




## AV Toolbox

 POWER		<b>AVT-4915</b> <b>COMPONENT VIDEO - DIGITAL - STEREO AUDIO x5 DA</b>
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FC CE	Y/G	Pb/B	Pt/R	Y/G	Pb/B	Pt/R	Y/G	Pb/B	Pt/R	Y/G	Pb/B	Pt/R	Y/G	Pb/B	Pt/R	Y/G	Pb/B	Pt/R	DC INPUT 12V 500mA 
	R	L	Coaxial	R	L	Coaxial	R	L	Coaxial	R	L	Coaxial	R	L	Coaxial	R	L	Coaxial	
	OUTPUT 5			OUTPUT 4			OUTPUT 3			OUTPUT 2			OUTPUT 1			INPUT			

# Instruction Manual

**AVT-4915 Component Video -  
Digital & Stereo Audio x 5 DA**



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## **1.0 INTRODUCTION**

Thanks for purchasing this AVT-4915 Distribution Amplifier from AV Toolbox. The AVT-4915 is designed to provide up to five Component Video, Digital and Stereo Audio outputs that are identical to the inputs. Our Video conversion products have been serving the industry for many years. 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.

AV Toolbox 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. This statement does not affect the legal rights of the user in any way.

All third party trademarks and copyrights are recognised. The AV Toolbox Logo, TV One Logo, TV One-Task and CORIO are the registered Trademarks of TV One. All other trademarks are the property of their respective holders.

## **1.2 FEATURES**

The AVT-4915 Distribution Amplifier has many features that enable it to perform in a superior manner. Among those features you will find:

- Five Component Video Outputs
- YPbPr or YCbCr Video Output Formats
- Five Digital Audio Outputs
- Five Analog Stereo Audio Outputs
- AC to DC Adapter is included
- Metal Case for Superior Signal Protection

## **2.0 IMPORTANT SAFETY INSTRUCTIONS**

To insure the best from this product, please read this manual carefully. Keep it in a safe place for future reference.

To reduce the risk of electric shock, do not remove the cover from the unit. No user serviceable parts inside. Refer servicing to qualified personnel.

### **2.1 POWER AND CONNECTIONS**

This unit is not disconnected from the AC power source as long as it is connected to the wall outlet. The off state for this unit is called standby mode. In standby mode the unit is designed to consume a reduced quantity of power compared to normal operating modes.

When not using the unit for a long period of time, insure that the AC power cord is disconnected from the wall outlet.

The AC wall outlet should be installed near to the unit and be easily accessible.

Do not plug in or attempt to operate an obviously damaged unit.

### **2.2 WATER AND MOISTURE**

To reduce the risk of fire, do not expose the unit to rain, water or excessive moisture.

### **2.3 GENERAL CARE**

Do not force switches or external connections.

When moving the unit, disconnect the serial port connections first then the power cable and finally the interconnecting cables to other devices.

Do not attempt to clean the unit with chemical solvents or aerosol cleaners, as this may damage the unit. Use a clean dry cloth.

### **2.4 LOCATION**

Installation of this unit should be in a cool dry place, away from sources of excessive heat, vibration, dust, moisture and cold.

## **2.5 VENTILATION**

Slots and openings in the sides of the unit are provided for ventilation. To insure reliable operation, avoid obstruction of these openings and insure the unit is installed in a well-ventilated area.

## **3.0 INTELLECTUAL PROPERTY**

Some IC chips in this product include confidential and/or trade secret property. Therefore you may not copy, modify, adapt, translate, distribute, reverse engineer, reverse assemble, or decompile the contents thereof.

## **2.0 IMPORTANT: CONSIGNES DE SECURITE**

Afin de tirer le meilleur de ce produit, merci de lire attentivement ce manuel. Gardez-le dans un endroit sûr pour pouvoir le consulter à nouveau.

Afin de réduire le risque de choc électrique, ne retirez pas l'unité de sa protection.

Aucune pièce réparable par l'utilisateur à l'intérieur. Référez-vous à des personnes qualifiées.

### **2.1 ALIMENTATION ELECTRIQUE ET CONNEXIONS**

Cette unité n'est pas déconnectée de la source de courant électrique tant qu'elle est connectée à la prise murale. Le mode éteint de cette unité est appelé mode de veille. En mode de veille, cette unité est conçue pour consommer une quantité réduite de courant par rapport aux modes normaux d'utilisation.

Lorsque vous n'utilisez pas l'unité pendant une longue période, assurez-vous que le câble d'alimentation électrique est déconnecté de la prise murale.

La prise murale de courant doit être installée près de l'unité et aisément accessible.

Ne branchez pas et n'essayez pas d'utiliser une unité visiblement endommagée.

