INSTRUCTION MANUAL

SB-3800

PC (VGA) to S-Video or Composite Video Converter



SHINYBOW™USA

MULTIMEDIA AUDIO AND VISUAL

SAFETY INFORMATION

1. To ensure the best results from this product, please read this manual and all other documentation before operating your equipment. Retain all documentation for future reference.
2. Follow all instructions printed on unit chassis for proper operation.
3. To reduce the risk of fire, do not spill water or other liquids into or on the unit, or operate the unit while standing in liquid.
4. Make sure power outlets conform to the power requirements listed on the back of the unit. Keep unit protected from rain, water and excessive moisture.
5. Do not attempt to clean the unit with chemical solvents or aerosol cleaners, as this may damage the unit. Dust with a clean dry cloth.
6. Do not use the unit if the electrical power cord is frayed or broken. The power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords and plugs, convenience receptacles, and the point where they exit from the appliance.
7. Do not force switched or external connections in any way. They should all connect easily, without needing to be forced.
8. Always operate the unit with the AC ground wire connected to the electrical system ground. Precautions should be taken so that the means of grounding of a piece of equipment is not defeated.
9. AC voltage must be correct and the same as that printed on the rear of the unit. Damage caused by connection to improper AC voltage is not covered by any warranty.
10. Turn power off and disconnect unit from AC current before making connections.
11. Never hold a power switch in the “ON” position.
12. This unit should be installed in a cool dry place, away from sources of excessive heat, vibration, dust, moisture and cold. Do not use the unit near stoves, heat registers, radiators, or other heat producing devices.
13. Do not block fan intake or exhaust ports. Do not operate equipment on a surface or in an environment which may impede the normal flow of air around the unit, such as a bed, rug, carpet, or completely enclosed rack. If the unit is used in an extremely dusty or smoky environment, the unit should be periodically “blown free” of foreign dust and matter.
14. To reduce the risk of electric shock, do not remove the cover. There are no user serviceable parts inside. Refer all servicing to qualified service personnel. There are no user serviceable parts inside.
15. When moving the unit, disconnect input ports first, then remove the power cable; finally, disconnect the interconnecting cables to other devices.
16. Do not drive the inputs with a signal level greater than that required to drive equipment to full output.
17. The equipment power cord should be unplugged from the outlet when left unused for a long period of time.
18. Save the carton and packing material even if the equipment has arrived in good condition. Should you ever need to ship the unit, use only the original factory packing.
19. Service Information Equipment should be serviced by qualifier service personnel when:
    A. The power supply cord or the plug has been damaged.
    B. Objects have fallen, or liquid has been spilled into the equipment.
    C. The equipment has been exposed to rain
    D. The equipment does not appear to operate normally, or exhibits a marked change in performance
    E. The equipment has been dropped, or the enclosure damaged.

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Composite Video Converter Series

Thank you for purchasing the SB-3800 PC to S-Video Composite Video Converter. You will find this unit easy to install and highly reliable but it is essential that you read this manual thoroughly before attempting to use this converter.

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INTRODUCTION

Congratulations on your purchase of the SB-3800. The SB-3800 is a professional VGA to Video/S-Video Converter designed to work on all standard video signal types (PAL, NTSC or SECAM). You can even watch a video from your PC on your TV. It also offers display control features like zoom, pan, underscan, etc. It even has VGA looping input/output and both Composite video and S-Video outputs. Audio connects directly from your source device to your destination device. For example, PC audio out to TV audio in.

PACKAGE CONTENTS

Check that you have the following components;

- SB-3800 Converter
- Users Guide
- AC/DC Adapter: 12VDC@500mA
  AC/DC Adaptor Types: CE/UL/SAA/BS

SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply. Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

DISCLAIMERS

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FEATURES & SPECIFICATIONS

FEATURES

- Support VGA To VGA / Video / S-Video Converter
- Support High VGA resolution Inputs
- Support Multi-TV Video or S-Viedo Standard System Outputs
- VGA Down To Composite or S-Video TV NTSC/PAL System
- Direct TV Video Standard System selections

