

# USER MANUAL

## SVG4

PTN VGA Distribution Amplifier 1x4



Version: SVG42013V1.1

**NOTICE:** Please read this user manual carefully before using this product.

This manual is for operation instruction only, not for any maintenance usage. The functions described in this version are updated till May 2013. Any changes of functions and parameters since then will be informed separately. Please refer to the dealers for the latest details.

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**All product function is valid till 2013-05-28.**

### Update History

Version	Date	Update Content
1.0	2010.01.01	First version.
1.1	2013.05.28	Modified the system diagram.

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## 1. Introduction

### 1.1. Introduction to SVG4

PTN SVG4 is a high quality VGA signal distribution amplifier with 1 input and 4 outputs. Supporting the HD resolution, up to **3200x2400@60 (-3dB), 1 GHz (-3dB)** full loading.

It has a good application in various occasions, such as meeting room, television education, room controlling, monitoring center, government agency, exhibition hall and other fields.

### 1.2. Package Contents

- 1 x SVG4
- 2 x Mounting Ears (separated from SVG4)
- 4 x Screws
- 1 x Power adapter (DC12V)
- 1 x User Manual

**Notes:** Please confirm if the product and the accessories are all included, if not, please contact with the dealers.

## 2. Features

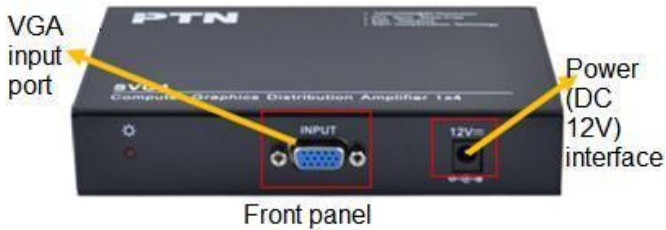
- Super bandwidth at 1GHz
- Support resolution up to 3200\*2400@60MHz.
- Ultra-switching for instaneous display.
- Built-in gain compensation and sync signal proofread technology.

## 3. Specification

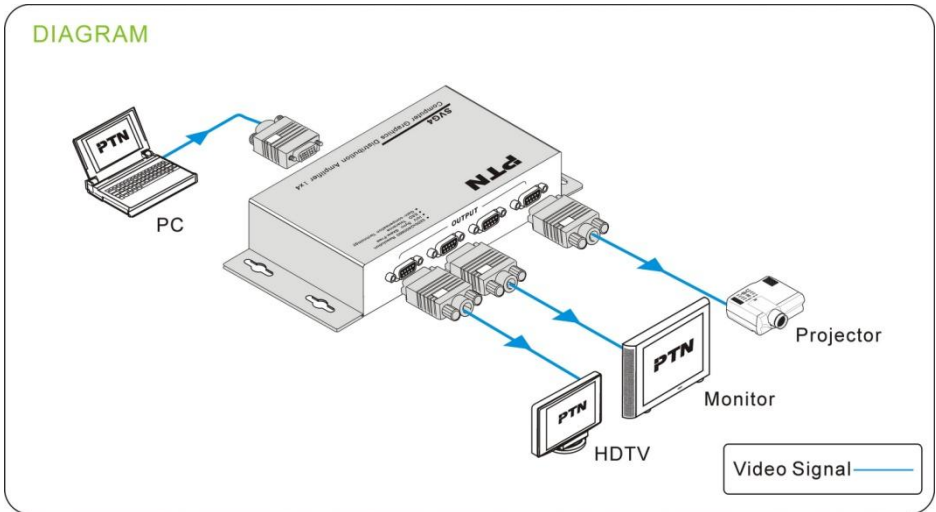
Video Input		Video Output	
Input	1 VGA	Output	4 VGA
Input Connector	Female 15 pin HD	Output Connector	Female 15 pin HD
Input Level	0.5 ~ 2.0Vp-p	Output Level	0.5 ~ 2.0Vp-p
Input Impedence	75Ω	Output Impedence	75Ω
Video General			
Return Loss	-30dB@5MHz	DC Compensation	+5Mv-0
Max DC Compensation	1.5V	Crosstalk	-50dB@5MHz

Bandwidth	1GHz (-3dB) full loading 3200 x 2400@60 (-3dB) 0~10MHz is +0.1dB to -0.1dB 0~130MHz is +6dB to -0.8dB		
<b>General</b>			
Power Supply	DC 12V	Power Consumption	5 W
Temperature	-20 ~ +70°C	Humidity	10% ~ 90%
Case Dimension	W160 x H44 x D100 mm	Product Weight	0.4Kg

### 4. Interfaces Connection Introduction



## 5. System Diagram



## 6. Troubleshooting & Maintenance

- 1) When images of terminal unit output with ghost, such as the projector output with ghost. Generally this is not a unit faulty, this may be caused by an incorrect setting on the projector or a bad quality of cable. Please check the projector's setting or try another high quality connection cable.
- 2) When there is a color losing or no video signal output, please check the input and output end connections of the cables.
- 3) When there is no output images:
  - Check if there is any signal at the input.
  - Check if there is any signal at the output.

We can check these by using an oscilloscope or a multimeter. If there is no signal input/output, maybe the input/output cables broken or the connectors loosen, please change for another cable.

- If not the problem mentioned above, probably there is something broken inside the unit, please send it to the dealer for repairing.
- 4) If the **POWER** indicator doesn't work or no respond to any operation, please make sure the power cord connection is good.

## 7. Safety Operation Guide

In order to guarantee the reliable operation of the equipments and safety of the staff, please abide by the following proceeding in installation, using and maintenance:

- 1) The system must be earthed properly. Please do not use two blades plugs and ensure the alternating power supply ranged from 100v to 240v and from 50Hz to 60Hz.
- 2) Do not put the switcher in a place of too hot or too cold.
- 3) As the power generating heat when running, the working environment should be maintained fine ventilation, in case of damage caused by overheat.
- 4) Cut off the general power switch in humid weather or left unused for long time.
- 5) Before following operation, ensure that the alternating current wire is pull out of the power supply:
  - Take off or reship any components of the equipment.
  - Take off or rejoin any pin or other link of the equipment.
- 6) As to non-professional or without permission, please DO NOT try to open the casing of the equipment, DO NOT repair it on your own, in case of accident or increasing the damage of the equipment.
- 7) DO NOT splash any chemistry substance or liquid in the equipment or around.

## 8. After-sales Service

- 1) If there appear some problems when running SVG4, please check and deal with the problems reference to this user manual. Any transport costs are borne by the users during the warranty.
- 2) You can email to our after-sales department or make a call, please tell us the following information about your cases.
  - Product version and name.
  - Detailed failure situations.
  - The formation of the cases.
- 3) We offer products for all three-year warranty, which starts from the first day you buy this product (The purchase invoice shall prevail).
- 4) Any problem is same with one of the following cases listed, we will not offer warranty service but offer for charge.
  - Beyond the warranty.
  - Damage due to incorrectly usage, keeping or repairing.
  - Damage due to device assembly operations by the maintenance company non-assigned.
  - No certificate or invoice as the proof of warranty.
  - The product model showed on the warranty card does not match with the model of the product for repairing or had been altered.
  - Damage caused by force majeure.

**Remarks:** For any questions or problems, please try to get help from your local distributor, or email PTN at: [support@PTN-electronics.com](mailto:support@PTN-electronics.com).