

SPROLINK®

www.sprolink.com

SEAMLESS PROFESSIONAL SCALER AND SWITCHER



VA1

USER MANUAL

Content

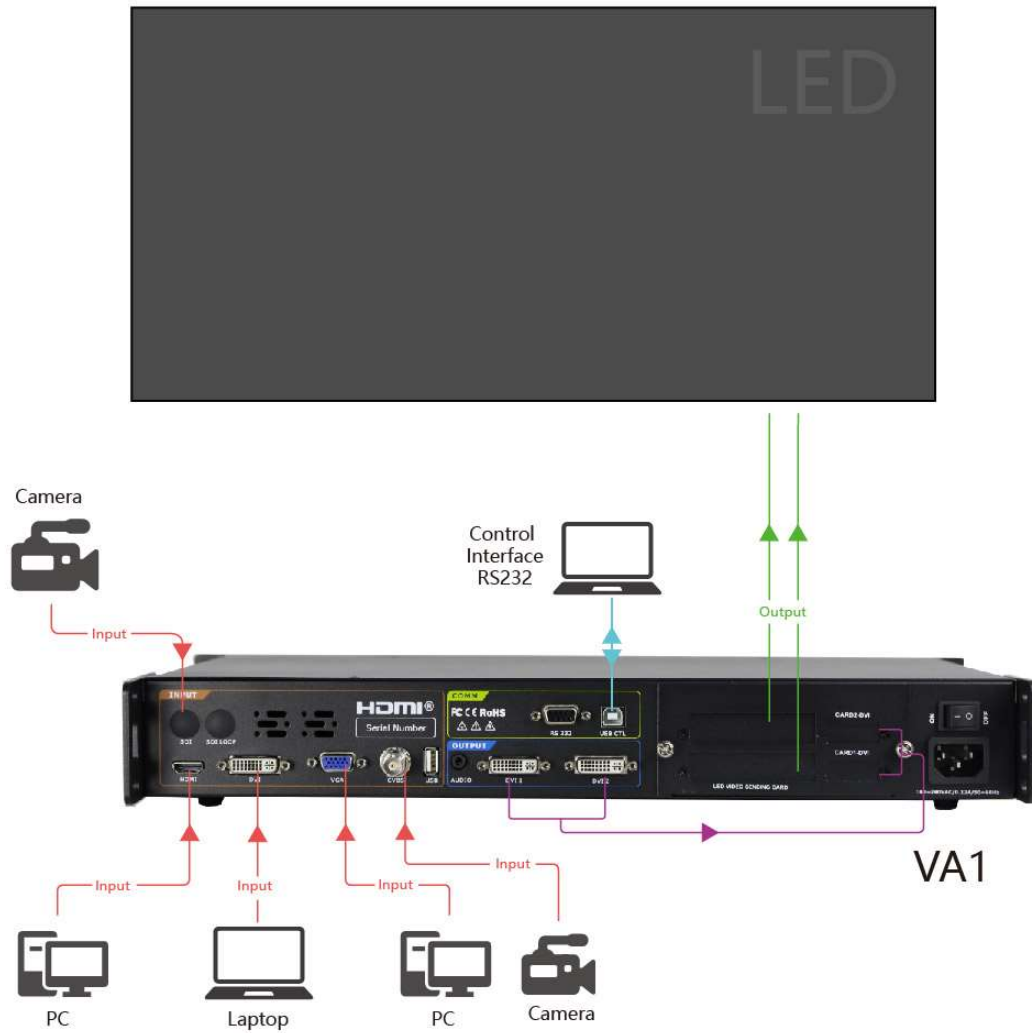
1. Product Features	1
2. Applications	2
3. Hardware Overview	3
3.1 Front Panel	3
3.2 Back Panel	4
4. Features	5
4.1 Multiple video inputs	5
4.2 Duplicate video output interface with Audio.....	6
4.3 Multiple output resolutions	6
4.4 Cascade Splicing	6
4.5 USB Player Expert	6
4.6 Black/Freeze images	7
4.7 Part Function	7
4.8 Save and load.....	7
4.9 Sending Card Installation	8
5. General	8

1. Product Features



- Seamless switching between any source
- Free customized among 2.5 million
- Plug & Play USB Media Player
- EDID Management
- Open Protocol Control
- Built-in Sending Card Slot
- Signal Hot Backup
- Audio & Video Sync Switching