### **2.2 EAU ET HUMIDITE**

Afin de réduire le risque d'incendie n'exposez pas l'unité à la pluie, l'eau ou à une humidité excessive.

## **2.3 ENTRETIEN GENERAL**

Ne forcez pas les boutons ou connexions externes.

Lorsque vous déplacez l'unité, déconnectez d'abord les connexions de ports en série puis le câble d'alimentation et enfin les câbles de connexion avec d'autres appareils.

N'essayez pas de nettoyer l'unité avec des dissolvants chimiques ou des produits nettoyants en aérosol, car cela peut endommager l'unité. Utilisez un chiffon propre et sec.

## **2.4 EMPLACEMENT**

L'installation de cette unité doit se faire dans un endroit frais et sec, éloigné de sources excessives de chaleur, de vibrations, de poussière, d'humidité et de froid.

## **2.5 AERATION**

Les rainures et les ouvertures sur les cotés de l'unité servent à l'aérer. Pour permettre une utilisation sûre, évitez d'obstruer ces ouvertures et assurez-vous que l'unité est installée dans un endroit bien aéré.

## **3.0 PROPRIETE INTELLECTUELLE**

Certaines puces IC dans ce produit contiennent des éléments propriétaires confidentiels et/ou des secrets commerciaux. Vous ne devez donc pas copier, modifier, adapter, traduire, distribuer, démonter, désassembler, ou décomposer leur contenu.

## **2.0 INSTRUCCIONES IMPORTANTES DE SEGURIDAD**

Para sacar el mejor provecho de este producto, léase este manual con detenimiento. Guárdelo en un lugar seguro para poder hacerle referencia en el futuro.

Para reducir el riesgo de calambre, no quite la cubierta del aparato.

No hay piezas utilizables dentro. Remítase todo mantenimiento a personal cualificado.

## **2.1 CORRIENTE Y CONEXIONES**

Mientras esté conectada a una toma de electricidad, el aparato seguirá conectado a la fuente de corriente CA. A la posición de «off» de este aparato se le denomina posición de espera. En la posición de espera, el aparato está diseñado a consumir una cantidad reducida de electricidad en comparación con los modos de operación normales.

Asegúrese de desconectar el cable de corriente CA de la toma de la pared cuando no va a utilizar el aparato por un periodo largo de tiempo.

La toma CA de la pared ha de estar instalada cerca del aparato y debe ser fácilmente accesible.

No enchufe ni intente operar un aparato que esté evidentemente dañado.

## **2.2 AGUA Y HUMEDAD**

Para reducir el riesgo de incendio no exponga el aparato a la lluvia, el agua o la humedad excesiva.

## **2.3 CUIDADO GENERAL**

No forzar interruptores o conexiones externas.

Al mover el aparato, desconecte las conexiones del puerto en serie primero, luego el cable de electricidad y finalmente los cables interconectados a otros aparatos.

No intente limpiar el aparato con disolventes químicos o productos de limpieza aerosol, ya que podrían dañar el aparato. Utiliza un paño limpio y seco.

## **2.4 UBICACIÓN**

Este aparato se debe instalar en un lugar seco y fresco, lejos de fuentes de calor excesivas, la vibración, el polvo, la humedad y el frío.

## **2.5 VENTILACIÓN**

El aparato viene provisto de ranuras y agujeros en los lados para la ventilación.

Para asegurar una operación eficaz, se debe evitar la obstrucción de estos agujeros y también asegurar que el aparato se instale en una zona con adecuada ventilación.

### **3.0 PROPIEDAD INTELECTUAL**

Algunos chips con circuito integrado de este producto incluyen propiedad confidencial y/o propiedad de secreto comercial. Por lo tanto queda prohibido copiar, modificar, adaptar, traducir, distribuir, usar técnicas retroactivas, desmontar, o recopilar los contenidos del mismo.

### **2.0 WICHTIGE SICHERHEITSVORSCHRIFTEN**

Lesen Sie diese Bedienungsanleitung bitte sorgfältig, um Ihr Produkt optimal nutzen zu können, und bewahren Sie sie zum späteren Nachschlagen an einem sicheren Ort auf.

Entfernen Sie bitte keinesfalls die Abdeckung, um der Gefahr eines Stromschlags vorzubeugen.

Im Inneren des Geräts befinden sich keine Teile, die vom Benutzer gewartet werden können. Lassen Sie Wartungsarbeiten nur von Fachpersonal durchführen.

#### **2.1 STROMVERSORGUNG UND ANSCHLÜSSE**

Solange das Gerät mit einer Steckdose verbunden ist, bleibt die Stromversorgung aufrecht. Der Ausschaltzustand des Geräts wird als Standbymodus bezeichnet. Im Standbymodus verbraucht das Gerät weniger Strom als in den üblichen Betriebsarten.

