

# User's Manual

## HDMI / VGA + Audio to HDMI Switch



VSAVM-021



Maybachstrasse 39 Tel: +49 7161 60686 0 www.evn-components.de  
73037 Göppingen Fax: +49 7161 60686 29 info@evn-components.de



- ▣ The final specification is the actual product based.
- ▣ Features and functions may be added or changed after the manual was written. Please visit our website to download the latest version of manual for reference.

PP5-RHAA12Z-000

**RoHS**

## Feature

- Select a VGA plus analog audio or a digital HDMI signal converting to a HDMI signal
- Support video with the resolution up to Full HD (1920 x 1080) / WUXGA (1920 x 1200)
- Compatible with most of the popular screen resolution to XGA, SXGA, UXGA, WSXGA ....Full HD, WUXGA system
- Intelligent EDID handling and processing algorithm
- LED Status indicates for easy troubleshooting and monitoring
- No software required ensuring Plug and Play operation
- HDTV, HDCP compliant and Blu-ray ready
- Compliant with HDMI v1.3

## Package Contents

Converter Unit	x 1
Power supplies	
USB Power Cable	x 1
Power Adapter Set (option)	x 1 set
Power Adapter with necessary AC Cord	
a or	
Plug-in Power Adapter	
User's Manual	x 1
Foot Pad Set	x 1

### Optional:

Audio Cable

## Video Mode Setting

This switch allows user to select the input source from HDMI or VGA + audio. By switching the slide switch according to the printing from left to right HDMI Priority, VGA Priority, Auto and Switch, users can choose the source which is the main output.

- **Switch:** Manually press the button "Select" to switch VGA or HDMI
- **Auto:** Automatically select the last source.
- **VGA Priority:** Give priority to VGA source
- **HDMI Priority:** Give priority to HDMI source

NOTE:

Press Select button (B1 / B2) to select VGA or HDMI source to display in any mode

## Screen Shift Mode

Screen Shift Mode can move image to right or left side on the monitor (horizontal position) for comfortable viewing.

Step 1. Press both **Shift** buttons (B1&B2) simultaneously over 2 sec. and release the button RIGHT AFTER the VGA input LED (L1) turns to Pale Blue.

Step 2. Press left button (B1) or right button (B2) to adjust image's position.

### NOTICE:

1. The system will automatically escape from shift mode if no activity is detected within 20 seconds.
2. Max. horizontal image displacement is 50 steps.
3. The system will automatically retain user's last setting.

## Resolution Alteration Mode

Under some particular video resolution, VGA input LED (L1) will turn to emit Blue and flash Orange twice when catching multiple similar video timing. User can use Resolution Alteration Mode to select proper video resolution.

Step 1. Press ALT button (B2) over 2 sec.

Step 2. LED flashes Purple once indicating the setting working.

NOTE:

1. Press ALT Button (B2) over 2 sec. again to select next available resolution or switch back to the previous resolution.
2. The system will automatically retain user's last setting.

# LED Indicator

VGA Input LED (L1)	Monitor Mode	Source
Emit Green and Flash Blue 3 Times	HDMI	N/A
Emit Green and Flash Blue 2 Times	DVI	N/A
Emit Blue and Flash Green 3 Times	HDMI	Yes
Emit Blue and Flash Green 2 Times	DVI	Yes
Emit Green and Flash Red Once	N/A	N/A
Emit Blue and Flash Red Once	N/A	Yes

HDMI Input LED (L2)	Monitor Mode	Source	HDCP
Emit Green and Flash Blue 3 Times	HDMI	N/A	N/A
Emit Green and Flash Blue 2 Times	DVI	N/A	N/A
Emits Blue and goes off 3 times	HDMI	Yes	N/A
Emits Blue and goes off 2 times	DVI	Yes	N/A
Emits Purple and goes off 3 times	HDMI	Yes	Yes
Emits Purple and goes off 2 times	DVI	Yes	Yes
Emit Green and Flash Red Once	N/A	N/A	N/A
Emit Blue and Flash Red Once	N/A	Yes	Yes or N/A

