



Instruction Manual

***AVT-5841
Component Video
And Stereo Audio Switcher***

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1.0 INTRODUCTION

Thanks for purchasing this AVT-5841 4x1 Component Video and Analog/Digital Audio Switcher product from AV Toolbox. The AVT- 5841 is designed to provide high quality switching of up to four Video inputs with Stereo Audio. The unit will accept YPbPr Component Video plus Analog Stereo or Digital Stereo Audio. AV Toolbox offers a full line of high quality Standards Converters, Up-Converters, Scan Converters, Distribution Amplifiers, Routing Switchers, Time Base Correctors, PIP Display Devices, Quad Splitters and Video Conditioners. RF Modulators, Digital Audio Converters, LCD Monitors/Receivers and Multimedia Cables round out the product offerings.

1.1 Liability Statement

Every effort has been made to ensure that this product is free of errors. AV Toolbox 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 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.

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1.2 FEATURES

The AVT-5841 4x1 Component Video and Stereo Audio Switcher has many features that enable it to perform in a superior manner. Among those features you will find:

- Video Inputs: 4x YPbPr
- Video Outputs: 1x YPbPr
- Audio Inputs: 4x Analog and S/PDIF Digital
- Audio Outputs: 1x Analog and S/PDIF Digital
- HDTV Supported to 1080i (YPbPr)

2.0 SPECIFICATIONS

Number of Cross Points	
4x1	Component, Stereo Analog and Digital Audio
Cross Point Selection	Front Panel or Remote
HDTV Resolutions Supported	
YPbPr	480i, 480p, 576i, 576p, 720p, 1080i
Signal Capability	
Component	YPbPr, YCbCr (Note 1)
Analog Stereo Audio	Yes
Digital S/PDIF)	Yes
Video Input Connectors	
Component (YPbPr)	4x Sets of 3 ea RCA
Video Output Connectors	
Component (YPbPr)	1x Set of 3 ea RCA
Audio Input Connectors	
Analog Stereo Audio (R+L)	4x Sets of 2 ea RCA
Digital (S/PDIF)	4x Coaxial Connectors
Audio Output Connectors	
Analog Stereo Audio (R+L)	1x Set of 2 ea RCA
Digital (S/PDIF)	1x Coaxial
Control Methods	
Manual	Front Panel Mounted Push Button Switches
Remote	Via Included Infrared Remote
Temperature Range	
Operating Temperature	+32° to 122° F (0° to 50° C)
Storage Temperature	-4° to 158° F (-20° to 70° C)
Warranty	
Limited Warranty	1 Year, Parts and Labor
Power Requirements	
External AC Adaptor	9VDC/200ma US, UK or EURO AC Plug
Regulatory Approvals	
AVT-5841	FCC, CE
AC Power Adaptor	UL, CE, CUL
Accessories Included	1x AC Power Adapter 1x Infrared Remote Control 1x Instruction Manual
Note 1: Inputs and output must be the same format, either YPbPr or YCbCr.	

3.0 CHECKING PACKAGE CONTENTS

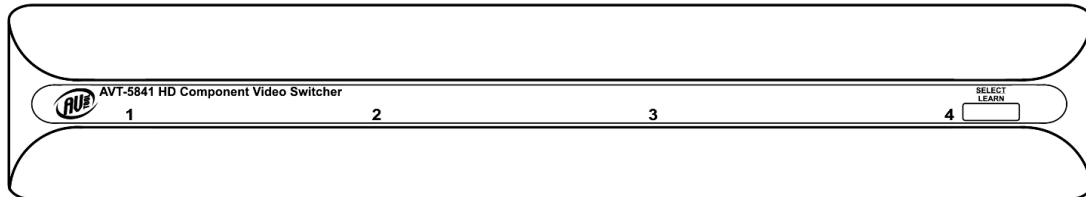
Before attempting to use this unit, please check the packaging and make certain the following items are contained in the shipping carton:

- 1x AVT-5841 4x1 Component Video/Audio Switcher
- 1x AC Power Adapter
- 1x Infrared Remote Control
- 1x Operations Manual

Note: Please retain the original packing material should the need ever arise to return the unit. If you find any items are missing, contact your reseller or AV Toolbox immediately. Have the Model Number, Serial Number and Invoice available for reference when you call.

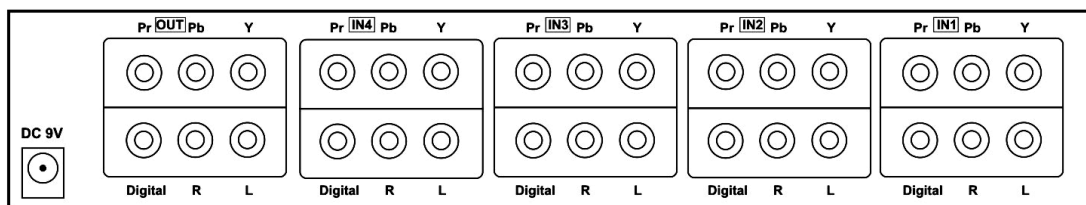
4.0 CONNECTING THE HARDWARE

Please study the drawings below and become familiar with the inputs, outputs and control locations on the AVT-5841.



