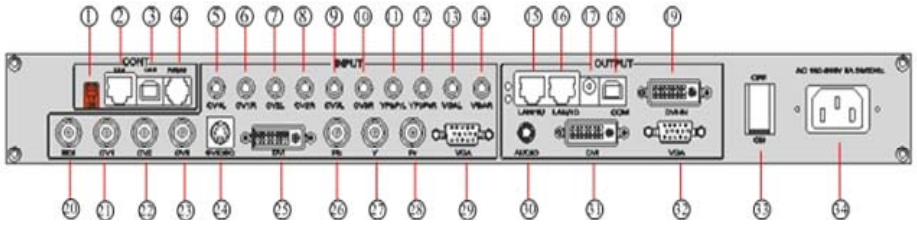
VSP 516 – Quick Start

Note This guide provides quick start instructions for an experienced installer to set up and operate the VSP 516.

Installation and cabling features

Rear Panel



Connections

① Mini Switches

②⑮⑯ LAN RJ-45 port

③⑱ USB control port

④ RS232 control port

⑤~⑭ Audio input connector

⑰ TX Card Power Connector

⑲ TX Card DVI Input Connector

⑳ SDI input BNC connector

㉑~㉓ Composite input BNC connector

㉔ S-Video (DIN 4) Input connector

㉕ DVI (DVI-I) Input Connector

㉖~㉘ Component Female BNC Connector

㉙ DSUB 15-pin VGA Output Connector

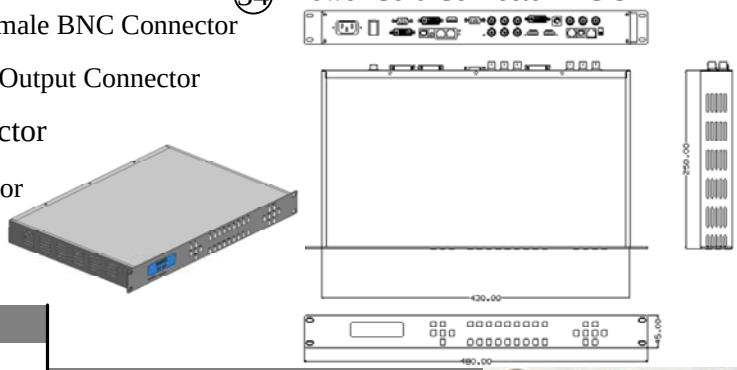
㉚ Audio output connector

㉛ DVI Output Connector

㉜ DSUB 15-pin VGA Output Connector

㉝ Power Switch Button

㉞ Power Cord Connector IEC-3



Step 1-Mounting

Turn off or disconnect all equipment power sources.

Step 2-Audio Input

Used to input audio signal from Players with audio output, such as DVD.

Step 3-SDI Input

Used to connect the SDI source such as digital camera, broadcasting device. SDI input is an optional module of VSP 516S, based on the standard VSP 516.

Step 4- Composite Input

Used to input composite signal (PAL, NTSC, SECAM compatible).

Step 5-S-Video input

Used to input S-Video signal (PAL, NTSC, SECAM compatible).

Step 6-DVI input

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

Step 7-Component input

Used to input signal from DVD Or media player; Input signal are R/Pr G/Y B/Pb from left side if check from back panel.

Step 8-VGA input

Input from computer or VGA source, such as PC or laptop.

Step 9-Audio output

Connect to the audio Amplifier or audio player.

Step 10-DVI output

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

Step 11-VGA output

Connect to the monitor, projector and so on.

Step 12-USB connector

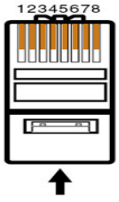
Connect VSP516 with PC by USB cable for control.

Step 13-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.



RJ-45 Connector

Crossover Cable

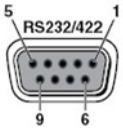
Pin	End 1 Wire Color	End 2 Wire color
1	White-green	White-Orange
2	Green	Orange
3	White-Orange	White-green
4	Blue	Blue
5	WhiteBlue	White-blue
6	Orange	Green
7	White-Orange	White-brown
8	Orange	Brown
	T568A	**T568B**

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

Step 14-Serial port

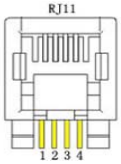
Use RS232 to RJ11 cable to connect a control system or computer to the back panel RJ11 port and the other end on RS232 port. RS232 to RJ11 cable as following definition.

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



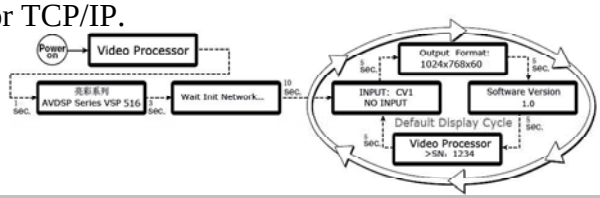
Insert Twisted Pair Wires
RJ11 Connector

Step15- Power

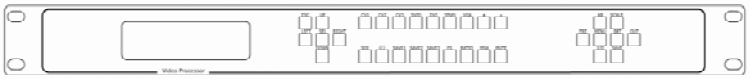
Plug in power cord which has IEC connector, VSP 516 support AC power from 85 to 260 VAC,50-60Hz, which means world wide compatible.

