

## FCC COMPLIANCE STATEMENT

**CAUTION:** Changes or modifications not expressly approved by Digital Security Controls Ltd. could void your authority to use this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Re-orient the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/television technician for help.

The user may find the following booklet prepared by the FCC useful: "How to Identify and Resolve Radio/Television Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington D.C. 20402, Stock # 004-000-00345-4.

## 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.

**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.



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Toronto, Canada

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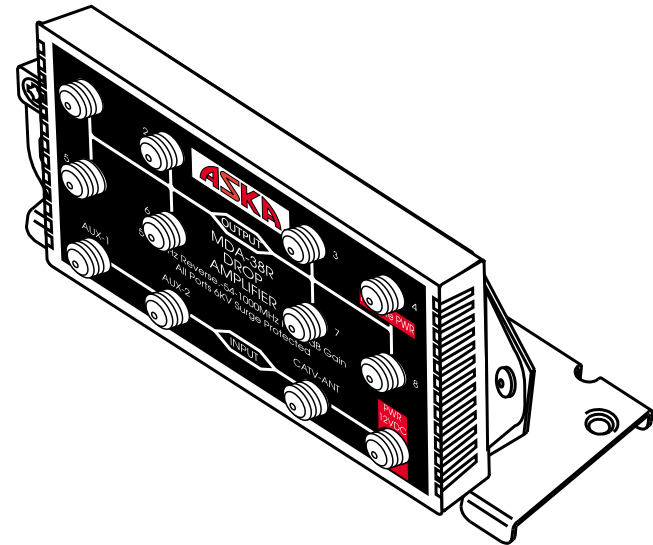
# HS-VA3800 3x8 Video Amplifier

## Installation Instructions

### Introduction

The HS-VA3800 3x8 Video Amplifier module provides amplification and splitting of 3 Video inputs to 8 video outputs. A return path is provided for the use of broad band modems. This module can be installed in Concourse Home Systems cabinets (HS-CAB1000, HS-CAB3000 and HS-CAB4000) using the supplied mounting hardware.

Figure 1, HS-VA3800 Video Amplifier/Combiner



### Specifications

Connector & impedance	F-type, 75 ohms
Input Capability:	117dBuV at 1dB compression
Frequency Range:	Forward Path 54- 1000MHz Reverse Path 5-42MHz
Number of ports:	Inputs - 3, Outputs - 8
Forward gain (dB Max):	CATV/ANT IN + 4dB, AUX IN +2dB
Return Path Loss (dBMax):	12 dB

### Contents of Package

Before installing this module, verify that the package contains the following:

- Qty (1)...ASKA MDA38R Drop Amplifier
- Qty (1)...Video Combiner bracket
- Qty (1)...Power Supply 12Vdc, 300mA
- Qty (2)...Hardware pack containing two ½" phillips flathead screws
- Qty (1)...Installation Instructions

## Installation - Module

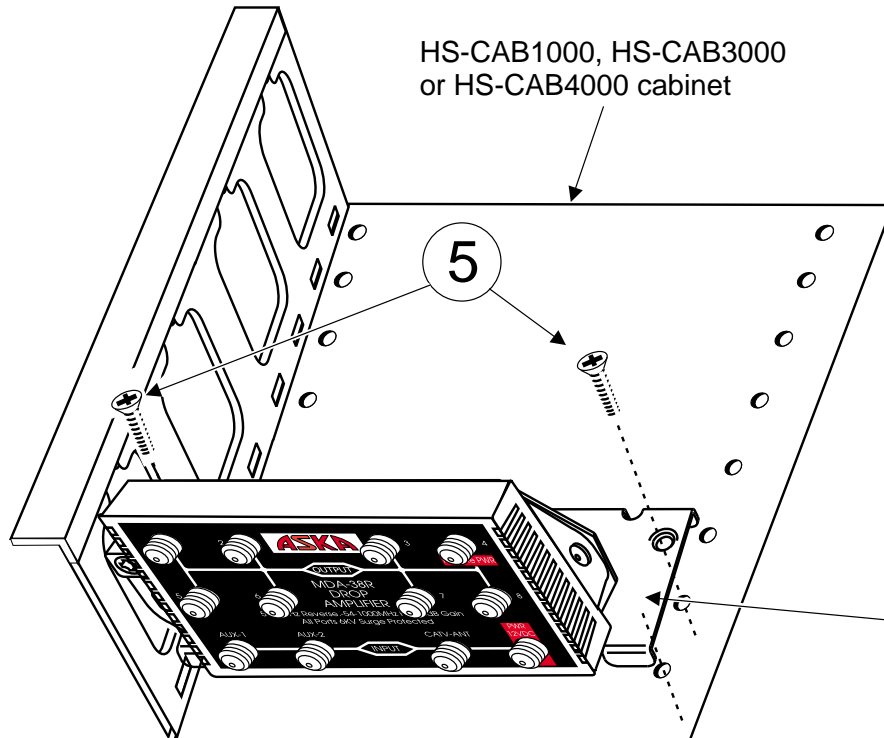
1. Locate a suitable mounting location for the HS-VA3800 Video Amplifier/Combiner inside the cabinet. Note that the unit can be installed in various positions, the F-type connectors may face the top or the bottom of the cabinet.
2. Mount MDA-38R Drop Amplifier on video combiner bracket using the 2 self-tapping sheet metal screws provided.
3. Align the two mounting pins with the holes in the back of the cabinet and insert as indicated in figure 2.
4. Snap the module in place by pressing both sides towards the back of the cabinet.
5. Secure the metal bracket to the cabinet using the two screws provided.

## Installation - Wiring

The following requirements for installation of coaxial cable must be met for proper operation of connected equipment.

- Do **NOT** strip off cable sheathing more than required for proper termination.
- Do **NOT** kink or knot cable.
- Do **NOT** crush cable with cable ties.
- Do **NOT** splice cable.
- Do **NOT** bend cable at right angles or make any other sharp bends. All cable bends must have a minimum of a 2" radius.

Figure 2, Installation



## Installation - Wiring (Contd.)

1. Run RG6 coaxial cable from each source/destination through the cabinet raceway to the HS-VA3800 Amplifier module. Label cables at both ends for identification. Terminate cables with "F" style connectors.

**Note:** Ensure that cable source/destinations are "F" style jacks mounted in an appropriate wall plate. If using a multiple wall outlet then label the jacks accordingly.

2. Connect source/destination ends of the cables to the "F" style jacks. Connect the terminated drops to the HS-VA3800 Video Amplifier module terminals labelled "**OUTPUTS**".
3. Terminate unused output terminals on the HS-VA3800 Video Amplifier module with 75 ohm terminators (not supplied).
4. Locate a suitable 110VAC receptacle for placement of the wall-mount transformer. If necessary have a qualified electrician install a 110VAC receptacle close to the panel.
5. Route RG6 coaxial cable from the power supply at the 110 VAC receptacle into the cabinet to the HS-VA3800 Video Amplifier module.
6. Terminate each end of the coaxial cable using a standard "F" style connector. Connect the cable to the HS-VA3800 Video Amplifier module terminal labelled '**PWR - IN**' and to the power supply.
7. Plug in the power supply and test all connections to confirm proper installation and termination.

