



INSTALLATION MANUAL

ST-VDABNC-4X2

4 Inputs with 4x2 Outputs

Video Distribution Amplifier



PACKAGE CONTENTS

This package contains:

- One ST-VDABNC-4X2 video distribution amplifier.
- One 12VDC 500mA power supply.
- One installation manual.

PRODUCT DESCRIPTION

The ST-VDABNC-4X2 is a four input video distribution amplifier with four sets of 1x2 split outputs, essentially four 1x2 amplified video splitters in one housing. This unit has four potentiometers for synchronizing gain (brightness), equalization and sharpness. The unit's low pass filtering, broadcast distribution quality and ground loop isolation circuits have been professionally designed for CCTV video signal amplification, transmission and video distribution applications requiring high performance video signal carriage over coaxial cable.

SPECIFICATIONS

ST-VDABNC-4X2

Specifications (Typical)

1. Bandwidth	250MHz @-3dB
2. Input/Output Impedance	75Ω
3. I/O Video Signal Range	±0.5V to ±2Vp-p
4. CMRR	>68dB
5. Return Loss	22dB
6. Flat Gain	6dB @1K – 1MHz 7.8dB @1.5M – 5.8MHz
7. Differential Gain	1% @3.58MHz
8. Differential Phase	1° @3.58MHz
9. Transmission Distance	Up to 4,000 feet using high quality 75Ω coaxial cable
9. Power	110VAC / 50 – 60Hz to 12VDC @500mA
10. Power Dissipation	1.5W/2.0W
11. Working Temperature	-4°F – 149°F
12. Dimensions	6.25"W x 3.75"D x 1.5"H

INSTALLATION AND OPERATION



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions.



This symbol is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electrical shock.

CAUTION: To reduce the risk of electrical shock do not remove the cover or back of this unit. No user serviceable parts are inside.

CAUTION: To prevent electric shocks and risk of fire hazards, do not use other than specified power source.

1. UNPACKING and HANDLING

Each unit is shipped assembled and factory tested.

Ensure that all accessories are removed from the container before discarding packing material

2. MECHANICAL INSPECTION

Inspect the front and rear of the equipment for shipping damage. Make sure the equipment is clean, and no connectors are broken, damaged, or loose. If equipment appears to be damaged or defective please contact your distributor or SecurityTronix at 1-610-429-1511 for assistance.

3. SPECIAL ATTENTION

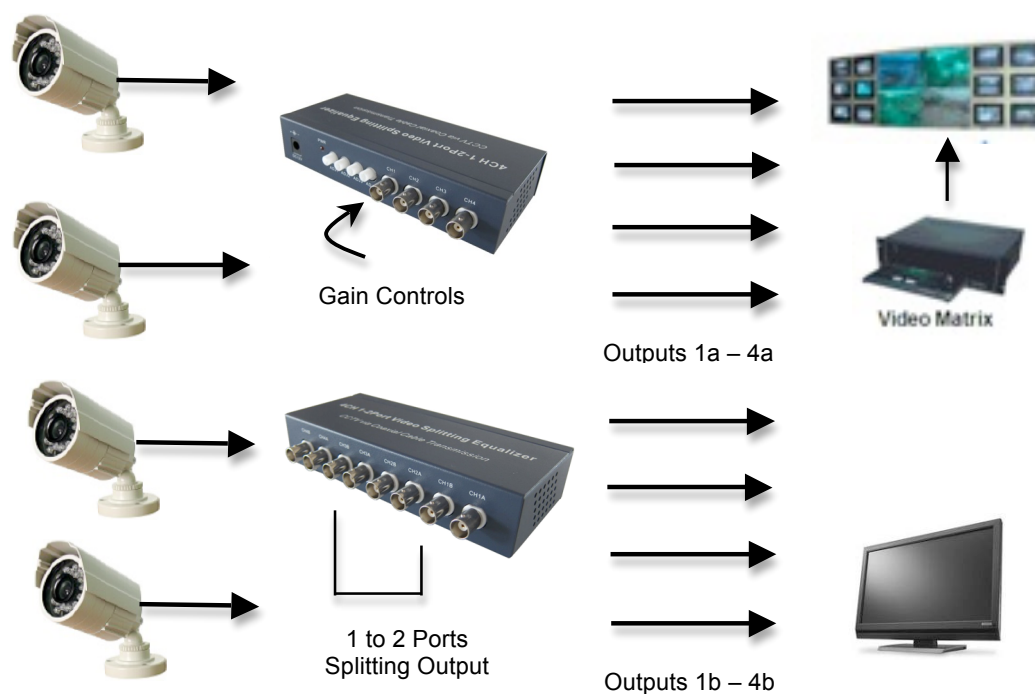
- The installer must comply with electrical safety standards.
- Do not install the unit in an environment where the temperature is above 114° F.
- A minimum 12VDC 500mA power supply must be used. AC power cannot be applied. Using an AC or other incorrect power supply will damage the unit.
- Only qualified installers are allowed to install, test and disassemble the unit.
- The unit is a low voltage product. If installed outdoors proper weatherproofing, safety and lightning grounding are required.

4. PRODUCT IMAGES



5. WIRING CONNECTIONS

- Using a high quality 75 Ω coaxial cable with male BNC connectors connect a CCTV camera to the ST-VDABNC-4X2's input BNC port.
- Using high quality 75 Ω coaxial cable with male BNC connectors connect a ST-VDABNC-4X2 output BNC port to a monitor, DVR or other display device. Be certain to make the proper input and output connections according to your equipment configuration.
- Connect the included 12VDC 500mA power supply to the ST-VDABNC-4X2's power port.
- Plug the power supply into an appropriately rated AC outlet.
- Turn the Video Adjust potentiometer assigned to the specific input/output ports for the correct image brightness and sharpness.



Troubleshooting assistance can be found on-line at www.securitytronix.com in addition to support from SecurityTronix sales engineers at 1-610-429-1511.