RGBlink® Video {processing} for any scale

FLEX RS1 Quick Start



- 4K@60Hz input via DP 1.2, HDMI 2.0 with internal 4:4:4 processing and HDR compliance.
- 4K@30Hz input via Dual Link DVI, HDMI 1.4
- 3 Different Operation Mode: Rotation, Edge Blending and Splicing
- Independent output scaling to any aspect or resolution
- Rotation: Any degree rotation for each of the output
- Edge Blending: Independent edge blending for each output
- Splicing: Image splicing for each 2K output
- Cascade multiple units for additional screens
- Control Support: Art-Net DMX512-A, RS 232, IP (TCP/UDP)
- Manage with XPOSE on Windows,

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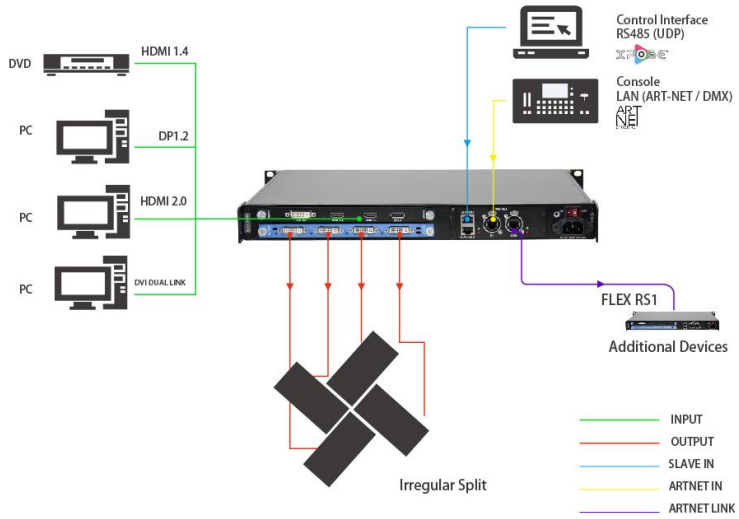
Contact Information 27

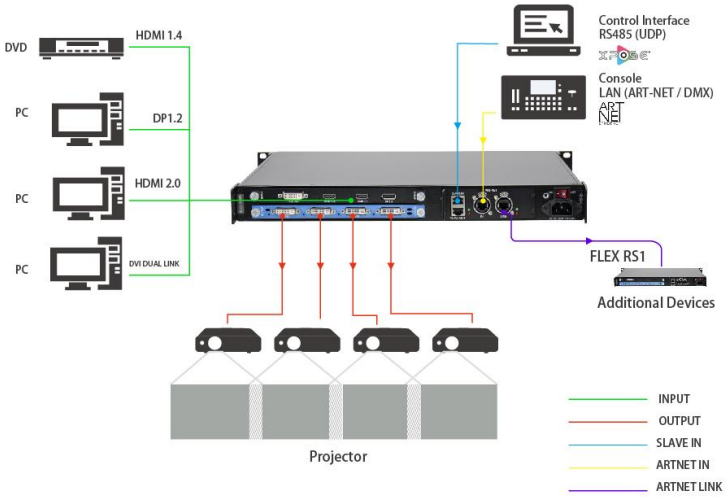
Product Introduction

FLEX RS1 enables creative video split including any degree rotation, edge blending for the projector and video wall hard splicing. It supports two HDMI inputs, a dual-link DVI input, a Display Port input and four DVI outputs. FLEX RS1 supports up to 4K2K, the UHD input resolution. Different resolutions can be set in each output.
FLEX RS1 features in multiple cascade, and simple managed by XPOSE software.

System Connection

RGBlink video processing solutions provide a range of flexible configuration options for professional applications.





Packing Configuration

AC Power Cable



USB Cable



DVI to HDMI Cable



HDMI Cable



RJ45 to DB9 Cable



RJ45 to RS232 RS232 to USB Cable



Antistatic Bag

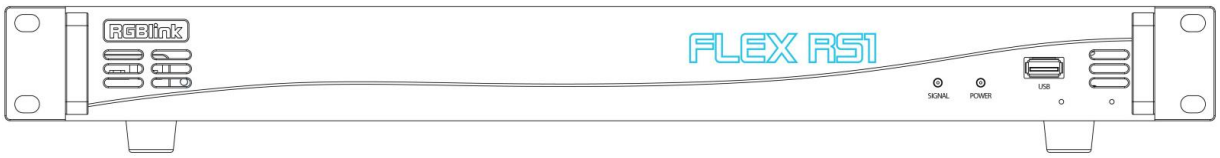
USB Disk



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

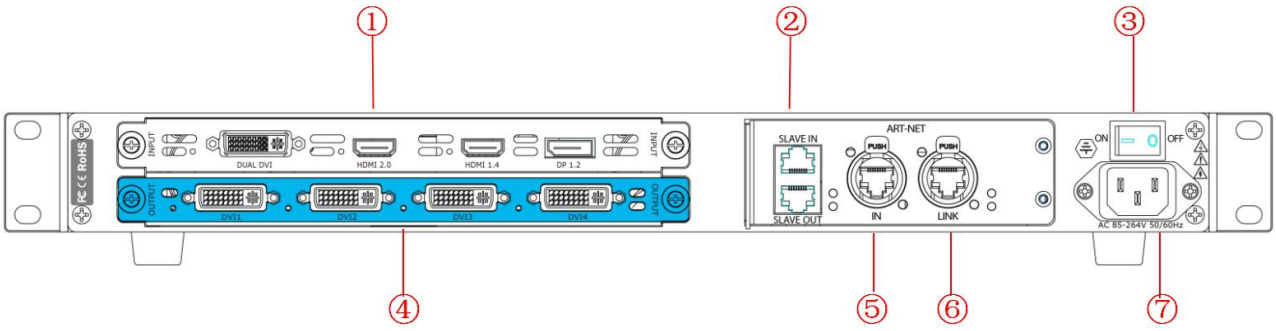
Hardware Orientation

Front Panel



Panel Instruction			
SIGNAL	Signal indicator lights when device has connected with input signal.	USB Interface	To upgrade the device
POWER	Power indicator lights when device has power supply.		