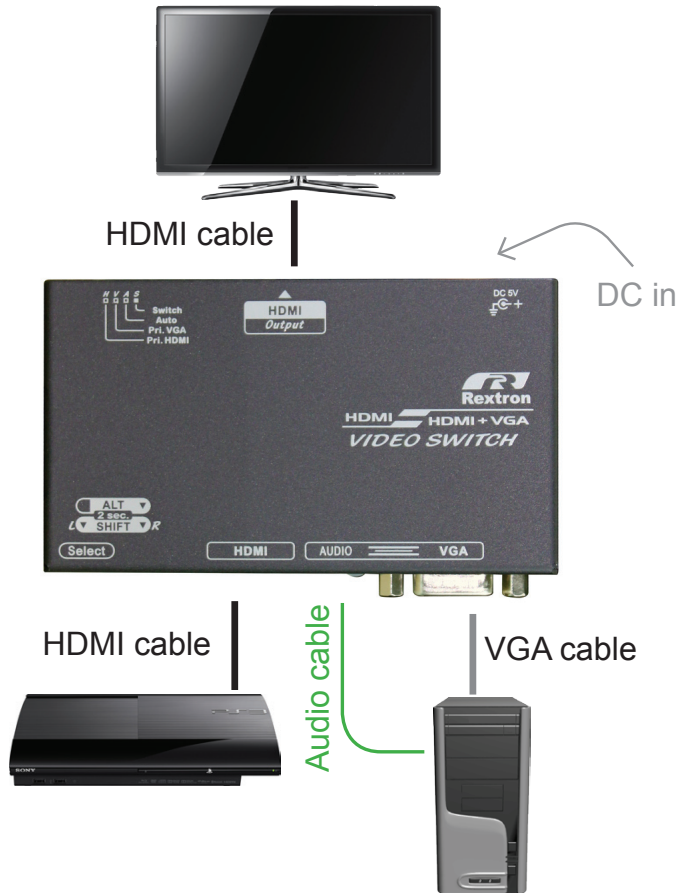


# Product Description



Ai +Vi1	Audio & Video Input	Connect to the VGA + analog audio source
Vi2	Video Input	Connect to the HDMI Source
S	Slide Switch	Select video input mode
Vo	Video Output	Connect to HDMI monitor
L1	LED indicator	Please See LED indicator
L2		
B1	Push Button	1. Select input source 2. Screen shift adjusts to left
B2		1. Resolution alternation selection 2. Screen shift adjusts to right

# Connection Pattern



## Operation

### Push Button

1. Press left BTN once to switch input source as VGA or HDMI
  2. Press left and right BTNs simultaneously over 2 sec. to enter in **Screen Shift Mode**
  3. Press right BTN once to select proper video resolution when catching multiple similar video timing in **Resolution Alteration Mode**
- (Please see each section for more details)

# Installation

- Prior to installation, ensure to power off all devices that will be connected to this system.
- Ensure that all devices you will connect are properly grounded.
- Place cables away from fluorescent lights, air conditioners, and machines that are likely to generate electrical noise.

1. Adjust slide switch to the proper position.
2. Use a HDMI cable to connect the display to the output ports on the unit.
3. Use HDMI, VGA and audio cables to connect the source device to the input ports on the unit.
4. Apply power to the unit. After finishing the installation you may now turn on the display and source devices.

## NOTE:

The unit is required to connect to the computer before the computer is powered on.

NOTICE: If users encounter no screen display in computer connection, you may...

1. Make sure the device cables are correctly and firmly attached.
2. Set your display device's (TV, monitor, etc.) input source as HDMI.
3. Check the PC BIOS configuration about the video output setting.
4. Connect your video source to the display DIRECTLY to check if the video signal gets through.

# Specifications

	<b>VSVM-021</b>
Input	HDMI x 1 VGA x 1, Analog Stereo x 1
Output	HDMI x 1
Video Resolution (Max.)	Full HD (1920 x 1080) WUXGA (1920 x 1200)
LED Indicator	Input x 2 (Multi-color)
HDMI TMDS Clock Rate (Max.)	225 MHz
Push Button	Select x 1 ALT x 1
Slide Switch	Switch / Auto / VGA Priority / HDMI Priority mode selection
Power Consumption (Max.)	DC 5V, 770mA
Dimensions H x W x D (mm)	25 x 103 x 60
Weight (g)	226

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