Wird das Gerät über einen längeren Zeitraum hinweg nicht verwendet, ziehen Sie bitte das Stromkabel aus der Steckdose.

Die Steckdose sollte sich in der Nähe des Geräts befinden und leicht zugänglich sein.

Verbinden Sie ein offensichtlich beschädigtes Gerät keinesfalls mit einer Steckdose und versuchen Sie auch nicht, es zu bedienen.

#### **2.2 WASSER UND FEUCHTIGKEIT**

Setzen Sie das Gerät weder Regen, Wasser noch übermäßiger Feuchtigkeit aus, um der Gefahr eines Brandes vorzubeugen.

### **2.3 ALLGEMEINE PFLEGE**

Wenden Sie bei der Handhabung von Schaltern und Anschlüssen keine Gewalt an.

Beim Umstellen des Geräts entfernen Sie zuerst die seriellen Anschlüsse, dann das Stromkabel und zum Schluss die Verbindungskabel zu anderen Geräten.

Versuchen Sie keinesfalls, das Gerät mit chemischen Lösungsmitteln oder Sprayreinigern zu reinigen, da dies das Gerät beschädigen könnte. Verwenden Sie ein sauberes, trockenes Tuch.

### **2.4 AUFSTELLUNG**

Das Gerät sollte an einem kühlen, trockenen Ort aufgestellt werden, fern von übermäßiger Wärme, Vibrationen, Staub, Feuchtigkeit und Kälte.

### **2.5 BELÜFTUNG**

Seitliche Schlitze und Öffnungen sorgen für die Belüftung des Geräts. Um die ordnungsgemäße Belüftung zu gewährleisten, dürfen diese Öffnungen nicht verdeckt werden. Sorgen Sie außerdem dafür, dass das Gerät an einem gut belüfteten Ort aufgestellt wird.

### **3.0 GEWERBLICHES EIGENTUM**

Einige integrierte Schaltkreise in diesem Produkt enthalten vertrauliche

Informationen und/oder Betriebsgeheimnisse. Sie dürfen daher diese Inhalte nicht kopieren, modifizieren, adaptieren, übersetzen, verteilen, rückentwickeln, rückassemblieren oder dekompilieren.

### **2.0 BELANGRIJKE VEILIGHEIDSINSTRUCTIES**

Lees deze handleiding zorgvuldig door om het beste uit uw product te halen. Bewaar het op een veilige plek voor raadpleging in de toekomst.

Haal nooit het omhulsel van de eenheid af, dit om de kans op een elektrische schok te verminderen. Maak het apparaat nooit open: er bevinden zich geen door de gebruiker in te stellen onderdelen in het apparaat. Laat service en onderhoud over aan een gekwalificeerde technicus.

## **2.1 ELEKTRICITEIT EN AANSLUITING**

Deze eenheid is niet van de wisselstroom voedingsbron gescheiden wanneer de stekker nog in het stopcontact zit. Wanneer de eenheid uitstaat, staat deze nog in de stand-by modus. In de stand-by modus vergt de eenheid minder stroom dan in de normale "aan" modus.

Wanneer u de eenheid voor langere tijd niet gebruikt, zorg er dan voor dat de stekker van het wisselstroomsnoer uit het stopcontact is getrokken.

Het wisselstroom stopcontact moet dichtbij de eenheid geïnstalleerd worden en makkelijk toegankelijk zijn.

Als de eenheid duidelijk beschadigd is moet u deze nooit op het lichtnet aansluiten of bedienen.

## **2.2 WATER EN VOCHTIGHEID**

Zorg ervoor dat de eenheid niet aan regen, water of extreme vochtigheid wordt blootgesteld, dit om brand te voorkomen.

## **2.3 ALGEMEEN ONDERHOUD**

Forceer schakelaars of externe aansluitingen nooit.

Bij verplaatsing van de eenheid, de seriële poortaansluitingen eerst loskoppelen, dan de voedingskabel en als laatste de snoeren naar andere apparaten. Probeer de eenheid nooit met chemische oplosmiddelen of schoonmaakmiddelen in een spuitbus schoon te maken, omdat dit de eenheid kan beschadigen. Gebruik een schone droge doek.

## **2.4 PLAATSING**

Deze eenheid moet geïnstalleerd worden op een koele droge plaats, uit de buurt van bronnen van extreme hitte, vibraties, stof, vocht en kou.

## **2.5 VENTILATIE**

De sleuven en openingen aan de zijkant van de eenheid zijn voor ventilatie. Zorg er voor dat de eenheid op een goed geventileerde plek geïnstalleerd wordt zodat deze betrouwbaar werkt.