Rear Panel



Input Interface

1	**Input Card Slots** Supports input signals including dual-link DVI, HDMI1.4, HDMI2.0, DP1.2. Each HDMI module supports 1 HDMI-A input.

Output Interface

4	4 DVI outputs

Control Interface

2	**SLAVE IN** Connect to XPOSE software by RS 232. RGBlink supports a USB to RS 232 converter and the RS 232 to RJ45 cable for this connection, as standard accessories.
5	**ART-NET IN** Connect to ARTNET controller.
6	**ART-NET loop** Connect to another equipment to make multiple cascade.

Power Connection

3	Power Switch
7	AC 85-264V 50/60HZ

Software Operation

Software Installation

Minimum Requirements

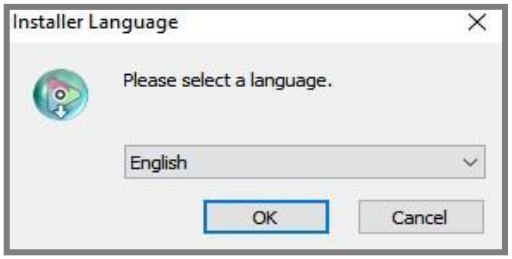
Windows

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

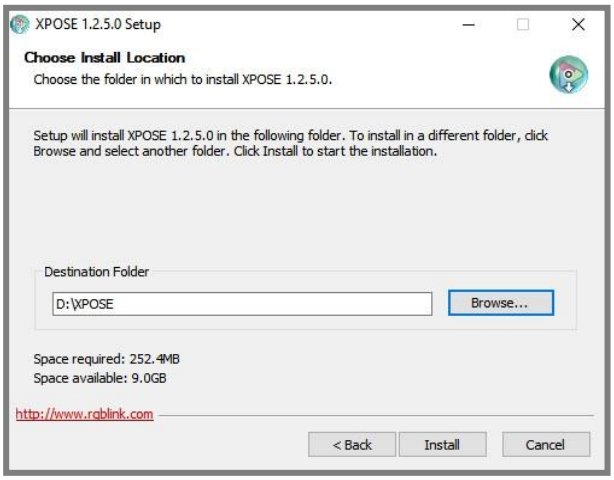
1. Double click  icon, it will pop-up the Installer Language box, select the language, for example, select "English", and click "OK" to confirm.



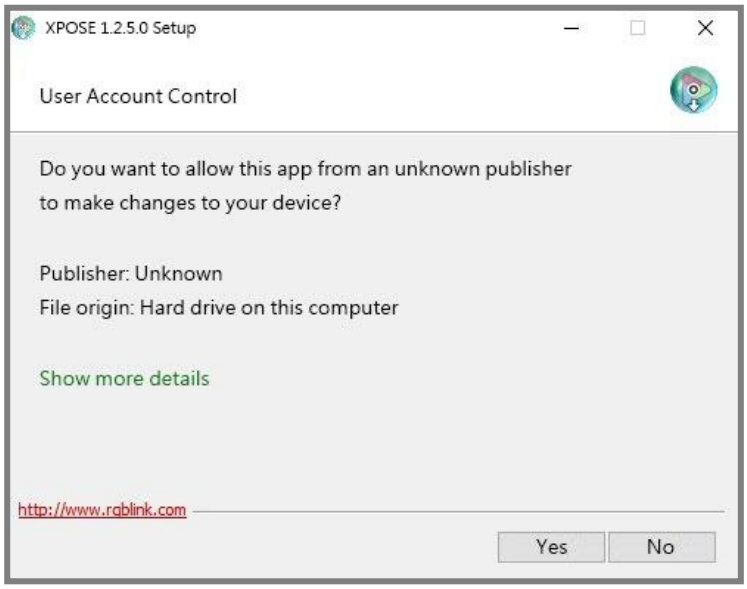
It will pop-up the installer box, and click "Next" to install, as follows:



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



3. User should get the rights in “Roles Management” when install the software to disk C if the system is Windows 7 or above.