2. Applications



3. Hardware Overview

3.1 Front Panel



OLED display panel

1	Display the current working status and menu for buttons control.
---	--

Operating Keys

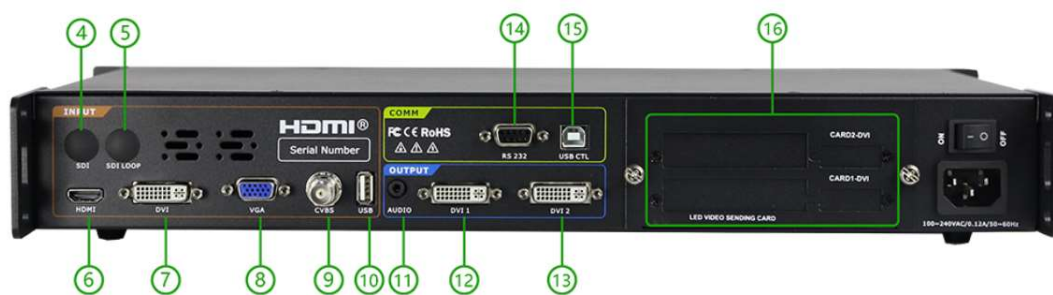
2	Rotary Button: Adjust the menu position and parameters
3	MENU Button: Press to enter into the menu, by using knob to find the specified menu, press MENU again to return to the previous menu.

Function Keys

4	Part Button: Enable AOI function. Press Part button to switch PART/FULL display
5	Mode: Press PART/FULL button to switch PART/FULL display
6	Black/Freeze Button: Shortcut for Black screen or Freeze screen

7	Output: Enable CVB input
8	HDMI Button: Enable HDMI input
9	DVI Button: Enable DVI input
10	VGA Button: Enable VGA input
11	CV Button: Enable CVBS input
12	USB Button: Switch to USB player/ Access to USB play list
13	SDI Button: Enable SDI input

3.2 Back Panel



- 4 SDI Input
- 5 SDI-loop Output
- 6 HDMI Input
- 7 DVI Input
- 8 VGA Input
- 9 CVBS Input
- 10 USB Player
- 11 Audio Output
- 12 DVI 1 Output
- 13 DVI 2 Output
- 14 RS-232 Control
- 15 USB Control
- 16 Sending Card Slot

Input connectors

4	SDI input (Optional)
5	SDI-loop output (Optional)
6	HDMI input : VESA Standard, Support 1920*1200, HD to 1080P
7	DVI input : Up to 1920*1200,HD to 1080P
8	VGA input : VESA standard, to 1920*1200
8	CVBS input: SMPTE:480i/576i
10	USB input: Play Image or Video content by USB drive
11	Audio Output : 3.5mm Audio output jack
12	DVI Output1: Support 1920x1280@60Hz in max. Connect with display
13	DVI Output2: Support 1920x1280@60Hz in max. Connect with display
14	RS-232 Support third party API control by RS-232
15	USB-CTL Support third party API control by USB
16	Sending Card Slot Support 2 sending card installation

4. Features

4.1 Multiple video inputs

VA1 has 7-channel video inputs, including 1 composite video (Video), 1 channel VGA, 1 channel DVI and 1-channel HDMI, 2 channel USB Player and 1 Channel

SDI(Optional) covering the needs of basic LED screen applications.

2 Channel USB can support hot-swap. Then screen will not go constant black during update USB content.

4.2 Duplicate video output interface with Audio

VA1 has two video outputs (2 DVI) with 1x 3.5mm Audio Output jack to play audio from HDMI DVI or USB player.

4.3 Multiple output resolutions

VA1 has up to 20 presets of output resolutions. The widest reaches 2304 pixels and the highest of 1920 pixel. Users can select and adjust the output to realize pixel-by-pixel display.

4.4 Casecade Splicing

VA1 support multiple device casecade to do display mapping for LCD or LED Display. Go to OUTPUT ->Multi Splice menu to set the splicing parameters.

HDMI and DVI input channels can be set for splicing. Use a DVI or HDMI distributor to feed source to multiple VA1 for casecade.

4.5 USB Player Expert

Support 2 channels USB Player. Support Image and Video Playback with several transition effects. When remove 1 channel USB. VA1 will play the content of another USB automatically. Ideal for USB play fixed installation.



Push USB button to switch signal in USB channel. The device will show the file list in USB player.

4.6 Black/Freeze images

The shortcut button can be used for blackout the screen or freeze the screen to pause the inputs. When the screen freezes, the operator can also change the current input or change cables, etc.

4.7 Part Function

VA1 can crop part of screen or play the full screen. Any input channel can be independently set cropped, and each channel is still able to achieve a seamless switching.



4.8 Save and load

VA1 with 10 set of preset. Can store all preset parameters set by the user.

Push Load button, all numerical button will be lighted for loading.

4.9 Sending Card Installation

VA1 have built-in sending card slots. It can support 2 x sending cards with small load capacity (MSD300, TS802.etc) or 1 x sending cards with big load capacity (MSD600, TS902.etc)

5. General

GENERAL PARAMETERS		
WEIGHT	3.5KG	
SIZE(MM)	PRODUCT(L.W.H) 250x482x44.5	CARTON(L.W.H) 355x515x130
POWER SUPPLY	100V AC-240V AC 50/60Hz	
CONSUMPTION	25W	
TEMPERATURE	0°C ~ 45°C	
STORAGE HUMIDITY	10% ~ 90%	