

User Manual

Model 1385

VGA to HDMI

PC to TV Converter/Scaler



Audio Authority®



WARNINGS

- Read these instructions before installing or using this product.
- To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture.
- This product must be installed by qualified personnel.
- Do not open the cover—there are no user-serviceable parts inside.
- Do not expose this unit to excessive heat.
- Install only in dry, indoor locations.
- Clean the unit only with a dry or slightly dampened soft cloth.

LIABILITY STATEMENT

Every effort has been made to ensure that this product is free of defects. Audio Authority cannot be held liable for the use of this hardware or any direct or indirect consequential damages arising from its use. It is the responsibility of the user of the hardware to check that it is suitable for his/her requirements and that it is installed correctly. All rights are reserved. No parts of this manual may be reproduced or transmitted by any form or means electronic or mechanical, including photocopying, recording or by any information storage or retrieval system without the written consent of the publisher.

Audio Authority reserves the right to revise any of its hardware and software following its policy to modify and/or improve its products where necessary or desirable.

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1.0 INTRODUCTION

Thank you for purchasing this VGA to HDMI Converter from Audio Authority. It is designed to convert a wide range of computer video resolutions to HDTV resolutions compatible with television HDMI inputs. The 1385 is the most practical PC to TV converter available, offering vital features such as overscan and scaling, eliminating the need for complex third party video software on the source computer. The output video and audio signals are fully HDCP and HDMI compliant. Other convenient features include a separate digital audio input and output (Toslink™), and stereo analog audio input and output jacks (3.5mm).

Audio Authority offers an extensive line of audio and video switchers, converters, distribution amps and extenders available for purchase online at www.audioauthority.com or through authorized dealers.

1.1 SYSTEM FEATURES

- Automatically detects the resolution of the connected display
- Overscan, aspect ratio, and other scaling adjustments
- Compliant with HDMI 1.2, HDCP 1.1 and DVI 1.0 specifications
- Outputs HDTV video resolutions from 480i to 1080p @ 60Hz
- Outputs computer resolutions up to WUXGA (see page 9 for list)
- OSD user interface (On Screen Display)
- Contrast, brightness, hue, saturation, sharpness & RGB level adjustments
- Separate digital and analog audio inputs and outputs
- HDMI digital audio embedded
- Locking power connector ensures system stability

2.0 CHECKING PACKAGE CONTENTS

Before connecting the 1385, please make certain the following items are in the shipping carton:

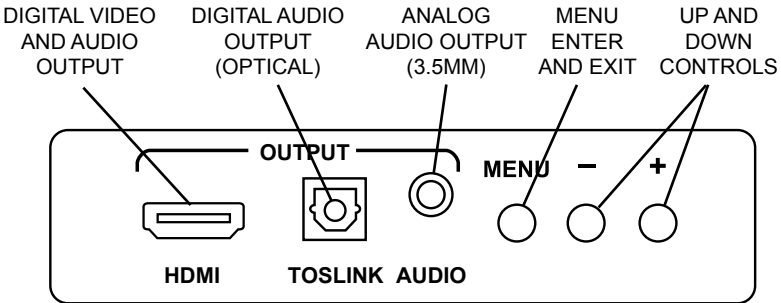
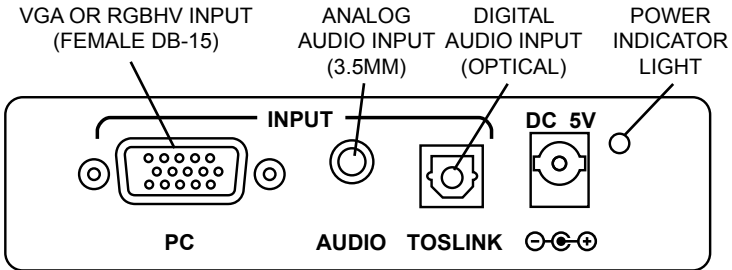
- 1385 Converter/Scaler
- 5V DC Power Adapter
- User Manual

Note: Please retain the original packing material in case you need to return the unit. If you find any items are missing, contact Audio Authority immediately. Have the model number and invoice available for reference when you call.

3.0 INSTALLATION

By default the 1385 automatically detects the resolution of the HDMI display device; however you can manually select a resolution using the OSD menu structure. See page 9 for a listing of supported resolutions. Leave the resolution in the “native” position on the OSD menu to enable automatic detection.

Please study the panel drawings below and become familiar with the signal inputs, outputs, operational controls and the location of the power connector.