4. Click “Finish” and is ready to run the XPOSE management software:

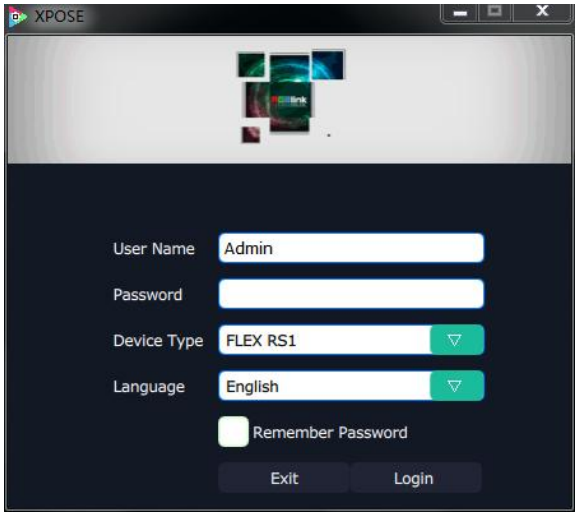


Software Operation

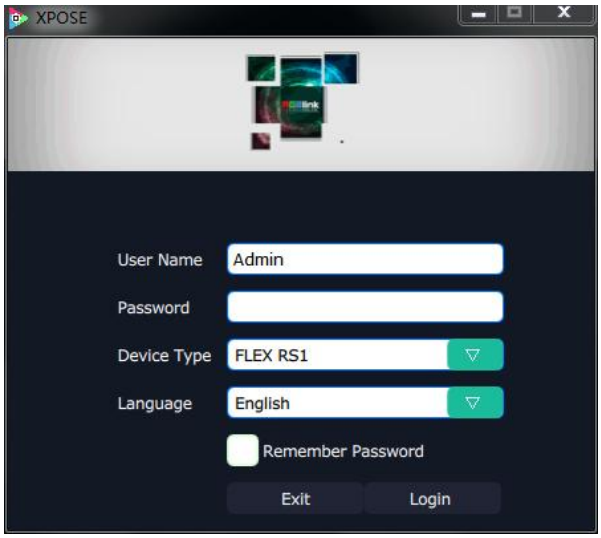
Login to the Software

1. Double click the icon 

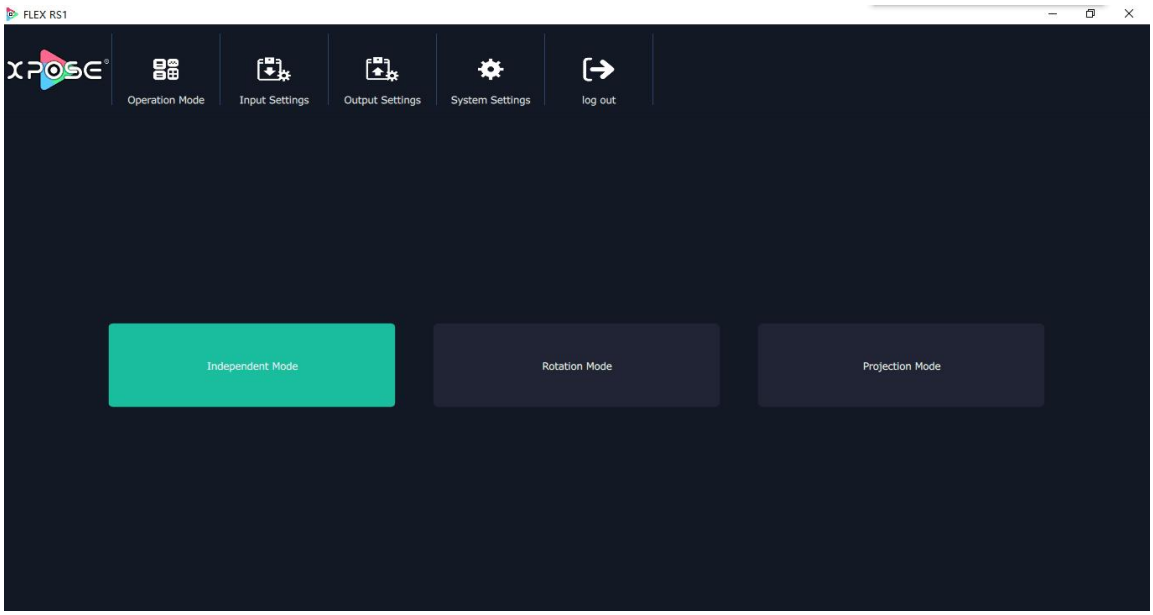
on the desktop, then login into the interface. The user name is Admin, and defaultly there is no password. Select "FLEX RS1", select language "English" and enter the software by clicking "Login".



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.



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



XPOSE management software consists of Operation Mode, Input Settings, Output Settings, System Settings and Log out. In the following parts come with the detail.

Web Links

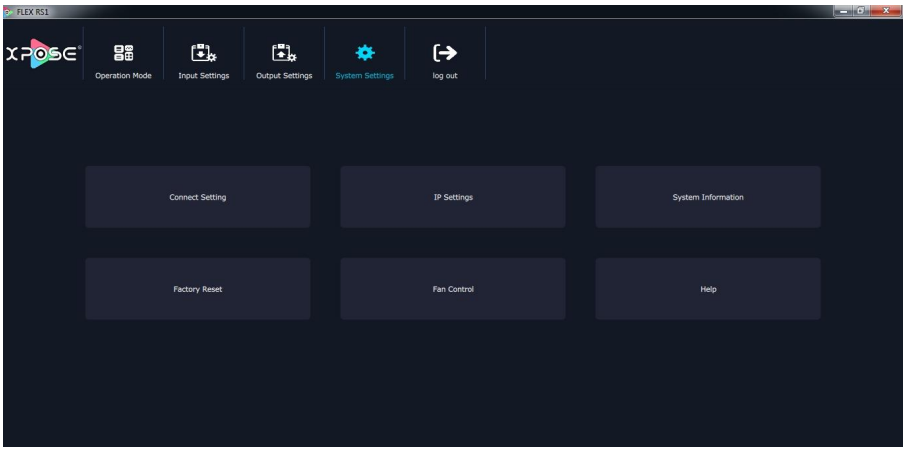
XPOSE management software sets up the web links. Click the web links icon on the top left corner, and goes access to RGBlink website.

Connect Setting

The remote controller PC which runs XPOSE connects with Flex RS1 by the USB to the RS 232 converter and the RS 232 to RJ45 cable (with the standard accessories).

