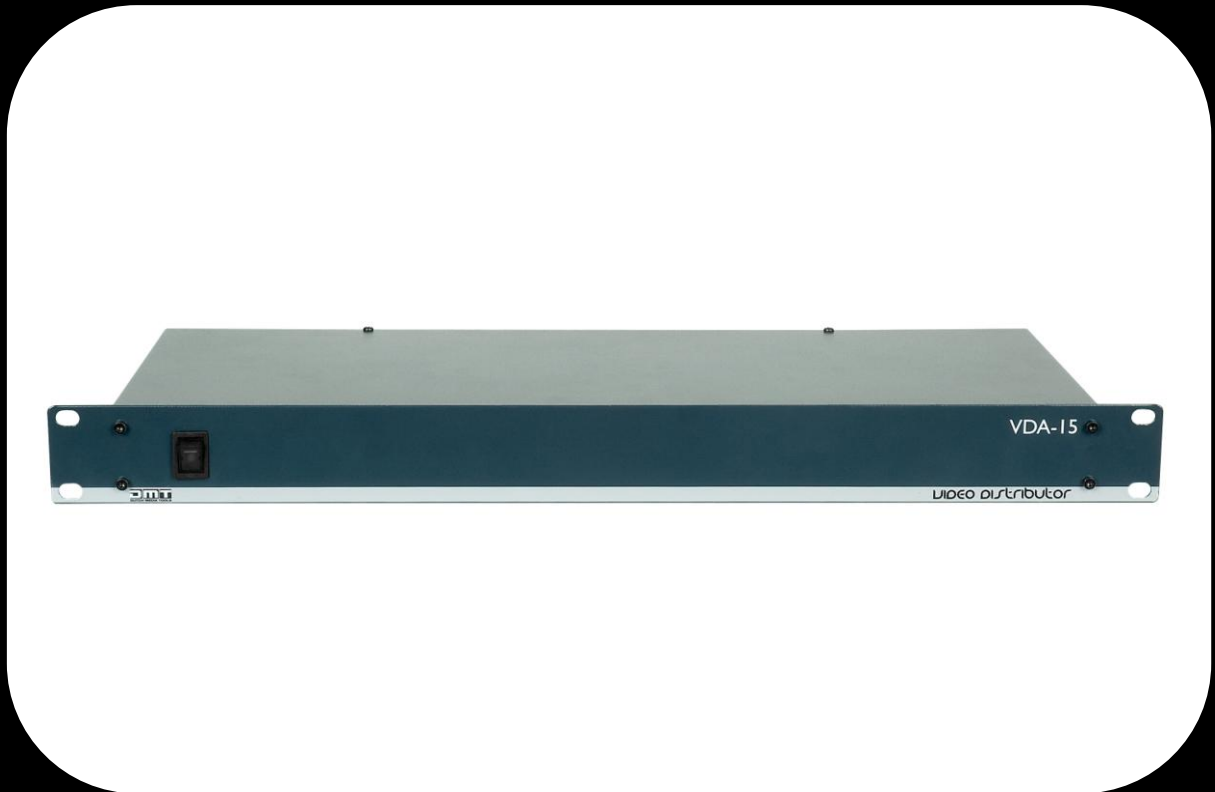




VDA-15

ORDERCODE 101202



SHOWELECTRONICS FOR PROFESSIONALS

Congratulations!

You have bought a great, innovative product from DMT.

The DMT Media Spinner brings excitement to any venue. Whether you want simple plug-&-play action or a sophisticated DMX show, this product provides the effect you need.

You can rely on DMT, for more excellent lighting products.

We design and manufacture professional light equipment for the entertainment industry.

New products are being launched regularly. We work hard to keep you, our customer, satisfied.

For more information: www.DutchMediaTools.info

You can get some of the best quality, best priced products on the market from DMT.

So next time, turn to DMT for more great lighting equipment.

Always get the best -- with DMT !

Thank you!



DMT VDA-15™ Product Guide

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WARNING

**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY
BEFORE YOUR INITIAL START-UP!**

Unpacking Instructions

Immediately upon receiving this product, carefully unpack the carton and check the contents to ensure that all parts are present, and have been received in good condition. Notify the dealer immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

Your shipment includes:

- VDA-15
- Power Cable – 2m
- User manual

 **CAUTION!** 
Keep this system away from rain and moisture!

SAFETY INSTRUCTIONS

Every person involved with the installation, operation and maintenance of this system has to:

- be qualified
- follow the instructions of this manual

 **CAUTION! Be careful with your operations.** 
**With a dangerous voltage you can suffer
a dangerous electric shock when touching the wires!**

Before you initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the system.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Please consider that damages caused by manual modifications to the system are not subject to warranty.