4.0 CONNECTING THE HARDWARE

- Turn off the computer or other VGA source and the HDMI display.
- Connect the appropriate PC, HDMI and audio cables: first between the source PC and the 1385 and then between the 1385 and the display.
- Plug in the provided AC adapter: first to the 1385 and then to an active AC power source.
- Turn on the computer that is the video source and the HDMI TV or display device. (The 1385 has no power switch and begins to function as soon as the AC adapter has been connected.)

5.0 OPERATING THE UNIT

The 1385 is controlled via an On Screen Display (OSD) menu. Much of the operation of the scaler is done automatically however there may be an occasion where an adjustment is needed, particularly if the input signals are not provided at standard levels. Video parameters, output resolutions and type of audio output can be adjusted using the OSD.

1st Tier Option	2nd Tier Option	Adjustment
CONTRAST	-	0 ~ 100 of Contrast Level
BRIGHTNESS	-	0 ~ 100 of Brightness Level
FINETUNE	- HUE	0 ~ 100 of Hue Level
	- SATURATION	0 ~ 100 of Saturation Level
	- SHARPNESS	0 ~ 100 of Sharpness Level
	- EXIT	Back to 1st Tier
COLOR	- RED	0 ~ 100 of Red Color Level
	- GREEN	0 ~ 100 of Green Color Level
	- BLUE	0 ~ 100 of Blue Color Level
	- EXIT	Back to 1st Tier
SIZE	-	FULL / OVERSCAN / UNDERSCAN / LETTERBOX / PANSKAN
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	-	EAR PHONE / OPTICAL (Source selection)
OSD	- HPOSITION	0 ~ 100 of OSD Horizontal Position
	- VPOSITION	0 ~ 100 of OSD Vertical Position
	- TIMER	0 ~ 100 of OSD Existing Time (sec.)
	- TRANSP	0 ~ 100 of OSD Transparent Level
	- EXIT	Back to 1st Tier
INFORMATION	-	SOURCE (Input Interface) INPUT (Input Resolution) OUTPUT (Output Resolution) VERSION (Firmware Version)
EXIT	-	Close OSD Menu

The menu structure on the previous page shows a two-tier arrangement. Press the MENU button to enter the menu (1st tier). Use the + and – buttons to move up and down the 1st tier selections until you arrive at the one you wish to adjust. (Note that some of the first tier parameters have only one adjustment – e.g. BRIGHTNESS – others have several.)

When you have reached the parameter you wish to adjust, press the Menu button again to select that item. If there is more than one item in the second tier associated with the parameter, you can use the + and – buttons to make an adjustment. If there are more than one item associated with the parameter, use the + and – buttons to move to the item you wish to adjust, press the MENU button again to select that item and then use the + and – buttons to make the adjustment.

After making each adjustment, use the MENU button to save your selection and + and – buttons to navigate to the next adjustment or to EXIT (and save) your selections and leave the setup menu.

Reset Function

To reset the unit, press and hold the MENU button then plug the DC power into the unit. This will reset the unit to factory default.

6.0 TROUBLESHOOTING GUIDE

Poor image quality: see the previous section “Operating the Unit”.

No picture on the video display: check the following:

- Check the 1385 power LED, and make certain the AC adapter is plugged in to a working AC outlet.
- Check the HDMI cable at both connection points to see if the connectors have become loose.
- Inspect the cables for damage, and/or substitute a known good cable.
- Make certain you are using the highest quality, and the shortest length, VGA and HDMI cables possible.
- If power is present and the unit does not appear to operate, perform the Reset function described above.

If problems persist, contact the Audio Authority Technical Service department via email: support@audioauthority.com, or call 800-322-8346 or 859-233-4599.

7.0 SPECIFICATIONS

Video Input/Output	
PC RGB Video Input	1x via HD-15 connector
HDMI V1.2 Output	1x via type A connector
Video Performance	
Standards Compliance	HDMI v1.2, HDCP 1.1, DVI 1.0
PC/RGBHV Input Resolutions	VGA through WUXGA
HDMI Output Resolutions	480i, 576i, 480p, 576p, 720p, 1080i, 1080p
Video Adjustments	Contrast, brightness, hue, sharpness, saturation, RGB levels, aspect ratio
Audio Inputs/Outputs	
Analog Stereo Input	3.5mm Mini-Stereo Connector
Analog Stereo Output	3.5mm Mini-Stereo Connector
Digital Input	SPDIF via Toslink Connector
Digital Output	SPDIF via Toslink Connector
Audio Performance	
Analog Stereo Input Level	2Vrms max @ 47K Ω
Analog Stereo Output Level	Unity @ 47K Ω
Toslink Input/Output Level	Standard Toslink level
Analog Stereo Bandwidth	20Hz to 20 KHz
Mechanical	
Size (H-W-D)	25x102x145mm (1x4x5.7")
Weight (Net)	340g (12oz)
Warranty	
Limited Warranty	1 Year replacement
Environmental	
Operating Temperature	0° to +50°C (+32° to +122°F)
Operating Humidity	10% to 90%, non-condensing
Storage Temperature	-10° to +60° C (+14° to +140° F)
Storage Humidity	10% to 90%, non-condensing
Power Requirement	
External Power Supply	5VDC@2A
Regulatory Approvals	
Converter Unit	FCC, CE, RoHS
Power Supply	UL, CUL, CE, PSE, GS, RoHS
Accessories Included	User manual, AC power adapter