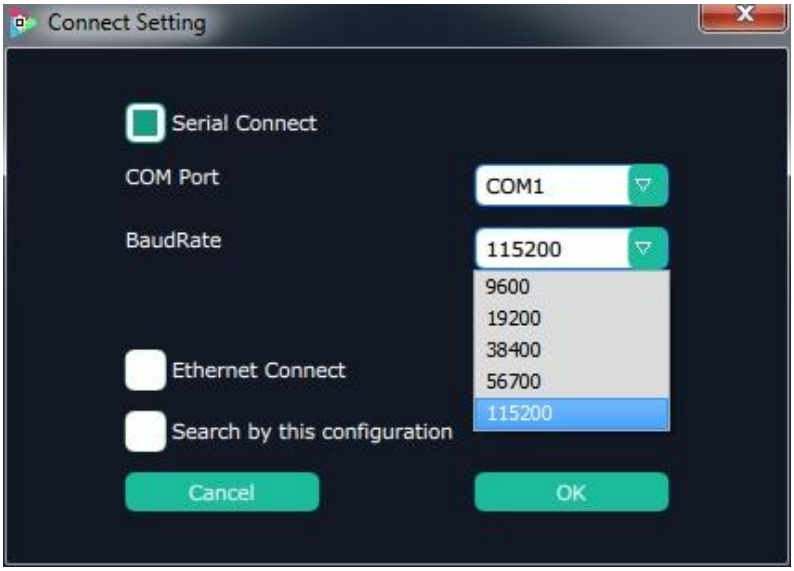
System Setting

Click “System Setting” in the main interface:



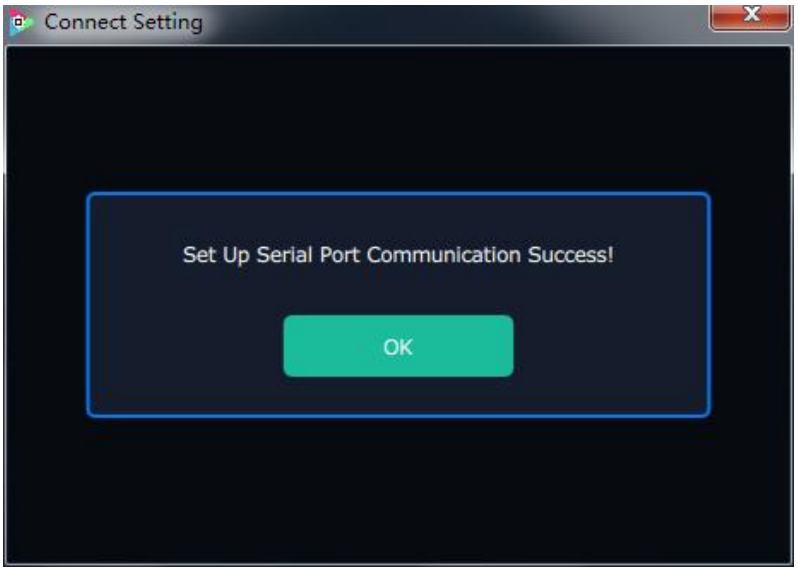
1. Connect Setting

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



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:



2. IP Settings

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



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:



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.

5. Fan Control

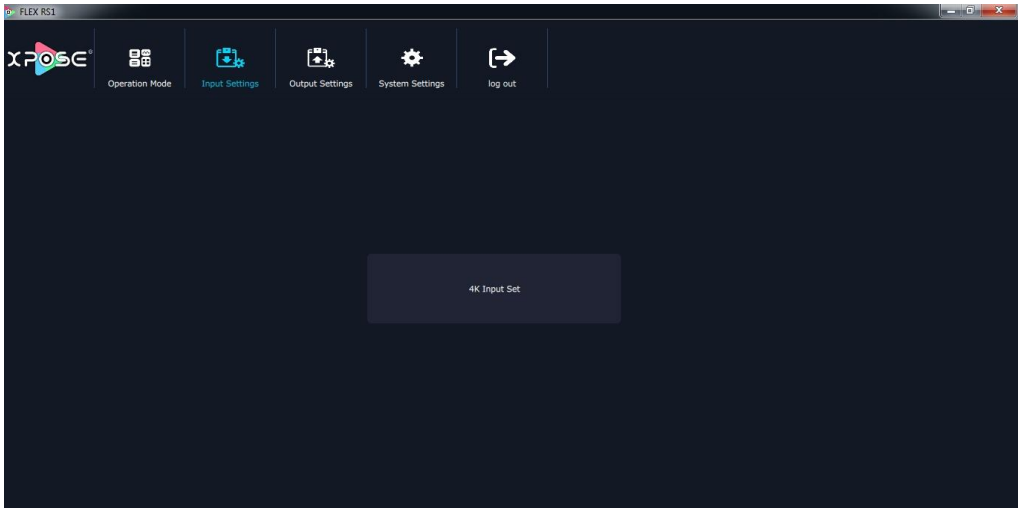
Click "Fan Control", and pop-up window as follows:



Enable or disable the Auto Fan Control, set Fan Speed and click "**Set**", that will load.

Input Settings

Click the "Input Settings", and enter the interface as follows:



1. 4K Input Set

Click the "4K Input Set", and pop-up window as follows:

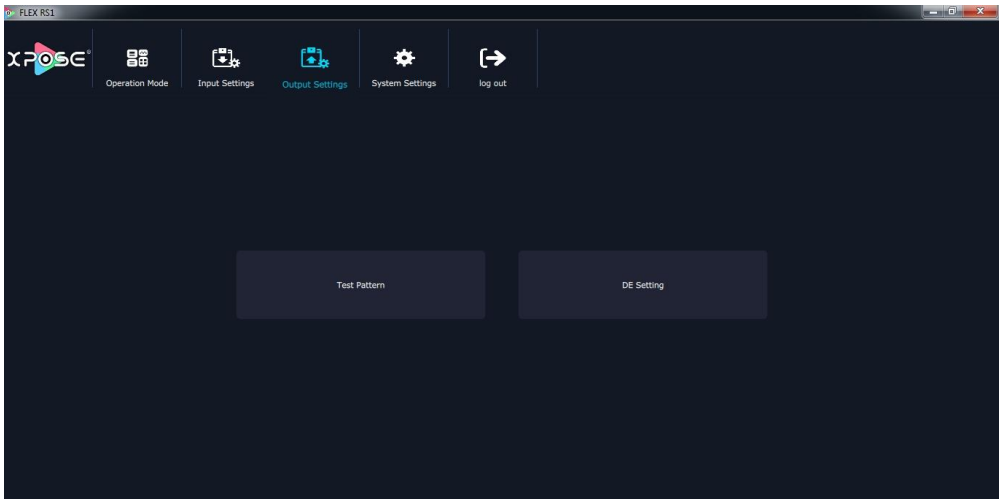


Click "Work Mode", click the drop down arrow after the Mode, and select "4K x 2K" or "4K x 1K" or "2K x 1K".

