RGBlink VIEWSIZE THE WORLD

# VSP 3600 – Quick Start

NOTE For full installation, configuration, and operation details, refer to the VSP 3600 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 3600.

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

Installation and cabling features

Rear Panel
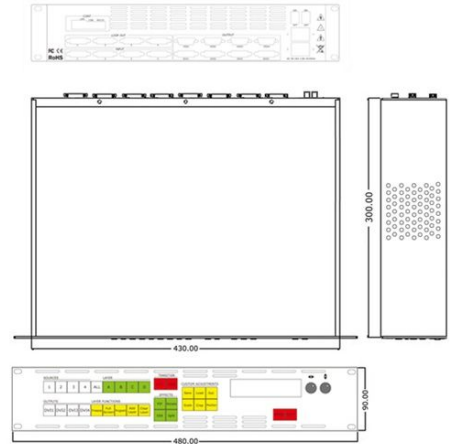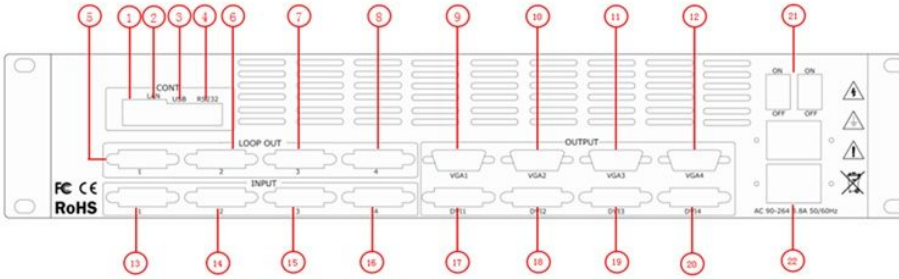
Connections

①	Dial switch	⑨~⑫	VGA Output Port DB-15
②	10/100M Internet Control Port	⑬~⑯	DVI Input Port DVI-I
③	USB Control Port	⑰~⑳	DVI Output Port DVI-I
④	RS232 Control Port	㉑ ㉒	Power Switch Button and Power Port IEC-3
⑤~⑧	DVI Loop Out		

Step 1-Mounting

Turn off or disconnect all equipment power sources.

Step 2- DVI Input DVI-I

DVIinput ports support signal sources of HDM I from high-definition player or DVI from PC

NOTE Comments to use the programs video when connect with HDMI from high definition player.

Step 3- DVI Loop Out

Can connect the next level VSP 3600 or the device with DVI loop out.

Step 4-VGA Output DB15

Used to connect VGA monitor, projector or other display system.

Step 5- DVI Output DVI-I

Used to connect display system with DVI input port or LED display control system; DVI 1 output acts as the default program output.

NOTE Comments to use the sending cards box, Driver, DV4 from RGBlink for that VSP3600 can not support sending card installed inside.

Step 6- Lan Control Port

Use twist CAT5 cable to connect to LAN port, operator can control VSP 3600 based on default IP address: 192.168.0.100. Operator 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.

Pins
1 2 3 4 5 6 7 8
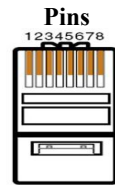
Insert Twisted Pair Wires
RJ-45 Connector

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	White-blue	White-blue
6	White-orange	Green
7	White-brown	White-brown
8	Brown	Brown
	T568A	T568B

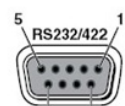CAT5 is wired as T568A at one end and T568B at the other(Tx and Rx pairs reversed) is crossover.

Step 7-USB Port

Use USB cable to connect the VSP 3600 and computer.

Step 8- 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.