AVT-5841 Front Panel

The front panel of the AVT-5841 contains the product's control switches. The operation of the switches and meaning of the LED indications will be explained below.



AVT-5841 Rear Panel

On the rear of the AVT-5841 you'll find the Power connector, Video in connectors, Stereo Audio connectors, Video out Connectors and Stereo out connectors. The four video and audio inputs are labeled and arranged in logical order from left to right. On the extreme right is the output grouping and the Power Connector.

5.0 OPERATING THE AVT-5841

Using high quality video cables you know to be good, connect Component video signals (YPbPr) to each of the four inputs. (YCbCr inputs are also supported.) Next, connect the output to your monitor or projector.

The next step is to connect the Stereo Audio inputs to each input. Connect either Analog Stereo Audio to the RCA connectors or connect Digital S/PDIF Audio to the coaxial connectors. Again, use only high quality, known good cables.

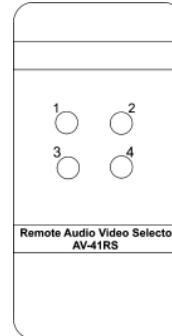
Lastly, connect the provided AC Adapter; first to the AVT-5841 and then to the AC power source.

5.1 Standard Operation

Press the button on the extreme right of the front panel to manually select the desired input. This button is called the SELECT/LEARN switch and the 'Learn' function will be explained in a moment.

5.2 Remote Control Operation

Using the included remote control, select the desired input. If appropriate input signals have been connected, you will see the selected input appear on your monitor or projector.



Note: there is no intervention by the AVT-5841 to determine if the selected signal is valid. The unit will route the selected input to the output even if there is no signal present or the selected signal is noisy. (The same is true for the Audio signals).

5.2 Using Another Remote Control Device

You can use a third party Infrared controller to cause the AVT-5841 to select an input. To do so, it will be necessary to 'teach' the AVT-5841 the association you wish to create between the third party remote and a particular input selection. (In other words, you will teach the AVT-5841 to switch to a particular device any time you use the remote control for that device.)

Press and hold the 'LEARN' button for > 4 seconds. The LED associated with Input 1 will flash. Press a button on the third party remote you wish to be associated with input 1 – for instance, if your DVD was connected to input 1, you would use the remote for your DVD player. The LED for input 1 will now go off and any time in the future you use your DVD remote, the AVT-5841 will automatically switch to the input for the DVD. Repeat the procedure with other remotes for the remaining three inputs if you wish to automatically select associated inputs for those inputs.

6.0 Troubleshooting

Make sure the AVT-5841 is connected to a known good monitor and the desired inputs are present. If one input image is acceptable but others are not, you should suspect faulty cables. Swap the cables to determine if the problem moves with the cable(s).

After trying the above suggestions should the problem still persist, contact your dealer for additional suggestions before contacting AV Toolbox's parent company, TV One. Please contact TV One via our support website: <http://tvone.crmdesk.com>. Create a technical support request on the site and our support team will respond within a short period of time.

7.0 LIMITED WARRANTY

LIMITED WARRANTY – With the exceptions noted in the next paragraph, AV Toolbox warrants the original purchaser that the equipment it manufactures or sells will be free from defects in materials and workmanship for a period of one year from the date of purchase. Should this product, in AV Toolbox's opinion, prove defective within this warranty period, AV Toolbox, at its option, will repair or replace this product without charge. Any defective parts replaced become the property of AV Toolbox. This warranty does not apply to those products which have been damaged due to accident, unauthorized alterations, improper repair, modifications, inadequate maintenance and care, or use in any manner for which the product was not originally intended.

Items integrated into AV Toolbox products that are made by other manufacturers, notably computer hard drives and liquid crystal display panels, are limited to the term of the warranty offered by the respective manufacturers. Such specific warranties are available upon request to AV Toolbox. If repairs are necessary under this warranty policy, the original purchaser must obtain a Return Authorization Number from AV Toolbox and return the product to a location designated by AV Toolbox, freight prepaid. After repairs are complete, the product will be returned, freight prepaid.

LIMITATIONS - All products sold are "as is" and the above Limited Warranty is in lieu of all other warranties for this product, expressed or implied, and is strictly limited to one year from the date of purchase. AV Toolbox assumes no liability to distributors, resellers or end-users or any third parties for any loss of use, revenue or profit.

AV Toolbox makes no other representation of warranty as to fitness for the purpose or merchantability or otherwise in respect of any of the products sold. The liability of AV Toolbox with respect to any defective products will be limited to the repair or replacement of such products. In no event shall AV Toolbox be responsible or liable for any damage arising from the use of such defective products whether such damages be direct, indirect, consequential or otherwise, and whether such damages are incurred by the reseller, end-user or any third party.

8.0 REGULATORY COMPLIANCE

The AVT-5841 has been tested for compliance with appropriate FCC and CE rules and regulations. The Power Adaptor/Supplies have been tested for compliance with appropriate UL, CUL, CE, PSE, GS Rules, Regulations and/or Guidelines. These Products and Power Adapters are RoHS Compliant.

9.0 CONTACT INFORMATION

Should you have questions or require assistance with this product in areas not covered by this manual, please contact TV One at the appropriate location.

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End of Manual