SPECIFICATIONS

- **Input:**
  - **Input Video System:** VGA
  - **VGA Input:** +0.7Vpp, 75%, VGA (DB-15)
- **Output:**
  - **Output Video System:** NTSC/PAL/PAL-M/PAL-N
  - **Color Subcarrier Frequency:** NTSC3.579545 MHz/PAL4.433619 MHz PAL-M 3.575611 MHz/PAL-N 3.582056 MHz
- **Supported Output Resolutions:** 640x480, 800x600, 1024x768, 1280x768, Max: 2048x1536
- **Video Output:** + 1Vpp, 75%
- **S-Video Output:** Y=1Vpp, C=0.3Vpp, 75%
- **VGA Output:** +0.7Vpp%
- **VGA Horizontal Frequency:** 31.50Khz
- **PAL/NTSC Line Conversion:** NTSC 525/PAL 625 Lines
- **PAL/NTSC Field Conversion:** NTSC 60Hz/PAL-M 60Hz/PAL 50Hz
- **Terminals Output:** 1x Video (composite), 1xS-Video (mini-4p),1x VGA (DB-15p)
- **Resolution Horizontal/Vertical:** 640x480, Maximum 1024x768
- **Field Memory:** 2MB (16bit)
- **Dimensions (LxWxH):** 1.5 x 7.7 x 4.8 in (43x200x120 mm)
- **Power Source:** DC 12V@0.42A

As product improvements are continuous, specifications are subject to change and without notice.

FRONT AND BACK PANEL

FRONT PANEL



1.Power: press the button to turn ON/OFF. The LED will illuminate when the power is turned on.

2.Output Selection Buttons: Press each of buttons (NTSC-M3.58,J/,PAL-B,D,I,G,H,K,), to select the desired output source.

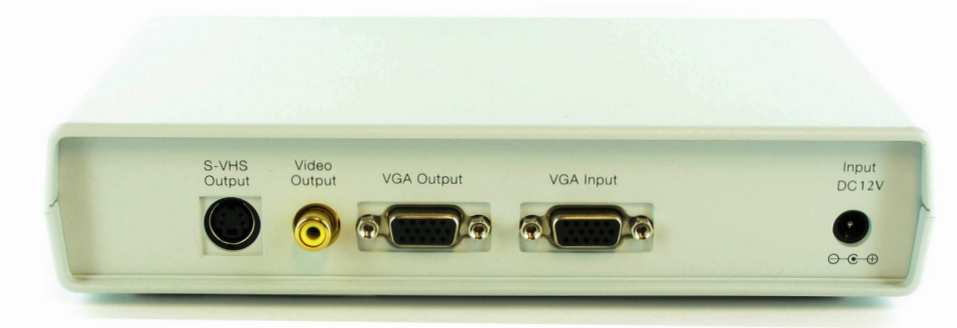
3.Switch the converter on by depressing the on-off button on the front panel. The defaults to PC input converter and NTSC output.

4.Pressing the buttons to select the correct TV system.

5.If you have a VGA monitor connected, this will work automatically.

6.Start your video source playing, plus, if required, connect on your PC and you should now be able to view the picture on the TV and VGA simultaneously.

BACK PANEL



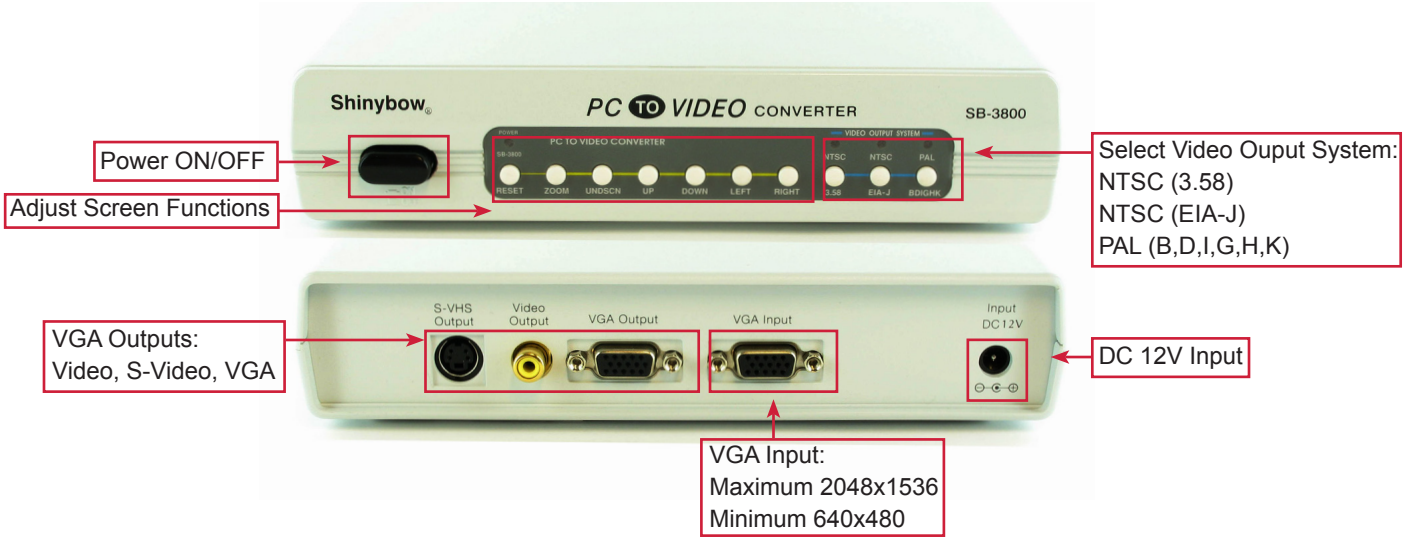
1.Support Video and SV output solutions: NTSC, NTSC-EIA-J, PAL(B,D,I,G,H,K) PAL-M, PAL-N, PAL-N(COMB-N)

