



HS-VA800 Eight Channel Video Amplifier

Installation Instructions

Introduction

The HS-VA800 is a 1 x 8 Amplified Video Module for use with the DSC Concourse Home Systems wiring solution. The HS-VA800 features one ANT/CATV input and eight amplified outputs for multi-room video signal distribution. All connectors use "F" style fittings. This module can be installed in any of the Concourse Home Systems cabinets using the supplied mounting hardware.

Contents of Package

Before installing the module, confirm that the package contains the following parts:

- one HS-VA800 Video Amplifier Module on a mounting plate
- one power supply.

Installation Instructions

1. Locate a suitable mounting location for the HS-VA800 inside the cabinet.
2. Align the two mounting tabs with the holes in the wire raceway and insert as per Figure A.
3. Snap the module into place by pushing the opposite side towards the back of the cabinet.

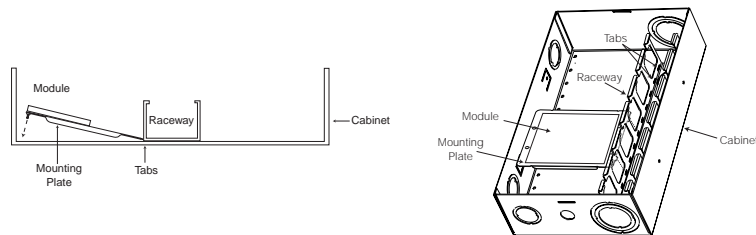


Figure A

Wiring Instructions

A. Incoming Service Cable

1. Route the incoming service cable into the cabinet through the raceway to the HS-VA800 Video Amplifier Module. Allow sufficient length at both ends of the run to avoid stress and for proper termination and trim out.
2. Attach a standard "F" style connector to the incoming service cable. Connect terminated incoming service cable at the terminal marked "INPUT". See Figure B.
3. Test all connections to confirm proper installation and termination.

B. Outlet Cables

1. Home run RG6 coax cable to each desired location and route the cables into the cabinet through the raceway to the HS-VA800 Video Amplifier module. Allow sufficient length at both ends of the run to avoid stress and for proper termination and trim out. Label each cable at both ends for easier identification.
2. Terminate each RG6 drop at the desired location using an "F" style connector. Attach the connector to an "F" style jack and trim out using the appropriate wall plate. If using a multiple wall outlet mark the jack accordingly.
3. Terminate each RG6 drop at the HS-VA800 Video Amplifier module using a standard "F" style connector. Connect the terminated drops to the terminals marked "OUTPUTS". See Figure B.
4. Terminate any unused output terminals with a 75 Ohm terminator (not supplied).
5. Locate a suitable 110V_{AC} receptacle for placement of the wall-mount transformer. If necessary, have a qualified electrician install a 110V_{AC} receptacle close to the panel.
6. Using RG-6 coax cable, route a link from the power supply at the 110V_{AC} receptacle into the cabinet to the HS-VA800. Allow sufficient length at both ends of the run to avoid stress and for proper termination.
7. Terminate each end of the coax cable using a standard "F" style connector. Attach to the HS-VA800 terminal marked 'PWR - IN' and the other end to the power supply.
8. Plug in the power supply and test all connections to confirm proper installation and termination.

Note: All cable bends should have a minimum 2" radius in the coax cable installation.

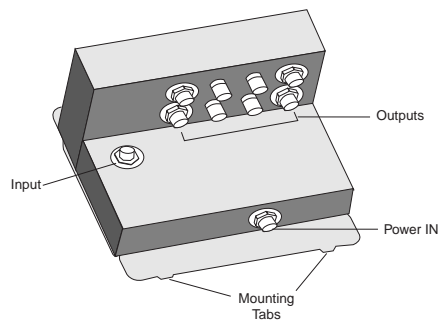


Figure B



Specifications

Bandwidth (Return Path):	5 - 42 MHz
Bandwidth (Forward Path):	54MHz - 1GHz
Gain (Return Path):	0 dB
Gain (Forward Path):	9dB +/- 1 dB
Flatness Passband:	+/- 1 dB
Return Loss:	16 dB
Noise Figure:	3 dB
RFI Shielding:	125 dB
Dist. X-Mod:	-65 dB
CTB:	-60 dB
Maximum Output:	+30 dBmV
Maximum Input:	+5 dB
Power Requirements:	110V _{AC} /6W
Transformer (supplied):	12V _{DC} /50mA
Channel Capacity:	151



Warranty

Digital Security Controls Ltd. warrants that for a period of 12 months from the date of purchase, the product shall be free of defects in materials and workmanship under normal use and that in fulfillment of any breach of such warranty, Digital Security Controls Ltd. shall, at its option, repair or replace the defective equipment upon return of the equipment to its repair depot. This warranty applies only to defects in parts and workmanship and not to damage incurred in shipping or handling, or damage due to causes beyond the control of Digital Security Controls Ltd. such as lightning, excessive voltage, mechanical shock, water damage, or damage arising out of abuse, alteration or improper application of the equipment.

The foregoing warranty shall apply only to the original buyer, and is and shall be in lieu of any and all other warranties, whether expressed or implied and of all other obligations or liabilities on the part of Digital Security Controls Ltd. Digital Security Controls Ltd. neither assumes, nor authorizes any other person purporting to act on its behalf to modify or to change this warranty, nor to assume for it any other warranty or liability concerning this product.

In no event shall Digital Security Controls Ltd. be liable for any direct, indirect or consequential damages, loss of anticipated profits, loss of time or any other losses incurred by the buyer in connection with the purchase, installation or operation or failure of this product.

Motion detectors can only detect motion within the designated areas as shown in their respective installation instructions. They cannot discriminate between intruders and intended occupants. Motion detectors do not provide volumetric area protection. They have multiple beams of detection and motion can only be detected in unobstructed areas covered by these beams. They cannot detect motion which occurs behind walls, ceilings, floor, closed doors, glass partitions, glass doors or windows. Any type of tampering whether intentional or unintentional such as masking, painting, or spraying of any material on the lenses, mirrors, windows or any other part of the detection system will impair its proper operation.

Passive infrared motion detectors operate by sensing changes in temperature. However their effectiveness can be reduced when the ambient temperature rises near or above body temperature or if there are intentional or unintentional sources of heat in or near the detection area. Some of these heat sources could be heaters, radiators, stoves, barbeques, fireplaces, sunlight, steam vents, lighting and so on.

WARNING: Digital Security Controls Ltd. recommends that the entire system be completely tested on a regular basis. However, despite frequent testing, and due to, but not limited to, criminal tampering or electrical disruption, it is possible for this product to fail to perform as expected.

IMPORTANT INFORMATION: Changes or modifications not expressly approved by Digital Security Controls Ltd. could void the user's authority to operate this equipment.