Click Input 1 Type Including Dual DVI, HDMI 1.4, HDMI 2.0, DP 1.2; Then, click "set".

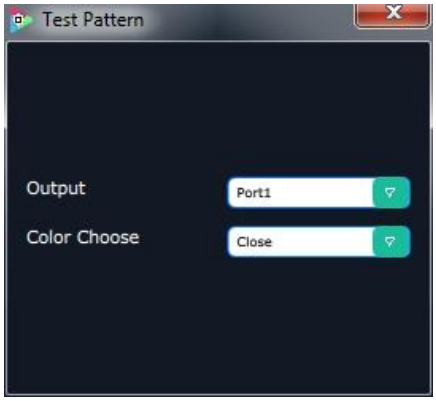
Output Settings

Click the "Output Settings", and enter the interface as follows:

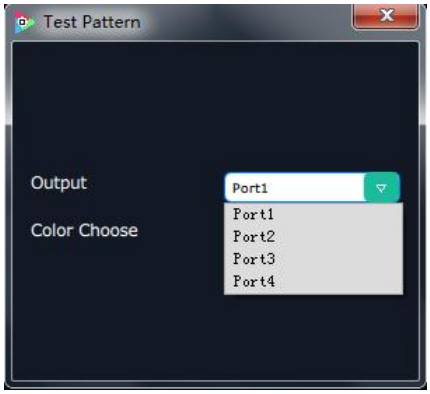


1.Test Pattern

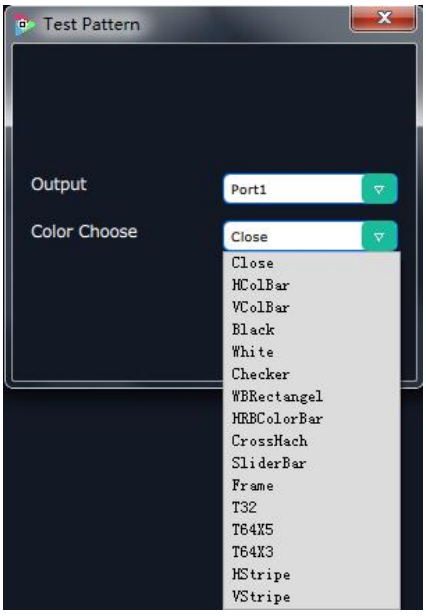
Click the "Test Pattern", and pop-up window as follows:



Click "Output", click the drop down arrow and select any Ports among the four boards.

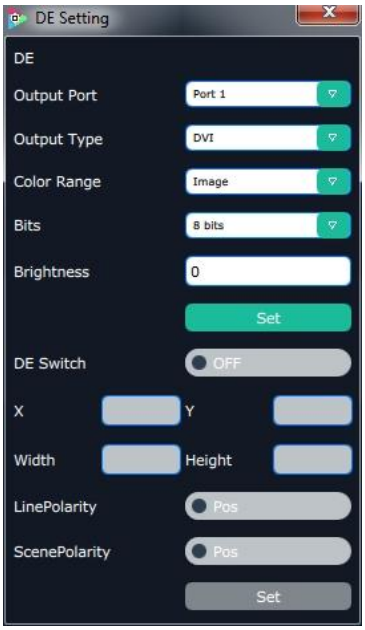


Click "Color Choose", click the drop down arrow and select any color among the sixteen boards.



2. DE Setting

Click the "DE Setting", and pop-up window as follows:

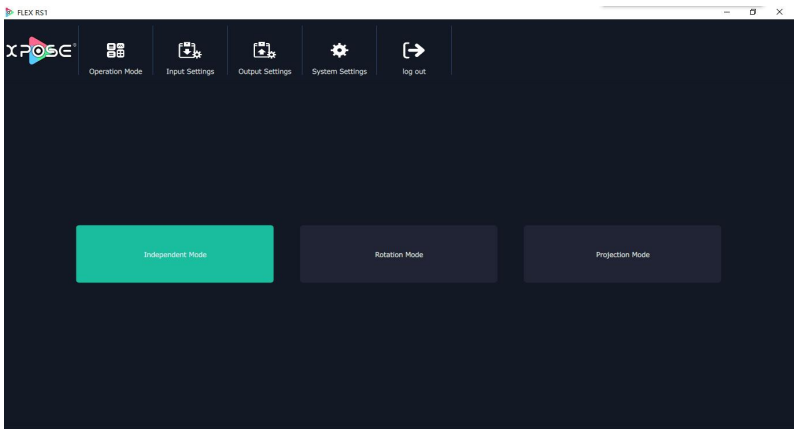


Brightness: The brightness adjustment range is between 0~128. Click "**Set**" to confirm.
DE: User can select one port or all ports, and enable the DE function by sliding the DE Switch. The settings for DE include X, Y, width, height, line polarity and scene polarity. Vertical spliting can be selected in "Output Port".

