

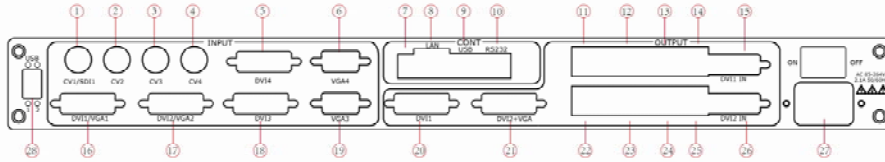
# VSP 5162 - Quick Start

**NOTE** For full installation, configuration, and operation details, refer to the VSP 5162 user manual.

This guide provides quick start instructions for an experienced installer to set up and operate the VSP 5162.

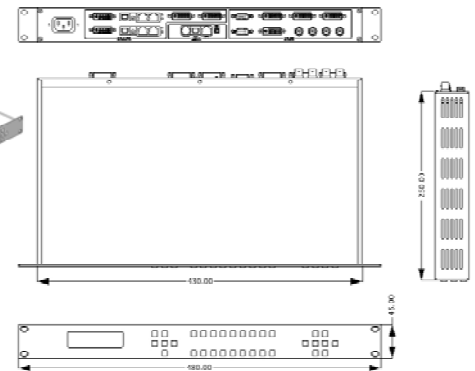
## Installation and cabling features

Rear Panel



## Connections

- ①② CVBS/SDI input (BNC)
- ③④ CVBS input (BNC)
- ⑤⑱ DVI input (DVI-I)
- ⑥⑲ VGA input (DB15)
- ⑦ Mini switches
- ⑧ RJ-45 interface
- ⑨ USB control port
- ⑩ RS232 control port
- ⑪⑫ LAN RJ-45 port, connect with
- ⑳ DVI output (DVI-I)
- ㉑ DVI+VGA output (DVI-I)
- ㉒⑳ LED screen via CAT5 cable.
- ⑬⑳ TX Card Power Connector
- ⑭㉑ USB control port of TX card
- ⑮⑳ TX Card DVI Input Connector
- ⑯⑰ DVI+VGA input (DVI-I)
- ㉒ Power cord connector IEC-3
- ㉓⑳ USB input port



### Step 1-Mounting

Turn off or disconnect all equipment power sources.

### Step 2-CV/SDI input

CV/SDI input composite/3G signal from HD player or HD camera. (Auto detect composite signal or 3G SDI, 3G SDI is optional module, VSP 5126 3G is VSP 5162 with 3G SDI module.)



### Step 3-Composite input

Use to input composite signal  
Supported standards: PAL, NTSC and SECAM



### Step 4-DVI input

Use to input DVI from DVI player or computer with DVI connector



### Step 5-VGA input

Use to input VGA signal from VGA player or computer with VGA connector



### Step 6-DVI +VGA input

Use to input HDMI (from HD player), DVI or VGA (from computer), YPbPr (from Satellite Transmission or DVD)



### Step 7-USB Input

Used to play media files from disk with USB connect.



### NOTE

Signal connection:

1. Input HDMI signal via DVI to HDMI adapter.
2. Input VGA through to DVI to VGA adapter.
3. Input both DVI and VGA signal through DVI to DVI + VGA adapter.
4. Input DVI, YPbPr or CV through DVI to DVI + 3 BNC adapter.
5. Or input DVI directly by DVI cable.

One side of DVI to DVI+VGA adapter is DVI-I or DVI-D male interface, another side DVI-I or DVI-D female interface.



One side of DVI to YPbPr adapter is DVI-I male interface, another side YPbPr female interface.



One side of DVI to VGA adapter is DVI-I male interface, another side VGA female interface.



### Step 8-DVI +VGA output

Through DVI to VGA adapter, VGA output to VGA monitor, DVI output to DVI monitor or LED control system



### Step 9-DVI output

Connect to the monitor or LED control system which has DVI interface.



### Step 10-LAN(Ethernet) port

Use twist CAT5 cable to connect to LAN port, user can control VSP 618 based on default IP address: 192.168.0.100. User can also change the IP address by RS 232 or USB. Twist CAT5 should be one end in T568A, and another end in T568B standard. LAN(Ethernet) port is not for standard configuration.

**Crossover Cable**

| 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   | WhiteBlue        | White-blue       |
| 6   | Orange           | Green            |
| 7   | White-Orange     | White-brown      |
| 8   | Orange           | Brown            |

CAT5 is wired as T568A at one end and T568B at the other(Tx and Rx pairs reversed) is crossover.

### Step 11- USB Port

Connect control PC to USB port via USB cable.