RS232/422

Insert Twisted Pair Wires
RS232/RS422 Connector

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(+)

Pin	RJ-11	Function
1	---	Not Used
2	RX	Receive
3	TX	Transmit
4	GND	Signal Ground
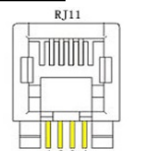
RJ11

Insert Twisted Pair Wires
RJ11 Connector

Step 9- Power Port

Plug in power cord which has IEC connector, VSP 3600 has two power ports with one for backup power and support AC power from 90 to 264 VAC,50-60Hz, which means world wide compatible.
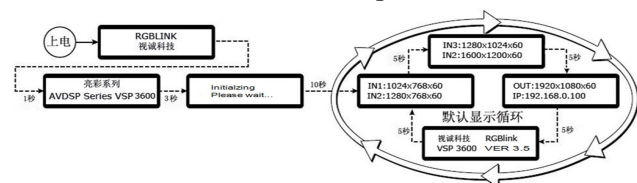
Power On

Push power button switcher to ON position. LCD module on the front panel will show Video Processor and VSP 3600 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 3600 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
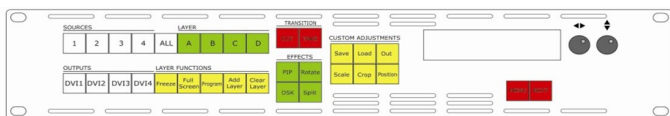
Step 1-Set Output Resolution

Press MENU button, and spin Up/Down knob to select OUTPUT CONFIG. Press NEXT and spin Up/Down knob to select OUTPUT FORMAT. Press NEXT and spin Left/Right knob to select OUTPUT RESOLUTION. Then press NEXT to setup.

NOTE VSP 3600 supports output resolution as following：

1024×768×60Hz, 1280×720×60Hz,1280×768×60Hz, 1280×1024×60Hz,1360x768x60Hz,1366x768x60Hz, 1400x1050x60Hz,1440x900x60Hz,1600×1200×60Hz, 1680x1050x60Hz,1920×1080×60Hz,1920x1200x60Hz, 2048x1152x60Hz；

Step 2-Programming input signal

VSP 3600 supports 4 DVI(compatible with HDM1.3), and supports max input resolution 2048x1152x60Hz.

NOTE Operating as following：

1. In LAYER part, it can be programmed only when A, B, C, D button lights and blinks;
2. In FUNCTIONS part, push Program button to light;
3. In SOURCES part, push button to select 1, 2, 3, 4, it will light to show that its corresponding channel is programmed into the current layer;
4. In FUNCTIONS part, push Program and its light will be out to show the program operation of channels is completed.

Step 3-Set Output

1. In OUTPUTS part, push DVI1, DVI2, DVI3, DVI4 and it will light to show it is being programmed; OUTPUTS part button DVI1 is correspond with DVI1 and VGA1;
OUTPUTS part button DVI2 is correspond with DVI2 and VGA2;
OUTPUTS part button DVI3 is correspond with DVI3 and VGA3;
OUTPUTS part button DVI4 is correspond with DVI4 and VGA4;
2. In FUNCTIONS part, push Add Layer to add layer to output channel which means adding the quantity of layer;
3. In FUNCTIONS part, push Clear Layer to reduce layer of output channel which means reducing the quantity of layer;
4. In LAYER FUNCTIONS part, push Program to program input channel which means program the input signal of output screen;
5. In CUSTOM ADJUSTMENTS part, push Scale to adjust the size of image which means to scale or zoom of the image;
6. In CUSTOM ADJUSTMENTS part, push Crop to crop the image which means to crop the input signal of the output screen;
7. In CUSTOM ADJUSTMENTS part, push Position to adjust the position of the corresponding input image of the layer which means to adjust the position of output screen.