Powering Up

Push power button switcher to ON position. LCD module on the front panel will show Video Processor and VSP 516 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 516 with local front panel and remote control with the software run on the PC, remote control by RS232, USBor TCP/IP.



Local control -- Front Panel Operation



Step 1-Input Switch

VSP 516 supports eight inputs: CV1, CV2,CV3, SVideo,VGA,YPbPr,DVI (HDMI 1.3 compatible) ,SDI (VSP 516S only). Push each source button, will switch to each source input, and display on the target monitor or display system its input. For HDMI input, please use HDMI to DVI cable to input from source.

NOTE When there is not video or graphic input for the current input, and user switch to that input, the last frame image of the last input will keep on display.

Step 2-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 3-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 516 supports 3 output formats：800×600×60Hz ;1024×768×60Hz;1280×1024×60Hz; Output resolution should be the same or larger than the monitor or display system resolution.

Step 4- Dual display

Push Ⅰ/Ⅱ to switch between Single and Dual window mode. Dual window means picture in picture layout mode, user can customized each window size and position for their application.

NOTE For dual window mode, the following inputs CV1,CV2,CV3,SVID,VGA,YPbPr,DVI,SDI could be in each window, except two of CV1, CV2,CV3 and SVID could not be shown at the same time. DVI and SDI could not show at the same time.

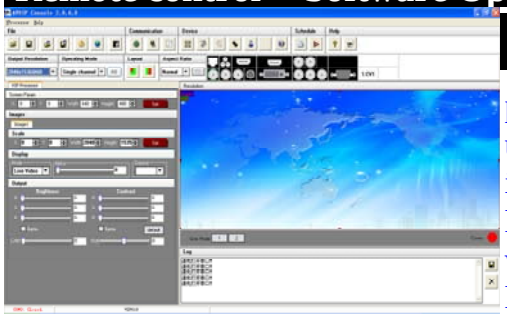
Step 5-Save

VSP 516 support 3 user saving mode. Push SAVE button and SVAE1, SVAE2, SAVE3 buttons will light on together, 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 516 power on.

All the user settings will gone after factory reset.

Remote control -- Software Operation



NOTE For setup software, please check with user manual. And install correct language version to work with right language user interface.

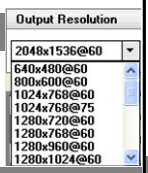
Step 1-Set up communication

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

 Set COM  Open COM  Close COM

Step 2-Output resolution

Select output resolution from pull down output list.

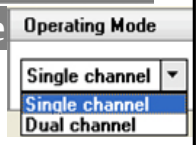


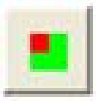
Step 3-Scale

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

Step 4-Set up picture display mode

Under dual channels mode, user can set up the pictures' size and position, as following:



 Push this button to show PIP

NOTE CV1 is default small window, DVI is default bigger window.

 Push this button to show PBP.

Step 5-Save

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

 Save to flash button, use to save user mode

How to add task in advanced settings

Add task through "device schedule" under the "video processor" menu.

User can add task schedule, and then device will switch to the input, run the config settings according to the schedule.

There are three steps to finish schedule.

Step 1. Set clock to sync to local time;

Step 2. Enable the schedule.

Step 3. Set timer parameter the schedule will run;

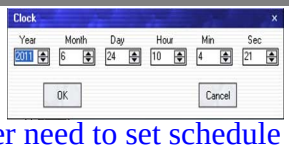
Step 4. Set the functions which run with schedule;

Step 5. Save to timer index;

Step 6. Run schedule

Step 1-Set Clock

set the current time through the options in the "clock" function.



NOTE After factory reset, user need to set schedule function again.

Step 2-Enable the schedule

User should enable the schedule after the config, otherwise the function is not used.

Push start button ON and when the button show as OFF it means schedule function is enable.

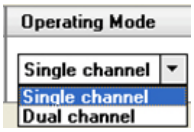
Step 3-Set timer parameter

The VSP 516 supports timer setting in date, hour, minute and seconds.

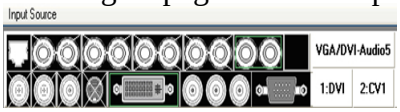
Step 4-Set function to run

User can set operating (display) mode, input interface, scale for schedule function.

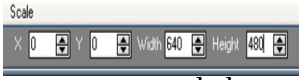
Select to work in dual channel or single channel display mode.



Select the input interface to work in display mode, if display mode is dual channel, should click image 1 and image 2 page to select separately.



Users can scale the parameters by input values or click the down arrow to set the parameters to control the location and size.



Step 5-Save to timer index

User can save the schedule setting as timer index. When the timer value is set to 1, the setting is stored into index 1. If you want to set up more schedule function, you can store in different index.

VSP 516 supports max 10 schedule functions.

Step 6-Run schedule

When these steps were finished, click Set to complete the "Task Scheduler".

Click the button Get you can view the current "mission plan" input, playback time, picture size, location and other information.