### Step 12-Serial port

Use RS232 to RJ11 cable to connect a control system or computer to the back panel RJ11 port and the other end on RS232 port. RS232 to RJ11 cable as following definition.

| Pin | RS-232 | Funtion       | RS-422 | Funtion       |
|-----|--------|---------------|--------|---------------|
| 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(+)   |

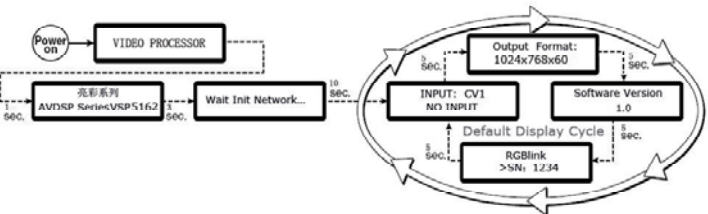
Insert Twisted Pair Wires RS232/RS422 Connector

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

Insert Twisted Pair Wires RJ11 Connector

### Step 13- Power

Plug in power cord which has IEC connector, VSP 5162 support AC power from 85 to 260 VAC,50-60Hz, which means world wide compatible.



### Step 14-Powering Up

Push power button switcher to ON position. LCD module on the front panel will show Video Processor and VSP 5162 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 5162 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—Set Output resolution

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

**NOTE** VSP 5162 supports the following resolution: 800x600x60Hz, 1024x768x60Hz, 1280x768x60Hz, 1920x1080x60Hz, 1600x1200x60Hz.

#### Step 2-Programming input signal

VSP 5162 support 2 programming input, button 1, button 2 are programable, button 1 is for input CV1/SDI1, CV2/SD2 DVI1+VGA1 signal, and button 2 for CV3, CV4, DVI2+VGA2, press button 1 or button 2 then press PRG to switch to program input .

VSP 5162 supports 4 programming input interfaces, buttons DVI3, DVI4, VGA3, VGA4 are used to input DVI and VGA signal separately.

**NOTE** DVI+VGA input interface, support input DVI video( compatible with HDMI1.3), could also input VGA or YBPR through adapter. VSP 5162 3G supports 2 3G SDI input, automatically detect composite and 3G SDI signal

#### Step 3- Input Switch

DVI in Program part is DVI output, use to connect with LED screen, VGA in Preview part is VGA output, use to connect with monitor to preview video, and then choose to display the video by pushing CUT or TAKE button.

There are two different switch ways: CUT and TAKE:



CUT is the direct switch without transiting effect TAKE has the transiting effect, for example there are WIPE and FADE. In WIPE menu there are many modes to choose. And in FADE menu duration of Fade-in-Fade-out can be set.

**NOTE** Current mode can be figured out according to the light of WIPE or FADE button.

### 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.

**NOTE** Keep pushing UP or DOWN button, the value of the size or position will change faster and faster during setting values. Rate of change will be from 1 to 10 and to 100.

### Step 5-Save

VSP 5162 supports 10 user saving modes. Push SAVE button and SVAE1~ SAVE10 buttons will light on, push any one of them to save the setting. After that user can push each of them to call the setting.

**NOTE** SAVE1 setting is default user setting after VSP 5162 power on. All the user settings will gone after factory reset.

### Step 6- Save mode loading

VSP 5162 supports 10 user saving modes, make sure all the saved parameters right, push LOAD button, and SVAE1~ SAVE10 buttons will light on, push any one of them to confirm loading the save mode by pushing UP and DOWN, push SEL to confirm. All the user settings will gone after factory reset.

**NOTE** Factory Reset: When there is wrong operation during parameter adjustment, users can recall the device and readjust the parameter. Following the steps: Press MENU button ,choose the submenu Reset and press SEL to initiate factory reset.



### Remote Control- Software Control



**NOTE** About how to install this software in the WINDOWS operating system, please refer to the user manual and please select the correct language version during installing process.

### Step 1-Set up communication

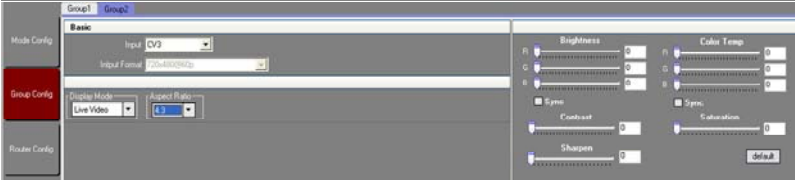
Choose useful RS 232 control port of computer, set baudrate at 115200.