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Step 4-Save

When VSP 3600 function setting is finished, VSP 3600 supports 10 saving modes to avoid resetting of the same steps.
1. In CUSTOM ADJUSTMENTS part, push Save and it will light to enter save option;
2. Rotate Up/Down knob to select the save path from SAVE1 to SAVE10 which is shown on the LCD screen; Meanwhile 1,2,3,4 button in SOURCES, DVI1, DVI2, DVI3, DVI4 button in OUTPUTS, ALL and Freeze button will light. Select the corresponding path to save and press the corresponding button to complete, then all these buttons' lights are out.
SAVE TO 1 corresponding button 1 in SOURCES area;
SAVE TO 2 corresponding button 2 in SOURCES area;
SAVE TO 3 corresponding button 3 in SOURCES area;
SAVE TO 4 corresponding button 4 in SOURCES area;
SAVE TO 5 corresponding button ALL;
SAVE TO 6 corresponding button DVI1 in OUTPUTS area;
SAVE TO 7 corresponding button DVI2 in OUTPUTS area;
SAVE TO 8 corresponding button DVI3 in OUTPUTS area;
SAVE TO 9 corresponding button DVI4 in OUTPUTS area;
SAVE TO 10 corresponding button Freeze in Layer Functions area;

Step 5——Load the saved modes

When VSP 3600 function setting is finished, VSP 3600 supports 10 saved modes to avoid resetting of the same steps. All those 10 save modes can be loaded to use.
1. In CUSTOM ADJUSTMENTS part, push Load and it will light to enter load option;
2. Rotate Up/Down knob to select the load from SAVE1 to SAVE10 which is shown on the LCD screen; Meanwhile 1,2,3,4 button in SOURCES, DVI1, DVI2, DVI3, DVI4 button in OUTPUTS, ALL and Freeze button will light. Select the corresponding path to load and press the corresponding button to complete, then all these buttons' lights are out.
LOAD FROM 1 corresponding button 1 in SOURCES area;
LOAD FROM 2 corresponding button 2 in SOURCES area;
LOAD FROM 3 corresponding button 3 in SOURCES area;
LOAD FROM 4 corresponding button 4 in SOURCES area;
LOAD FROM 5 corresponding button ALL;
LOAD FROM 6 corresponding button DVI1 in OUTPUTS area;

LOAD FROM 7 corresponding button DVI2 in OUTPUTS area;
LOAD FROM 8 corresponding button DVI3 in OUTPUTS area;
LOAD FROM 9 corresponding button DVI4 in OUTPUTS area;
LOAD FROM 10 corresponding button Freeze in Layer Functions area;

NOTE Save 1 is the default mode for loading to use when VSP 3600 is power on.

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 NEXT to initiate factory reset.

FAQ solutions

Display has no output image

Assure there are input signals: Press【MENU】and go into【Device Info】, press the knob to cofirm, check the input signal sources, if appear <NO INPUT>, please check the connection; If use PC DVI or VGA as signal source, please set the display card to dual display or expanding mode;
Assure there are output signals: Get a monitor with VGA or DVI port, connect it to device output port, see if the monitor can display normally. If unnormal, check if the input signals are connected or if the output cable contacts good.

Display blinks

Check if preview output is normal: Get a monitor with VGA or DVI port and connect to the device output port, check if the monitor displays normally; If no blinks, check if DVI output plugs tight or change the DVI cable that connects sending card, if the monitor blinks, please check if input signal, input connecting cable and input port are normal.

Display only shows part of the image

Scale the image: Press 【Scale】, rotate the knob to adjust the size of screen, including width, height and starting position, press 【Next】to confirm.

Display shows no bottom half part

Incorrect output resolution: Confirm the width and height point on the screen, and select more adequater resolution than screen width, press 【Next】 to confirm.

Black edge appears on left or top

Adjust device DVI output DE excursion, press MENU, select XY_POS, press the knob to confirm, if LED screen top part appears black edge, adjust V_S

via rotate the knob; if LED screen left part appears black edge, adjust H_S via rotate the knob. After setting, please save the parameter to SAVE1.

All buttons light on together

Check if the dial switch is normal;
Power off the device, check if two red dial switches on back left part of the device are all upwards, if not, place them upwards, then power on the device again. The red dial switches are mainly for upgrade.