Operation Mode

Click the "Operation Mode", and enter the interface as follows:

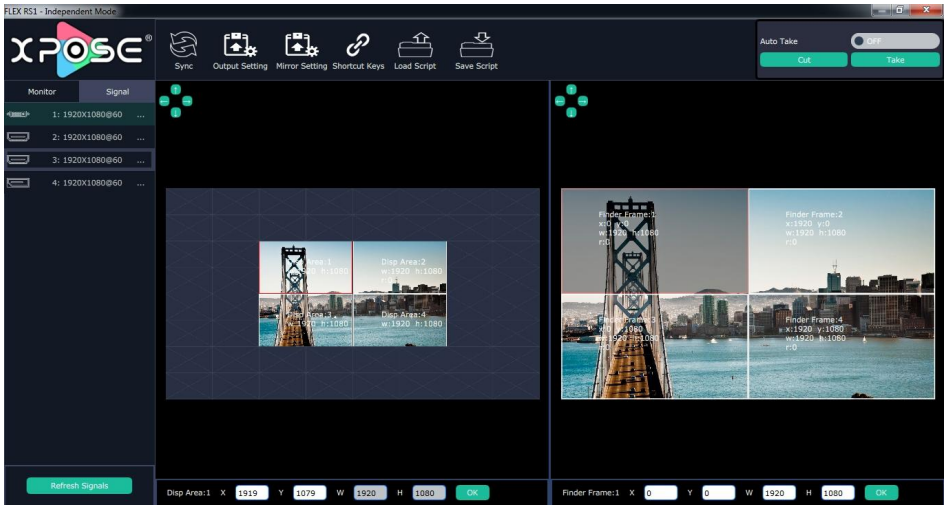
There is 3 working modes, including the Video Wall mode, Rotation mode and Blending Mode.



Independent Mode, Rotation Mode and Projection Mode are included in operation mode, specific as follows:

1. Independent Mode

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



Layer 1~4: X, Y for Layer position, W, Y is Layer size.

There are two ways can change the size and location of the layer:

a. Drag the layer by mouse: click the right window, select any layer, press the rim of the layer with mouse to drag the size, release the mouse, click the layer again, and press the mouse to drag the layer to suitable position.

b. Choose number directly: click the left or right window, select any layer and choose any number as X, Y, W, H to ensure accurate position and size.

Output Setting

Click the Output Settings shortcut 

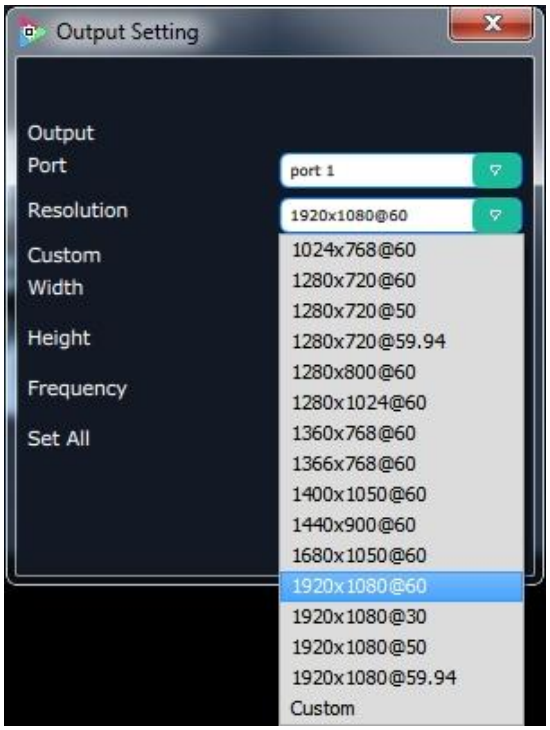
and pop-up window as follows:



Click “port”, click drop down arrow and select any port among the four boards. This mode allow set each port resolution independently.

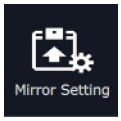


Click “resolution”, click drop down arrow and select any resolution among the sixteen boards.

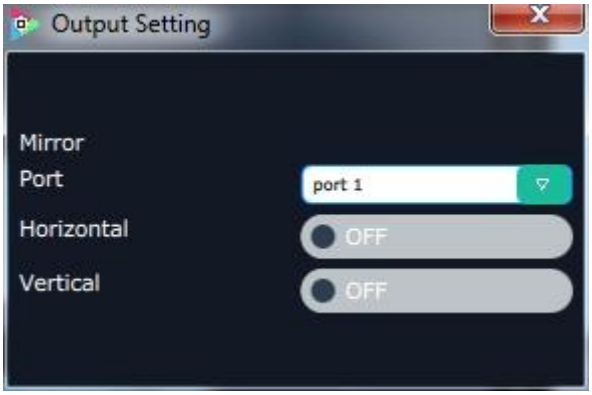


Width, Height and Frequency can be set.