This system contains no user-serviceable parts. Refer servicing to qualified technicians only.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the system.

- Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the unit.
- Never use anything to cover the ground contact.
- Do not connect this system to a dimmerpack.

- Do not switch the system on and off in short intervals, as this would reduce the system's life.
- Do not open the device and do not modify the device.
- Only use system indoor, avoid contact with water or other liquids.
- Avoid flames and do not put close to flammable liquids or gases.
- Always disconnect power from the mains, when system is not used. Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.
- Make sure you don't use the wrong kind of cables or defective cables.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power-cord is never crimped or damaged. Check the system and the power-cord from time to time.
- If you connect other parts of the system, be careful of ground loops.
- Please read this manual carefully and keep it for future reference. Remember that the amplifier has a better value on the market, if you save the carton and all packing materials.
- Always operate the unit with the AC ground wire connected to the electrical system ground.
- Do not drive the inputs with a signal level bigger, than required to drive the equipment to full output.
- Please turn off the power switch, when changing the power cord or signal cable.
- If your Dap Audio device fails to work properly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Dap Audio dealer for service.
- Allow time to cool down, before cleaning or servicing.
- For replacement use fuses of same type and rating only.
- Prevent distortion! Make sure that all components connected to the device have sufficient power ratings. Otherwise distortion will be generated because the components are operated at their limits.
- Avoid ground loops! Always be sure to connect the power amps and the mixing console to the same electrical circuit to ensure the same phase!
- If system is dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the system has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your system. Leave the system switched off until it has reached room temperature.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- Repairs, servicing and electric connection must be carried out by a qualified technician.

OPERATING DETERMINATIONS

This system is not designed for permanent operation. Consistent operation breaks will ensure that the system will serve you for a long time without defects.


If this system is operated in any other way, than the one described in this manual, the product may suffer damages and the warranty becomes void.
Any other operation may lead to dangers like short-circuit, burns, electric shock, etc.

You endanger your own safety and the safety of others!

Improper installation can cause serious damage to people and property !

Connection with the mains

Connect the device to the mains with the power-plug.
Always pay attention, that the right color cable is connected to the right place.

International	EU (including UK) From April 2004	North America	Pin
L	Brown	Black	Phase
N	Blue	White	Neutral
	Green/Yellow	Green	Protective Earth

Make sure that the device is always connected properly to the earth!

Return Procedure

Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. Package must be clearly labeled with a Return Authorization Number (RMA number). Products returned without an RMA number will be refused. Highlite will not accept the returned goods or any responsibility. Call Highlite 0031-455667723 or mail aftersales@highlite.nl and request an RMA prior to shipping the fixture. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to properly pack fixture, any shipping damage resulting from inadequate packaging is the customer's responsibility. Highlite reserves the right to use its own discretion to repair or replace product(s). As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

Note: If you are given an RMA number, please include the following information on a piece of paper inside the box:

- 1) Your name
- 2) Your address
- 3) Your phone number
- 4) A brief description of the symptoms

Claims

The client has the obligation to check the delivered goods immediately upon delivery for any shortcomings and/or visible defects, or perform this check after our announcement that the goods are at their disposal. Damage incurred in shipping is the responsibility of the shipper; therefore the damage must be reported to the carrier upon receipt of merchandise.

It is the customer's responsibility to notify and submit claims with the shipper in the event that a fixture is damaged due to shipping. Transportation damage has to be reported to us within one day after receipt of the delivery.

Any return shipment has to be made post-paid at all times. Return shipments must be accompanied with a letter defining the reason for return shipment. Non-prepaid return shipments will be refused, unless otherwise agreed in writing.

Complaints against us must be made known in writing or by fax within 10 working days after receipt of the invoice. After this period complaints will not be handled anymore.

Complaints will only then be considered if the client has so far complied with all parts of the agreement, regardless of the agreement of which the obligation is resulting.

Description of the device

Features

The VDA-15 is a 1:5 Video/Audio Distributor. The VDA-15 is designed for the AV-studio or multimedia use where high quality is required for distributing signals over longer distances. Outputs are independent from each other. This way, overloading or even shorting one output will have no influence on the other outputs performance.

