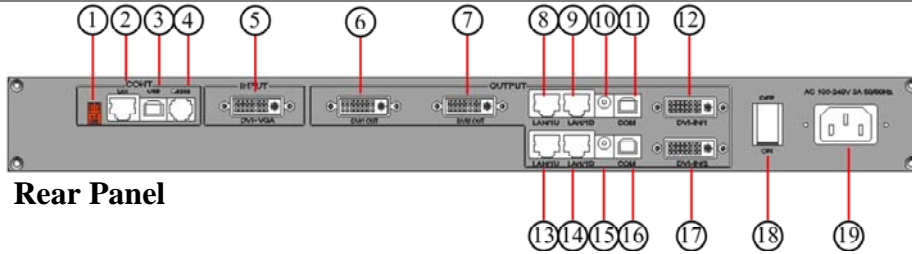


VSP 310 - Quick Start

NOTE For full installation, configuration, and operation details, refer to the VSP310 user manual, which is available at www.rgblink.com. This guide provides quick start instructions for an experienced installer to set up and operate the VSP 310.

IMPORTANT
Refer to www.rgblink.com for the complete user manual and connecting the product to the power source.

Installation and cabling features



Rear Panel

Interface

- | | | | |
|-----------|-------------------------|-----|-----------------------------|
| ① | Mini switches | ⑥ ⑦ | DVI output connector |
| ② ⑧ ⑨ ⑬ ⑭ | RJ-45 port | ⑩ ⑮ | Power connector |
| ③ ⑪ ⑯ | USB control connector | ⑫ ⑰ | Sending card DVI input port |
| ④ | RS232 control connector | ⑱ | Power on/off |
| ⑤ | DVI+VGA input connector | | Power port IEC-3 |

Step 1-Mounting

Turn off or disconnect all equipment power sources.

Step 2-DVI input

DVI can be input from the computer or laptop and other DVI source; users can use DVI to DVI cable Or DVI to DVI+ VGA adapter to receive both DVI and VGA signals.

DVI to DVI+VGA cable is one end in DVI-I or DVI-D male connector, another end in DVI-I or DVI-D female connector with a



DVI to DVI+VGA cable

DVI to VGA adapter

VGA male connector. DVI to VGA adapter, one end in DVI-I connector and another end in VGA male.

Step 3-VGA input

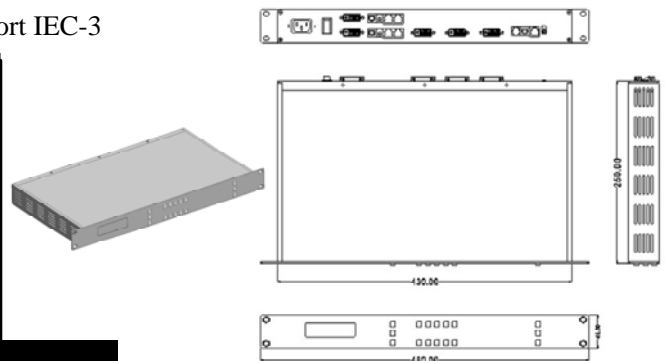
As the connector is DVI input, VGA input is working by DVI to DVI + VGA cable or DVI to VGA connector.

Currently VGA input support two resolution as following: 1024×768×60Hz, 1280×1024×60Hz.

Step 4-DVI Output

Input the signal from computer, DVI signal generator and so on.

DVI1 OUT and DVI2 OUT output interface of these two images in the divider mode, the output DVI or VGA input with resolution of the same; in split-screen mode, respectively, DVI or VGA input, 1 / 2 (with horizontal or vertical one point two one point two of the split screen function), the resolution always remain with DVI or VGA input resolution unanimously.



NOTE

VSP 310 can support to install two full-color LED display sending cards. In step 4, if you need to install four sending cards, the other two must be installed in TSH4 (4 sending cards holding frame). Or use a DVI split cable, or use DVI splitter, as follows.



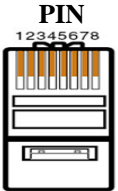
DVI split cable is one end in male, another two ends in female. Male one is used to connect with VSP 310 DVI output, female ones are used to connect directly to the sending cards.

DVI splitter, used to distribute DVI with 1 in 2 out. All connectors are in female ones, use common DVI cable to connect between VSP 310 and DVI splitter.



