

VGA with Audio to HDMI Scaler Converter

VGA2HDMIPRO

Instruction Manual



CONVERGEAV

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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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Introduction

Thank you for purchasing a StarTech.com Converge A/V VGA2HDMIPRO scaler/converter. This convenient device offers a simple way to convert analog PC video and audio to HDMI or DVI-D, providing the option to output audio through an HDMI or TosLink cable - making it the ideal choice for use with DVI or HDMI video signals.

Featuring a convenient on-screen display menu and automatic native resolution detection, the VGA2HDMIPRO VGA with Audio to HDMI Scaler/Converter is easy to setup and ensures compatibility with most displays with support for input and output resolutions of up 1900x1200 / 1080p.

Features

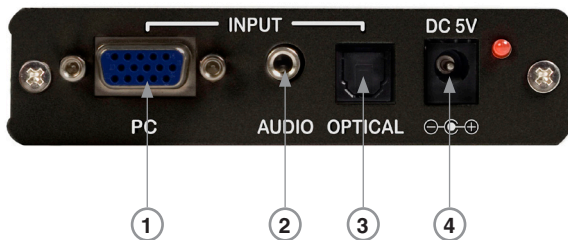
- Automatically detects native resolution of the connected display
- HDMI 1.2, HDCP 1.1, and DVI 1.0 compliant
- Supports input of analog audio or digital audio
- Supports input resolutions up to 1080p (HDTV) and 1900 x 1200 (PC)

Package Contents

- 1 x VGA and Audio to HDMI Converter / Scaler
- 1 x Auto/Universal Switching Power Adapter
- 1 x Instruction Manual

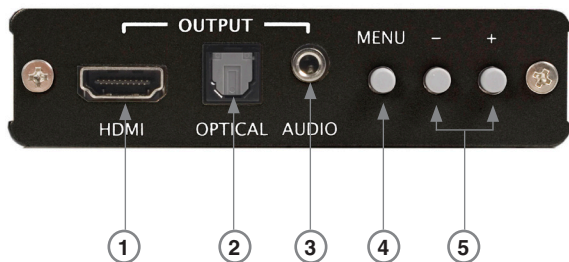
Operation Controls and Functions

Front Panel



- 1. PC Input:** Connect the D-Sub (15-pin) VGA PC input port to the DB15 VGA output port of your source equipment.
- 2. Audio Input:** Connect the 3.5mm jack input port to the analog audio port of your source equipment.
- 3. TOSLink (Optical Fiber) Input:** Connect the optical input port to the digital audio output port of your source equipment.
- 4. Power:** Plug the 5VDC power supply in to the unit and connect the adapter to an available AC wall outlet.

Rear Panel



1. **HDMI Output:** Connect the HDMI output port to the HDMI input port of your display.
2. **TOSLink (Optical Fiber) Output:** Connect the optical output port to the digital audio input port of your amplifier.
3. **Audio Output:** Connect the PC 3.5mm jack output port to the analog audio input port of your equipment.
4. **Menu Button:** Press the MENU button to bring up the OSD operation menu.
5. **+/- Button:**
 - a. At the first tier of the OSD menu, use the + and – buttons to scroll through the different settings.
 - b. Once the desired settings are selected, use the + and – buttons to toggle between setting values.

Connection and Installation



OSD Operation

1st Tier Option	2nd Tier Option	Adjustment
CONTRAST	-	0 ~ 100 Contrast Level
BRIGHTNESS	-	0 ~ 100 Brightness Level
FINETUNE	HUE	0 ~ 100 Hue Level
	SATURATION	0 ~ 100 Saturation Level
	SHARPNESS	0 ~ 100 Sharpness Level
	EXIT	Back to 1st Tier
COLOUR	RED	0 ~ 100 Red Colour Level
	GREEN	0 ~ 100 Green Colour Level
	BLUE	0 ~ 100 Blue Colour Level
	EXIT	Back to 1st Tier
SIZE	-	Full/Overscan/Underscan/Letterbox/ PanScan
OUTPUT	-	NATIVE / VGA / SVGA / XGA / SXGA / UXGA / 480i / 480p/ 720p@60Hz / 1080i@60Hz / 1080p@60Hz / 576i / 576p / 720p@50Hz / 1080i@50Hz / 1080p@50Hz / WXGA / WSXGA / WUXGA
AUDIO	-	3.5mm / Toslink (Optical)

1st Tier Option	2nd Tier Option	Adjustment
OSD	HPOSITION	0 ~ 100 OSD Horizontal Position
	VPOSITION	0 ~ 100 OSD Vertical Position
	TIMER	0 ~ 100 OSD Existing Time (sec.)
	BACKGROUND	0 ~ 100 OSD Transparency Level
	EXIT	Back to 1st Tier
INFORMATION	-	SOURCE (Input Interface) INPUT (Input Resolution) OUTPUT (Output Resolution) VERSION (Firmware Version)
EXIT	-	Close OSD Menu

Reset Function

To reset the unit, press and hold the MENU button. Unplug the DC power supply from the unit, then reinsert it. This will ensure that the unit is set back to its factory default settings, with the output resolution set as NATIVE. This features can be useful when the output resolution is not supported by the display device that is connected.

Specifications

General Specifications

Specification	VGA2HDMI ^{PRO}
Input Ports	1 x D-Sub 15-pin (VGA Connector) 1 x 3.5mm Jack 1 x TOSLink (optical fiber)
Output Ports	1 x HDMI 1 x 3.5mm Jack 1 x TOSLink (optical fiber)
Power Supply	5V/2.6A DC (US/EU Standards, CE/ FCC/UL certified)
Dimensions (mm)	154(D) x 100(W) x 25(H)
Weight (g)	340
Chassis Material	Aluminum
Silk Skin Colour	Silver
Operating Temperature	Operating from 0°C ~ 48°C

Supported Resolutions

	PC Input	HDMI Output	
	PC	SD/HD	PC
480I/576I (NTSC/PAL)		✓	
480P/576P		✓	
720P @ (50/60)		✓	
1080I @ (50/60)		✓	
1080P @ (50/60)		✓	
VGA @ (60/72/75/85)	✓		✓
SVGA @ (56/60/72/75/85)	✓		✓
XGA @ (60/70/75/85)	✓		✓
SXGA @ (60/75/85)	✓		✓
UXGA @ 60	✓		✓
WXGA @ 60(1280x800)	✓		✓
WSXGA @ 60(1680x1050)	✓		✓
WUXGA @ 60(1920x1200)	✓		✓

Technical Support

StarTech.com's lifetime technical support is an integral part of our commitment to provide industry-leading solutions. If you ever need help with your product, visit www.startech.com/support and access our comprehensive selection of online tools, documentation, and downloads.

Warranty Information

This product is backed by a one 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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