Mirror Setting

Click the Mirror Setting shortcut 

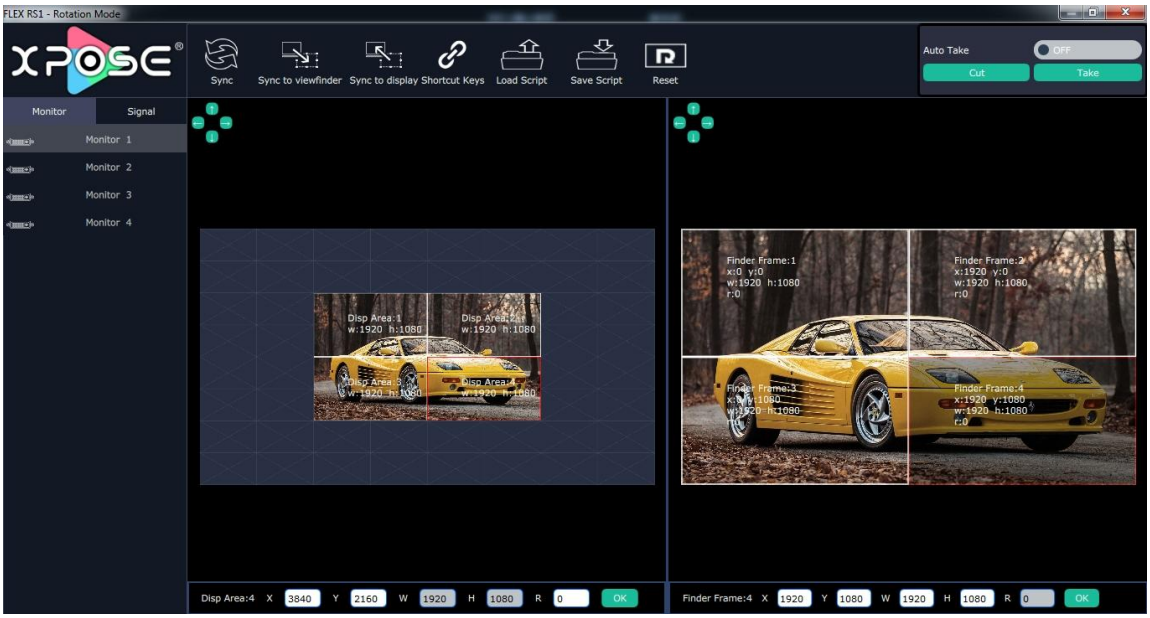
and pop-up window as follows:



Click "Mirror Port" drop down arrow and select any port. Enable or disable the horizontal or vertical mirroring effect by sliding the switch.

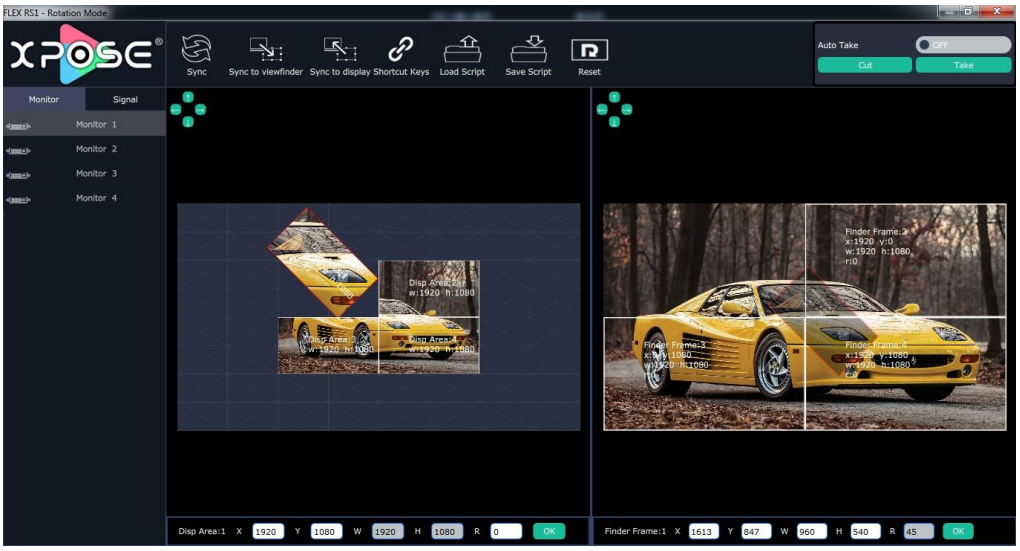
2. Rotation Mode

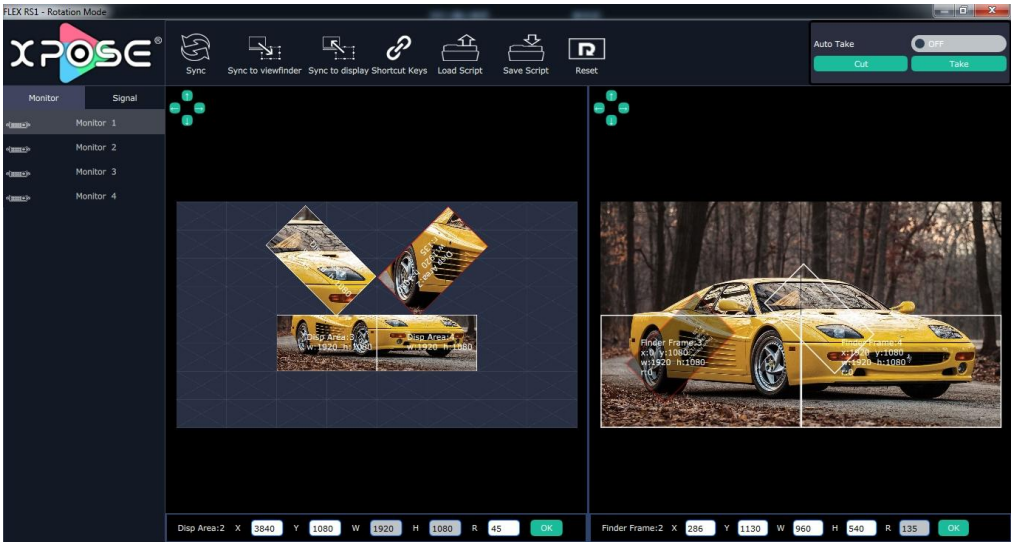
Click the "Rotation Mode", and pop-up window as follow, the monitor on the left can rotate the layer on the right;

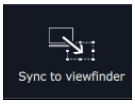


Click monitor 1~4, click W and H to set size. Choose "W" as 1920 and choose "H" as 1080.
Rotation: click the left window, select any monitor, click "R", and choose any angle. Each monitor rotates as setting angles.
Layer 1~4: X, Y for Layer position, W, Y is Layer size.