Step 5—LAN (Ethernet) port

Use CAT5 cross-cable standards such as the bottom. The device's default IP address is 192.168.0.100. Users can use the RS232 or USB interface to modify the IP address. CAT5 cross-line, refers to the end of the T568A standard on one end for the T568B standard. Ethernet control interface module for non-standard modules



PIN	End 1 Wire color	End 2 Wire color
1	White-green	White-orange
2	green	Orange
3	White-orange	White-green
4	Blue	Blue
5	White-blue	White-blue
6	Orange	Green
7	White-brown	White-brown
8	Brown	Brown

Insert Twisted Pair Wires **RJ-45** Connector

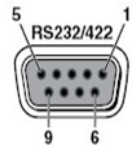
CAT5 T568A standard one end, other end to T568B standard crossover cable

Step 6-USB connector

3 USB interface for computer software AVDSP

Console.exe control. USB interface, 11 and 16 for the LED control system, control, use the USB cable

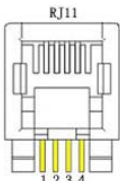
Step 7-Serial port



Pin	RS-232	Function	RS-422	Function
2	TX	Transmit	TX-	Transmit(-)
3	RX	Receive	RX-	Receive(-)
5	GND	Signal Ground	GND	Signal Ground
7	---	Not used	RX+	Receive(+)
8	---	Not used	TX+	Transmit(+)

Insert Twisted Pair Wires **RS232/RS422** Connector

Pin	RJ-11	Function
1	---	Not used
2	RX	Receive
3	TX	Transmit
4	GND	Signal Ground

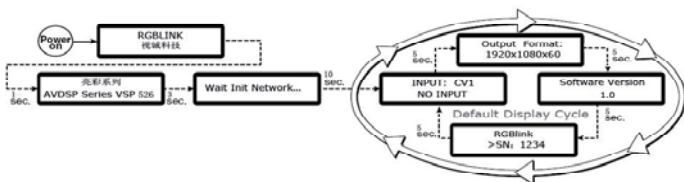


Insert Twisted Pair Wires **RJ11** Connector

Step 8-power connector

Plug in power cord which has IEC connector, VSP 310 support AC power from 85 to 260 VAC,50-60Hz, which means world wide compatible.

Powering up



Push power button switcher to ON position. LCD module on the front panel will show RGBLINK and VSP 310 model information, and go into self verification before it load the last setting configuration data and send the processed image to the target display or device. For the first time running, CV1 input is the default input source. User can operate with VSP 310 with local front panel and remote control with the software run on the PC, remote control by RS232, USB or TCP/IP.

Local control -- Front Panel Operation



Step 1 —output resolution

Push OUT button and use UP or DOWN button to go to the right resolution for the monitor or display system, and push SEL button to decide to go to the resolution.

NOTE VSP 310 support 8 output format as following : 800x600x60Hz, 1024x768x60Hz , 1280x768x60Hz 1280x1024x60Hz , 1440x900x60Hz, 1400x1050x60Hz 1920x1080x60Hz 1600x1200x60Hz Output resolution should be the same or bigger than monitor or display system resolution.

Step 2-Input Switch

VSP 310 support DVI and VGA inputs, push DVI or VGA button, switch to the corresponding input signal and the signal output by setting the display resolution and the SCALE value to the terminal device

NOTE Currently selected input signal when no signal input, VSP 310 will remain displayed on a static screen image.

Step 3—Pattern setting

Press TP button, enter Test Pattern menu **【Pattern】** : standard seven color bar

Step 4 —scale

Push Scale button and go into scale setting menu. Use UP or DOWN to go to Horizontal size, Vertical size, Horizontal position, Vertical position setting page, and push SEL to decide to set, and use UP or DOWN to change the size or position value. Push SEL to send and exit from the setting.

Step 5—separate setting

VSP 310 can handle any input source to fine 2 DVI outputs, two DVI outputs which can each support full HD resolution of 1920 * 1080 * 60Hz; and support for the second monitor or projector-screen function.

press the MENU button to enter the main menu, press UP / DOWN button to enter the sub-screen setup menu, press the SEL button to enter the feature set to confirm, press UP / DOWN button to set the horizontal or vertical screen split screen. press the SEL button to view this feature; or directly click the horizontal split-screen, vertical screen LED screen applications, the split-screen set of coordinates set to support full-screen run