2.Supported PC output solutions will by pass automatically.

3.Power: Plug the 12VDC power supply into the unit and connect the adaptor to AC wall outlet.

TYPICAL HOOKUP AND OPERATION

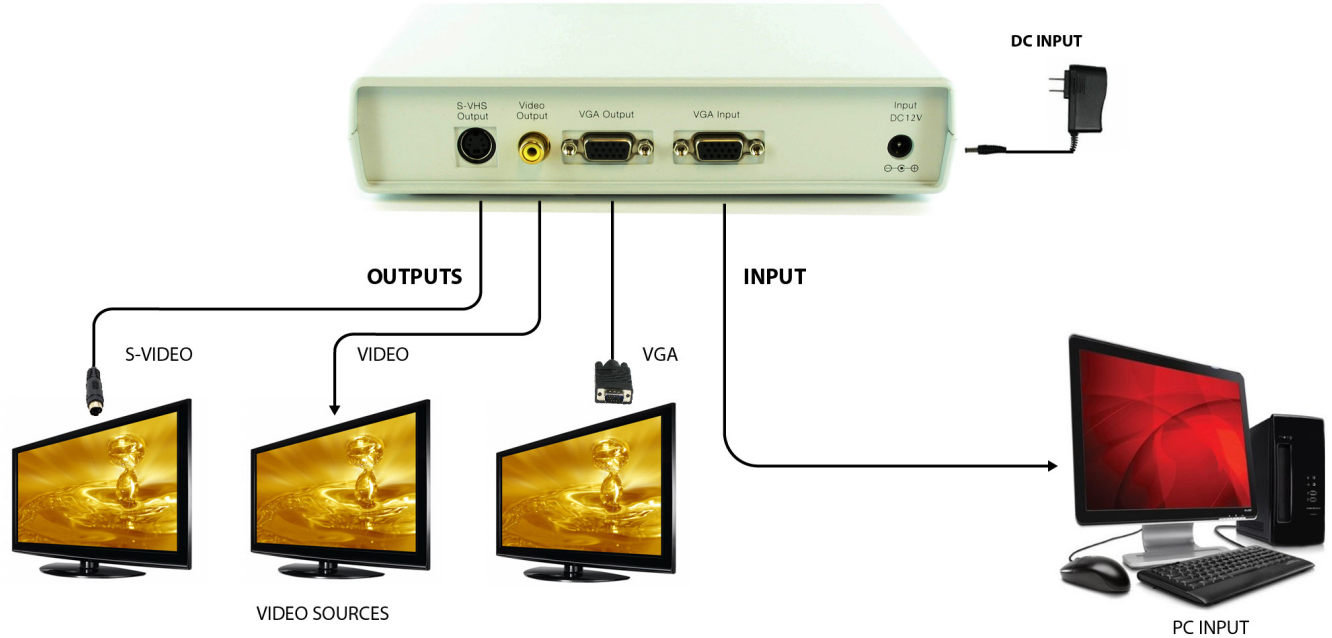
SB-3800



Safeguards and Precautions

A. Keep this unit away from fire, extremely hot areas, water or moisture of any kind.
B. Do not place this unit on any support that is not firm, level and strong.
C. Do not service the unit yourself. Opening the unit's housing will void the warranty.
D. Servicing must be by Shinybow or by an authorized technician.
C. Illegal duplication of copyrighted material is strictly prohibited by Federal Laws.

PC TO S-VIDEO COMPOSITE VIDEO CONVERTER



LIMITED WARRANTY

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