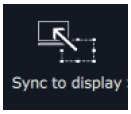
There are two ways can change the size and location of the layer:
b. Drag the layer by mouse: click the right window, select any layer, press the rim of the layer with mouse to drag the size, release the mouse, click the layer again, and press the mouse to drag the layer to suitable position.
b. Choose number directly: click the left or right window, select any layer and choose any number as X, Y, W, H to ensure accurate position and size.





Click the Sync to viewfinder shortcut 

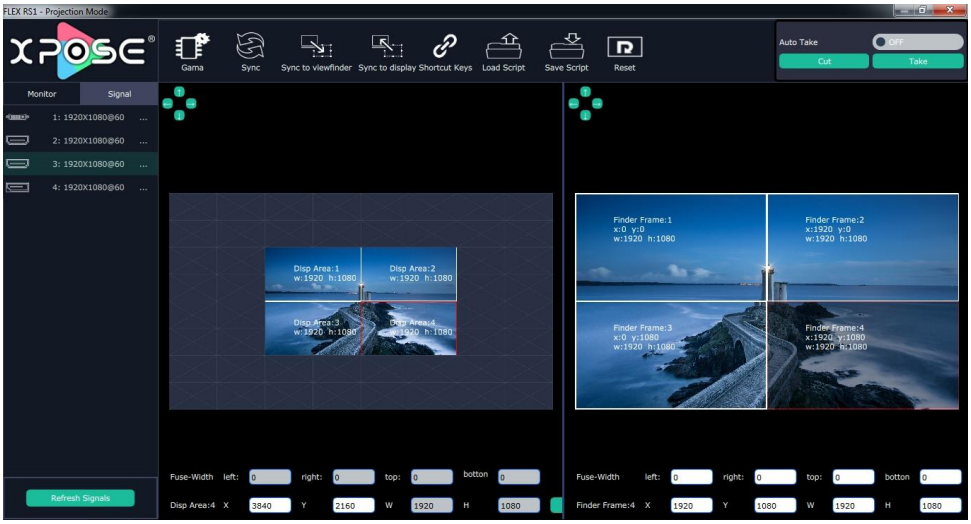
to synchronize display layer with viewfinder.

Click the Sync to viewfinder shortcut 

to synchronize finder frame with display layer.

4. Projection Mode

Click the "Projection Mode", and pop-up window as follows:



Layer 1~4: X, Y for Layer position, W, Y is Layer size.

There are two ways can change the size and location of the layer:
c. Drag the layer by mouse: click the right window, select any layer, press the rim of the layer with mouse to drag the size, release the mouse, click the layer again, and press the mouse to drag the layer to suitable position.
b. Choose number directly: click the left or right window, select any layer and choose any number as X, Y, W, H to ensure accurate position and size.

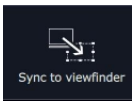
Projection Mode supports to reduce the blur of image rim and the fusion split. Click left or right window, select any layer and choose any number as left, right, top and bottom to set the fuse width.

Click the gama shortcut 

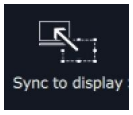
and pop-up window as follows:



Click Set Gama to enable the output´s set and choose any number as R, G or B.

Click the Sync to viewfinder shortcut 

to synchronize display layer with viewfinder.

Click the Sync to viewfinder shortcut 

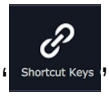
to synchronize finder frame with display layer.

Sync

Click the sync shortcut "

" to synchronize the current data.

Shortcut Keys

Click the shortcut "

", and pop-up window as follows:



Load Script

Click the load script shortcut "

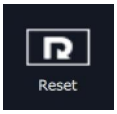
", user can load the data from the computer.

Save Script

Click the save script shortcut "

", user can save the data to the computer.

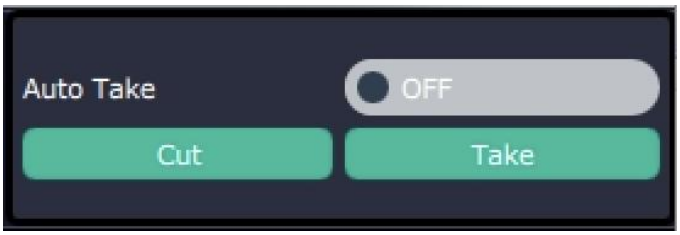
Reset

Click the Reset shortcut 

to reset settings.

Take

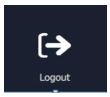
The take interface is shown as the figure below:



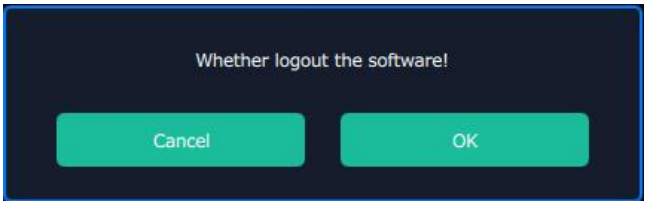
Slide the switch to enable or disable the Auto Take function. Auto take on is the default state.

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

Logout

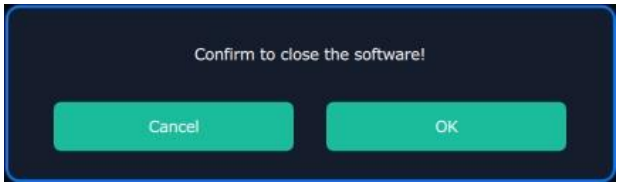
Click "Logout" 

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



Click "cancel" or "OK" to confirm

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



Warranty

All video products are designed and tested to the highest quality standard and backed by a 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.

Contact Information

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Web: **Support:** www.rgblink.com/contact-us
Sales: www.rgblink.com/support