

VGA+HDMI® to VGA Audio/Video Converter Switch

VS221HD2VGA



*actual product may vary from photos

DE: Bedienungsanleitung - de.startech.com

FR: Guide de l'utilisateur - fr.startech.com

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FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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Product Diagram

Front View

1. Input Selection Button
2. HDMI Audio/Video Input#1 Port
3. Active Port LED Indicators
4. 3.5mm Audio Input#2 Port
5. VGA Input #2 Port
6. EDID Selection



Rear View

1. Power Adapter Port
2. VGA Video Output Port
3. 3.5mm Audio Output Port
4. Mode Selection Switch



Introduction

Packaging Contents

- VGA+HDMI to VGA Converter Switch (VS221HD2VGA)
- Mounting Bracket Set
- Universal Power Adapter (NA/EU/UK)
- Instruction Manual

Note: The VS221HD2VGA will not display digitally encrypted content from your HDMI-enabled Video Source Device.

System Requirements

- HDMI-enabled Source Device w/ HDMI Cable (i.e. computer)
- VGA-enabled Source Device w/ VGA Cable (i.e. computer)
- VGA-enabled Display Device w/ VGA Cable (i.e. monitor, projector)
- 2x 3.5mm audio cable (Optional for audio support)

Hardware Installation

1. Using an **HDMI cable** (not included), connect your **HDMI-enabled Video Source Device** to the **HDMI Audio/Video Input#1 Port** on the **VS221HD2VGA**.
2. Using a **VGA cable** (not included), connect your **VGA-enabled Video Source Device** to the **VGA Audio/Video Input#2 Port** on the **VS221HD2VGA**.
3. (Optional) If your **VGA-enabled Video Source Device** includes an audio output, connect the audio source output on the device to the **3.5mm Audio Input#2 Port on the VS221HD2VGA** using a **3.5mm Audio Cable** (not included).
4. Using a **VGA cable** (not included), connect your **VGA-enabled Display Device** to the **VS221HD2VGA**.
5. (Optional) If your **VGA-enabled Display Device** supports audio, connect a **3.5mm audio cable** (not included) from the VS221HD2VGA to the Audio input port on your Display Device.
Note: You can alternatively use a separate audio output device such as PC speakers, or a Home Theatre system.
6. Using the included **Power Adapter**, connect the **Power Adapter Port** on the **VS221HD2VGA** to an available power outlet.
7. Turn on the **VGA-enabled Display Device**, followed by each of the **HDMI & VGA-enabled Video Source Devices** (HDMI/VGA).

Mode Selection and Switch Operation

Change the Mode Selection Switch to choose your desired operation mode. Instructions and descriptions for each Operation mode are listed below:

Manual Mode

Manual Mode enables you to switch between video sources with push button operation.

1. Set the Mode Selection Switch to "Manual Switch" to place the VS221HD2VGA into Manual Mode.
2. Press the Input Selection Button to toggle between each Video Source Device. The Active Port LED Indicator will light as video sources are switched, indicating which port is selected.

Priority Mode

Priority Mode enables you to select a prioritized Video Input Device that will automatically be selected should that device be turned on.

1. Set the **Mode Selection Switch** to "HDMI Priority" or "VGA Priority" to Place the VS221HD2VGA into your choice **Video Source Device** priority.
2. Your **HDMI or VGA Video Source Device** (depending on your selection), will now automatically be displayed on your **VGA-enabled Video Display Device** while it is turned on. Turning off the device will automatically switch to the remaining device.

Set EDID Configuration

The VS221HD2VGA supports EDID pass-through, EDID copy and EDID emulation. EDID is a communication structure used by your video display device to communicate available display settings to your video source devices ensuring optimal performance.

You can set your desired EDID mode using the EDID dial on the side of the VS221HD2VGA.



EDID Pass-Through

Using EDID pass-through, the video source devices will communicate EDID settings to your video display device as normal. This configuration is ideal if your video display is capable of maintaining EDID communication. Follow the below steps to set up EDID pass-through.

1. Using a small flat-headed screw driver (not included), set the EDID dial to position 0

EDID Copy

Using EDID copy, the VS221HD2VGA will save the EDID settings of your video display locally and communicate these settings to your video source devices. This configuration is ideal if your video source devices and your video display intermittently experience issues due to EDID communication, such as signal loss. Follow the steps below to set up EDID copy.

1. Using a small flat-headed screw driver (not included), set the EDID dial to position 1.
2. Press and hold the input selection button, until the active port LED flashes green (about 3 seconds).

The active port LED will now alternate between green and red, and return to normal indicating that EDID Copy is now active.

Factory Default Setting

If the VS221HD2VGA is encountering an operational problem, resetting the device back to factory default settings may resolve your issue. Please follow the below steps to restore the VS221HD2VGA to factory default settings.

1. Using a small flat-headed screw driver (not included), set the EDID Selector to Position 1.
2. Press and hold the input selection button until the active port LED flashes RED (about 6 seconds).

The active port LED will now alternate between green and red, and return to normal indicating that the device has now been reset to factory default settings.

EDID Emulation

Using EDID emulation the VS221HD2VGA will communicate general EDID settings for your desired resolution. This configuration is ideal if your video display device does not support EDID. Follow the steps below to set up EDID emulation.

1. Review the "Complete Available EDID Settings Table" to determine your EDID dial position based on the resolution of your video source devices.
2. Using a small flat-headed screw driver (not included), set the EDID dial to your desired position.

Complete Available EDID Settings Table

EDID Dial Position	Resolution Settings
0	EDID Pass-Through
1	EDID Copy
2	1024 x 768
3	1280 x 720
4	1280 x 1024
5	1366 x 768
6	1440 x 900
7	1600 x 900
8	1600 x 1200
9	1660 x 1050
A	1920 x 1080
B	1920 x 1200
C	Not Active
D	2048 x 1152
E	Not Active
F	Not Active

Specifications

Video Input Signals	1 x HDMI 1 x VGA
Video Output Signals	1 x VGA
Maximum Video Resolution	1920x1200 (WUXGA)
Audio Support	7.1 Digital Audio (HDMI) 3.5mm Stereo Audio (VGA)
Supported Switch Modes	Priority, Manual

Technical Support

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For the latest drivers/software, please visit www.startech.com/downloads

Warranty Information

This product is backed by a two year warranty.

In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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