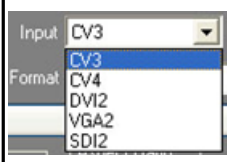
communication button **Default IP: 192.168.0.100**

Set the computer in a network segment with different IP addresses, then communicate, for example: 192. 168.0.99

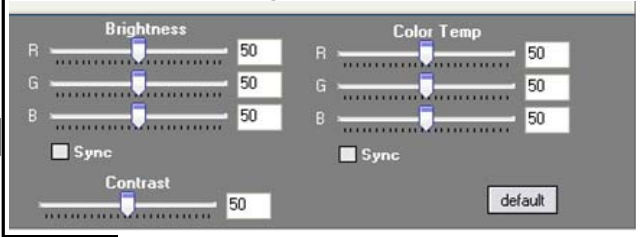
### Step 2-Set up working mode



In "Group Config" there is the option for operation to the signal group, select the appropriate signal mix to configure.



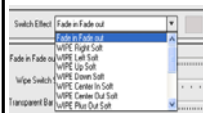
In the Group Config menu users can also set the brightness, contrast, color temperature and other regulation.



**NOTE** The current adjustment only works for current selected input source, the adjustment can be saved to the device.

### Step 3- Set up switch mode

Choose Switch Effect such as fade-in-fade-out from the list of Effect Mode.



Switching time and speed are also set here.



After presetting data, users can see the effect from Program output by pressing TAKE button. Users can achieve the switch effect with lateral push-and-pull rod. CUT is the fast switch with no transition effect.

### Step 4-Preview Operation



VGA of DVI+VGA output connector is the preview output of PC software, could be connected with VGA monitor.

Through button 123456 in Preview window of the PC software, 12 button is to monitor signal from program input 12, 3 is to monitor DVI3 input, and 4 for VGA3 input, 5 for DVI4 INPUT, 6 for VGA4 input.

### Step 5-Program seamless switch effect

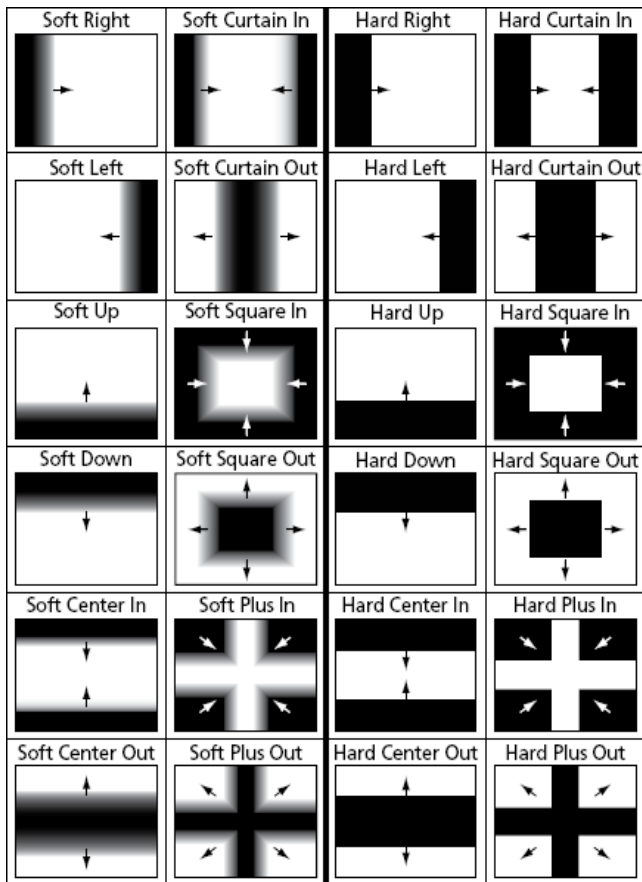


DVI of DVI+VGA output connector is the program output of PC software, could be connected with VGA monitor

Through button 123456 in program window of PC software, or CUT, TAKE button to do seamless switch between signals.

Buttons 12 are for program input 12, 3 is to monitor DVI3 input, and 4 for VGA3 input, 5 for DVI4 INPUT, 6 for VGA4 input.

### Seamless switch with effect



### Step 7- Software and device sync

When operations were done both on front panel buttons and PC software, the device is not synchronized with PC software, click the sync button on the upper right corner to make them synchronized



**NOTE** Operations on the front panel buttons and PC software are not allowed to be done at the simultaneously.

**Factory Reset:** When there is wrong operation during parameter adjustment, users can recall the device and readjust the parameter. Following the steps: Press Control option in the menu bar, and click the submenu Reset to initiate factory reset.



### Step 6- Setting save and loading

In the user profile, there are three buttons to set parameters, click on parameter setting, SAVE to keep configurations saved, a list would pop up, there are 10 user modes for selection, anyone could be chosen; update reset to updating the program, after upgrade, restart the device.



There are 10 user modes in Switch Mode, click on the button to load saved settings.

