access	Control		Rights Management		

Click "Access control" in the main interface:

Role management and rights management are included in access control, specific as follows:

1. Access Control

Click "Access Control" and pop-up window as follows:

Role Management	
User List OAdmin user01	User Info
User02	User: Password: User Type: Admin V

Add: Input the user name and password, and select the user type as "Admin' or "Users", click "Add" after setting.

Edit: Select the admin or users in user's list, then edit the password or user type, click "Edit" after setting.

Del: Select the admin or users in user's list, then click "Del", the selected user will be deleted.



2. Rights Management

Click the "Rights Management", and pop-up window as follows:



Select the admin or users in user's list, then click the rights in "Managements Detail". Click "OK" after setting. User can operate the rights that selected.

User Info: Display all the Admin or Users list, double click it will unfold or fold the list.

Management Details:

The admin can manage all the admin users and users user.

Admin users can manage all the users user, except the admin users.

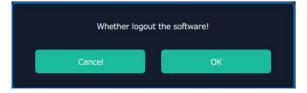
Users can not mange all the users, including admin user and users user.

Logout

Click "Logout"



to exit the XPOSE sorftware, and pop up window as follows:



Click "cancel" or "OK" to confirm

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User also can be click the right corner red button to exit software directly.

Confirm to close	e the software!
Cancel	ок



Contact Information

Warranty:

All video products are designed and tested to the highest quality standard and backed by full 3 years parts and labor warranty. Warranties are effective upon delivery date to customer and are non-transferable. RGBlink warranties are only valid to the original purchase/owner. Warranty related repairs include parts and labor, but do not include faults resulting from user negligence, special modification, lighting strikes, abuse(drop/crush), and/or other unusual damages.

The customer shall pay shipping charges when unit is returned for repair.

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