When combining 3 units, audio can be distributed in 5.1 surround while video can be distributed in RGB of YUV thus enabling the highest AV-quality available.

- Video and audio distribution amplifier
- 1 input, 1 loop output - 5 outputs



Fig. 1

Frontpanel



Fig. 2

1. Power on switch.

This is the main Power switch. Press to turn the amplifier on.

Backpanel

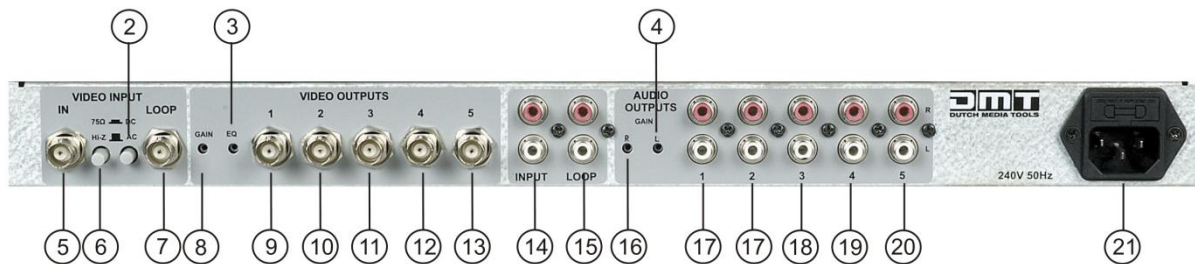


Fig. 3

2. DC/AC switch.

The DC/AC button controls the video input coupling. Pressing the DC button causes the video signal input (as well as output) to be fully DC coupled. For example, the output signal follows the DC offset, if it exists, and the button is released, the video input becomes AC coupled, removing the DC offset from the input signal. To achieve the best linearity and signal fidelity, the signals should be DC coupled. If input signals ride on a large DC offset (sometimes caused by the video source), release the DC button to remove the DC offset.

3. Video EQ trimmer.

Use this trimmer to adjust the video EQ.

4. Audio L gain trimmer.

Use this trimmer to adjust the Left audio level if necessary.

5. Video in BNC connector.

Connect to the output of your video source.

6. Lo/Hi Impedance switch.

When using a VDA-15 standalone, select "Lo" (75Ω). If you want to loop several units using the **Video Loop (7)** connector, select "Hi" for each unit connected to a video loop output.

7. Video Loop BNC connector.

Connect this output to the input of another VDA-15 if you need more than five video outputs. Make sure that the **Impedance switch (6)** of the VDA-15 connected to the video Loop connector is set to "Hi".

8. Video gain trimmer.

Use this trimmer to adjust the video gain.

9. Video out 1 BNC connector.

Connect to the input of a video device.

10. Video out 2 BNC connector.

Connect to the input of a video device.

11. Video out 3 BNC connector.

Connect to the input of a video device.

12. Video out 4 BNC connector.

Connect to the input of a video device.

13. Video out 5 BNC connector.

Connect to the input of a video device.

14. Audio stereo in RCA connector.

Connect to the output of your audio source.

15. Audio loop out RCA connector.

Connect these outputs to the inputs of another VDA-15 if you need more than five stereo outputs.

16. Audio R gain trimmer.

Use this trimmer to adjust the Left audio level if necessary.

17. Audio stereo 1 out RCA connector.

Connect this output to a line level audio input.

18. Audio stereo 2 out RCA connector.

Connect this output to a line level audio input.

19. Audio stereo 3 out RCA connector.

Connect this output to a line level audio input.

20. Audio stereo 4 out RCA connector.

Connect this output to a line level audio input.

21. Audio stereo 5 out RCA connector.

Connect this output to a line level audio input.

22. IEC Power Inlet and Fuse.

This connector is meant for the connection of the supplied main cord. Connect one end of the power cord to the connector, the other end to the mains, then turn on the **power switch (2)** to operate the unit.

Note: Please make sure that the supply voltage matches the operation voltage before connecting the unit to mains. Replace the fuse only with a fuse of same specification (T500mA).

Installation

Remove all packing materials from the Antenna Distributer. Check that all foam and plastic padding is removed.

**Always disconnect from electric mains power supply before cleaning or servicing.
Damages caused by non-observance are not subject to warranty.**

Set Up and Operation

Before plugging the unit in, always make sure that the power supply matches the product specification voltage. Do not attempt to operate a 120V specification product on 230V power, or vice versa.