7.1 SUPPORTED RESOLUTIONS

INPUT			
	Resolution		Refresh Rate
PC	VGA	640x480	60, 72, 75, 85Hz
	SVGA	800x600	56, 60, 72, 75, 85Hz
	XGA	1024x768	60, 70, 75, 85Hz
	SXGA	1280x1024	60, 75, 85Hz
	UXGA	1600x1200	60Hz
	WXGA	1280x800	60Hz
	WSXGA	1680x1050	60Hz
	WUXGA	1920x1200	60Hz
OUTPUT			
	Resolution		Refresh Rate
PC	VGA	640x480	60Hz
	SVGA	800x600	60Hz
	XGA	1024x768	60Hz
	SXGA	1280x1024	60Hz
	SXGA+	1400x1050	60Hz
	UXGA	1600x1200	60Hz
	WXGA	1280x800	60Hz
	WXGA+	1440x900	60Hz
	WSXGA	1680x1050	60Hz
WUXGA	1920x1200	60Hz	
HDTV	480p	852x480	60Hz
	576p	852x576	50Hz
	720p	1280x720	50, 60Hz
	1080i	1920x1080 (i)	50, 60Hz
	1080p	1920x1080 (p)	50, 60Hz
SDTV	480i		60Hz
	576i		50Hz

8.0 LIMITED WARRANTY

If any consumer product from Audio Authority fails due to defects in materials or workmanship within one year from the date of the original sale to the end-user, Audio Authority guarantees that we will replace the defective product at no cost. Freight charges for the replacement unit will be paid by Audio Authority (ground service only). A copy of the invoice showing the item number and date of purchase (proof-of-purchase) must be submitted with the defective unit to constitute a valid in-warranty claim.

Units that fail after the warranty period has expired may be returned to the factory for repair at a nominal charge, if not damaged beyond the point of repair. All freight charges for out-of-warranty returns for repair are the responsibility of the customer. Units returned for repair must have a Return Authorization Number assigned by the factory.

This is a limited warranty and is not applicable for products which, in our opinion, have been damaged, altered, abused, misused, or improperly installed. Audio Authority makes no other warranties either expressed or implied, including limitation warranties as to merchantability or fitness for a particular purpose. Additionally, there are no allowances or credits available for service work or installation performed in the field by the end user.

8.1 WARRANTY SERVICE PROCEDURES

If you suspect a product defect, contact Audio Authority's Technical Service Department at 800-322-8346 or 859-233-4599 for assistance in verifying the problem. If a defect or potential defect is suspected, a replacement unit will be shipped immediately on a defect-exchange basis and a Return Authorization Number will be issued for the return of the defective product. Replacement units are sent out at the Manufacturer's Suggested Retail Price which is debited to the Customer's Credit Card at the time of shipment. Once we receive the defective unit back at the factory, it will be evaluated under the conditions of this warranty and if found to be in-warranty, a full credit will be issued to the Customer's Credit Card. Return freight charges for the defective unit are the customer's responsibility. Please contact our Technical Service Department for complete details concerning all in and out of warranty service matters.

We appreciate your confidence in our products and services and will always strive to meet or exceed your needs.

9.0 REGULATORY COMPLIANCE

The 1385 has been tested for compliance with CE and FCC rules and regulations. The Power Adaptor/Supply included has been tested for compliance with UL, CUL, CE, PSE, and GS regulations and guidelines. This product and its power supply are RoHS compliant.

10.0 CONTACT INFORMATION

If you have questions or require assistance with this product in areas not covered by this manual, please contact Audio Authority using the information below.

Audio Authority Technical Service
800-322-8346 M-F 8:30 AM to 5:00 PM, EST
International: 859-233-4599 Fax: 859-233-4510
Send email to: support@audioauthority.com

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