TECHNICAL SPECIFICATIONS

INPUTS	
Composite	(3) RCA CVBS: PAL, NTSC, SECAM with stereo audio input
Component	(5) RCA YPbPr: 1080p@50/60Hz, 1080i@50/60Hz, 720p@50/60Hz, 576i/p, 480i/p with stereo audio input
PC	DB15 Female with Jack stereo supports
VGA	640x480@60Hz, 800x600@60Hz, 1024x768@60Hz, 1280x1024@60Hz, 1280x720@60Hz, 1360x768@60Hz, 1440x900@60Hz, 1680x1050@60Hz, 1920x1080@60Hz with stereo audio input
HDMI	(2) HDMI Inputs: 1080p@50/60Hz, 1080i@50/60Hz, 720p@50/60Hz, 576i/p, 480i/p, 640x480@60Hz, 800x600@60Hz, 1024x768@60Hz, 1280x1024@60Hz, 1280x720@60Hz, 1360x768@60Hz, 1440x900@60Hz, 1680x1050@60Hz, 1920x1080@60Hz
USB type A	MPEG, H.264, RM/RMVB movie decode, JPEG, BMP, PNG Picture decode and MPEG1/2, MP3 audio decode

OUTPUT	
Output	HDMI Set 720p or 1080p output format with integrated audio

CONTROL	
Control	Front panel with pushbuttons and LED indicators, IR infrared with remote control supplied, RS232 DB9Female with simple protocol

OTHER	
Power	Switching Power Supply 110/220v 5VDC 4A
Operating Temperature Range	-5 to +35°C (-41 to +95 °F)
Operating Humidity Range	5 to 90 % RH (no condensation)
Dimensions	10.0125 in. W x 2 in. H x 6 in. D
Weight	2.75 lbs.

RS-232 SETUP	
Baud Rate	9600
Start Bits	1
Data Bits	8
Parity	None
Stop Bits	1

RS-232 COMMANDS	
Baud Rate	9600
Start Bits	1
Data Bits	8
Parity	None
Stop Bits	1
Switch source to AV	//AV*
Switch source to YPbPr	//YP*
Switch source to VGA	//VG*
Switch source to HDMI 1	//H1*
Switch source to HDMI 2	//H2*
Switch source to USB	//US*
Menu	//MU*
Exit	//XT*
Navigate Left	//LF*
Navigate Right	//RT*
Navigate Up	//UP*
Navigate Down	//DN*
Ok	//MK*
Power	//PW*
Source	//SC*
Ratio	//RO*
Vol-	//V-*
Vol+	//V+*
Timing	//TG*
Mute/un-Mute	//MT*
Picture mode	//PR*

Smart-AVI
SMART AUDIO VIDEO INNOVATION

V2VMax

FULL HD MULTI FORMAT SWITCHER WITH INTEGRATED SCALER

VGA, COMPONENT, COMPOSITE, USB, AUDIO AND HDMI SWITCHER, SCALER AND CONVERTER

USER MANUAL

INTRODUCTION

The V2V-MAX is a 6 port video switcher supporting multiple video formats with an integrated HDTV scaler. The V2V-MAX supports 1080p and 720p output resolutions, making it the ideal presentation switcher.

You can now use one device to connect your composite video, YPbPr video, VGA (PC), USB media file and 2 HDMI sources to a single 1080p HDMI output. Any input will be automatically scaled and converted to HDMI 1080p. Each video input also support the native audio format.

The V2V-MAX is the perfect solution for presentations in court rooms, schools, universities and hospitals, among many others.
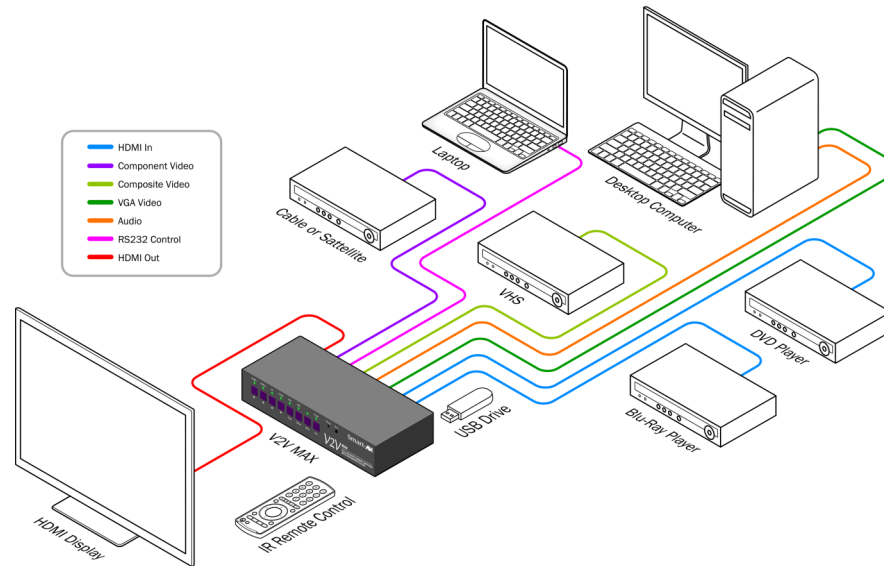
FEATURES

- 6 input ports
- (1) CVBS NTSC and PAL with Audio input
- (1) YPbPr with Audio input
- (1) VGA with Local audio up to 1920x1080
- (2) HDMI 1080p with automatic EDID learning
- (1) USB input supports flash disk drive: MPEG, H.264, RM/RMVB movie decode, JPEG, BMP, PNG
- Picture decode and MPEG1/2, MP3 audio decode
- RS232 simple protocol for port selection
- Front panel with led indicator for fast selection
- On Screen Display with menu selection
- IR remote control for easy switching
- HDCP 1.3 Compliant

WHAT'S IN THE BOX?

PART NO.	QTY	DESCRIPTION
V2V-MAX	1	6 Port Multi Format Switcher, Scaler and Converter
V2V-MXR	1	Remote Control
PS5VDC4A	2	Power Supply

INSTALLATION DIAGRAM

APPLICATIONS

- Courtrooms
- Schools
- Conference Center Systems
- Universities
- Hospitals
- Control Room Systems
- Broadcasting Facilities
- Recording Studios

SUPPORTED FILE TYPES

Video: MOV, MPG, WMV, MP4

Audio: MP3, WAV, WMA

Images: BMP, JPEG, PNG

CONNECTING THE V2V-MAX

1. Power off all devices
2. Connect two HDMI sources to HDMI input 1 and HDMI input 2
3. Connect the VGA source to the VGA input
4. Connect the composite video Yellow jack, to the composite input, and the corresponding audio jacks R and L into Audio-R and Audio-L respectively.
5. Connect the component video green "Pr," blue "Pb," and red to the "Y" RCA jacks and the component source audio to L and R.
6. Connect the HDMI monitor or HDMI screen to the HDMI output.
7. Connect the RS232 port
8. Connect a USB stick with video, pictures, or audio
9. Connect the power supply to the DC 5v
10. Turn on the power to each external device
11. Turn on the power to the V2V by toggling the power switch
12. Use the RS232 connection, Remote control, or front control panel to change sources.

V2V-MAX Front

V2V-MAX Back