### **3.0 INTELLECTUEEL EIGENDOM**

Sommige IC chips in dit product bevatten vertrouwelijke informatie en/of fabrieksgeheimen. U mag daarom de inhoud hiervan niet kopiëren, wijzigen, aanpassen, vertalen, verspreiden, nabouwen, of decompileren.

## 4.0 SPECIFICATIONS

Video Input	Component Video, 75Ω on 3 RCA Connectors
Audio Input	Stereo R-L, 40KΩ on 2 RCA Connectors plus 1 Coaxial Audio Input
Video Outputs	5x Component Video, 75Ω on 3 RCA Connectors
Audio Outputs	5x Stereo R-L 40KΩ on 2 RCA Connectors plus 5 Coaxial Audio Outputs
Video Bandwidth	>150Mhz, +/-3 dB
Video Distortion	<0.2 dB
Audio Bandwidth	>20Hz to 60KHz, +/-0.1 dB
Audio Distortion	<0.1 dB
Channel Isolation	>60 dB
Signal to Noise Ratio	>60 dB
Power Consumption	+12VDC @ 500 mA
Power Source	AC to DC Adapter

## 5.0 CHECKING PACKAGE CONTENTS

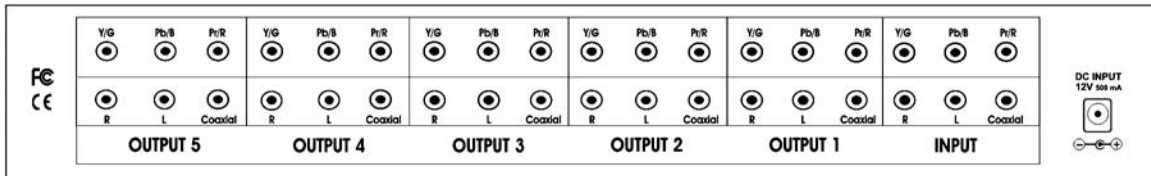
Before attempting to use this unit, please check the packaging and make certain the following items are contained in the shipping carton:

- AVT-4915 Distribution Amplifier
- 115 VAC to +12 VDC Power Adapter
- Operation 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.

## 6.0 CONNECTING THE HARDWARE

Please study the panel drawings below and become familiar with the signal input, outputs, power requirements plus any controls present.



Before using the AVT-4915, please take the time to make certain that the device you wish to connect to its inputs is functioning properly in all respects. Verify that the video and audio signals are present and are being displayed properly on a suitable device.

If all is well, connect the appropriate cables between the output of the device you wish to distribute to multiple locations and the AVT-4915. Next, connect the cables from the output(s) of the AVT-4915 to the various devices you wish to feed a signal to. Lastly, connect the AC to DC adapter; connect the DC connector to the AVT-4915 first and then plug the adapter into a functional AC outlet.

## **7.0 OPERATING THE UNIT**

Once you have connected the AVT-4915 as described above, you must be certain that the inputs are being fed appropriate signals and are not suffering from signal loss due to cabling problems or problems with the source device.

If the input signals to the AVT-4915 are appropriate, switch the power switch to "ON" and you should see and hear the signals on the devices you have connected to the various output connectors of the AVT-4915.

## 8.0 TROUBLESHOOTING

If you experience a 'no signal' condition with the AVT-4915's outputs, first make certain that the signal being fed to its inputs is acceptable.

Disconnect the cables from the AVT-4915's inputs and connect them directly to an appropriate monitoring device. If you do not see or hear a signal the problem may well be the signal source itself. Also check that the AC outlet you have used to power the AVT-4915 is actually providing power as a wall switch often controls an AC outlet.

The second most common problem with the AVT-4915 revolves around the cables. Inspect the cables for loose connectors or cable damage such as crushed cables or cables with cuts or nicks. Replace any cable exhibiting these problems.

You also must use the highest quality cables if you want to achieve the best results. Poor quality cables will cause poor quality signals.

After trying the above suggestions should the problem still persist, contact your dealer for additional suggestions before contacting AV Toolbox. Should the dealer's technical personnel be unable to assist you, contact AV Toolbox via our parent company's 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.

## **9.0 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 two years 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.

## **10.0 REGULATORY COMPLIANCE**

This product complies with the relevant standards for CE and FCC approval.

The Power Adaptor/Supply has been tested for compliance with: UL, CSA and CE standards.

## **11.0 CONTACT INFORMATION**

Should you have questions or require assistance with this product in areas not covered by this manual, please contact us at the location shown below:

AV Toolbox  
1350 Jamike Drive  
Erlanger, Ky, 41018  
859.282.7303



***AV Toolbox  
1350 Jamike Drive  
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