Setup example

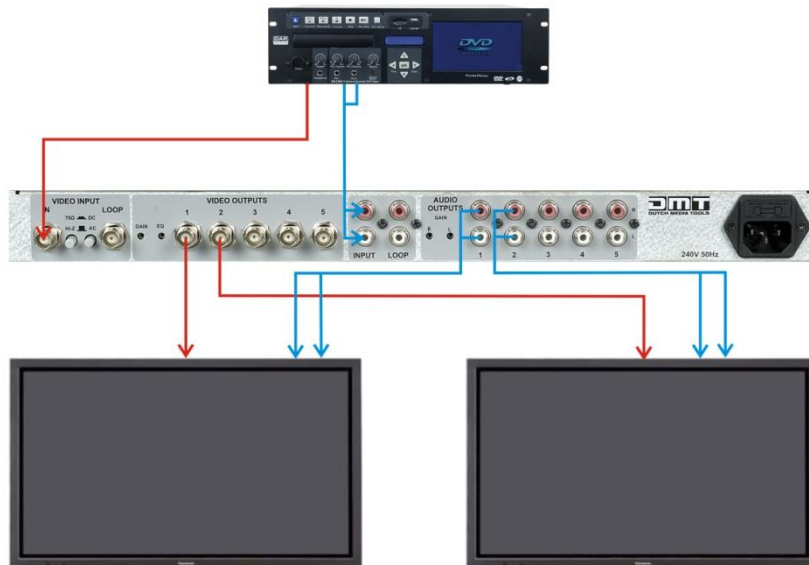


Fig. 4

Maintenance

The DMT VDA-15 requires almost no maintenance. However, you should keep the unit clean.

Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Do not use alcohol or solvents.

Keep connections clean. Disconnect electric power, and then wipe the connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

Replacing a Fuse

Power surges, short-circuit or inappropriate electrical power supply may cause a fuse to burn out. If the fuse burns out, the product will not function whatsoever. If this happens, follow the directions below to do so.

1. Unplug the unit from the electric power source.
2. Insert a flat-head screwdriver into a slot in the fuse cover. Gently pry up the fuse cover. The fuse will come out.
3. Remove the broken fuse. If brown or unclear, it is burned out.
4. Insert the replacement fuse into the holder where the old fuse was. Reinsert the fuse cover.
Be sure to use a fuse of the same type and specification. See the product specification label for details.

Troubleshooting

DMT VDA-15

This troubleshooting guide is meant to help solve simple problems. If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.

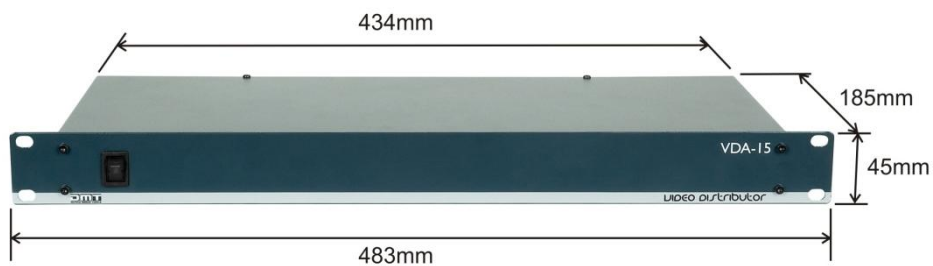
1. If the device does not operate properly, unplug the device.
2. Check power from the wall, all cables, connections, etc.
3. If all of the above appears to be O.K., plug the unit in again.
4. If nothing happens after 30 seconds, unplug the device.
5. Return the device to your DMT dealer.

Product Specification

Video distribution amplifier: 1 in: 1 loop: 5 out
Input Impedance: High-Z / 75 Ohm switchable
Coupling: AC / DC switchable
Connector: BNC
Video gain: adjustable
Bandwidth: -3 dB at 300 MHz

Audio distribution amplifier: 1 in: 1 loop: 5 out
Gain: adjustable
Connector: RCA/Cinch
S/N ratio: >80 dB

Power supply: 230 VAC +/- 10%
Fuse: T500mA
Dimensions: 483 x 200 x 45 mm (LxWxH)
Weight: 2,8 kg



Design and product specifications are subject to change without prior notice.



Website: www.DutchMediaTools.info
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DUTCH MEDIA TOOLS

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