Horizontal screen



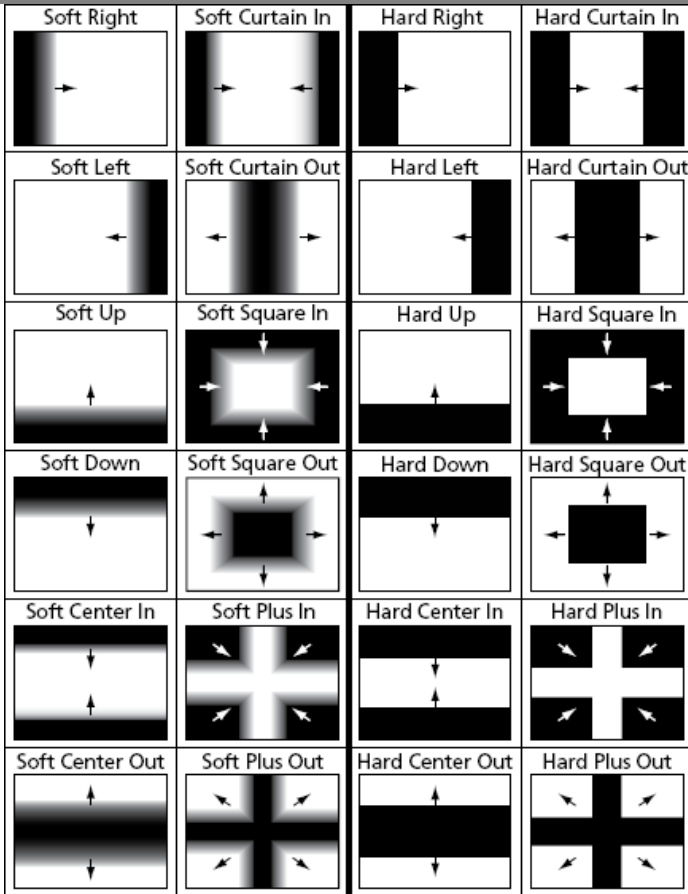
Vertical Screen



Step6—Seamless switch

First press the AB button to activate the main menu of seamless transitions, press UP / DOWN button to enter the main menu screen in different sub-effects, press the SEL button to confirm the effects of the selected view mode is also available on the effects menu. effects of the values set; such as fade switch delay settings. Secondly, the touch input source button to see a seamless transition effects.

Seamless switch effects



Step 7—Setting SCALE

Click the Scale button to enter the Scale settings menu. Click the UP or DOWN button to select the desired content of Horizontal size horizontal SCALE size, Vertical size vertical size, Horizontal position horizontal X coordinate, Vertical position vertical Y coordinates, click the SEL key to enter the setup menu, corresponding to a "*" instead of ">", use the UP or DOWN to change the setting value, click the SEL to complete the setup and exit the current menu

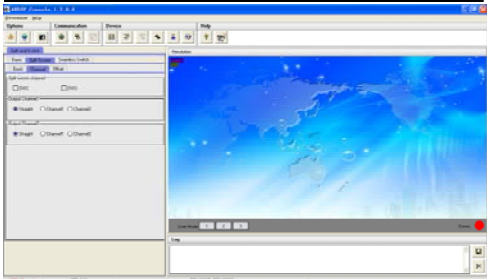
NOTE Press UP or DOWN key when, SCALE value will change more quickly. Rate of change from 1 to 10 to 100 pixels

Step 8 -Save

VSP 310 supports two users modes. Press SAVE button, SAVE1 and SAVE2 button will light up at the same time, press SAVE1 or SAVE2 will finish save operation.

NOTE SAVE1 is the default user mode of VSP 310, VSP 310 will work with SAVE1 configuration data after power on. After factory reset, all user-mode will go to initial mode.

Remote control – software operation



NOTE

This software is only setup for windows system, please refer to the user manual for detail. During install and application, please use right language interface.

Step 1-Set up communication

Use the RS 232 port on the computer, baudrate should be 115200.



Set com



Open com



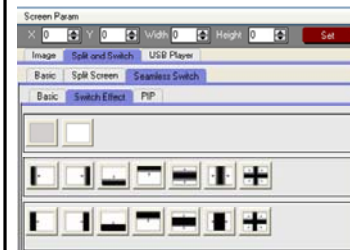
Close com

Step 2-Set up output resolution

Select output resolution from pull down output list.



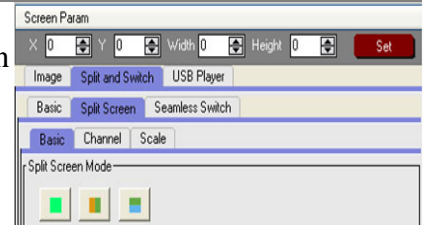
Step 3-Local control – Seamless switch



Use mouse to push seamless switch page on the software, select seamless function by click and click on the source to switch with the effect.

Step 4 -set splitter function

Use mouse to push mosaic function page on the software, select horizontal mosaic or vertical mosaic, and set X,Y position in need.



Step 5-Set Scale

User can scale the image with mouse drag and drop operation; User can also scale by input the data into the scale parameters and set.



Step 6-Save

Push “Save to flash” button and select one of user mode to save, there are three user mode in the list.



Save to flash button, use to save user mode